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PROJECT NAME: STERLING HALL SCHOOL – PHASE 1 MASTER PLAN ADDITION

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COMPANY: CS&P ARCHITECTS

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ATTENTION: CHELSEA ALEXANDER

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PROJECT No.: 00036-010-E-001

DATE: 2026-07-22

ADDENDUM No.: E01

ISSUED BY: EDMUND HO

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The following amendments are hereby made as part of the Contract Documents. The following revisions and/or additions shall be made to contract documents and the cost shall be included in the Tender Price.

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### 1.0 SCHEDULES

#### 1.1 Refer to Loose Starter Schedule, Luminaires Schedule and Panel Schedule (included herein)

1.1.1 Add loose starter schedule to contract documents.

1.1.2 Revise luminaires schedule.

1.1.3 Revise panel schedule.

### 2.0 DRAWINGS

**2.1 Refer to E-001 - COVER & DRAWING LIST – ELECTRICAL, E-002 - ELECTRICAL LEGEND, E-003 - ELECTRICAL STANDARD DETAILS, E-004 - ELECTRICAL STANDARD DETAILS, E-101 - SITE PLAN – ELECTRICAL, E-200 - SINGLE LINE DIAGRAM, E-201 - FIRE ALARM AND SECURITY AND COMMS RISER DIAGRAMS, E-400 - LOWER LEVEL - POWER AND COMMUNICATIONS, E-401 - GROUND FLOOR- POWER AND COMMUNICATIONS, E-401.5 - GROUND FLOOR UPPER- POWER AND COMMUNICATIONS, E-401A - OVERALL GROUND FLOOR- CONDUIT ROUTING, E-402 - SECOND FLOOR - POWER AND COMMUNICATIONS, E-403 - LEVEL ROOF - POWER AND COMMUNICATIONS, E-500 - LOWER LEVEL – LIGHTING, E-501 - GROUND FLOOR – LIGHTING, E-501.5 - UPPER GROUND FLOOR – LIGHTING, E-502 - SECOND LEVEL – LIGHTING, E-601 - GROUND FLOOR – SECURITY, E-601.5 - UPPER GROUND FLOOR- SECURITY, E-602 - SECOND FLOOR- SECURITY, E-700 - LOWER LEVEL - FIRE ALARM, E-701 - GROUND FLOOR - FIRE ALARM, E-701.5 - UPPER GROUND FLOOR-FIRE ALARM, E-702 - SECOND FLOOR- FIRE ALARM, E-801 - GROUND FLOOR - DEMO PLAN, E-900 - PART PLANS – ELECTRICAL, E-901 - PART PLANS – COMMUNICATIONS, E-902 - PART PLANS - STAIR LIGHTING, E-903 - PART PLANS - GROUND LEVEL CORRIDOR, ED-101 - SITE DEMOLITION PLAN - ELECTRICAL (included herein)**

2.1.1 E-001: Revise drawing list.

2.1.2 E-002: Revise abbreviations and lighting legend.

2.1.3 E-003: Revise lighting standard base detail.

2.1.4 E-004: Add grounding riser detail.



- 2.1.5 E-101: Add lighting and power circuits. Add lighting and communication devices. Relocate power and lighting fixtures. Marcellous clarifications.
- 2.1.6 E-200: Revise electrical distribution equipment and feeders.
- 2.1.7 E-201: Add fire alarm DGP and revise fire alarm riser. Security riser clarifications.
- 2.1.8 E-400: Revise power and communication layouts. Add electrical and data outlets and circuits.
- 2.1.9 E-401: Revise power and communication layouts. Add electrical and data outlets and circuits.
- 2.1.10 E-401.5: Revise power and communication layouts. Add electrical and data outlets and circuits.
- 2.1.11 E-401A: Clarifications regarding electrical services connecting addition and existing building.
- 2.1.12 E-402: Revise power and communication layouts. Add electrical and data outlets and circuits.
- 2.1.13 E-403: Revise power layouts. Add electrical circuits and outline of future solar panel.
- 2.1.14 E-500: Revise lighting layout, emergency lighting and exit signs. Add circuits.
- 2.1.15 E-501: Revise lighting layout, emergency lighting and exit signs. Add circuits.
- 2.1.16 E-501.5: Revise lighting layout, emergency lighting and exit signs. Add circuits.
- 2.1.17 E-502: Revise lighting layout, emergency lighting and exit signs. Add circuits.
- 2.1.18 E-601: Relocate security devices.
- 2.1.19 E-601.5: Relocate security devices.
- 2.1.20 E-602: Relocate security devices.
- 2.1.21 E-700: Revise fire alarm device layout. Add fire alarm control modules.
- 2.1.22 E-701: Revise fire alarm device layout.
- 2.1.23 E-701.5: Revise fire alarm device layout.
- 2.1.24 E-702: Revise fire alarm device layout.
- 2.1.25 E-801: Clarify demolition scope.
- 2.1.26 E-900: Add new detail. Add electrical and data outlet. Add circuits. Revise electrical room layouts.
- 2.1.27 E-901: Add circuits. Revise electrical room layouts.
- 2.1.28 E-902: Add lighting circuits.
- 2.1.29 E-903: Add circuits. Revise lighting layouts. Add ADO push buttons.
- 2.1.30 ED-101: Clarify demolition scope.



### **3.0 CLARIFICATION**

- 3.1.1 Power, lighting, mechanical equipment, security and fire alarm coordination and provided to form the basis of the contract documents.

END OF ELECTRICAL ADDENDUM

00036.010.E.001 ADD E01.docx

| LOOSE STARTERS SCHEDULE                                             |           |                        |             |          |                              |              |        |     |            |      |      |            |       |            |       |       | Smith + Andersen                                      |                 |           |             |                        |      |                 |            |
|---------------------------------------------------------------------|-----------|------------------------|-------------|----------|------------------------------|--------------|--------|-----|------------|------|------|------------|-------|------------|-------|-------|-------------------------------------------------------|-----------------|-----------|-------------|------------------------|------|-----------------|------------|
| PROJECT NAME: THE STERLING HALL SCHOOL<br>PROJECT #:00036.010.E.001 |           |                        |             |          |                              |              |        |     |            |      |      |            |       |            |       |       | 4211 Yonge St., Suite 500<br>Toronto, Ontario M2P 2A9 |                 |           |             |                        |      |                 |            |
| ITEM#                                                               | Motor ID  | Description (Location) | Voltage (Φ) | Motor HP | Motor Full-load Current* (A) | Starter Type | Inputs |     |            |      |      |            |       | Indicators |       |       |                                                       |                 | NEMA Size | FEEDER      | OVERCURRENT PROTECTION |      | NEMA Encl. Type | See Note # |
|                                                                     |           |                        |             |          |                              |              | BAS    | HOA | Start/stop | FASU | FASD | Thermostat | Other | Red        | Green | Amber | Other                                                 | Ext. Interlocks |           | # Of Cables | Size                   | Type |                 |            |
| 1                                                                   | EF-1      | Janitor (211)          | 120 (1Φ)    | 0.25     | 5.8                          | FVNR         | X      |     |            |      |      | X          |       |            |       |       |                                                       |                 | 1         | 2           | 15                     | CB   | 2               |            |
| 2                                                                   | EF-2      | Roof                   | 120 (1Φ)    | 0.50     | 9.8                          | FVNR         | X      |     |            |      |      | X          |       |            |       |       |                                                       |                 | 1         | 2           | 20                     | CB   | 3R              |            |
| 2                                                                   | P-HTG-1/2 | Ex. Mechanical (110)   | 600 (3Φ)    | 2.00     | 2.7                          | VFD          | X      |     |            |      |      |            |       |            |       |       |                                                       |                 | 0         | 3           | 15                     | CB   | 2               |            |
| 2                                                                   | P-HTG-3/4 | Mechanical (005)       | 600 (3Φ)    | 1.50     | 2.1                          | VFD          | X      |     |            |      |      |            |       |            |       |       |                                                       |                 | 0         | 3           | 15                     | CB   | 2               |            |

| ABREVIATIONS |                                     | GENERAL NOTES                                                                       |  |
|--------------|-------------------------------------|-------------------------------------------------------------------------------------|--|
| FVNR         | FULL VOLTAGE NON- REVERSING         | A) NEMA TYPE 2 CLOSURE TO BE SPRINKLER PROOF                                        |  |
| FVR          | FULL VOLTAGE REVERSING              | B) ALL LOADS TO COME COMPLETE WITH INTEGRAL DISCONNECT.                             |  |
| RVNR         | REDUCED VOLTAGE, NON-REVERSING      | C) ALL VFD LOADS ARE TO COME WITH DISCONNECTING MEANS SUPPLIED BY VFD MANUFACTURER. |  |
| RVR          | REDUCED VOLTAGE , REVERSING         | D) VFD UNITS TO BE SUPPLIED AND EXTERNALLY INSTALLED BY MECHANICAL CONTRACTOR.      |  |
| VFD          | VARIABLE FREQUENCY DRIVE            |                                                                                     |  |
| MAN          | MANUAL STARTER                      |                                                                                     |  |
| DS           | DISCONNECT SWITCH & PROTECTION ONLY |                                                                                     |  |
| BAS          | BUILDING AUTOMATION SYS.            |                                                                                     |  |
| HOA          | HAND-OFF-AUTO                       |                                                                                     |  |
| FASD         | FIRE ALARM SHUT DOWN RELAY          |                                                                                     |  |
| FASU         | FIRE ALARM START UP RELAY           |                                                                                     |  |
| Encl.        | ENCLOSURE                           | 1) All FVNR starters to be connected with BAS control and on HOA.                   |  |



| LUMINAIRE SCHEDULE                      |       |                                |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | File Name:           | Attachment A - Luminaires Schedule_R01 | Smith + Andersen                         |                                                                    |  |
|-----------------------------------------|-------|--------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------|------------------------------------------|--------------------------------------------------------------------|--|
| Project Name: Sterling Hall Addition    |       |                                |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                                        |                                          |                                                                    |  |
| Project number: 00036.010.001           |       |                                |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                                        |                                          |                                                                    |  |
| TYPE                                    | VOLT. | LAMP(S)                        | DIMENSIONS                                                            | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DRIVERS/POWER SUPPLY | MANUFACTURER/CATALOGUE NUMBER          | MINIMUM PERFORMANCE REQUIRED (DELIVERED) | LOCATED                                                            |  |
| LED: AMBIENT / GENERAL PURPOSE LIGHTING |       |                                |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                                        |                                          |                                                                    |  |
| L1A                                     | 120 V | 4.8 W/ft. LED (3500 K) 80 CRI  | 5" W x 4.625" H<br>See length on electrical drawings                  | <b>Recessed T-Bar Straight and Narrow LED fixture.</b> Extruded aluminum body. High transmission diffuser. Matte finish using electrostatically applied polyester powder coat paint. T-Bar mounting brackets/clips. LED modules are driven using universal voltage switch mode LED drivers. Certified to UL and CUL standards.                                                                                                                                       | 0-10V Dimming        | • Neo-Ray: Define 4                    | 575 lumens/ft                            | T-bar Ceilings: Classrooms, Corridors and offices                  |  |
| L1B                                     | 120 V | 6.8 W/ft. LED (3500 K) 80 CRI  | 5" W x 4.625" H<br>See length on electrical drawings                  | <b>Recessed T-Bar Straight and Narrow LED fixture.</b> Extruded aluminum body. High transmission diffuser. Matte finish using electrostatically applied polyester powder coat paint. T-Bar mounting brackets/clips. LED modules are driven using universal voltage switch mode LED drivers. Certified to UL and CUL standards.                                                                                                                                       | 0-10V Dimming        | • Neo-Ray: Define 4                    | 795 lumens/ft                            | T-bar Ceilings: Classrooms, Corridors and offices                  |  |
| L1C                                     | 120 V | 10.6 W/ft. LED (3500 K) 80 CRI | 5" W x 4.625" H<br>See length on electrical drawings                  | <b>Recessed T-Bar Straight and Narrow LED fixture.</b> Extruded aluminum body. High transmission diffuser. Matte finish using electrostatically applied polyester powder coat paint. T-Bar mounting brackets/clips. LED modules are driven using universal voltage switch mode LED drivers. Certified to UL and CUL standards.                                                                                                                                       | 0-10V Dimming        | • Neo-Ray: Define 4                    | 1195 lumens/ft                           | T-bar Ceilings: Classrooms, Corridors and offices                  |  |
| L2                                      | 120 V | 10.6 W/ft. LED (3000 K) 80 CRI | 4.25" W x 4.625" H<br>See length on electrical drawings               | <b>Recessed on Drywall Ceiling Straight and Narrow LED fixture.</b> Continuous row. Extruded aluminum housing. High transmission diffuser. <b>Flush optic diffuser.</b> Matte finish using electrostatically applied polyester powder coat paint. LED modules are driven using universal voltage switch mode LED drivers. Certified to UL and CUL standards. Contractor to install asymmetric optics towards the floor.                                              | 0-10V Dimming        | • Neo-Ray: Define 4                    | 1195 lumens/ft                           | Drywall ceiling: Corridors                                         |  |
| L3A                                     | 120 V | 13.7 W LED (3500 K) 80 CRI     | 4-5/16" dia. aperture, 5-7/16" trim, 6-5/8" depth                     | <b>Recessed round 4" LED Open Down light.</b> Self-flanged, semi specular, spun 0.050" thick aluminum lower reflector. <b>Medium wide light distribution.</b> Universal mounting bracket, adjusts 5" vertically from above and below ceiling. Specular Clear finish. Light engine and driver accessible through aperture. Fully serviceable and upgradeable lensed LED light engine. CSA certified to meet US and Canadian standards; wet location, covered ceiling. | 0-10V Dimming        | • Gotham: EVO 4                        | 1527 lumens                              | Drywall ceiling: Washrooms, Classrooms                             |  |
| L3B                                     | 120 V | 25.7 W LED (3500 K) 80 CRI     | 4-5/16" dia. aperture, 5-7/16" trim, 6-5/8" depth                     | <b>Recessed round 4" LED Open Down light.</b> Self-flanged, semi specular, spun 0.050" thick aluminum lower reflector. <b>Medium wide light distribution.</b> Universal mounting bracket, adjusts 5" vertically from above and below ceiling. Specular Clear finish. Light engine and driver accessible through aperture. Fully serviceable and upgradeable lensed LED light engine. CSA certified to meet US and Canadian standards; wet location, covered ceiling. | 0-10V Dimming        | • Gotham: EVO 4                        | 2580 lumens                              | Drywall ceiling: Washrooms, Classrooms                             |  |
| L3C                                     | 120 V | 31.2 W LED (3500 K) 80 CRI     | 4-5/16" dia. aperture, 5-7/16" trim, 6-5/8" depth                     | <b>Recessed round 4" LED Open Down light.</b> Self-flanged, semi specular, spun 0.050" thick aluminum lower reflector. <b>Medium wide light distribution.</b> Universal mounting bracket, adjusts 5" vertically from above and below ceiling. Specular Clear finish. Light engine and driver accessible through aperture. Fully serviceable and upgradeable lensed LED light engine. CSA certified to meet US and Canadian standards; wet location, covered ceiling. | 0-10V Dimming        | • Gotham: EVO 4                        | 3110 lumens                              | Drywal ceiling: Washrooms, Classrooms, Meeting room                |  |
| L3D                                     | 120 V | 38.4 W LED (3500 K) 80CRI      | 4-5/16" dia. aperture, 5-7/16" trim, 6-5/8" depth                     | <b>Recessed round 4" LED Open Down light.</b> Self-flanged, semi specular, spun 0.050" thick aluminum lower reflector. <b>Medium wide light distribution.</b> Universal mounting bracket, adjusts 5" vertically from above and below ceiling. Specular Clear finish. Light engine and driver accessible through aperture. Fully serviceable and upgradeable lensed LED light engine. CSA certified to meet US and Canadian standards; wet location, covered ceiling. | 0-10V Dimming        | • Gotham: EVO 4                        | 3612 lumens                              | Drywall ceiling: Washrooms, Classrooms                             |  |
| L4A                                     | 120 V | 6.7 W/ft. LED (3500 K) 80 CRI  | 2" W x 4.13" H<br>See length on electrical and architectural drawings | <b>Pendant Direct Narrow Linear LED fixture.</b> Extruded aluminum housing. High transmission diffuser. Matte finish using electrostatically applied polyester powder coat paint. LED modules are driven using universal voltage switch mode LED drivers. Certified to UL and CUL standards.                                                                                                                                                                         | 0-10V Dimming        | • Neo-Ray: Define 2                    | 675 lumens/ft                            | Wooden Slat: c100 Corridor                                         |  |
| L4B                                     | 120 V | 10.6 W/ft. LED (3500 K) 80 CRI | 2" W x 4.13" H<br>See length on electrical and architectural drawings | <b>Pendant Direct Narrow Linear LED fixture.</b> Extruded aluminum housing. High transmission diffuser. Matte finish using electrostatically applied polyester powder coat paint. LED modules are driven using universal voltage switch mode LED drivers. Certified to UL and CUL standards.                                                                                                                                                                         | 0-10V Dimming        | • Neo-Ray: Define 2                    | 1005 lumens/ft                           | Exposed and drywall ceiling: Classrooms, corridors, breakout rooms |  |

| LUMINAIRE SCHEDULE                                                    |          |                                                                                                                |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                                                                            |                                                   |                                |
|-----------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
| Project Name: Sterling Hall Addition<br>Project number: 00036.010.001 |          |                                                                                                                |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | File Name:           | Attachment A - Luminaires Schedule_R01                                     |                                                   | Smith + Andersen               |
| TYPE                                                                  | VOLT.    | LAMP(S)                                                                                                        | DIMENSIONS                                                                         | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DRIVERS/POWER SUPPLY | MANUFACTURER/CATALOGUE NUMBER                                              | MINIMUM PERFORMANCE REQUIRED (DELIVERED)          | LOCATED                        |
| L5                                                                    | 120 V    | 41W LED (3500K)<br>80 CRI                                                                                      | 2.2" W x 48" L x 3" H                                                              | <b>Pendant and wall mounted Linear LED luminaire.</b> Die formed cold rolled steel channel with numerous KCs for ease of installation. Channel / wireway secured with sheet metal screw. White reflector. Multistage phosphate pre-treatment for maximum bonding and rust inhibitor. <b>Wide Lens</b> optical distribution. Long-life LED system with electronic driver.<br><br>White finish. Architect to confirm finishes prior to ordering<br><br>Provide mounting rods/chains to suspend luminaire at 3000mm AFF. Provide wire guards.                                                                                                                                                                                                                                                                          | Non-dimmable ON/OFF  | • Cooper Lighting: Metalux SNX LW Lens<br>• Lithonia Lighting: ZL1D series | 5000 lumens                                       | Service rooms & Elevator shaft |
| L6                                                                    | 120 V    | LED<br>8.1W/ft<br>3500K<br>90 CRI                                                                              | W: 5.85"<br>H: 8.17"<br>L: See length on the electrical and architectural drawings | <b>5.8" Linear integrated light fixture.</b> Aluminum extruded and cold rolled steel housing, with aluminum trim flange, matte white and powder coated. Rated for both indoor dry and damp locations. Certified to CSA 22.2 NO 250.0. Trim fixture for architectural ceilings. Optimal performance and glare control provided by extruded, satin acrylic lens. Drivers are integral with the light fixture. Fixture components:<br>3.3" round adjustable downlight, 3000lm output, 40D reflectors, black beveled insert, softening lens, seven 3.5" width x 4' long linear, 1000lm per foot, flush lens, flangeless, matte black powder coated housing interior, 3 circuit operation, Provide suspension cable and accessories. Fixture to be recessed in ceiling. Architect to confirm finishes prior to ordering. | 0-10V Dimming        | 3G: 3Gi linear integrated series                                           | 100 lumens/ft                                     | Heart Space                    |
| L7                                                                    | 120 V    | LED<br>17 W<br>3000 K<br>90 CRI                                                                                | W: 100 mm (4")<br>H: 300 mm (11-3/4")<br>Depth: 130 mm (5-1/8")                    | <b>Recessed Step Lights With Trim.</b> Die cast aluminum body with pure anodized aluminum reflector and 4mm thick acid etched tempered glass lens. Stainless steel screws and silicone gaskets. Back box mandatory for recessed installation - to be ordered separately. Powder coated finish. IP65 and IK06 Rated. cULus listed for wet locations. Architect to confirm finishes prior to ordering.                                                                                                                                                                                                                                                                                                                                                                                                                | 0-10V Dimming        | Sisternalux / Miniblinker (S6070W)                                         | 280 lumens                                        | Staircase C                    |
| L8                                                                    | 120 V    | 6 W/m LED 3500 K, CRI 85                                                                                       | 0.39" W x 0.8" H x<br>Refer to drawings for length                                 | <b>Flexible slim opal gloss encapsulated Surface mount LED Luminaire.</b> Self adhesive tape on rear side. Complete with all parts for a functional cove/accent lighting system. Power cord termination into a junction box. Provide remote drivers and connectors as required by manufacturer's recommendations for lengths of luminaires shown on drawing. Complete with remote transformer box (as required). IP67 Rated. <b>Must be supplied with an aluminum channel.</b>                                                                                                                                                                                                                                                                                                                                      | 0-10V Dimming        | LED Linear: Venus Top View                                                 | 255 lumens/m                                      | Cove Lights<br>Heart Space     |
| L9                                                                    | 220-240V | LED<br>90 CRI<br>3000K<br>100 lm / W<br>120 degree angle                                                       | W: 50 mm<br>D: 172 mm                                                              | <b>Surface Mounted SlimDownlight.</b> Possess a multi-colour feature with two colour temperatures. Energy saving. Long-lifespan: 100lm/W and 50 000h @L70. Driver Included. Can be mounted on normally flammable surfaces.<br><br><b>Must be surface mounted.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0-10V Dimming        | Signify / Coreline SlimDownlight                                           | 1100 lm                                           | Corridor C000                  |
| <b>D</b>                                                              |          |                                                                                                                |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                                                                            |                                                   |                                |
| LX1                                                                   | 120 V    | <b>Bird</b><br>8 x LED<br>53 W<br>4000 K<br>90 CRI<br><br><b>Globe</b><br>LED (E26)<br>8 W<br>4000 K<br>90 CRI | <b>Bird</b><br>H: 21.7"<br>W: 82.7"<br>L: 57.1"<br><br><b>Globe</b><br>Dia: 7.9"   | <b>Large Bird - Horizontal. Decorative Wood Pendant With Integral LED light and Frosted Glass Globe.</b> Fixture housing made of natural elm and birch wood. Fixture diffuser made of Natural White wood veneer. Nickel Metal Canopy (4.5" diameter) To be suspended from three steel cables with two transparent electrical cables. Fixtures to be mounted at varying heights. Final mounting heights to be determined by the architect and confirmed on site. Globe to be provided with E26 Medium bulb. <b>Suitable for dry locations / interior use only.</b>                                                                                                                                                                                                                                                   | 0-10V Dimming        | LZF / Bird Horizontal - Large                                              | <b>Bird:</b> 3 Lumens<br><b>Globe:</b> 800 lumens | Heart Space                    |
| LX2                                                                   | 120 V    | <b>Bird</b><br>8 x LED<br>53 W<br>4000 K<br>90 CRI<br><br><b>Globe</b><br>LED (E26)<br>8 W<br>4000 K<br>90 CRI | <b>Bird</b><br>H: 21.7"<br>W: 82.7"<br>L: 57.1"<br><br><b>Globe</b><br>Dia: 7.9"   | <b>Small Bird - Vertical. Decorative Wood Pendant With Integral LED light and Frosted Glass Globe.</b> Fixture housing made of natural elm and birch wood. Fixture diffuser made of Natural White wood veneer. Nickel Metal Canopy (4.5" diameter) To be suspended from three steel cables with two transparent electrical cables. Fixtures to be mounted at varying heights. Final mounting heights to be determined by the architect and confirmed on site. Globe to be provided with E26 Medium bulb. <b>Suitable for dry locations / interior use only.</b>                                                                                                                                                                                                                                                     | 0-10V Dimming        | LZF / Bird Vertical - Small                                                | <b>Bird:</b> 3 Lumens<br><b>Globe:</b> 800 lumens | Stair C                        |

| LUMINAIRE SCHEDULE                   |                                           |                                      |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                   | File Name: Attachment A - Luminaires Schedule_R01 |                                                                                                                                                                                                             | Smith + Andersen                         |                      |  |
|--------------------------------------|-------------------------------------------|--------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|--|
| Project Name: Sterling Hall Addition |                                           |                                      |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |                                                                                                                                                                                                             |                                          |                      |  |
| Project number: 00036.010.001        |                                           |                                      |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |                                                                                                                                                                                                             |                                          |                      |  |
| TYPE                                 | VOLT.                                     | LAMP(S)                              | DIMENSIONS                   | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                       | DRIVERS/POWER SUPPLY                              | MANUFACTURER/CATALOGUE NUMBER                                                                                                                                                                               | MINIMUM PERFORMANCE REQUIRED (DELIVERED) | LOCATED              |  |
| LX3                                  | 120 V                                     | LED (E26)<br>8 W<br>4000 K<br>90 CRI | Dia: 7.9"                    | <b>Opal Globe Pendant.</b> To be suspended from three steel cables with two transparent electrical cables. Fixtures to be mounted at varying heights. Final mounting heights to be determined by the architect and confirmed on site. Globe to be provided with E26 Medium bulb. <b>Suitable for dry locations / interior use only.</b>                                                                                                           | 0-10V Dimming                                     | LZF / Globe                                                                                                                                                                                                 | 800 lumens                               | Heart Space Stair C  |  |
| EXTERIOR LIGHTS                      |                                           |                                      |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |                                                                                                                                                                                                             |                                          |                      |  |
| LS-1                                 | 120/277 V                                 | 115W LED<br>(3000 K)<br>90 CRI       | W: 6"<br>H: 3.5"<br>L: 28"   | <b>Singlehead pole mount fixture</b><br>Clearsite lens, type 4 distribution. Dark sky approved.<br><br>Pole to be NON-tapered, galvanized steel, 6" square, 12 ft. tall, internally dampened to eliminate second mode vibrations, standard colour finish to match fixture head colour. Pole to be mounted on 1 ft. high concrete base above grade. . Pole is to be complete with factory installed dampeners for resonance vibration cancelation. | Dimmable 0-10V                                    | Lumenpulse Lumenblade pole mount BDLM                                                                                                                                                                       | 7210 lumens                              | Pole lights          |  |
| LS-1A                                | 120/277 V                                 | 115W LED<br>(3000 K)<br>90 CRI       | W: 6"<br>H: 3.5"<br>L: 28"   | <b>Doublehead pole mount fixture</b><br>Clearsite lens, type 4 distribution. Dark sky approved.<br><br>Pole to be NON-tapered, galvanized steel, 6" square, 12 ft. tall, internally dampened to eliminate second mode vibrations, standard colour finish to match fixture head colour. Pole to be mounted on 1 ft. high concrete base above grade. . Pole is to be complete with factory installed dampeners for resonance vibration cancelation. | Dimmable 0-10V                                    | Lumenpulse Lumenblade pole mount BDLM                                                                                                                                                                       | 7210 lumens/fixture                      | Pole lights          |  |
| LS-2                                 | 120 V                                     | 25W LED<br>(3000 K)<br>90 CRI        | W: 14.7"<br>H: 3"<br>L: 5.1" | <b>Wall mounted fixture:</b><br>Half frosted site lens. Type III distribution. Dark Sky approved.                                                                                                                                                                                                                                                                                                                                                 | Dimmable 0-10V                                    | Lumenpulse Lumenblade - BLDS W1H series                                                                                                                                                                     | 2000 lumens                              | Wall mounted fixture |  |
| LS-3                                 | 120 V                                     | 51W LED<br>(3000 K)<br>80 CRI        | W: 8"<br>H: 39"<br>L: 6"     | <b>Bollard Fixture:</b><br>Clearsite lens, single head. Type III distribution. Dark Sky approved.                                                                                                                                                                                                                                                                                                                                                 | Dimmable 0-10V                                    | Lumenpulse Lumenblade - BLDB W1H series                                                                                                                                                                     | 1000 lumens                              | Bollard- Site        |  |
| LS-4                                 | 120 V                                     | 15W LED<br>(3000 K)<br>80 CRI        | dia: 4.61"<br>H: 3.66'       | <b>4" Recessed Downlight</b><br>Symmetric medium beam. CSA listed for wet locations. Impact resistant.                                                                                                                                                                                                                                                                                                                                            | Dimmable 0-10V                                    | DOC110 LED New Construction series                                                                                                                                                                          | 1282.4 lumens                            | Outdoor Canopies     |  |
| EMERGENCY LIGHTING                   |                                           |                                      |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |                                                                                                                                                                                                             |                                          |                      |  |
| X1                                   | AC 120/<br>347 V<br><br>DC 6, 12,<br>24 V | LED                                  |                              | Architectural Edge-lit <b>Pictogram</b> Exit Sign, slim-profile extruded aluminum housing, high-output LED. Universal surface mounting - wall, ceiling, or end mount. Extruded acrylic panel with pictogram legend. Refer to drawings for mounting, number of faces and direction of arrows. <b>AC/Universal DC backup.</b>                                                                                                                       |                                                   | <ul style="list-style-type: none"><li>• Lumacell: LAE Series</li><li>• Emergi-Lite: EAE Series</li><li>• Beghelli: Ottica RM Series</li><li>• Aimlite: RPEL Series</li><li>• Stanpro: RMEA Series</li></ul> |                                          | See drawings         |  |
| X2                                   | AC 120/<br>347 V<br><br>DC 6, 12,<br>24 V | LED                                  |                              | Weatherproof surface mounted cast aluminum <b>pictogram</b> exit sign, high output LED, protected by high abuse clear polycarbonate c/w fully gasketed housing and tamper resistant screws. Wet location listed. Suitable for cold weather application. NEMA 4X rated. Refer to drawings for mounting, number of faces and direction of arrows. <b>AC / Universal DC backup.</b>                                                                  |                                                   | <ul style="list-style-type: none"><li>• Lumacell: LN Series</li><li>• Emergi-Lite: EN Series</li><li>• Beghelli: Fortezza RM Series</li><li>• Stanpro: RMR Series</li><li>• Aimlite: RPWP Series</li></ul>  |                                          | See drawings         |  |

LUMINAIRE SCHEDULE

Project Name: Sterling Hall Addition

Project number: 00036.010.001

File Name:

Attachment A - Luminaires Schedule\_R01

Smith + Andersen

| TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | VOLT. | LAMP(S) | DIMENSIONS | DESCRIPTION | DRIVERS/POWER SUPPLY | MANUFACTURER/CATALOGUE NUMBER | MINIMUM PERFORMANCE REQUIRED (DELIVERED) | LOCATED |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|------------|-------------|----------------------|-------------------------------|------------------------------------------|---------|
| <div>NOTES:</div> <div><div>1. All luminaires need to be consistent on technology and must match reference standard description regardless of catalogue number. Where finishes are not indicated, allow for special finish. Manufacturer/Catalogue number not listed will not be considered.</div><div>2. The Electrical Contractor is responsible for the supply and installation of all fixed per unit cost luminaires as part of the base electrical contract. The Electrical Contractor is responsible for the installation of all cash allowance luminaires as part of the base electrical contract. Refer to specification 16505 or 26 51 13.00 for more details.</div><div>3. LEDs are to be latest technology to proved maximum lumens, binned, best colour and longest life at time of purchase. Drivers are to be the latest technology at time of purchase.</div><div>4. LED luminaire dimensions listed are the maximum size allowed. Luminaires provided can be smaller than the dimension listed.</div><div>5. All luminaire diameters and depths listed are the maximum size allowed. Luminaires provided can be smaller than the dimension listed.</div><div>6. All LED luminaires that present signs of failure on site, within the warranty period, must be replaced at no cost to the owner. If temporary luminaires are required to replace any failed LED luminaires, during the waiting time for parts (i.e. drivers, boards, heat sinks, etc.), the labour cost including installation, temporary luminaire supply, temporary luminaire removal and reinstallation of the LED fixture must be provided at no cost of the owner. Additional electrical costs, associated with higher wattage temporary luminaires, must be reimbursed with interest to the owner by the manufacturer.</div><div>7. In case of failure of an LED luminaire, whether complete failure or partial failure, a independent third party testing Laboratory (approved by Smith + Andersen) shall be commissioned by the manufacturer or vendor to perform tests on samples taken from the failed luminaires installed on corresponding site. All reporting including the test results must be submitted to Smith + Andersen for evaluation and final approval.</div><div>8. Any additional time (related to luminaire manufacturing issues) spent by Smith + Andersen will be billed at our hourly rates to the manufacturer or vendor.</div><div>9. All LED parts and accessories must be replaceable on site without removal of the luminaire.</div><div>10. Equivalents will only be considered at Smith + Andersen discretion prior to tender close. Sample must be supplied with plug and cord for mock-up.</div><div>11. When a mock-up is requested, the full order of luminaires are on hold until approval and verification of the mock-up findings.</div><div>12. Poles and bases are to be designed to accommodate wind conditions to avoid damage due to wind-induced vibrations. Shop drawings are to be signed by a structural engineer registered in the local jurisdiction.</div><div>13. Alternates are not acceptable for all luminaires .</div><div>14. Contractor shall be responsible for providing the required quantity of LED drivers to suit the luminaire layout shown on the Drawings.</div></div> |       |         |            |             |                      |                               |                                          |         |

Panel:LP-0B

Project Name:STERLING HALL

Project #:00036.010.E001

Description:

Date:

Location:ELEC. CLOSET 003

Fed From:

Smith + Andersen

| CCT No. | Connection/Breaker Type - Circuit Description | BKR [A] | Pole s | DF [%] | Estimated Load [VA] | A    |  | B    |   | C    |   | Estimated Load [VA] | DF [%] | Pole s | BKR [A] | Connection/Breaker Type - Circuit Description | CCT No. |
|---------|-----------------------------------------------|---------|--------|--------|---------------------|------|--|------|---|------|---|---------------------|--------|--------|---------|-----------------------------------------------|---------|
| 1       | LTG - STAIR C                                 | 20      | 1      | 100.0  | 1103                | 1103 |  |      |   |      |   |                     |        |        |         |                                               | 2       |
| 3       | LTG - CORRIDOR - C000                         | 20      | 1      | 100.0  | 1399                |      |  | 1399 |   |      |   |                     |        |        |         |                                               | 4       |
| 5       | LTG - STAIR B                                 | 20      | 1      | 100.0  | 210                 |      |  |      |   | 210  |   |                     |        |        |         |                                               | 6       |
| 7       | LTG - FLEXIBLE SPACE 002                      | 20      | 1      | 100.0  | 564                 | 564  |  |      |   |      |   |                     |        |        |         |                                               | 8       |
| 9       | LTG - ELEVATOR E-00                           | 20      | 1      | 100.0  | 32                  |      |  | 32   |   |      |   |                     |        |        |         |                                               | 10      |
| 11      | LTG - SITE LIGHTING PARKING                   | 20      | 1      | 100.0  | 1200                |      |  |      |   | 1200 |   |                     |        |        |         |                                               | 12      |
| 13      | LTG - SITE LIGHTING PARKING                   | 20      | 1      | 100.0  | 1200                | 1200 |  |      |   |      |   |                     |        |        |         |                                               | 14      |
| 15      | LTG - SITE LIGHTING PARKING                   | 20      | 1      | 100.0  | 1350                |      |  | 1350 |   |      |   |                     |        |        |         |                                               | 16      |
| 17      | LTG - SITE LIGHTING WALKWAY                   | 20      | 1      | 100.0  | 714                 |      |  |      |   | 714  |   |                     |        |        |         |                                               | 18      |
| 19      | LTG - SITE LIGHTING                           | 20      | 1      | 100.0  | 900                 | 900  |  |      |   |      |   |                     |        |        |         |                                               | 20      |
| 21      | LTG - SITE LIGHTING WALKWAY                   | 15      | 1      | 100.0  | 663                 |      |  | 663  |   |      |   |                     |        |        |         |                                               | 22      |
| 23      | LTG - SITE LIGHTING NEAR BUILDING             | 20      | 1      | 100.0  | 224                 |      |  |      |   | 224  |   |                     |        |        |         |                                               | 24      |
| 25      | LTG - STAIR C - 02                            | 15      | 1      | 100.0  | 116                 | 116  |  |      |   |      |   |                     |        |        |         |                                               | 26      |
| 27      |                                               |         |        |        |                     |      |  |      |   |      |   |                     |        |        |         |                                               | 28      |
| 29      | LTG - STAIR C - 00                            | 15      | 1      | 100.0  | 9                   |      |  |      |   | 9    |   |                     |        |        |         |                                               | 30      |
| 31      |                                               |         |        |        |                     |      |  |      |   |      |   |                     |        |        |         |                                               | 32      |
| 33      | Spare                                         | 15      | 1      | --     | 0                   |      |  | 0    | 0 |      |   | 0                   | --     | 1      | 15      | Spare                                         | 34      |
| 35      | Spare                                         | 15      | 1      | --     | 0                   |      |  |      |   | 0    | 0 | 0                   | --     | 1      | 15      | Spare                                         | 36      |

Connection/Breaker Type Legend:

|                                         |                               |                      |                                                 |
|-----------------------------------------|-------------------------------|----------------------|-------------------------------------------------|
| BAS - Building Automation Systems       | SPD - Surge Protection Device | M - Motor            | LTG - Lighting                                  |
| GFCI - Ground Fault Circuit Interrupter | BLO - Breaker Lock-On Device  | D.F. - Demand Factor | HID - High Intensity Discharge Lighting Breaker |
| AFCI - Arc Fault Circuit Interrupter    | R.C. - Relay Controlled       | REC - Receptacle     | D.C. - Direct Connection                        |

| Panel Options: Refer to Panel Notes for selected Options |                        |  |  | Panel Totals             |          | Panel Parameters                   |             |
|----------------------------------------------------------|------------------------|--|--|--------------------------|----------|------------------------------------|-------------|
| 1                                                        | CSA Enclosure Rating   |  |  | Estimated Load A [kVA]   | 3.88 kVA | Voltage                            | 120/208 Wye |
| 2                                                        | Feed Through           |  |  | Estimated Load B [kVA]   | 3.44 kVA | PHASE:                             | 3           |
| 3                                                        | Sub Feed               |  |  | Estimated Load C [kVA]   | 2.36 kVA | WIRES:                             | 4           |
| 4                                                        | Main Breaker           |  |  | Total Est. Demand [kVA]: | 9.68 kVA | MAINS [A]:                         | 100 A       |
| 5                                                        | 200% Rated Neutral Bus |  |  | Total Conn. Load [kVA]:  | 9.68 kVA | MAIN BREAKER [A], 1 = not required | 1           |
| 6                                                        | Isolated Ground Bus    |  |  |                          |          | I.C. [kA]:                         |             |
| 7                                                        | Plug in Breaker        |  |  | Estimated Current A [A]  | 33 A     |                                    |             |
| 8                                                        | SPD                    |  |  | Estimated Current B [A]  | 29 A     |                                    |             |
|                                                          |                        |  |  | Estimated Current C [A]  | 20 A     |                                    |             |

Notes:

1) Panel Enclosure to be Sprinklerproof.

2) Panels greater than 66 circuits shall be double tub.

3) Surge Protection Device (SPD) to be in a separate barrered enclosure with separate cover.

4) Terminate circuits for BAS in 4"x4" junction box 10' from panel.

ADDENDUM E01

2026.07.22

Panel: LP-1B

Project Name: STERLING HALL

Project #: 00036.010.E001

Description:

Date:

Location: ELECTRICAL 204

Fed From:

Smith + Andersen

| CCT No.                                                                                      | Connection/Breaker Type - Circuit Description | BKR [A] | Pole s | DF [%] | Estimated Load [VA]           | A            |     | B   |     | C                    |                                    | Estimated Load [VA] | DF [%]      | Pole s | BKR [A]                                         | Connection/Breaker Type - Circuit Description | CCT No. |
|----------------------------------------------------------------------------------------------|-----------------------------------------------|---------|--------|--------|-------------------------------|--------------|-----|-----|-----|----------------------|------------------------------------|---------------------|-------------|--------|-------------------------------------------------|-----------------------------------------------|---------|
| 1                                                                                            | LTG - IT STORAGE 223                          | 20      | 1      | 100.0  | 1103                          | 1103         | 720 |     |     |                      |                                    | 720                 | 100.0       | 1      | 20                                              | LTG - WOODEN SLAT CEILING                     | 2       |
| 3                                                                                            | LTG - EXISTING MECH ROOM 110                  | 20      | 1      | 100.0  | 994                           |              |     | 994 | 256 |                      |                                    | 256                 | 100.0       | 1      | 20                                              | LTG - STAIR A                                 | 4       |
| 5                                                                                            | LTG - RECEPTION ROOM 102                      | 20      | 1      | 100.0  | 1099                          |              |     |     |     | 1099                 | 637                                | 637                 | 100.0       | 1      | 20                                              | LTG - CORRIDOR -C120                          | 6       |
| 7                                                                                            | LTG - STAIR A1 ST-A1                          | 20      | 1      | 100.0  | 202                           | 202          | 387 |     |     |                      |                                    | 387                 | 100.0       | 1      | 20                                              | LTG - CLASSROOM 129                           | 8       |
| 9                                                                                            | LTG - MAIN VESTIBULE AND CORRIDOR             | 20      | 1      | 100.0  | 368                           |              |     | 368 | 321 |                      |                                    | 321                 | 100.0       | 1      | 20                                              | LTG - BREAKOUT 128A                           | 10      |
| 11                                                                                           | LTG - ELEVATOR E-00                           | 20      | 1      | 100.0  | 32                            |              |     |     |     | 32                   | 370                                | 370                 | 100.0       | 1      | 20                                              | LTG - CLASSROOM 127                           | 12      |
| 13                                                                                           | LTG - CORRIDOR C101                           | 20      | 1      | 100.0  | 424                           | 424          | 611 |     |     |                      |                                    | 611                 | 100.0       | 1      | 20                                              | LTG - STUDENT WASHROOM 126                    | 14      |
| 15                                                                                           | LTG -OFFICE 111 AND 112 AND PRAYER ROOM 113   | 20      | 1      | 100.0  | 236                           |              |     | 236 | 9   |                      |                                    | 9                   | 100.0       | 1      | 15                                              | LTG - STAIR C - 01 & 02                       | 16      |
| 17                                                                                           | LTG - CORRIDOR - C102                         | 20      | 1      | 100.0  | 822                           |              |     |     |     | 822                  | 139                                | 139                 | 100.0       | 1      | 20                                              | LTG - UPPER GROUND HEART SPACE 101            | 18      |
| 19                                                                                           | LTG - VESTIBULE 114                           | 20      | 1      | 100.0  | 70                            | 70           | 322 |     |     |                      |                                    | 322                 | 100.0       | 1      | 20                                              | LTG - HEART SPACE 101                         | 20      |
| 21                                                                                           | LTG - CORRIDOR - C120                         | 20      | 1      | 100.0  | 281                           |              |     | 281 |     |                      |                                    |                     |             |        |                                                 |                                               | 22      |
| 23                                                                                           | LTG - ELEV E-00                               | 20      | 1      | 100.0  | 32                            |              |     |     |     | 32                   |                                    |                     |             |        |                                                 |                                               | 24      |
| 25                                                                                           | LTG -CLASSROOM 120                            | 20      | 1      | 100.0  | 355                           | 355          |     |     |     |                      |                                    |                     |             |        |                                                 |                                               | 26      |
| 27                                                                                           | LTG - BREAKOUT - 121B                         | 20      | 1      | 100.0  | 321                           |              |     | 321 |     |                      |                                    |                     |             |        |                                                 |                                               | 28      |
| 29                                                                                           | LTG - CLASSROOM - 122                         | 20      | 1      | 100.0  | 451                           |              |     |     |     | 451                  | 0                                  | 0                   | --          | 1      | 15                                              | Spare                                         | 30      |
| 31                                                                                           | LTG - STAFF 130                               | 20      | 1      | 100.0  | 306                           | 306          | 0   |     |     |                      |                                    | 0                   | --          | 1      | 15                                              | Spare                                         | 32      |
| 33                                                                                           | LTG - WOODEN SLAT CEILING                     | 20      | 1      | 100.0  | 960                           |              |     | 960 | 0   |                      |                                    | 0                   | --          | 1      | 15                                              | Spare                                         | 34      |
| 35                                                                                           | LTG - WOODEN SLAT CEILING                     | 20      | 1      | 100.0  | 780                           |              |     |     |     | 780                  | 0                                  | 0                   | --          | 1      | 15                                              | Spare                                         | 36      |
|                                                                                              |                                               |         |        |        |                               |              |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
| Connection/Breaker Type Legend:                                                              |                                               |         |        |        |                               |              |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
| BAS - Building Automation Systems                                                            |                                               |         |        |        | SPD - Surge Protection Device |              |     |     |     | M - Motor            |                                    |                     |             |        | LTG - Lighting                                  |                                               |         |
| GFCI - Ground Fault Circuit Interrupter                                                      |                                               |         |        |        | BLO - Breaker Lock-On Device  |              |     |     |     | D.F. - Demand Factor |                                    |                     |             |        | HID - High Intensity Discharge Lighting Breaker |                                               |         |
| AFCI - Arc Fault Circuit Interrupter                                                         |                                               |         |        |        | R.C. - Relay Controlled       |              |     |     |     | REC - Receptacle     |                                    |                     |             |        | D.C. - Direct Connection                        |                                               |         |
| Panel Options: Refer to Panel Notes for selected Options                                     |                                               |         |        |        |                               |              |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
|                                                                                              |                                               |         |        |        |                               | Panel Totals |     |     |     |                      |                                    | Panel Parameters    |             |        |                                                 |                                               |         |
| 1                                                                                            | CSA Enclosure Rating                          |         |        |        | Estimated Load A [kVA]        | 4.50 kVA     |     |     |     |                      | Voltage                            |                     | 120/208 Wye |        |                                                 |                                               |         |
| 2                                                                                            | Feed Through                                  |         |        |        | Estimated Load B [kVA]        | 3.75 kVA     |     |     |     |                      | PHASE:                             |                     | 3           |        |                                                 |                                               |         |
| 3                                                                                            | Sub Feed                                      |         |        |        | Estimated Load C [kVA]        | 4.36 kVA     |     |     |     |                      | WIRES:                             |                     | 4           |        |                                                 |                                               |         |
| 4                                                                                            | Main Breaker                                  |         |        |        | Total Est. Demand [kVA]:      | 12.61 kVA    |     |     |     |                      | MAINS [A]:                         |                     | 100 A       |        |                                                 |                                               |         |
| 5                                                                                            | 200% Rated Neutral Bus                        |         |        |        | Total Conn. Load [kVA]:       | 12.60 kVA    |     |     |     |                      | MAIN BREAKER [A], 1 = not required |                     | 1           |        |                                                 |                                               |         |
| 6                                                                                            | Isolated Ground Bus                           |         |        |        |                               |              |     |     |     |                      | I.C. [kA]:                         |                     |             |        |                                                 |                                               |         |
| 7                                                                                            | Plug in Breaker                               |         |        |        | Estimated Current A [A]       | 38 A         |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
| 8                                                                                            | SPD                                           |         |        |        | Estimated Current B [A]       | 31 A         |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
|                                                                                              |                                               |         |        |        | Estimated Current C [A]       | 37 A         |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
| Notes:                                                                                       |                                               |         |        |        |                               |              |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
| 1) Panel Enclosure to be Sprinklerproof.                                                     |                                               |         |        |        |                               |              |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
| 2) Panels greater than 66 circuits shall be double tub.                                      |                                               |         |        |        |                               |              |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
| 3) Surge Protection Device (SPD) to be in a separate barrered enclosure with separate cover. |                                               |         |        |        |                               |              |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |
| 4) Terminate circuits for BAS in 4"x4" junction box 10' from panel.                          |                                               |         |        |        |                               |              |     |     |     |                      |                                    |                     |             |        |                                                 |                                               |         |

Panel:LP-2B

Project Name:STERLING HALL

Project #:00036.010.E001

Description:

Date:

Location:ELECTRICAL 204

Fed From:PP-2B

Smith + Andersen

| CCT No. | Connection/Breaker Type - Circuit Description | BKR [A] | Pole s | DF [%] | Estimated Load [VA] | A    |  | B    |   | C   |   | Estimated Load [VA] | DF [%] | Pole s | BKR [A] | Connection/Breaker Type - Circuit Description | CCT No. |
|---------|-----------------------------------------------|---------|--------|--------|---------------------|------|--|------|---|-----|---|---------------------|--------|--------|---------|-----------------------------------------------|---------|
| 1       | LTG - ELECTRICAL 204                          | 20      | 1      | 100.0  | 90                  | 90   |  |      |   |     |   |                     |        |        |         |                                               | 2       |
| 3       | LTG - CLASSROOM 203                           | 20      | 1      | 100.0  | 1416                |      |  | 1416 |   |     |   |                     |        |        |         |                                               | 4       |
| 5       | LTG - NEAR VESTIBULE                          | 20      | 1      | 100.0  | 888                 |      |  |      |   | 888 |   |                     |        |        |         |                                               | 6       |
| 7       | LTG - CLASSROOM 208 & 210                     | 20      | 1      | 100.0  | 1416                | 1416 |  |      |   |     |   |                     |        |        |         |                                               | 8       |
| 9       | LTG - STUDENT WR 207                          | 20      | 1      | 100.0  | 1410                |      |  | 1410 |   |     |   |                     |        |        |         |                                               | 10      |
| 11      | LTG - MEETING 212                             | 20      | 1      | 100.0  | 608                 |      |  |      |   | 608 |   |                     |        |        |         |                                               | 12      |
| 13      | LTG - BREAKOUT 209A & 209B                    | 20      | 1      | 100.0  | 709                 | 709  |  |      |   |     |   |                     |        |        |         |                                               | 14      |
| 15      | LTG - BREAKOUT 202A & 202B                    | 20      | 1      | 100.0  | 677                 |      |  | 677  |   |     |   |                     |        |        |         |                                               | 16      |
| 17      | LTG - STAIR B                                 | 15      | 1      | 100.0  | 245                 |      |  |      |   | 245 |   |                     |        |        |         |                                               | 18      |
| 19      | LTG - L2 MAIN AREA                            | 20      | 1      | 100.0  | 422                 | 422  |  |      |   |     |   |                     |        |        |         |                                               | 20      |
| 21      | LTG - L2 MAIN AREA                            | 20      | 1      | 100.0  | 200                 |      |  | 200  |   |     |   |                     |        |        |         |                                               | 22      |
| 23      | LTG - L2 MAIN AREA                            | 20      | 1      | 100.0  | 535                 |      |  |      |   | 535 |   |                     |        |        |         |                                               | 24      |
| 25      |                                               |         |        |        |                     |      |  |      |   |     |   |                     |        |        |         |                                               | 26      |
| 27      |                                               |         |        |        |                     |      |  |      |   |     |   |                     |        |        |         |                                               | 28      |
| 29      |                                               |         |        |        |                     |      |  |      |   |     |   |                     |        |        |         |                                               | 30      |
| 31      |                                               |         |        |        |                     |      |  |      |   |     |   |                     |        |        |         |                                               | 32      |
| 33      | Spare                                         | 15      | 1      | --     | 0                   |      |  | 0    | 0 |     |   | 0                   | --     | 1      | 15      | Spare                                         | 34      |
| 35      | Spare                                         | 15      | 1      | --     | 0                   |      |  |      |   | 0   | 0 | 0                   | --     | 1      | 15      | Spare                                         | 36      |

| Connection/Breaker Type Legend:                          |                        |                               |  |                          |          |                                                 |             |
|----------------------------------------------------------|------------------------|-------------------------------|--|--------------------------|----------|-------------------------------------------------|-------------|
| BAS - Building Automation Systems                        |                        | SPD - Surge Protection Device |  | M - Motor                |          | LTG - Lighting                                  |             |
| GFCI - Ground Fault Circuit Interrupter                  |                        | BLO - Breaker Lock-On Device  |  | D.F. - Demand Factor     |          | HID - High Intensity Discharge Lighting Breaker |             |
| AFCI - Arc Fault Circuit Interrupter                     |                        | R.C. - Relay Controlled       |  | REC - Receptacle         |          | D.C. - Direct Connection                        |             |
| Panel Options: Refer to Panel Notes for selected Options |                        |                               |  | Panel Totals             |          | Panel Parameters                                |             |
| 1                                                        | CSA Enclosure Rating   |                               |  | Estimated Load A [kVA]   | 2.64 kVA | Voltage                                         | 120/208 Wye |
| 2                                                        | Feed Through           |                               |  | Estimated Load B [kVA]   | 3.70 kVA | PHASE:                                          | 3           |
| 3                                                        | Sub Feed               |                               |  | Estimated Load C [kVA]   | 2.28 kVA | WIRES:                                          | 4           |
| 4                                                        | Main Breaker           |                               |  | Total Est. Demand [kVA]: | 8.62 kVA | MAINS [A]:                                      | 100 A       |
| 5                                                        | 200% Rated Neutral Bus |                               |  | Total Conn. Load [kVA]:  | 8.62 kVA | MAIN BREAKER [A], 1 = not required              | 1           |
| 6                                                        | Isolated Ground Bus    |                               |  |                          |          | I.C. [kA]:                                      |             |
| 7                                                        | Plug in Breaker        |                               |  | Estimated Current A [A]  | 22 A     |                                                 |             |
| 8                                                        | SPD                    |                               |  | Estimated Current B [A]  | 31 A     |                                                 |             |
|                                                          |                        |                               |  | Estimated Current C [A]  | 19 A     |                                                 |             |

Notes:

1) Panel Enclosure to be Sprinklerproof.

2) Panels greater than 66 circuits shall be double tub.

3) Surge Protection Device (SPD) to be in a separate barrered enclosure with separate cover.

4) Terminate circuits for BAS in 4"x4" junction box 10' from panel.

Panel: RP-0A

Project Name: STERLING HALL

Project #: 00036.010.E001

Description:

Date:

Location: ELEC. CLOSET 003

Fed From:

Smith + Andersen

| CCT No. | Connection/Breaker Type - Circuit Description | BKR [A] | Pole s | DF [%] | Estimated Load [VA] | A    |      | B   |      | C    |      | Estimated Load [VA] | DF [%] | Pole s | BKR [A] | Connection/Breaker Type - Circuit Description | CCT No. |
|---------|-----------------------------------------------|---------|--------|--------|---------------------|------|------|-----|------|------|------|---------------------|--------|--------|---------|-----------------------------------------------|---------|
| 1       | REC - ELEC CLOSET 003                         | 15      | 1      | 50.0   | 150                 | 300  | 600  |     |      |      |      | 300                 | 50.0   | 1      | 15      | REC - SECURE STORAGE 007                      | 2       |
| 3       | REC - MAKER SPACE 001                         | 15      | 1      | 50.0   | 375                 |      |      | 750 | 700  |      |      | 350                 | 50.0   | 1      | 20      | REC - 3D PRINTER                              | 4       |
| 5       | D.C - FCU-LL-C003                             | 15      | 2      | 70.0   | 248                 |      |      |     |      | 177  | 1800 | 900                 | 50.0   | 1      | 20      | REC - LAMINATOR                               | 6       |
| 7       |                                               |         |        |        |                     | 177  | 750  |     |      |      |      | 375                 | 50.0   | 1      | 15      | REC - FLEXIBLE SPACE 002                      | 8       |
| 9       | D.C - FCU-LL-001                              | 15      | 2      | 70.0   | 248                 |      |      | 177 | 300  |      |      | 150                 | 50.0   | 1      | 15      | REC - AV PROJECTOR                            | 10      |
| 11      |                                               |         |        |        |                     |      |      |     |      | 177  | 750  | 375                 | 50.0   | 1      | 20      | REC - 3D PRINTER                              | 12      |
| 13      | D.C - FCU-LL-002                              | 15      | 2      | 70.0   | 248                 | 177  | 1350 |     |      |      |      | 675                 | 50.0   | 1      | 15      | REC - GFCI SPACES                             | 14      |
| 15      |                                               |         |        |        |                     |      |      | 177 | 450  |      |      | 225                 | 50.0   | 1      | 15      | REC - ELEV ROOM                               | 16      |
| 17      | D.C - BBH-1                                   | 15      | 2      | 70.0   | 1400                |      |      |     |      | 1000 | 150  | 75                  | 50.0   | 1      | 20      | REC - STAIR B                                 | 18      |
| 19      |                                               |         |        |        |                     | 1000 | 50   |     |      |      |      | 35                  | 70.0   | 1      | 15      | [GFCI - 30mA] D.C - TRAP SEAL PRIMER          | 20      |
| 21      | REC - GLYCOL FILL STATION                     | 15      | 1      | 50.0   | 75                  |      |      | 150 | 1650 |      |      | 3300                | 100.0  | 2      | 20      | D.C - CU-6                                    | 22      |
| 23      | D.C - P-DHWR-1                                | 15      | 1      | 7.0    | 9                   |      |      |     |      | 125  | 1650 |                     |        |        |         |                                               | 24      |
| 25      | D.C - P-SAN-01                                | 15      | 1      | 70.0   | 261                 | 373  | 50   |     |      |      |      | 35                  | 70.0   | 1      | 15      | D.C - HAND DRYER                              | 26      |
| 27      | D.C - P-SAN-02                                | 15      | 1      | 70.0   | 261                 |      |      | 373 | 50   |      |      | 35                  | 70.0   | 1      | 15      | D.C - ADO                                     | 28      |
| 29      | REC - EXTERIOR                                | 15      | 1      | 50.0   | 300                 |      |      |     |      | 600  | 50   | 70                  | 70.0   | 2      | 15      | D.C - FCU-LL-ELEV                             | 30      |
| 31      | D.C - HEATING COIL CONTROLLER                 | 15      | 1      | 50.0   | 225                 | 450  | 50   |     |      |      |      |                     |        |        |         |                                               | 32      |
| 33      | REC - AV PROJECTOR                            | 15      | 1      | 50.0   | 150                 |      |      | 300 | 150  |      |      | 75                  | 50.0   | 1      | 15      | REC - LCD SCREEN                              | 34      |
| 35      | REC - AV PROJECTOR                            | 15      | 1      | 50.0   | 150                 |      |      |     |      | 300  | 300  | 150                 | 50.0   | 1      | 15      | REC - CORRIDOR C000                           | 36      |
| 37      | REC - HK                                      | 20      | 1      | 50.0   | 150                 | 300  | 50   |     |      |      |      | 35                  | 70.0   | 1      | 15      | [GFCI - 30mA] D.C - HEAT TRACE                | 38      |
| 39      | REC - ELEVATOR PIT                            | 15      | 1      | 50.0   | 75                  |      |      | 150 | 2400 |      |      | 4800                | 100.0  | 2      | 30      | D.C - FFH-ST-B1                               | 40      |
| 41      | D.C - BAS                                     | 15      | 1      | 50.0   | 50                  |      |      |     |      | 100  | 2400 |                     |        |        |         |                                               | 42      |
| 43      | D.C - ELEVATOR POWER                          | 15      | 1      | 70.0   | 350                 | 500  | 300  |     |      |      |      | 150                 | 50.0   | 1      | 15      | REC - EXTERIOR                                | 44      |
| 45      | D.C - ELEVATOR CAB LIGHTING                   | 15      | 1      | 70.0   | 140                 |      |      | 200 | 150  |      |      | 75                  | 50.0   | 1      | 15      | REC - EXTERIOR                                | 46      |
| 47      | D.C - ELEVATOR CAB SECURITY                   | 15      | 1      | 70.0   | 350                 |      |      |     |      | 500  | 50   | 35                  | 70.0   | 1      | 15      | D.C - EXTERIOR SIGNAGE LIGHTS                 | 48      |
| 49      | D.C - ELEVATOR CAB TELECOM                    | 15      | 1      | 70.0   | 350                 | 500  |      |     |      |      |      |                     |        |        |         |                                               | 50      |
| 51      | [GFCI - 30mA] D.C - HEAT TRACE                | 15      | 1      | 70.0   | 35                  |      |      | 50  |      |      |      |                     |        |        |         |                                               | 52      |
| 53      | D.C - FCU-LL-ELEC                             | 15      | 2      | 70.0   | 58                  |      |      |     |      | 42   | 0    | 0                   | --     | 1      | 15      | Spare                                         | 54      |
| 55      |                                               |         |        |        |                     | 42   | 0    |     |      |      |      | 0                   | --     | 1      | 15      | Spare                                         | 56      |
| 57      | D.C - BRANCH SELECTOR                         | 15      | 1      | 70.0   | 175                 |      |      | 250 | 0    |      |      | 0                   | --     | 1      | 15      | Spare                                         | 58      |
| 59      | REC - ADULT CHANGE TABLE                      | 20      | 1      | 50.0   | 75                  |      |      |     |      | 150  | 0    | 0                   | --     | 1      | 15      | Spare                                         | 60      |
| 61      | D.C - SH MAKER SPACE 001                      | 15      | 1      | 70.0   | 560                 | 800  | 0    |     |      |      |      | 0                   | --     | 1      | 15      | Spare                                         | 62      |
| 63      | D.C - SH MAKER SPACE 001                      | 15      | 1      | 70.0   | 420                 |      |      | 600 | 0    |      |      | 0                   | --     | 1      | 15      | Spare                                         | 64      |
| 65      | D.C - DGP                                     | 15      | 1      | 70.0   | 70                  |      |      |     |      | 100  | 0    | 0                   | --     | 1      | 15      | Spare                                         | 66      |

Connection/Breaker Type Legend:

|                                         |                               |                      |                                                 |
|-----------------------------------------|-------------------------------|----------------------|-------------------------------------------------|
| BAS - Building Automation Systems       | SPD - Surge Protection Device | M - Motor            | LTG - Lighting                                  |
| GFCI - Ground Fault Circuit Interrupter | BLO - Breaker Lock-On Device  | D.F. - Demand Factor | HID - High Intensity Discharge Lighting Breaker |
| AFCI - Arc Fault Circuit Interrupter    | R.C. - Relay Controlled       | REC - Receptacle     | D.C. - Direct Connection                        |

Panel Options: Refer to Panel Notes for selected Options

|   |                        |  |  | Panel Totals             |           | Panel Parameters                   |             |
|---|------------------------|--|--|--------------------------|-----------|------------------------------------|-------------|
| 1 | CSA Enclosure Rating   |  |  | Estimated Load A [kVA]   | 4.66 kVA  | Voltage                            | 120/208 Wye |
| 2 | Feed Through           |  |  | Estimated Load B [kVA]   | 6.91 kVA  | PHASE:                             | 3           |
| 3 | Sub Feed               |  |  | Estimated Load C [kVA]   | 7.60 kVA  | WIRES:                             | 4           |
| 4 | Main Breaker           |  |  | Total Est. Demand [kVA]: | 19.18 kVA | MAINS [A]:                         | 100 A       |
| 5 | 200% Rated Neutral Bus |  |  | Total Conn. Load [kVA]:  | 27.26 kVA | MAIN BREAKER [A], 1 = not required | 1           |
| 6 | Isolated Ground Bus    |  |  |                          |           | I.C. [kA]:                         |             |
| 7 | Plug in Breaker        |  |  | Estimated Current A [A]  | 39 A      |                                    |             |
| 8 | SPD                    |  |  | Estimated Current B [A]  | 58 A      |                                    |             |
|   |                        |  |  | Estimated Current C [A]  | 64 A      |                                    |             |

Notes:

- 1) Panel Enclosure to be Sprinklerproof.
- 2) Panels greater than 66 circuits shall be double tub.
- 3) Surge Protection Device (SPD) to be in a separate barrered enclosure with separate cover.
- 4) Terminate circuits for BAS in 4"x4" junction box 10' from panel.



|                             |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         |     |     |
|-----------------------------|-----------------------------------------------|--|--|--|--------------------------|--------|--------|---------------------|------|------------------|------|------|------|------|---------------------|--------|--------|---------|-----------------------------------------------|--------------------------------|---------------------------------|--|---------|-----|-----|
| Panel: RP-1C                |                                               |  |  |  |                          |        |        |                     |      | Smith + Andersen |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         |     |     |
| Project Name: STERLING HALL |                                               |  |  |  | Location: ELECTRICAL 204 |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         |     |     |
| Project #: 00036.010.E001   |                                               |  |  |  | Fed From:                |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         |     |     |
| Description:                |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         |     |     |
| Date:                       |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         |     |     |
| CCT No.                     | Connection/Breaker Type - Circuit Description |  |  |  | BKR [A]                  | Pole s | DF [%] | Estimated Load [VA] | A    |                  | B    |      | C    |      | Estimated Load [VA] | DF [%] | Pole s | BKR [A] | Connection/Breaker Type - Circuit Description |                                |                                 |  | CCT No. |     |     |
| 1                           | REC - IT/STORAGE 123                          |  |  |  | 15                       | 1      | 100.0  | 450                 | 450  | 177              |      |      |      |      |                     |        |        | 2       | D.C. - FCUL1-122                              |                                |                                 |  | 2       |     |     |
| 3                           | REC - DATA & SECURITY RACK - IT/STORAGE 123   |  |  |  | 20                       | 1      | 100.0  | 300                 |      |                  |      | 300  | 177  |      |                     | 248    | 70.0   | 2       | 15                                            | D.C. - FCUL1-121               |                                 |  |         | 4   |     |
| 5                           | DC - ELECTRICAL BASEBOARD HEATER              |  |  |  | 15                       | 2      | 100.0  | 85                  |      |                  | 43   | 177  |      | 43   | 177                 | 248    | 70.0   | 2       | 15                                            | D.C. - FCUL1-121               |                                 |  |         | 6   |     |
| 7                           |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  | 8       |     |     |
| 9                           | D.C. - FCUL-C102-1                            |  |  |  | 15                       | 2      | 70.0   | 248                 |      |                  |      | 177  | 177  |      |                     | 248    | 70.0   | 2       | 15                                            | D.C. - FCUL1-120               |                                 |  |         | 10  |     |
| 11                          |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      | 177  | 177                 |        |        |         |                                               |                                |                                 |  | 12      |     |     |
| 13                          | D.C. - FCUL1-111                              |  |  |  | 15                       | 2      | 70.0   | 248                 | 177  | 177              |      |      | 177  | 177  |                     | 248    | 70.0   | 2       | 15                                            | D.C. - FCUL1-C120-1            |                                 |  |         | 14  |     |
| 15                          |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  | 16      |     |     |
| 17                          | D.C. - FCUL1-C101                             |  |  |  | 15                       | 2      | 70.0   | 248                 |      | 177              | 177  |      |      |      | 177                 | 248    | 70.0   | 2       | 15                                            | D.C. - FCUL1-C120-2            |                                 |  |         | 18  |     |
| 19                          |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  | 20      |     |     |
| 21                          | D.C. - FCUL1-103                              |  |  |  | 15                       | 2      | 70.0   | 248                 |      |                  |      | 177  | 177  |      |                     | 248    | 70.0   | 2       | 15                                            | D.C. - FCUL1-C120-3            |                                 |  |         | 22  |     |
| 23                          |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      | 177  | 177                 |        |        |         |                                               |                                |                                 |  | 24      |     |     |
| 25                          | D.C. - FCU-MEZZ-130                           |  |  |  | 15                       | 2      | 70.0   | 248                 | 177  | 177              |      |      | 177  | 177  |                     | 248    | 70.0   | 2       | 15                                            | D.C. - FCUL1-127               |                                 |  |         | 26  |     |
| 27                          |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  | 28      |     |     |
| 29                          | D.C. - FCUL1-101-2                            |  |  |  | 15                       | 2      | 70.0   | 757                 |      |                  |      |      |      | 541  | 177                 | 248    | 70.0   | 2       | 15                                            | D.C. - FCUL1-128               |                                 |  |         | 30  |     |
| 31                          |                                               |  |  |  |                          |        |        |                     | 541  | 177              |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  | 32      |     |     |
| 33                          | D.C. - FCUL1-101-1                            |  |  |  | 15                       | 2      | 70.0   | 757                 |      |                  |      |      |      | 541  | 177                 | 248    | 70.0   | 2       | 15                                            | D.C. - FCUL1-129               |                                 |  |         | 34  |     |
| 35                          |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  | 36      |     |     |
| 37                          | D.C. - FCUL1-102                              |  |  |  | 15                       | 2      | 70.0   | 248                 |      |                  | 177  | 2160 |      |      |                     | 1512   | 70.0   | 1       | 25                                            | D.C. - ERV-1                   |                                 |  |         | 38  |     |
| 39                          |                                               |  |  |  |                          |        |        |                     |      |                  |      |      | 177  | 750  |                     | 525    | 70.0   | 1       | 15                                            | REC - PRAYER & OFFICE          |                                 |  |         | 40  |     |
| 41                          | D.C. - FFH-L1-126                             |  |  |  | 15                       | 1      | 100.0  | 75                  |      |                  |      |      |      |      | 75                  | 525    | 70.0   | 1       | 15                                            | REC - OFFICE 111               |                                 |  |         | 42  |     |
| 43                          | REC - GFCI WR 104                             |  |  |  | 15                       | 1      | 50.0   | 150                 | 300  | 750              |      |      |      |      |                     | 525    | 70.0   | 1       | 15                                            | REC - CLASSROOM 127            |                                 |  |         | 44  |     |
| 45                          | REC - PRINTER                                 |  |  |  | 15                       | 1      | 70.0   | 315                 |      |                  | 450  | 600  |      |      |                     | 420    | 70.0   | 1       | 15                                            | REC - BREAKOUT 128B            |                                 |  |         | 46  |     |
| 47                          | REC - RECEPTION / MEETING 103                 |  |  |  | 15                       | 1      | 70.0   | 0                   |      |                  |      |      | 0    | 750  |                     | 525    | 70.0   | 1       | 15                                            | REC - CLASSROOM 129            |                                 |  |         | 48  |     |
| 49                          | REC - MEETING 103                             |  |  |  | 15                       | 1      | 70.0   | 525                 | 750  | 600              |      |      |      |      |                     | 420    | 70.0   | 1       | 15                                            | REC - CLASSROOM 120            |                                 |  |         | 50  |     |
| 51                          | REC - HEART SPACE                             |  |  |  | 15                       | 1      | 70.0   | 525                 |      |                  | 750  | 600  |      |      |                     | 420    | 70.0   | 1       | 15                                            | REC - BREAKOUT 121A            |                                 |  |         | 52  |     |
| 53                          | REC - CORRIDOR                                |  |  |  | 20                       | 1      | 50.0   | 300                 |      |                  |      |      | 600  |      | 750                 | 525    | 70.0   | 1       | 15                                            | REC - CLASSROOM 122            |                                 |  |         | 54  |     |
| 55                          |                                               |  |  |  |                          |        |        |                     | 1000 |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  | 56      |     |     |
| 57                          | D.C. - FFH-ST-C1                              |  |  |  | 15                       | 2      | 100.0  | 2000                |      |                  | 1000 |      |      |      |                     |        |        |         |                                               |                                |                                 |  | 58      |     |     |
| 59                          |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  | 60      |     |     |
| 61                          | D.C. - FFH-STA1                               |  |  |  | 30                       | 2      | 100.0  | 4800                |      |                  | 2400 | 1050 |      |      |                     | 1539   | 70.0   | 1       | 25                                            | D.C. - RP-1                    |                                 |  |         | 62  |     |
| 63                          |                                               |  |  |  |                          |        |        |                     |      |                  |      |      |      |      |                     | 735    | 70.0   | 1       | 15                                            | D.C. - HEATING COIL CONTROLLER |                                 |  |         | 64  |     |
| 65                          | D.C. - FFH-MAIN VEST                          |  |  |  | 30                       | 2      | 100.0  | 4800                |      |                  |      |      | 2400 | 200  |                     | 200    | 100.0  | 1       | 15                                            | D.C.-AF                        |                                 |  |         | 66  |     |
| 67                          | D.C. - HAND DRYER                             |  |  |  | 15                       | 1      | 70.0   | 70                  | 100  | 2400             |      |      |      |      | 2400                | 750    | 525    | 70.0    | 1                                             | 15                             | D.C. - HEATING COIL CONTROLLER  |  |         |     | 68  |
| 69                          | REC - ADULT CHANGING TABLE                    |  |  |  | 20                       | 1      | 70.0   | 105                 |      |                  |      |      | 150  | 2400 |                     |        | 4800   | 100.0   | 2                                             | 30                             | D.C. - FFH-ST-BU                |  |         |     | 70  |
| 71                          | REC - HK                                      |  |  |  | 20                       | 1      | 50.0   | 300                 |      |                  |      |      |      |      | 600                 | 177    | 248    | 70.0    | 2                                             | 15                             | DC - FCUL1-C102-2               |  |         |     | 72  |
| 73                          | D.C. - ADO                                    |  |  |  | 15                       | 1      | 70.0   | 70                  | 100  | 177              |      |      | 50   | 50   |                     |        | 50     | 100.0   | 1                                             | 15                             | [GFCI - 30mA] D.C. - HEAT TRACE |  |         |     | 74  |
| 75                          | D.C. - BAS                                    |  |  |  | 15                       | 1      | 100.0  | 50                  |      |                  |      |      | 50   |      |                     |        | 210    | 70.0    | 1                                             | 15                             | REC - STAFF 130                 |  |         |     | 76  |
| 77                          | D.C. - ADO                                    |  |  |  | 15                       | 1      | 70.0   | 35                  |      |                  |      |      |      | 50   | 300                 |        | 210    | 70.0    | 1                                             | 15                             | REC - STAFF 130                 |  |         |     | 78  |
| 79                          | REC - LCD SCREEN                              |  |  |  | 15                       | 1      | 100.0  | 150                 | 150  | 300              |      |      |      |      |                     |        | 420    | 70.0    | 1                                             | 15                             | REC - CLASSROOM 120             |  |         |     | 80  |
| 81                          | REC - MAIN VEST                               |  |  |  | 15                       | 1      | 50.0   | 75                  |      |                  | 150  | 600  |      |      |                     | 280    | 70.0   | 1       | 15                                            | REC - FRIDGE                   |                                 |  |         | 82  |     |
| 83                          | D.C. - HEATING COIL CONTROLLER                |  |  |  | 15                       | 1      | 70.0   | 525                 |      |                  | 300  | 600  |      |      | 750                 | 400    | 280    | 70.0    | 1                                             | 15                             | REC - HK STAFF 130              |  |         |     | 84  |
| 85                          | REC - HK RECEPTACLE                           |  |  |  | 20                       | 1      | 50.0   | 150                 |      |                  |      |      |      |      |                     |        | 300    | 100.0   | 1                                             | 15                             | REC - FRIDGE                    |  |         |     | 86  |
| 87                          | D.C. - ADO                                    |  |  |  | 15                       | 1      | 70.0   | 70                  |      |                  | 100  | 400  |      |      |                     |        | 280    | 70.0    | 1                                             | 15                             | REC - FRIDGE                    |  |         |     | 88  |
| 89                          | D.C. - BRANCH SELECTOR                        |  |  |  | 15                       | 1      | 70.0   | 700                 |      |                  |      |      |      | 1000 | 600                 |        | 300    | 50.0    | 1                                             | 15                             | REC - HK                        |  |         |     | 90  |
| 91                          | REC - IT/STORAGE 123                          |  |  |  | 20                       | 1      | 100.0  | 450                 | 450  | 150              |      |      |      |      |                     |        | 75     | 50.0    | 1                                             | 20                             | REC - NEAR IT/STORAGE 123       |  |         |     | 92  |
| 93                          | REC - UPS IT/STORAGE 123                      |  |  |  | 30                       | 1      | 100.0  | 150                 |      |                  |      |      | 150  | 350  |                     |        | 245    | 70.0    | 1                                             | 15                             | D.C.-STUDENT WR 126 - AF        |  |         |     | 94  |
| 95                          | [GFCI - 30mA] D.C. - HEAT TRACE               |  |  |  | 15                       | 1      | 100.0  | 50                  |      |                  |      |      |      |      | 50                  | 300    | 150    | 50.0    | 1                                             | 15                             | REC - AV PROJECTOR              |  |         |     | 96  |
| 97                          | REC - HK                                      |  |  |  | 15                       | 1      | 50.0   | 225                 | 450  | 150              |      |      |      |      |                     |        | 150    | 100.0   | 1                                             | 15                             | REC - AV PROJECTOR              |  |         |     | 98  |
| 99                          | D.C. - HD                                     |  |  |  | 15                       | 1      | 70.0   | 700                 |      |                  | 1000 | 300  |      |      |                     |        | 300    | 100.0   | 1                                             | 15                             | REC - LCD SCREEN                |  |         |     | 100 |
| 101                         | D.C. - DISHWASHER                             |  |  |  | 40                       | 2      | 70.0   | 4564                |      |                  |      |      |      |      | 3260                | 750    | 750    | 100.0   | 1                                             | 15                             | REC - CLASSROOM 122             |  |         |     | 102 |
| 103                         |                                               |  |  |  |                          |        |        |                     | 3260 | 150              |      |      |      |      |                     |        | 150    | 100.0   | 1                                             | 15                             | REC - AV PROJECTOR              |  |         |     | 104 |
| 105                         | REC - STAFF WR 124                            |  |  |  | 15                       | 1      | 50.0   | 75                  |      |                  |      |      | 150  | 300  |                     |        | 300    | 100.0   | 1                                             | 15                             | REC - LCD SCREEN                |  |         |     | 106 |
| 107                         | D.C. - HD STAFF WR                            |  |  |  | 15                       | 1      | 70.0   | 350                 |      |                  |      |      |      |      |                     |        | 315    | 70.0    | 1                                             | 15                             | REC - BREAKOUT 121A             |  |         |     | 108 |
| 109                         | D.C. - AF HAND BASIN                          |  |  |  | 15                       | 1      | 70.0   | 0                   | 0    | 450              |      |      |      |      |                     |        | 315    | 70.0    | 1                                             | 15                             | REC - BREAKOUT 128B             |  |         |     | 110 |
| 111                         | REC - CLASSROOM 127                           |  |  |  | 15                       | 1      | 70.0   | 525                 |      |                  | 750  | 1880 |      |      |                     |        | 1316   | 70.0    | 1                                             | 20                             | REC - MICROWAVE                 |  |         |     | 112 |
| 113                         | REC - ADULT CHANGING TABLE                    |  |  |  | 20                       | 1      | 70.0   | 315                 |      |                  |      |      |      |      |                     |        | 1316   | 70.0    | 1                                             | 20                             | REC - MICROWAVE                 |  |         |     | 114 |
| 115                         | D.C. - ADO                                    |  |  |  | 15                       | 1      | 70.0   | 210                 |      |                  | 300  | 150  |      |      |                     |        | 105    | 70.0    | 1                                             | 20                             | REC - GRILL                     |  |         |     | 116 |
| 117                         | REC - SECURITY RACK                           |  |  |  | 15                       | 1      | 100.0  | 150                 |      |                  |      |      | 150  | 150  |                     |        | 105    | 70.0    | 1                                             | 20                             | REC - GRILL                     |  |         |     | 118 |
| 119                         | REC - DATA RACK                               |  |  |  | 15                       | 1      | 100.0  | 150                 |      |                  |      |      |      |      | 150                 | 300    | 210    | 70.0    | 1                                             | 15                             | REC - COFFEE MACHINE / PRINTER  |  |         |     | 120 |
| 121                         | REC - IT/STORAGE 123                          |  |  |  | 20                       | 1      | 100.0  | 450                 | 450  | 600              |      |      |      |      |                     |        | 600    | 100.0   | 1                                             | 15                             | D.C. - SH OFFICE                |  |         |     | 122 |
| 123                         | REC - LCD SCREEN                              |  |  |  | 15                       | 1      | 100.0  | 300                 |      |                  |      |      | 300  | 800  |                     |        | 560    | 70.0    | 1                                             | 15                             | D.C. - SH                       |  |         |     | 124 |
| 125                         | REC - AV PROJECTOR                            |  |  |  | 15                       | 1      | 100.0  | 150                 |      |                  |      |      |      |      | 150                 | 800    | 560    | 70.0    | 1                                             | 15                             | D.C. - SH                       |  |         |     | 126 |
| 127                         | REC - AV PROJECTOR                            |  |  |  | 15                       | 1      | 100.0  | 150                 | 150  | 800              |      |      |      |      |                     |        | 560    | 70.0    | 1                                             | 15                             | D.C. - SH                       |  |         |     | 128 |
| 129                         | REC - CLASSROOM 129                           |  |  |  | 15                       | 1      | 70.0   | 525                 |      |                  | 750  | 800  |      |      |                     |        | 560    | 70.0    | 1                                             | 15                             | D.C. - SH STAFF 130             |  |         |     | 130 |
| 131                         | REC - LCD SCREEN                              |  |  |  | 15                       | 1      | 100.0  | 300                 |      |                  |      |      |      |      | 300                 | 800    | 560    | 70.0    | 1                                             | 15                             | D.C. - SH                       |  |         |     | 132 |
| 133                         | D.C. - SH CLASSROOM 129                       |  |  |  | 15                       | 1      | 70.0   | 560                 | 800  |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         | 134 |     |
| 135                         | D.C. - SH BREAKOUT                            |  |  |  | 15                       | 1      | 70.0   | 420                 |      |                  | 600  |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         | 136 |     |
| 137                         | D.C. - SH CLASSROOM 127                       |  |  |  | 15                       | 1      | 70.0   | 560                 |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         | 138 |     |
| 139                         | D.C. - SH STAIR                               |  |  |  | 15                       | 1      | 70.0   | 280                 | 400  |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         | 140 |     |
| 141                         | REC - LCD SCREEN                              |  |  |  | 15                       | 1      | 100.0  | 150                 |      |                  |      |      | 150  |      |                     |        |        |         |                                               |                                |                                 |  |         | 142 |     |
| 143                         | REC - RECEPTION / HEART SPACE                 |  |  |  | 15                       | 1      | 70.0   | 0                   |      |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         | 144 |     |
| 145                         | REC - HEART SPACE                             |  |  |  | 15                       | 1      | 70.0   | 525                 | 750  |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         | 146 |     |
| 147                         | D.C. - EMERGENCY SILENT ALARM                 |  |  |  | 15                       | 1      | 100.0  | 50                  |      |                  |      |      | 50   |      |                     |        |        |         |                                               |                                |                                 |  |         | 148 |     |
| 149                         | REC - HK                                      |  |  |  | 20                       | 1      | 50.0   | 225                 |      |                  |      |      |      |      | 450                 |        |        |         |                                               |                                |                                 |  |         | 150 |     |
| 151                         | Spare                                         |  |  |  | 15                       | 1      | --     | 0                   | 0    |                  |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         | 152 |     |
| 153                         | Spare                                         |  |  |  | 15                       | 1      | --     | 0                   |      |                  |      | 0    | 0    |      |                     |        | 0      | --      | 1                                             | 15                             | Spare                           |  |         |     | 154 |
| 155                         | Spare                                         |  |  |  | 15                       | 1      | --     | 0                   |      |                  |      |      |      |      |                     |        | 0      | --      | 1                                             | 15                             | Spare                           |  |         |     | 156 |
| 157                         | Spare                                         |  |  |  | 15                       | 1      | --     | 0                   | 0    | 0                |      |      |      |      |                     |        | 0      | --      | 1                                             | 15                             | Spare                           |  |         |     | 158 |
| 159                         | Spare                                         |  |  |  | 15                       | 1      | --     | 0                   |      |                  |      | 0    | 0    |      |                     |        | 0      | --      | 1                                             | 15                             | Spare                           |  |         |     | 160 |
| 161                         | Spare                                         |  |  |  | 15                       | 1      | --     | 0                   |      |                  |      |      |      |      |                     |        | 0      | --      | 1                                             | 15                             | Spare                           |  |         |     | 162 |
| 163                         | Spare                                         |  |  |  | 15                       | 1      | --     | 0                   | 0    | 0                |      |      |      |      |                     |        | 0      | --      | 1                                             | 15                             | Spare                           |  |         |     | 164 |
| 165                         | Spare                                         |  |  |  | 15                       | 1      | --     | 0                   |      |                  |      | 0    | 0    |      |                     |        | 0      | --      | 1                                             | 15                             | Spare                           |  |         |     | 166 |
| 167                         | Spare                                         |  |  |  | 15                       | 1      | --     | 0                   |      | </               |      |      |      |      |                     |        |        |         |                                               |                                |                                 |  |         |     |     |

Panel:RP-2A

Project Name:STERLING HALL

Project #:00036.010.E001

Description:

Date:

Location:ELECTRICAL 204

Fed From:PP-2B

Smith + Andersen

| CCT No. | Connection/Breaker Type - Circuit Description | BKR [A] | Pole s | DF [%] | Estimated Load [VA] | A    |      | B    |      | C    |     | Estimated Load [VA] | DF [%] | Pole s | BKR [A] | Connection/Breaker Type - Circuit Description | CCT No. |
|---------|-----------------------------------------------|---------|--------|--------|---------------------|------|------|------|------|------|-----|---------------------|--------|--------|---------|-----------------------------------------------|---------|
| 1       | DC - FCU-L2-204                               | 15      | 2      | 70.0   | 60                  | 43   | 177  |      |      |      |     | 248                 | 70.0   | 2      | 15      | D.C - FCU-L2-210                              | 2       |
| 3       | REC - ELECTRICAL 204                          | 15      | 1      | 50.0   | 225                 |      |      | 43   | 177  |      |     |                     |        |        |         |                                               | 4       |
| 5       |                                               |         |        |        |                     |      |      |      |      | 450  | 177 |                     |        |        |         |                                               | 6       |
| 7       | D.C - FCU-L2-203                              | 15      | 2      | 70.0   | 248                 | 177  | 177  |      |      |      |     | 248                 | 70.0   | 2      | 15      | D.C - FCU-L2-C200-2                           | 8       |
| 9       |                                               |         |        |        |                     |      |      | 177  | 177  |      |     |                     |        |        |         |                                               | 10      |
| 11      | D.C - FCU-L2-C200-1                           | 15      | 2      | 70.0   | 248                 |      |      |      |      | 177  | 177 |                     |        |        |         |                                               | 12      |
| 13      |                                               |         |        |        |                     | 177  | 2000 |      |      |      |     | 248                 | 70.0   | 2      | 15      | D.C - FCU-L2-212                              | 14      |
| 15      | D.C - FCU-L2-202                              | 15      | 2      | 70.0   | 248                 |      |      | 177  | 2000 |      |     | 4000                | 100.0  | 2      | 25      | D.C - FFH-ST-A2                               | 16      |
| 17      |                                               |         |        |        |                     |      |      |      |      | 177  | 138 |                     |        |        |         |                                               | 18      |
| 19      | D.C - FCU-L2-201                              | 15      | 2      | 70.0   | 248                 | 177  | 300  |      |      |      |     | 97                  | 70.0   | 1      | 15      | D.C - EF-1                                    | 20      |
| 21      |                                               |         |        |        |                     |      |      | 177  | 750  |      |     | 150                 | 50.0   | 1      | 15      | REC - LCD SCREEN                              | 22      |
| 23      | D.C -FCU-L2-C200-3                            | 15      | 2      | 70.0   | 248                 |      |      |      |      | 177  | 300 | 375                 | 50.0   | 1      | 15      | REC - CLASRRM 210                             | 24      |
| 25      |                                               |         |        |        |                     | 177  | 1050 |      |      |      |     | 150                 | 50.0   | 1      | 15      | REC - AV PROJECTOR                            | 26      |
| 27      | D.C -FCU-L2-208                               | 15      | 2      | 70.0   | 248                 |      |      | 177  | 750  |      |     | 525                 | 50.0   | 1      | 15      | REC - BREAKOUT 209                            | 28      |
| 29      |                                               |         |        |        |                     |      |      |      |      | 177  | 300 | 375                 | 50.0   | 1      | 15      | REC - CLASSROOM 208                           | 30      |
| 31      | D.C - FCU-L2-209                              | 15      | 2      | 70.0   | 248                 | 177  | 150  |      |      |      |     | 150                 | 50.0   | 1      | 15      | REC - LCD SCREEN                              | 32      |
| 33      |                                               |         |        |        |                     |      |      | 177  | 750  |      |     | 75                  | 50.0   | 1      | 15      | REC - AV PROJECTOR                            | 34      |
| 35      | D.C - FFH-L2-207                              | 15      | 1      | 100.0  | 75                  |      |      |      |      | 75   | 600 | 375                 | 50.0   | 1      | 15      | REC - CLASSROOM 208                           | 36      |
| 37      | REC - BREAKOUT 202B                           | 15      | 1      | 50.0   | 525                 | 1050 | 150  |      |      |      |     | 300                 | 50.0   | 1      | 15      | REC - CLASSROOM 201                           | 38      |
| 39      | REC - CLASSROOM 203                           | 15      | 1      | 50.0   | 300                 |      |      | 600  | 600  |      |     | 75                  | 50.0   | 1      | 15      | REC - WATER FOUNTAIN                          | 40      |
| 41      | REC - CLASSROOM 203                           | 15      | 1      | 50.0   | 300                 |      |      |      |      | 600  | 600 | 300                 | 50.0   | 1      | 15      | REC - CLASSROOMS 201                          | 42      |
| 43      | D.C - EF-2                                    | 15      | 1      | 70.0   | 239                 | 342  | 300  |      |      |      |     | 300                 | 50.0   | 1      | 15      | REC - ROOF WP                                 | 44      |
| 45      | D.C - CU-5                                    | 25      | 2      | 100.0  | 4000                |      |      | 2000 | 300  |      |     | 150                 | 50.0   | 1      | 15      | REC - LCD SCREEN                              | 46      |
| 47      |                                               |         |        |        |                     |      |      |      |      | 2000 | 750 | 525                 | 70.0   | 1      | 15      | REC - LCD SCREEN                              | 48      |
| 49      | D.C - CU-7                                    | 60      | 2      | 100.0  | 9400                | 4700 | 300  |      |      |      |     | 150                 | 50.0   | 1      | 15      | D.C - BRANCH SELECTOR                         | 50      |
| 51      |                                               |         |        |        |                     |      |      | 4700 | 450  |      |     | 225                 | 50.0   | 1      | 15      | REC - MEETING 212                             | 52      |
| 53      | D.C - FFH-VEST-200                            | 25      | 2      | 100.0  | 4000                |      |      |      |      | 2000 | 600 | 300                 | 50.0   | 1      | 20      | REC - WP LEVEL 2                              | 54      |
| 55      |                                               |         |        |        |                     | 2000 | 450  |      |      |      |     | 225                 | 50.0   | 1      | 15      | REC - HK CORRIDOR LEVEL 2                     | 56      |
| 57      | D.C - STUDENT WR 207 - AF                     | 15      | 1      | 70.0   | 245                 |      |      | 350  | 150  |      |     | 75                  | 50.0   | 1      | 20      | REC - HK                                      | 58      |
| 59      | D.C - HEATING COIL CONTROLLER                 | 15      | 1      | 70.0   | 420                 |      |      |      |      | 600  | 300 | 150                 | 50.0   | 1      | 20      | REC - EQUIPMENT                               | 60      |
| 61      | D.C - HEATING COIL CONTROLLER                 | 15      | 1      | 70.0   | 630                 | 900  | 150  |      |      |      |     | 75                  | 50.0   | 1      | 15      | REC - HK CORRIDOR LEVEL 2                     | 62      |
| 63      | REC - CLASSROOM 201 - AV PROJECTOR            | 15      | 1      | 50.0   | 75                  |      |      | 150  | 100  |      |     | 70                  | 70.0   | 1      | 15      | REC - STAFF WR 205                            | 64      |
| 65      | REC - CLASSROOM 203 - AV PROJECTOR            | 15      | 1      | 50.0   | 75                  |      |      |      |      | 150  | 50  | 50                  | 100.0  | 1      | 15      | D.C - HD STAFF WR                             | 66      |
| 67      | D.C - HD                                      | 15      | 1      | 70.0   | 70                  | 100  | 600  |      |      |      |     | 420                 | 70.0   | 1      | 15      | DC (70%)                                      | 68      |
| 69      | D.C - ADO                                     | 15      | 1      | 70.0   | 70                  |      |      | 100  | 800  |      |     | 560                 | 70.0   | 1      | 15      | D.C - SH                                      | 70      |
| 71      | REC - ADULT CHANGE TABLE                      | 20      | 1      | 70.0   | 315                 |      |      |      |      | 450  | 800 | 560                 | 70.0   | 1      | 15      | D.C - SH CLASSROOM 203                        | 72      |
| 73      | REC - CLASSROOM 210                           | 15      | 1      | 50.0   | 375                 | 750  | 800  |      |      |      |     | 560                 | 70.0   | 1      | 15      | D.C - SH BREAKOUT 202                         | 74      |
| 75      | REC - CLASSROOMS 203                          | 15      | 1      | 50.0   | 225                 |      |      | 450  | 600  |      |     | 420                 | 70.0   | 1      | 15      | D.C - SH CLASSROOM 201                        | 76      |
| 77      | D.C - SH CLASSROOM 208                        | 15      | 1      | 70.0   | 560                 |      |      |      |      | 800  | 800 | 560                 | 70.0   | 1      | 15      | D.C - SH                                      | 78      |
| 79      | D.C - SH BREAKOUT                             | 15      | 1      | 70.0   | 560                 | 800  | 150  |      |      |      |     | 75                  | 50.0   | 1      | 15      | D.C - SH                                      | 80      |
| 81      | D.C - SH CLASSROOM 210                        | 15      | 1      | 70.0   | 560                 |      |      | 800  |      |      |     |                     |        |        |         | REC - GFI- JAN CLOSET                         | 82      |
| 83      | D.C - SH MEETING 212                          | 15      | 1      | 70.0   | 560                 |      |      |      |      | 800  |     |                     |        |        |         |                                               | 84      |
| 85      | REC - STAIR A                                 | 20      | 1      | 50.0   | 75                  | 150  |      |      |      |      |     |                     |        |        |         |                                               | 86      |
| 87      | Spare                                         | 15      | 1      | --     | 0                   |      |      | 0    | 0    |      |     | 0                   | --     | 1      | 15      | Spare                                         | 88      |
| 89      | Spare                                         | 15      | 1      | --     | 0                   |      |      |      |      | 0    | 0   | 0                   | --     | 1      | 15      | Spare                                         | 90      |
| 91      | Spare                                         | 15      | 1      | --     | 0                   | 0    | 0    |      |      |      |     | 0                   | --     | 1      | 15      | Spare                                         | 92      |
| 93      | Spare                                         | 15      | 1      | --     | 0                   |      |      | 0    | 0    |      |     | 0                   | --     | 1      | 15      | Spare                                         | 94      |
| 95      | Spare                                         | 15      | 1      | --     | 0                   |      |      |      |      | 0    | 0   | 0                   | --     | 1      | 15      | Spare                                         | 96      |

Connection/Breaker Type Legend:

BAS - Building Automation Systems

GFCI - Ground Fault Circuit Interrupter

AFCI - Arc Fault Circuit Interrupter

SPD - Surge Protection Device

BLO - Breaker Lock-On Device

R.C. - Relay Controlled

M - Motor

D.F. - Demand Factor

REC - Receptacle

LTG - Lighting

HID - High Intensity Discharge Lighting Breaker

D.C. - Direct Connection

Panel Options: Refer to Panel Notes for selected Options

1CSA Enclosure Rating

2Feed Through

3Sub Feed

4Main Breaker

5200% Rated Neutral Bus

6Isolated Ground Bus

7Plug in Breaker

8SPD

Estimated Load A [kVA]

Estimated Load B [kVA]

Estimated Load C [kVA]

Total Est. Demand [kVA]

Total Conn. Load [kVA]

Estimated Current A [A]

Estimated Current B [A]

Estimated Current C [A]

Panel Totals

14.55 kVA

14.00 kVA

10.41 kVA

38.96 kVA

50.38 kVA

122 A

118 A

88 A

Panel Parameters

120/208 Wye

3

4

225 A

1

PHASE:

WIREs:

MAINS [A]:

MAIN BREAKER [A], 1 = not required

LC [kA]:

Notes:

1) Panel Enclosure to be Sprinklerproof.

2) Panels greater than 66 circuits shall be double tub.

3) Surge Protection Device (SPD) to be in a separate barrerred enclosure with separate cover.

4) Terminate circuits for BAS in 4"x4" junction box 10' from panel.

ADDENDUM E01

2026.07.22

Panel: RP-2EV

Project Name: STERLING HALL

Project #: 00036.010.E001

Description:

Date:

Location: ELECTRICAL 204

Fed From:

Smith + Andersen

| CCT No. | Connection/Breaker Type - Circuit Description | BKR [A] | Pole s | DF [%] | Estimated Load [VA] | A   |   | B |   | C |   | Estimated Load [VA] | DF [%] | Pole s | BKR [A] | Connection/Breaker Type - Circuit Description | CCT No. |
|---------|-----------------------------------------------|---------|--------|--------|---------------------|-----|---|---|---|---|---|---------------------|--------|--------|---------|-----------------------------------------------|---------|
| 1       | D.C - EV CHARGER GATEWAY                      | 15      | 1      | 100.0  | 100                 | 100 |   |   |   |   |   |                     |        |        |         |                                               | 2       |
| 3       |                                               |         |        |        |                     |     |   | 0 |   |   |   |                     |        |        |         |                                               | 4       |
| 5       | DC (70%) - EVSE L2                            | 20      | 2      | 100.0  | 0                   |     |   |   |   | 0 |   |                     |        |        |         |                                               | 6       |
| 7       |                                               |         |        |        |                     | 0   |   |   |   |   |   |                     |        |        |         |                                               | 8       |
| 9       | DC (70%) - EVSE L2                            | 20      | 2      | 100.0  | 0                   |     |   | 0 |   |   |   |                     |        |        |         |                                               | 10      |
| 11      |                                               |         |        |        |                     |     |   |   |   | 0 |   |                     |        |        |         |                                               | 12      |
| 13      | DC (70%) - EVSE L2                            | 20      | 2      | 100.0  | 0                   | 0   |   |   |   |   |   |                     |        |        |         |                                               | 14      |
| 15      |                                               |         |        |        |                     |     |   | 0 | 0 |   |   | 0                   | --     | 1      | 15      | Spare                                         | 16      |
| 17      | DC (70%) - EVSE L2                            | 20      | 2      | 100.0  | 0                   |     |   |   |   | 0 | 0 | 0                   | --     | 1      | 15      | Spare                                         | 18      |
| 19      |                                               |         |        |        |                     | 0   | 0 |   |   |   |   | 0                   | --     | 1      | 15      | Spare                                         | 20      |
| 21      | DC (70%) - EVSE L2                            | 20      | 2      | 100.0  | 0                   |     |   | 0 | 0 |   |   | 0                   | --     | 1      | 15      | Spare                                         | 22      |
| 23      |                                               |         |        |        |                     |     |   |   |   |   | 0 | 0                   | --     | 1      | 15      | Spare                                         | 24      |
| 25      |                                               |         |        |        |                     |     | 0 |   |   |   |   | 0                   | --     | 1      | 15      | Spare                                         | 26      |
| 27      |                                               |         |        |        |                     |     |   |   | 0 |   |   | 0                   | --     | 1      | 15      | Spare                                         | 28      |
| 29      |                                               |         |        |        |                     |     |   |   |   |   | 0 | 0                   | --     | 1      | 15      | Spare                                         | 30      |

Connection/Breaker Type Legend:

BAS - Building Automation Systems

GFCI - Ground Fault Circuit Interrupter

AFCI - Arc Fault Circuit Interrupter

SPD - Surge Protection Device

BLO - Breaker Lock-On Device

R.C. - Relay Controlled

M - Motor

D.F. - Demand Factor

REC - Receptacle

LTG - Lighting

HID - High Intensity Discharge Lighting Breaker

D.C. - Direct Connection

Panel Options: Refer to Panel Notes for selected Options

1 CSA Enclosure Rating

2 Feed Through

3 Sub Feed

4 Main Breaker

5 200% Rated Neutral Bus

6 Isolated Ground Bus

7 Plug in Breaker

8 SPD

Estimated Load A [kVA]

Estimated Load B [kVA]

Estimated Load C [kVA]

Total Est. Demand [kVA]:

Total Conn. Load [kVA]:

Estimated Current A [A]

Estimated Current B [A]

Estimated Current C [A]

Panel Totals

0.10 kVA

0.00 kVA

0.00 kVA

0.10 kVA

0.10 kVA

1 A

0 A

0 A

Panel Parameters

Voltage

PHASE:

WIRES:

MAINS [A]:

MAIN BREAKER [A], 1 = not required

LC, [kA]:

120/208 Wye

3

4

100 A

1

Notes:

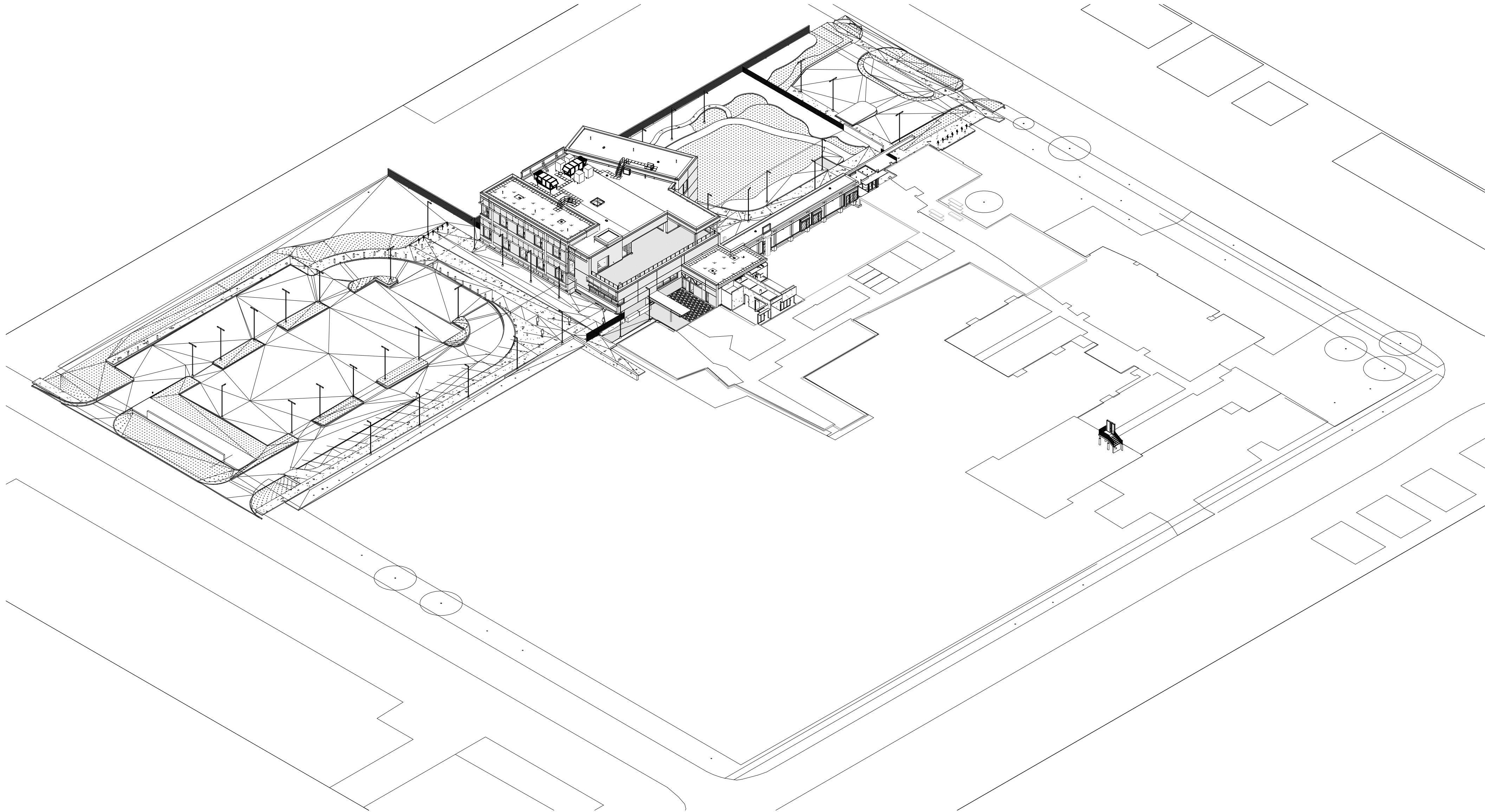
1) Panel Enclosure to be Sprinklerproof.

2) Panels greater than 66 circuits shall be double tub.

3) Surge Protection Device (SPD) to be in a separate barrered enclosure with separate cover.

4) Terminate circuits for BAS in 4"x4" junction box 10' from panel.





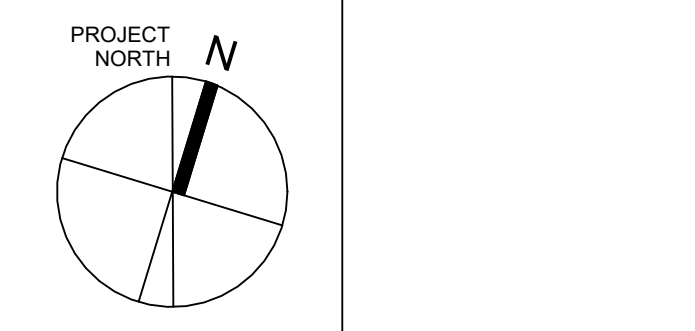
# STERLING HALL

99 Cartwright Avenue, Toronto, ON M6A 1V4

| ELECTRICAL DRAWING LIST |                                                  |       |
|-------------------------|--------------------------------------------------|-------|
| SHEET No.               | SHEET NAME                                       | SCALE |
| E-001                   | COVER & DRAWING LIST - ELECTRICAL                |       |
| E-002                   | ELECTRICAL LEGEND                                |       |
| E-003                   | ELECTRICAL STANDARD DETAILS                      |       |
| E-004                   | ELECTRICAL STANDARD DETAILS                      |       |
| E-203                   | ELECTRICAL STANDARD DETAILS                      |       |
| E-101                   | SITE PLAN - ELECTRICAL                           |       |
| E-201                   | SITE DEMOLITION PLAN - ELECTRICAL                |       |
| E-200                   | SINGLE LINE DIAGRAM                              |       |
| E-201                   | FIRE ALARM AND SECURITY AND COMMS RISER DIAGRAMS |       |
| E-400                   | LOWER LEVEL - POWER AND COMMUNICATIONS           |       |
| E-401                   | GROUND FLOOR - POWER AND COMMUNICATIONS          |       |
| E-401.5                 | GROUND FLOOR UPPER - POWER AND COMMUNICATIONS    |       |
| E-401A                  | OVERALL GROUND FLOOR CONDUIT ROUTING             |       |
| E-402                   | SECOND FLOOR - POWER AND COMMUNICATIONS          |       |
| E-403                   | LEVEL ROOF - POWER AND COMMUNICATIONS            |       |
| E-500                   | LOWER LEVEL - LIGHTING                           |       |
| E-501                   | GROUND FLOOR - LIGHTING                          |       |
| E-501.5                 | UPPER GROUND FLOOR - LIGHTING                    |       |
| E-502                   | SECOND LEVEL - LIGHTING                          |       |
| E-600                   | LOWER LEVEL - SECURITY                           |       |
| E-601                   | GROUND FLOOR - SECURITY                          |       |
| E-601.5                 | UPPER GROUND FLOOR - SECURITY                    |       |
| E-602                   | SECOND FLOOR - SECURITY                          |       |
| E-603                   | LEVEL ROOF - SECURITY                            |       |
| E-700                   | LOWER LEVEL - FIRE ALARM                         |       |
| E-701                   | GROUND FLOOR - FIRE ALARM                        |       |
| E-701.5                 | UPPER GROUND FLOOR - FIRE ALARM                  |       |
| E-702                   | SECOND FLOOR - FIRE ALARM                        |       |
| E-703                   | LEVEL ROOF - FIRE ALARM                          |       |
| E-801                   | GROUND FLOOR - DEMO PLAN                         |       |
| E-800                   | PART PLANS - ELECTRICAL                          |       |
| E-801                   | PART PLANS - COMMUNICATIONS                      |       |
| E-802                   | PART PLANS - STAIRS LIGHTING                     |       |
| E-803                   | PART PLANS - GROUND LEVEL CORRIDOR               |       |

| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025.11.05 | ISSUED FOR 15%CD           |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2026.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026.06.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.482.5002<br>Fax: 416.482.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1900<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |



STERLING HALL

99 Cartwright Avenue, Toronto, ON M6A 1V4

COVER & DRAWING LIST - ELECTRICAL

scale:

date: XX/XX/2X

drawn: RLJG

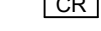
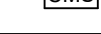
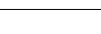
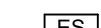
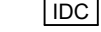
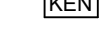
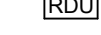
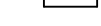
checked by: Checker

project number: 00036.010.E001

drawing number: E-001

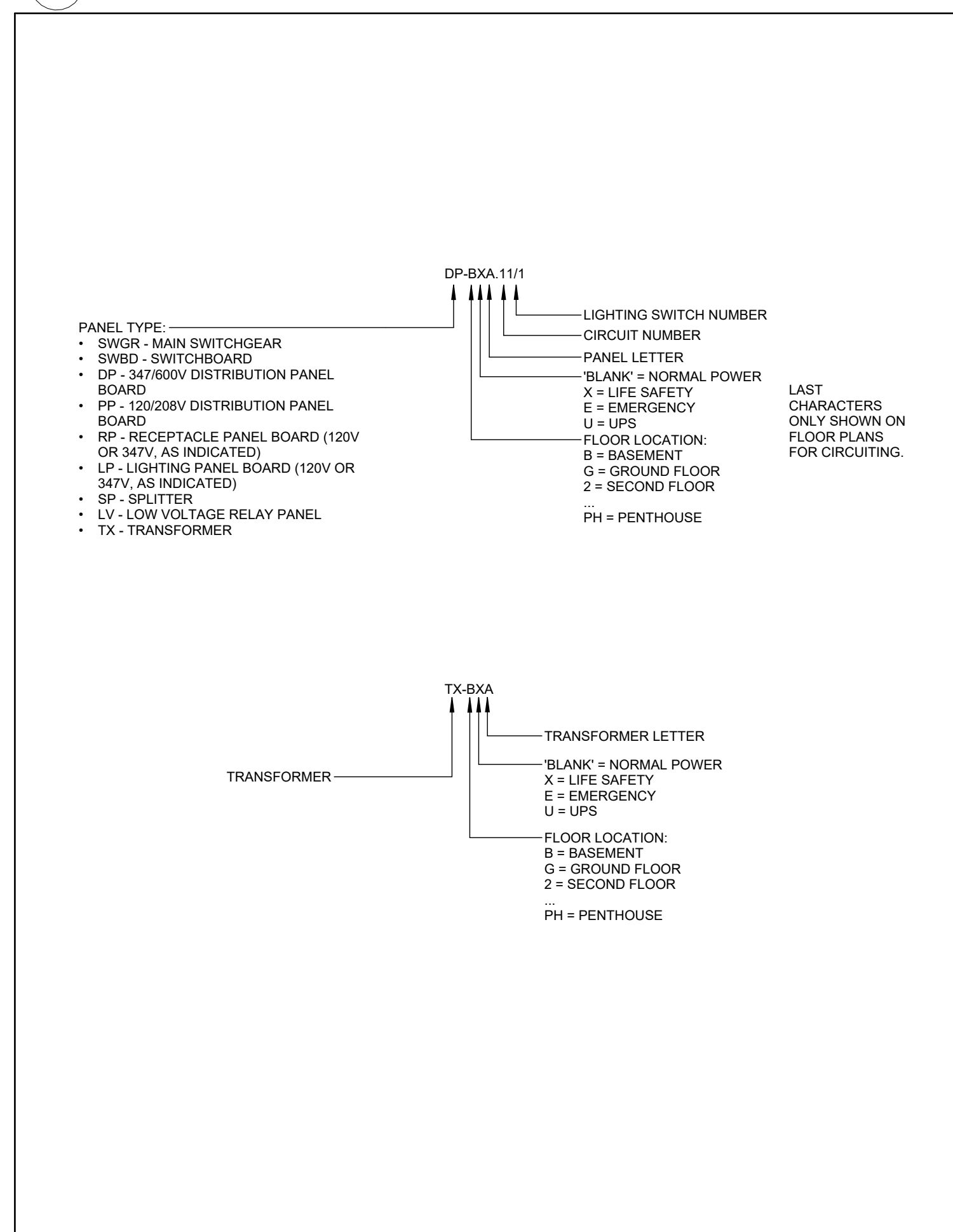
Revision: 8



| SYMBOL                                                                                       | DESCRIPTION                    | SYMBOL                                                                                        | DESCRIPTION                        |
|----------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------|
| ACCESS CONTROL                                                                               |                                |                                                                                               |                                    |
|  <b>ACP</b> | ACCESS CONTROL SYSTEM PANEL    |  <b>KS</b>   | KEY SWITCH                         |
|  <b>ACS</b> | ACCESS CONTROL SYSTEM SERVER   |  <b>LBM</b>  | LATCH BOLT MONITOR                 |
|  <b>ADO</b> | AUTOMATIC DOOR OPERATOR        |  <b>LRX</b>  | LATCH REQUEST TO EXIT              |
|  <b>CR</b>  | CARD READER                    |  <b>MKR</b>  | MAGLOCK KEY RESET SWITCH           |
|  <b>CMS</b> | CENTRAL MANAGEMENT STATION     |  <b>MHO</b>  | MAGNETIC DOOR HOLD/OPEN DEVICE     |
|  <b>DA</b>  | DOOR ALARM                     |  <b>ML</b>   | MAGNETIC LOCK                      |
|  <b>DC</b>  | DOOR CONTACT                   |  <b>MRX</b>  | MOTION REQUEST TO EXIT             |
|  <b>EHO</b> | ELECTRIC DOOR HOLD/OPEN DEVICE |  <b>P</b>    | PUSH BUTTON DOOR OPERATOR          |
|  <b>ELR</b> | ELECTRIC LATCH RETRACTION      |  <b>PRX</b>  | PUSH BUTTON REQUEST TO EXIT        |
|  <b>ELM</b> | ELECTRIC MORTISE LOCK          |  <b>PL</b>   | PUSH BUTTON TO LOCK                |
|  <b>ES</b>  | ELECTRIC STRIKE                |  <b>RR</b>   | REMOTE RELEASE                     |
|  <b>GTW</b> | GATEWAY                        |  <b>RFN</b>  | RF NODE                            |
|  <b>IDC</b> | IP DOOR CONTROLLER             |  <b>RFR</b>  | RF RECEIVER                        |
|  <b>KEN</b> | KEY ENCODER                    |  <b>XX</b>   | SECURITY DOOR TAG .XX DENOTES TYPE |
|                                                                                              |                                |  <b>WL</b>   | WIRELESS LOCK                      |
| REAL TIME LOCATING SYSTEM (RTLS)                                                             |                                |                                                                                               |                                    |
|  <b>LFE</b> | LOW FREQUENCY EXCITER          |  <b>RFM</b>  | RF READER MASTER                   |
|  <b>IRR</b> | INFRARED READER                |  <b>RF</b>   | RF READER                          |
|  <b>RDU</b> | REMOTE DISPLAY UNIT            |  <b>RFET</b> | RF ETHERNET READER                 |
|  <b>LAR</b> | LOCAL AREA RECEIVER            |  <b>RLR</b>  | RF LONG RANGE READER               |

NOTE: NOT ALL SYMBOLS APPLY, REFERRING TO DRAWINGS

13 SECURITY LEGEND 1 OF 2



## 14 DESIGNATION DIAGRAM

| SYMBOL                                                                              | DESCRIPTION             | SYMBOL                                                                              | DESCRIPTION                                              |
|-------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------|
| ELECTRONIC PERSONAL PROTECTION                                                      |                         |                                                                                     |                                                          |
|  | EMERGENCY PHONE STATION |  | DURESS ALARM STATION                                     |
|  | STROBE LIGHT            |  | PANIC ALARM RECEIVER                                     |
|  | PANIC BUTTON            |  | ASSISTANCE REQUIRED SIGNAGE                              |
| INTERCOM LEGEND                                                                     |                         |                                                                                     |                                                          |
|  | INTERCOM                |  | MASTER INTERCOM                                          |
|  | ENTRY PHONE CONSOLE     |                                                                                     |                                                          |
| VIDEO SURVEILLANCE                                                                  |                         |                                                                                     |                                                          |
|  | FIXED CAMERA            |  | VIDEO SURVEILLANCE SYSTEM SERVER                         |
|  | PAN-TILT-ZOOM CAMERA    |  | POWER INJECTOR                                           |
|  | DIGITAL VIDEO RECORDER  |  | FIXED VIDEO SURVEILLANCE CAMERA HORIZONTAL ANGLE OF VIEW |
|  | NETWORK VIDEO RECORDER  |  | LCD MONITOR SIZE AS INDICATED                            |
|                                                                                     |                         |                                                                                     |                                                          |
|                                                                                     |                         |                                                                                     |                                                          |
| INTRUSION DETECTION                                                                 |                         |                                                                                     |                                                          |
|  | SIREN                   |  | INTRUSION DETECTION SYSTEM PANEL                         |
|  | BREAK GLASS SENSOR      |  | POWER SUPPLY                                             |
|  | MOISTURE SENSOR         |  | SECURITY MOTION SENSOR                                   |
|  | KEYPAD                  |  | SECURITY 360° MOTION SENSOR                              |
|                                                                                     |                         |                                                                                     |                                                          |

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

## 15 SECURITY LEGEND 2 OF 2

DRAWING LAST EDITED: 2026-07-22 2:30:29 PM

| SYMBOL                                                                            | DESCRIPTION                                                                                                   | SYMBOL                                                                            | DESCRIPTION                                                                                                               |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>SIGNALING DEVICES</b>                                                          |                                                                                                               |                                                                                   |                                                                                                                           |
|  | CEILING MOUNTED HORN                                                                                          |  | WALL MOUNTED FIRE ALARM BELL. 103mm (4") UNLESS OTHERWISE NOTED                                                           |
|  | WALL MOUNTED HORN                                                                                             |  | WALL MOUNTED FIRE ALARM BELL+STROBE COMBINATION.                                                                          |
|  | CEILING MOUNTED DOUBLE SIDED HORN                                                                             |  | SPEAKER HORN                                                                                                              |
|  | WALL MOUNTED DOUBLE SIDED HORN                                                                                |  | CEILING MOUNTED EMERGENCY EVACUATION SPEAKER                                                                              |
|  | CEILING MOUNTED HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED              |  | WALL MOUNTED EMERGENCY EVACUATION SPEAKER                                                                                 |
|  | WALL MOUNTED HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED                 |  | CEILING MOUNTED EMERGENCY EVACUATION SPEAKER+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED. |
|  | CEILING MOUNTED DOUBLE SIDED HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN 15CD UNLESS OTHERWISE NOTED. |  | WALL MOUNTED EMERGENCY EVACUATION SPEAKER+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.    |
|  | WALL MOUNTED DOUBLE SIDED HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN 15CD UNLESS OTHERWISE NOTED.    |  | CEILING MOUNTED FIRE ALARM STROBE. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.                               |
|  | MINI HORN                                                                                                     |  | WALL MOUNTED FIRE ALARM STROBE. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.                                  |
| <b>ANCILLARY DEVICES</b>                                                          |                                                                                                               |                                                                                   |                                                                                                                           |
|  | ISOLATION MODULE                                                                                              |  | MONITORING MODULE FOR ALARM OR SUPERVISORY                                                                                |
|  | FIELD INSTALLED ADDRESSABLE CONTROL POINT                                                                     |  | TROUBLE AND ALARM CONNECTION TO PRE-ACTION CONTROL PANEL                                                                  |
|  | FIRE ALARM CONTROL PANEL (FACP)                                                                               |  | FLOOR MOUNTED DOOR HOLD OPEN DEVICE                                                                                       |
|  | FIRE ALARM GRAPHIC (PASSIVE/ACTIVE)                                                                           |  | WALL MOUNTED DOOR HOLD OPEN DEVICE                                                                                        |
|  | VIDEO DISPLAY TERMINAL. FOR BUILDING OPERATIONS PERSONNEL                                                     |  | FIRE ALARM PANEL CONTROL, DGP OR ANNUNCIATOR AS NOTED                                                                     |
|  | FIRE FIGHTERS HAND SET                                                                                        |  | END-OF-LINE RESISTOR TERMINATION                                                                                          |
|  | FIRE ALARM SHUT DOWN                                                                                          |  | SMOKE DAMPER, USED IN CONJUNCTION WITH MONITORING DEVICES FOR POSITION ANNUNCIATION AND CONTROL. DEVICE                   |
|  | FIRE ALARM START UP                                                                                           |  | 10 MINUTES SILENCE SWITCH FOR SPEAKERS IN SUITES                                                                          |
|  | REMOTE TESTING STATION FOR DUCT SMOKE DETECTORS                                                               | NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS                                    |                                                                                                                           |

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

10 FIRE ALARM LEGEND 2 OF 2

| SYMBOL | DESCRIPTION                                                                          | SYMBOL | DESCRIPTION                                                                               |
|--------|--------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|
|        | ISOLATION TRANSFORMER - DELTA-WYE UNLESS OTHERWISE NOTED.                            |        | AUTO-TRANSFORMER                                                                          |
|        | ISOLATION TRANSFORMER WITH ELECTROSTATIC SHIELD - DELTA-WYE UNLESS OTHERWISE NOTED.  |        | BATTERY                                                                                   |
|        | MOLDED CASE CIRCUIT BREAKER, SIZE AS SHOWN.                                          |        | CONTRACTOR                                                                                |
|        | LOW VOLTAGE DRAW-OUT CIRCUIT BREAKER, TRIP PLUG AND FRAME SIZE AS SHOWN.             |        | CURRENT TRANSFORMER                                                                       |
|        | DRAW-OUT VACUUM CIRCUIT BREAKER, PROTECTIVE RELAY FUNCTIONS AND FRAME SIZE AS SHOWN. |        | CURRENT TRANSFORMER (Z.S. - DENOTES ZERO SEQUENCE)                                        |
|        | FUSIBLE CAD BREAKER ISOLATION SWITCH, VOLTAGE, FUSE AND FRAME SIZE AS SHOWN.         |        | GROUND FAULT ALARM RELAY                                                                  |
|        | FUSE                                                                                 |        | IP BASED POWER QUALITY DIGITAL METER, PROVIDE 24vdc(4-1) CONDUIT TO NEAREST TELECOM ROOM. |
|        | INSULATED CASE CIRCUIT BREAKER                                                       |        | EMERGENCY GENERATOR                                                                       |
|        | INTEGRAL BREAKER AND STARTER UNIT, BREAKER AND FRAME SIZE AS SHOWN.                  |        | GROUND CONNECTION POINT                                                                   |
|        | INTEGRAL SWITCH AND FUSE UNIT, FUSE AND FRAME SIZE AS SHOWN.                         |        | ELECTRONIC TRIP SETTING CONTROL (GROUND FAULT)                                            |
|        | LOAD BREAK ISOLATION SWITCH, VOLTAGE AND FRAME SIZE AS SHOWN.                        |        | GROUND LOOP                                                                               |
|        | AUTOMATIC TRANSFER SWITCH-WITH BY-PASS                                               |        | HIGH RESISTANCE GROUND FAULT SYSTEM                                                       |
|        | AUTOMATIC TRANSFER SWITCH-WITHOUT BY-PASS                                            |        | LIGHTNING SURGE ARRESTOR                                                                  |
|        | FIRE PUMP AUTOMATIC TRANSFER SWITCH AND STARTER UNIT (BY OTHERS)                     |        | LOAD BANK                                                                                 |
|        | MANUAL TRANSFER SWITCH OR DOUBLE THROW SWITCH                                        |        | METERING SOCKET                                                                           |
|        |                                                                                      |        | METERING CABINET                                                                          |
|        |                                                                                      |        | DIGITAL ELECTRONIC METER                                                                  |
|        |                                                                                      |        | AMMETER                                                                                   |

NOTE: NOT ALL SYMBOLS APPLY, REFER TO DRAWINGS

11 SINGLE LINE 1 OF 2

[illegible]

12 SINGLE LINE 2 OF 2

[illegible]

7 LIGHTING LEGEND 2 OF 2

| SYMBOL      | DESCRIPTION                                                                                   | SYMBOL      | DESCRIPTION                                                                                                                                          |
|-------------|-----------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | WALL MOUNTED DUPLEX RECEPTACLE<br>120V, 15 AMP, CSA 5-15R                                     |             | WALL MOUNTED SIMPLEX RECEPTACLE<br>250V, 50 AMP, CSA 14-60R                                                                                          |
|             | WALL MOUNTED ABOVE COUNTER DUPLEX<br>RECEPTACLE 120V, 15 AMP, CSA 5-15R                       |             | WALL MOUNTED COMBINATION<br>COMMUNICATION / DUPLEX<br>RECEPTACLE 120V, 15 AMP, CSA 5-15R.<br>REFER TO CORRESPONDING DETAIL                           |
|             | WALL MOUNTED DUPLEX RECEPTACLE<br>120V, 20 AMP, CSA 5-20R (15/0.07)                           |             | FLOOR OR CEILING MOUNTED (AS SHOWN)<br>COMBINATION COMMUNICATION /<br>DUPLEX RECEPTACLE 120V, 15 AMP,<br>CSA 5-15R. REFER TO CORRESPONDING<br>DETAIL |
|             | WALL MOUNTED ABOVE COUNTER DUPLEX<br>RECEPTACLE 120V, 15 AMP, CSA 5-15R, DEDICATED<br>CIRCUIT |             | FLOOR POKE THROUGH COMBINATION<br>COMMUNICATION / DUPLEX<br>RECEPTACLE 120V, 15 AMP, CSA 5-15R.<br>REFER TO CORRESPONDING DETAIL                     |
|             | WALL MOUNTED SPLIT SWITCH<br>CONTROLLED DUPLEX RECEPTACLE 120V,<br>15 AMP, CSA 5-15R          |             | WALL MOUNTED COMBINATION<br>COMMUNICATION / DUPLEX<br>RECEPTACLE 120V, 15 AMP, CSA 5-15R. REFER TO<br>CORRESPONDING DETAIL                           |
|             | WALL MOUNTED DUPLEX GROUND FAULT<br>RECEPTACLE 120V, 15 AMP, CSA 5-15R                        |             | FLOOR OR CEILING MOUNTED (AS SHOWN)<br>COMBINATION COMMUNICATION / DUPLEX<br>RECEPTACLE 120V, 15 AMP, CSA 5-15R.<br>REFER TO CORRESPONDING DETAIL    |
|             | WALL MOUNTED ABOVE COUNTER DUPLEX<br>GROUND FAULT RECEPTACLE 120V, 15 AMP,<br>CSA 5-15R       |             | FLOOR POKE THROUGH COMBINATION<br>COMMUNICATION / DUPLEX RECEPTACLE<br>120V, 15 AMP, CSA 5-15R. REFER TO<br>CORRESPONDING DETAIL                     |
|             | WALL MOUNTED DUPLEX GROUND FAULT<br>RECEPTACLE 120V, 20 AMP, CSA 5-20R                        |             |                                                                                                                                                      |
| 15A 20A<br> | WALL MOUNTED DUPLEX RECEPTACLE<br>120V, 15 AMP/20AMP, CSA 5-15R/CSA 5-20R                     |             | FLOOR POKE THROUGH COMBINATION<br>COMMUNICATION / DUPLEX RECEPTACLE<br>120V, 15 AMP, CSA 5-15R. REFER TO<br>CORRESPONDING DETAIL                     |
| 15A 20A<br> | WALL MOUNTED ABOVE COUNTER<br>DUPLEX RECEPTACLE 120V, 15<br>AMP/20AMP, CSA 5-15R/CSA 5-20R    | 15A 20A<br> | CEILING MOUNTED DUPLEX RECEPTACLE<br>120V, 15 AMP / 20 AMP, CSA 5-15R                                                                                |
|             | WALL MOUNTED DUPLEX RECEPTACLE<br>120V, 15 AMP, 2 POLE, SPLIT CIRCUIT                         |             | CEILING MOUNTED SIMPLEX<br>RECEPTACLE 120V, 15 AMP, CSA 5-15R                                                                                        |
|             | WALL MOUNTED SIMPLEX RECEPTACLE<br>250V, 15 AMP, 1 PHASE, 2 POLE, SPLIT<br>CIRCUIT            | 15A 20A<br> | CEILING MOUNTED DUPLEX RECEPTACLE<br>120V, 15 AMP / 20 AMP, CSA 5-15R                                                                                |
|             | SPECIAL RECEPTACLE TYPE AND DETAILS<br>AS NOTED ON DRAWING                                    |             | FLOOR MOUNTED DUPLEX RECEPTACLE<br>120V, 15 AMP, CSA 5-15R                                                                                           |
|             | WALL MOUNTED ABOVE COUNTER SIMPLEX<br>RECEPTACLE 120V, 15 AMP, CSA 5-15R                      |             | FLOOR MOUNTED DUPLEX RECEPTACLE<br>120V, 15 AMP, CSA 5-15R                                                                                           |
|             | WALL MOUNTED SIMPLEX RECEPTACLE<br>120V, 20 AMP, CSA 5-20R                                    |             | RACEWAY RECEPTACLE TYPE AS<br>SPECIFIED ON C/W QUANTITY OF DEVICES<br>INDICATED                                                                      |
|             | WALL MOUNTED SIMPLEX RECEPTACLE<br>250V, 30 AMP, CSA 14-60R                                   |             | SERVICE POLE, TYPE AS SPECIFIED C/W<br>QUANTITY OF DEVICES INDICATED                                                                                 |
|             | WALL MOUNTED SIMPLEX RECEPTACLE<br>120V, 30 AMP, CSA 5-30R                                    |             |                                                                                                                                                      |

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

## 8 POWER LEGEND 1 OF 2

| SYMBOL | DESCRIPTION                                                                                                                                      | SYMBOL | DESCRIPTION                                                                     |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------|
|        | FLUSH MOUNTED SINGLE TUB PANEL RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE                                                                     |        | CONTACTOR                                                                       |
|        | FLUSH MOUNTED DOUBLE TUB PANEL RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE                                                                     |        | GROUND ROD WITH INSPECTION PIT                                                  |
|        | SURFACE MOUNTED SINGLE TUB PANEL RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE                                                                   |        | THERMOSTAT - 16mm (1/2") CONDUIT TO ACCESSIBLE CEILING SPACE                    |
|        | SURFACE MOUNTED DOUBLE TUB PANEL RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE                                                                   |        | JUNCTION BOX (SIZE SPECIFIED ON DRAWING)                                        |
|        | TRANSFORMER (SIZE NOTED ON SINGLE LINE DIAGRAM)                                                                                                  |        | ELECTRIC UNIT HEATER                                                            |
|        | DISCONNECT                                                                                                                                       |        | ELECTRIC BASEBOARD HEATER. "X" DENOTES TYPE. REFER TO BASEBOARD HEATER SCHEDULE |
|        | COMBINATION MANUAL STARTER WITH INTEGRAL DISCONNECT                                                                                              |        | GROUND BAR                                                                      |
|        | COMBINATION STARTER WITH INTEGRAL DISCONNECT                                                                                                     |        | HAND DRYER HARD WIRED CONNECTION                                                |
|        | DIRECT CONNECTION                                                                                                                                |        | METER                                                                           |
|        | DIRECT CONNECTION C/W DISCONNECT                                                                                                                 |        | RELAY                                                                           |
|        | MOTOR AND DISCONNECT                                                                                                                             |        | PULL BOX                                                                        |
|        | MOTOR AND RELAY DISCONNECT                                                                                                                       |        | GROUND BUS                                                                      |
|        | MOTOR AND COMBINATION STARTER WITH INTEGRAL DISCONNECT                                                                                           |        | DENOTES RECEPTACLE TYPE. REFER TO RECEPTACLE SCHEDULE                           |
|        | VARIABLE FREQUENCY DRIVE AND VFD LOAD SIDE WIRING OF HARMONIC FILTER AND VFD BY ELECTRICAL CONTRACTOR                                            |        | UTILITY METERING CABINET                                                        |
|        | CABLE VFD AND HARMONIC FILTER SUPPLIED BY MECHANICAL DIVISION                                                                                    |        | DOOR BELL / CHIME                                                               |
|        | VARIABLE FREQUENCY DRIVE, LINE AND LOAD SIDE WIRING OF HARMONIC FILTER AND VFD BY ELECTRICAL CONTRACTOR                                          |        | CLOCK WALL MOUNTED                                                              |
|        | CABLE VFD AND HARMONIC FILTER SUPPLIED BY MECHANICAL DIVISION                                                                                    |        | CLOCK CEILING MOUNTED                                                           |
|        | HARMONIC FILTER (SUPPLIED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE) LINE AND LOAD SIDE WIRING OF HARMONIC FILTER BY ELECTRICAL CONTRACTOR |        | PUSH BUTTON                                                                     |
|        |                                                                                                                                                  |        | SOLAR PANEL                                                                     |

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

9 POWER LEGEND 2 OF 2

[illegible]

#### 4 DATA/COMMUNICATIONS

| SYMBOL | DESCRIPTION                                                                                         | SYMBOL | DESCRIPTION                                                                                               |
|--------|-----------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------|
|        | CEILING MOUNTED LINEAR LUMINAIRE. DIMENSIONS AS SHOWN. REFER TO SCHEDULE FOR TYPE.                  |        | CEILING MOUNTED WALL WASHER LUMINAIRE. ILLUMINATION DIRECTION DENOTED BY HATCHED SIDE.                    |
|        | DENOTES FIXTURE ON EMERGENCY-NIGHT LIGHT CIRCUIT.                                                   |        | CEILING MOUNTED TRACK LIGHTING. C/W NUMBER OF FIXTURES.                                                   |
|        | WALL MOUNTED LINEAR LUMINAIRE. DIMENSIONS AS SHOWN. REFER TO SCHEDULE FOR TYPE.                     |        | WALL MOUNTED LUMINAIRE.                                                                                   |
|        | EXISTING LUMINAIRE TO BE REMOVED.                                                                   |        | PENDANT FIXTURE.                                                                                          |
|        | EXISTING LUMINAIRE TO REMAIN.                                                                       |        | CEILING MOUNTED LUMINAIRE.                                                                                |
|        | CEILING MOUNTED LUMINAIRE WITH GIMBALLED HEADS. REFER TO SCHEDULE FOR TYPE AND NUMBER OF HEADS.     |        | FLOOR MOUNTED LUMINAIRE.                                                                                  |
|        | VERTICAL WALL MOUNTED FLUORESCENT LUMINAIRE.                                                        |        | BOLLARD LUMINAIRE.                                                                                        |
|        | CONTINUOUS STRIP LIGHT. REFER TO SCHEDULE FOR FIXTURE TYPE.                                         |        | POLE MOUNTED LUMINAIRE. NUMBER OF HEADS SHOWN. REFER TO SCHEDULE FOR FIXTURE AND POLE TYPE.               |
|        | WALL MOUNTED NIGHT LIGHT. REFER TO SCHEDULE FOR TYPE.                                               |        |                                                                                                           |
|        |                                                                                                     |        |                                                                                                           |
|        |                                                                                                     |        |                                                                                                           |
|        |                                                                                                     |        |                                                                                                           |
|        |                                                                                                     |        |                                                                                                           |
|        |                                                                                                     |        |                                                                                                           |
|        |                                                                                                     |        |                                                                                                           |
|        |                                                                                                     |        |                                                                                                           |
|        | RECESSED CEILING MOUNTED REMOTE ADJUSTABLE LUMINAIRE. CONNECTED TO EMERGENCY LIGHTING BATTERY UNIT. |        | EMERGENCY LIGHTING BATTERY UNIT. C/W NUMBER OF HEADS SHOWN. COMPLETED W/ DIRECT CONNECTION OR RECEPTACLE. |
|        | WALL MOUNTED EMERGENCY SINGLE REMOTE HEAD.                                                          |        | EMERGENCY LIGHTING BATTERY UNIT.                                                                          |
|        | WALL MOUNTED EMERGENCY DOUBLE REMOTE HEAD.                                                          |        | EMERGENCY LIGHTING BATTERY UNIT.                                                                          |
|        | CEILING MOUNTED EMERGENCY SINGLE REMOTE HEAD.                                                       |        | EMERGENCY LIGHTING BATTERY UNIT. C/W NUMBER OF HEADS SHOWN.                                               |
|        | CEILING MOUNTED EMERGENCY DOUBLE REMOTE HEAD.                                                       |        | EXIT LIGHT. CEILING MOUNTED. C/W FACES AND ARROWS AS INDICATED.                                           |
|        |                                                                                                     |        | EXIT LIGHT. WALL MOUNTED. C/W FACES AND ARROWS AS INDICATED.                                              |

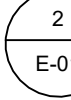
NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

## 5 LIGHTING LEGEND 1 OF 2

| SYMBOL                                                                                | DESCRIPTION                                                   | SYMBOL                                                                                | DESCRIPTION                                                    |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------|
| ALARM INITIATING DEVICES                                                              |                                                               |                                                                                       |                                                                |
|  | CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR                 |  | AIR SAMPLING SYSTEM                                            |
|  | WALL MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR                    |  | MANUAL STATION                                                 |
|  | CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR WITH RELAY BASE |  | BEAM SMOKE DETECTOR (TRANSMITTER)                              |
|  | CEILING MOUNTED RATE-OF-RISE HEAT DETECTOR                    |  | BEAM SMOKE DETECTOR (RECEIVER)                                 |
|  | WALL MOUNTED RATE-OF-RISE HEAT DETECTOR                       |  | FLAME DETECTOR                                                 |
|  | CEILING MOUNTED FIXED TEMPERATURE HEAT DETECTOR               |                                                                                       |                                                                |
|  | WALL MOUNTED FIXED TEMPERATURE HEAT DETECTOR                  |                                                                                       |                                                                |
|  | DUCT TYPE PHOTO-ELECTRIC SMOKE DETECTOR                       |                                                                                       |                                                                |
|  | DUCT TYPE PHOTO-ELECTRIC SMOKE DETECTOR COMPLETE WITH HEATER  |                                                                                       |                                                                |
|  | CEILING MOUNTED COMBINATION HEAT + SMOKE DETECTOR             |                                                                                       |                                                                |
| LOCAL ALARM DEVICES                                                                   |                                                               |                                                                                       |                                                                |
|  | LOCAL 120V SMOKE ALARM                                        |  | LOCAL 120V COMBINATION SMOKE ALARM AND STROBE                  |
|  | LOCAL 120V COMBINATION CARBON MONOXIDE AND SMOKE ALARM        |  | LOCAL 120V COMBINATION CARBON MONOXIDE, SMOKE ALARM AND STROBE |
|  | LOCAL 120V CARBON MONOXIDE ALARM                              |                                                                                       |                                                                |
| SPRINKLER/STANDPIPE DEVICES                                                           |                                                               |                                                                                       |                                                                |
|  | LOW PRESSURE SUPERVISED SWITCH (SUPPLIED BY OTHERS)           |  | ALARM DRY PIPE VALVE (SUPPLIED BY OTHERS)                      |
|  | SPRINKLER SUPERVISED VALVE (SUPPLIED BY OTHERS)               |                                                                                       |                                                                |
|  | ALARM FLOW SWITCH (SUPPLIED BY OTHERS)                        |                                                                                       |                                                                |
|  | ALARM PRESSURE SWITCH (SUPPLIED BY OTHERS)                    |                                                                                       |                                                                |
|  | ALARM CHECK VALVE (SUPPLIED BY OTHERS)                        |                                                                                       |                                                                |

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

6 FIRE ALARM LEGEND 1 OF 2

| SYMBOL                                                                              |                                  | DESCRIPTION | SYMBOL                                                                              |                 | DESCRIPTION |
|-------------------------------------------------------------------------------------|----------------------------------|-------------|-------------------------------------------------------------------------------------|-----------------|-------------|
|  | DETAIL NUMBER                    |             |  | DRAWING NUMBER  |             |
|  | REVISION NUMBER                  |             |  | REVISION BUBBLE |             |
| A                                                                                   | AMPS                             | MO          | MOTOR OPERATED                                                                      |                 |             |
| AD                                                                                  | ACCESS DOOR                      | MCD         | MOTOR OPERATED DAMPER                                                               |                 |             |
| AFCI                                                                                | ARC FAULT CIRCUIT INTERRUPTER    | MM          | MICROWAVE                                                                           |                 |             |
| AFF                                                                                 | ABOVE FINISHED FLOOR             | N           | NEW                                                                                 |                 |             |
| BBH                                                                                 | BASEBOARD HEATER                 | NC          | NORMALLY CLOSED                                                                     |                 |             |
| BU                                                                                  | BATTERY UNIT                     | NC          | NOT IN CONTRACT                                                                     |                 |             |
| C                                                                                   | CONDUIT                          | NL          | NIGHT LIGHT                                                                         |                 |             |
| CO                                                                                  | CANDELA                          | NO          | NORMALLY OPEN                                                                       |                 |             |
| CL                                                                                  | CEILING MOUNTED                  | OC          | OVER COUNTER                                                                        |                 |             |
| CS                                                                                  | CHARGING STATION                 | OL          | OBSTRUCTION LIGHT                                                                   |                 |             |
| CV                                                                                  | CONVENTIONAL STYLE DEVICE        | P           | PARABOLIC LOUVRE                                                                    |                 |             |
| D                                                                                   | DEDICATED                        | PL          | PATIENT LIFT                                                                        |                 |             |
| DS                                                                                  | DEDICATED GROUND                 | R           | RELOCATE                                                                            |                 |             |
| DHWT                                                                                | DOMESTIC HOT WATER TANK          | RA          | RANGE                                                                               |                 |             |
| DNC                                                                                 | DEDICATED NEUTRAL + BOND         | RC          | REVISE EXISTING CIRCUIT                                                             |                 |             |
| DR                                                                                  | LAUNDRY DRYER                    | RH          | RANGE HOOD                                                                          |                 |             |
| DW                                                                                  | DISHWASHER                       | RC          | ROUGH IN AND CONNECT                                                                |                 |             |
| E                                                                                   | EXISTING                         | RO          | ROUGH IN ONLY                                                                       |                 |             |
| EF                                                                                  | EXHAUST FAN                      | RR          | REMOVE AND REINSTALL                                                                |                 |             |
| EM                                                                                  | EMERGENCY CIRCUIT                | SC          | SEPARATE CIRCUIT                                                                    |                 |             |
| EP                                                                                  | ELECTRICAL SUITE PANEL           | SF          | SUITE FURNITURE                                                                     |                 |             |
| ER                                                                                  | EXISTING TO BE REMOVED           | SP          | SUITE ALARM PANEL                                                                   |                 |             |
| F                                                                                   | REFRIGERATOR                     | SSP         | SLAVE SUITE ALARM PANEL                                                             |                 |             |
| FF                                                                                  | FLOOR FEED                       | TVF         | TYPE                                                                                |                 |             |
| FFH                                                                                 | FORCE FLOW HEATER                | UC          | UNDER CABINET MOUNTED                                                               |                 |             |
| FL                                                                                  | FLOOR MOUNTED                    | U           | UPS CIRCUIT                                                                         |                 |             |
| GFI                                                                                 | GROUND FAULT CIRCUIT INTERRUPTER | UH          | UNIT HEATER                                                                         |                 |             |
| GFI                                                                                 | GROUND FAULT CIRCUIT INTERRUPTER | UPS         | UNINTERRUPTIBLE POWER SUPPLY                                                        |                 |             |
| SPD                                                                                 | GROUND -                         | V           | VOLTS                                                                               |                 |             |
| HK                                                                                  | HAND DRYER                       | V           | VOLTS                                                                               |                 |             |
| HK                                                                                  | HOUSE KEEPING                    | WG          | WIRE GUARD                                                                          |                 |             |
| HMT                                                                                 | HARMONIC MITIGATING TRANSFORMER  | WAP         | WIRELESS ACCESS POINT                                                               |                 |             |
| IE                                                                                  | ICE MACHINE                      | WF          | WALL FEED                                                                           |                 |             |
| IG                                                                                  | ISOLATED GROUND                  | WP          | WEATHERPROOF                                                                        |                 |             |
| JB                                                                                  | JUNCTION BOX                     | X           | EXPLOSION PROOF DEVICE + BACK BOX                                                   |                 |             |
| KW                                                                                  | KILOWATTS                        | ZSCT        | ZERO SEQUENCE CURRENT TRANSFORMER                                                   |                 |             |
| LV                                                                                  | LOW VOLTAGE                      |             |                                                                                     |                 |             |

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

## 1 GENERAL, SYMBOLS AND ABBREVIATIONS

| ABBREVIATIONS |                                                                                                                                                                                                      |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E             | EXISTING TO REMAIN                                                                                                                                                                                   |
| ER            | EXISTING TO BE REMOVED                                                                                                                                                                               |
| R             | EXISTING TO BE RELOCATED                                                                                                                                                                             |
| RR            | REMOVE AND REINSTALL                                                                                                                                                                                 |
| WP            | EXTERIOR/ WEATHERPROOF                                                                                                                                                                               |
| JB            | JUNCTION BOX                                                                                                                                                                                         |
| AFB           | ABOVE FINISHED FLOOR                                                                                                                                                                                 |
| TYP           | TYPICAL - TO BE INTERPRETED AS EXACTLY THE SAME AS COMPARABLE FEATURES.                                                                                                                              |
| V             | VOLTS                                                                                                                                                                                                |
| KW            | KILOWATTS                                                                                                                                                                                            |
| X             | EXPLOSION PROOF DEVICE                                                                                                                                                                               |
| WM XXX AFF    | WALL MOUNTED AT XXXmm AFF. XXXX INDICATES SPECIFIC HEIGHT                                                                                                                                            |
| CM            | CEILING MOUNT                                                                                                                                                                                        |
| ELV           | ELEVATOR MOUNT                                                                                                                                                                                       |
| RFM           | ROOF MOUNT                                                                                                                                                                                           |
| CAM-XX-XX     | FIRST XX INDICATES FLOOR NUMBER, SECOND XX INDICATES CAMERA NUMBER                                                                                                                                   |
| CNR XXX AFF   | CORNER MOUNT AT XXXmm AFF. XXXX INDICATES SPECIFIC HEIGHT                                                                                                                                            |
| PM XXX AFF    | PENDANT MOUNT AT XXXmm AFF. XXXX INDICATES SPECIFIC HEIGHT                                                                                                                                           |
| PTM XXX AFF   | PARAPET MOUNT AT XXXmm AFF. XXXX INDICATES SPECIFIC HEIGHT                                                                                                                                           |
| PLE XXX AFF   | POLE MOUNT AT XXXmm AFF. XXXX INDICATES SPECIFIC HEIGHT                                                                                                                                              |
| TYPE-XX       | DEVICE TYPE. XX INDICATES SPECIFIC CAMERA FUNCTION DESCRIPTION. REFER TO RELATIVE SPECIFICATIONS AND/OR SCHEDULES FOR ADDITIONAL DETAILS                                                             |
| FUNC.-XX      | FUNCTION TYPE. XX INDICATES SPECIFIC CAMERA FUNCTION DESCRIPTION. FUNC.01=DETECT, FUNC.02=OBSERVE, FUNC.03=RECOGNIZE, FUNC.04=IDENTIFY REFER TO SPECIFICATIONS AND SCHEDULES FOR ADDITIONAL DETAILS. |

NOTE: NOT ALL SYMBOLS APPLY. CONTRACTOR TO REFER TO FLOOR PLANS.

## 2 SECURITY ABBREVIATIONS

| SYMBOL | DESCRIPTION                                                | SYMBOL | DESCRIPTION                                       |
|--------|------------------------------------------------------------|--------|---------------------------------------------------|
|        | WALL MOUNTED PAGING SPEAKER                                |        | VOLUME CONTROL                                    |
|        | CEILING MOUNTED PAGING SPEAKER                             |        | SOUND LEVEL SENSOR                                |
|        | WALL MOUNTED SOUND MASKING SPEAKER                         |        | PAGING SPEAKER + HORN COMBINATION                 |
|        | CEILING MOUNTED SOUND MASKING SPEAKER                      |        |                                                   |
|        | WALL MOUNTED SOUND MASKING + PAGING COMBINATION SPEAKER    |        |                                                   |
|        | CEILING MOUNTED SOUND MASKING + PAGING COMBINATION SPEAKER |        |                                                   |
|        |                                                            |        |                                                   |
|        | CEILING AND WALL MOUNTED DIGITAL CLOCK                     |        | TRANSMITTER ANTENNA                               |
|        | CEILING AND WALL MOUNTED ELAPSE TIME CLOCK                 |        | WIRELESS RECEIVER SWITCH                          |
|        | CEILING AND WALL MOUNTED ANALOG CLOCK                      |        | MASTER CLOCK TRANSMITTER "X" INDICATES WATTAGE    |
|        | GPS RECEIVER                                               |        | TIME ZONE DISPLAY "X" INDICATES QUANTITY OF ZONES |
|        |                                                            |        |                                                   |
|        | AIR TERMINAL COMPLETE WITH BASE                            |        | C4 DOWN LEAD CABLE                                |
|        | C4 LIGHTNING CONDUCTOR                                     |        | GROUND ROD                                        |
|        | 2/0 BARE COPPER                                            |        | CONNECTION / BOND POINT                           |
|        | C4 INTER-LEVEL RISER CABLE                                 |        |                                                   |
|        |                                                            |        |                                                   |
|        |                                                            |        |                                                   |
|        |                                                            |        |                                                   |

NOTE: NOT ALL SYMBOLS APPLY. REFER TO DRAWINGS

### 3 PAGING/SOUND MASKING CLOCK AND LIGHTNING PROTECTION

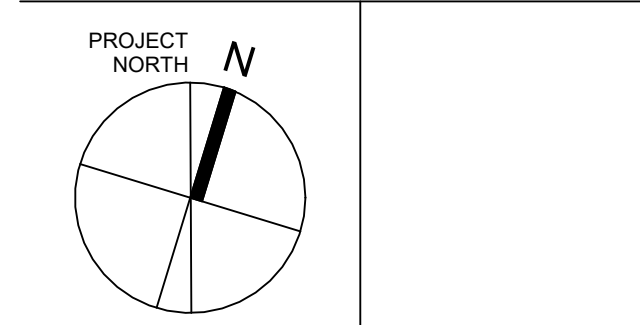


If this sheet is not 46 7/8" x 33 1/8" (1189 x 841 mm) It is a reduced print.  
- Read dwg. accordingly.

All prints and specifications are the property of the Architect and must be returned at the completion of the work.

| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025 11 05 | ISSUED FOR 15%CD           |
| 2  | 2025 12 15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026 01 30 | PROGRESS SET               |
| 4  | 2026 03 13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026 04 10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026 05 12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026 07 08 | ISSUED FOR TENDER          |
| 8  | 2026 07 22 | ADDENDUM E01               |

|                     |                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                               |
| architect           | CS&P Architects Inc.<br>2340 Yonge St., Suite 800<br>Toronto, ON, M4P 2S5<br>Phone 416 462 5002<br>Fax 416 462 5040           |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centaurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone 905 475 1900<br>Fax 905 475 8333 |
| structural engineer | LEA Consulting Inc.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone 905 470 0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone 416 487 8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone 416 487 8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone 416 962 8700                                 |



**CS&P**Architects

STERLING HALL

99 Cartwright Avenue, Toronto, ON M6A 1V4

## ELECTRICAL LEGEND

scale: N.T.S.  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-002

Revision:8





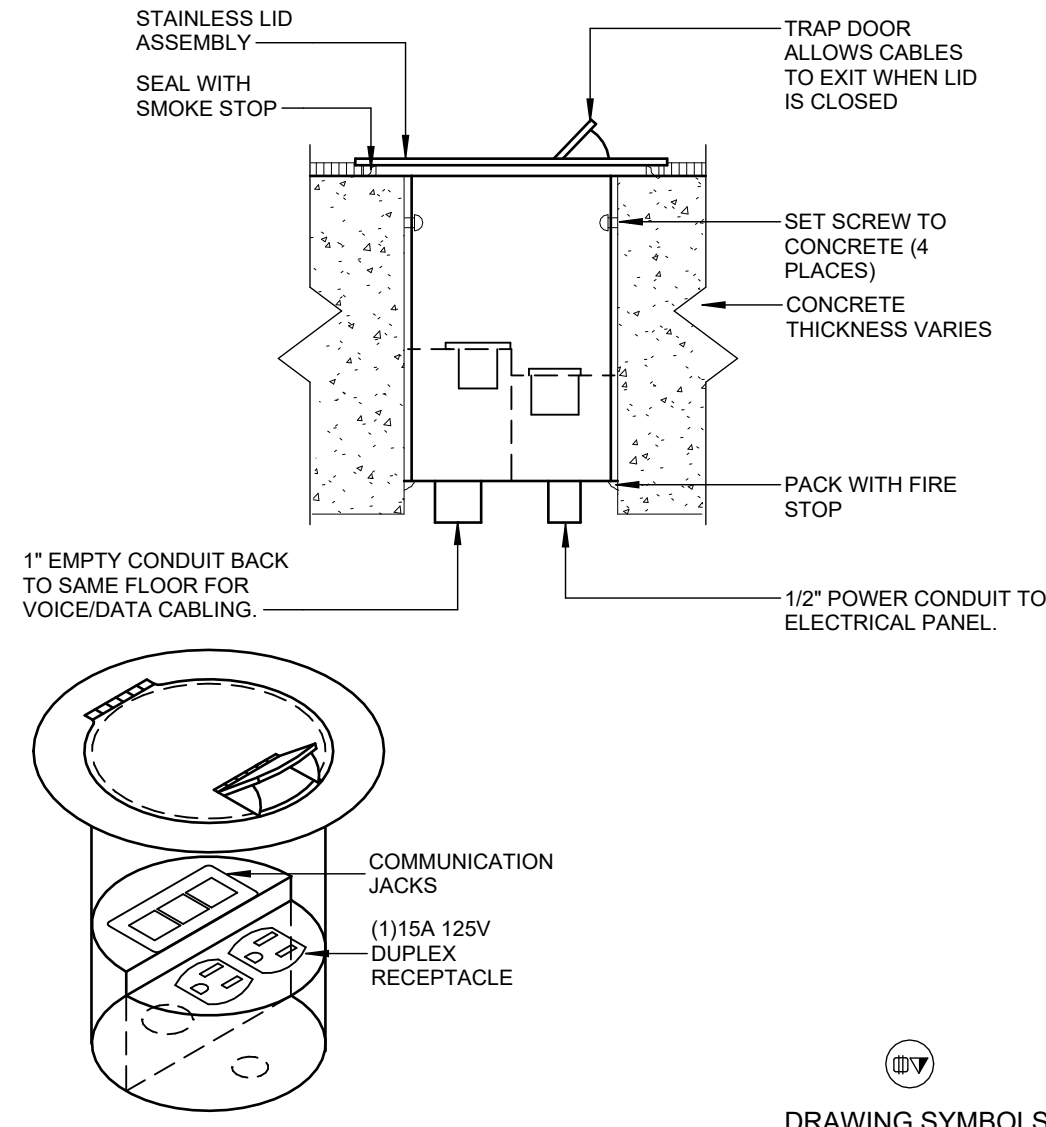
Smith + Andersen  
1100 - 105 Sheppard Ave. East, Toronto ON M2N 6N5  
416 487 8151 smithandandersen.com

If this sheet is not 46 7/8" x 33 1/8" (1189 x 841 mm) it is a reduced print  
- Read dwg. accordingly.

Contractors must check and verify all dimensions on the job and report any discrepancies to the Architect before proceeding with the work.  
All prints and specifications are the property of the Architect and must be returned at the completion of the work.

Drawings should not be scaled.

| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025.11.05 | ISSUED FOR 15% CD          |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2026.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026.06.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

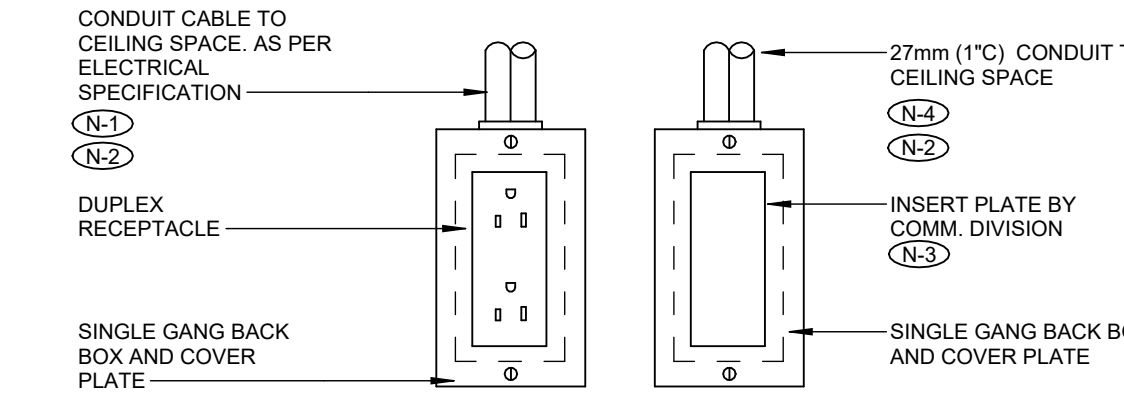


87  
DRAWING SYMBOLS

GENERAL NOTES:

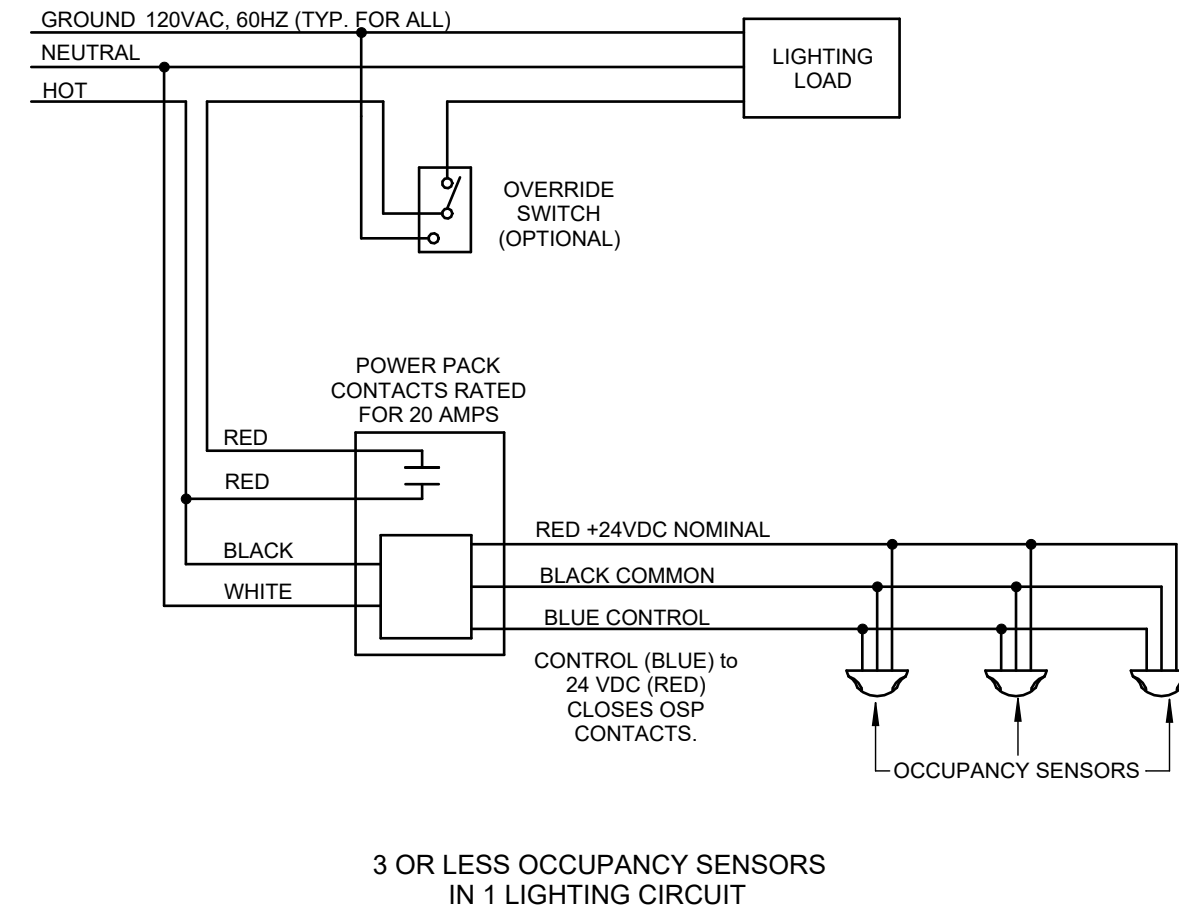
1. FLUSH QUAD POKE-THRU CW 2 DUPLEX RECEPTABLES AND VOICE/DATA OUTLETS. COORDINATE EXACT LOCATIONS WITH INTERIOR DESIGNERS AND CONSULTANT PRIOR TO INSTALLATION.
2. REFER TO FLOOR PLANS FOR QUANTITIES OF QUAD POKE-THRU POWER OUTLETS.
3. THE POKE-THRU SHALL BE A 470 SERIES CONCRETE FLOOR BOX 470-4-7-3 AS MANUFACTURED BY WELLMARK CW ALL ACCESSORIES.
4. MATERIALS: LID ASSEMBLY IS CONSTRUCTED OF 1/8" STAINLESS STEEL BODY 1/2 GA AND 16 GA ZINC COATED STEEL.

5 POKE-THROUGH COMMUNICATIONS/AUDIO VISUAL OUTLET



NOTES:

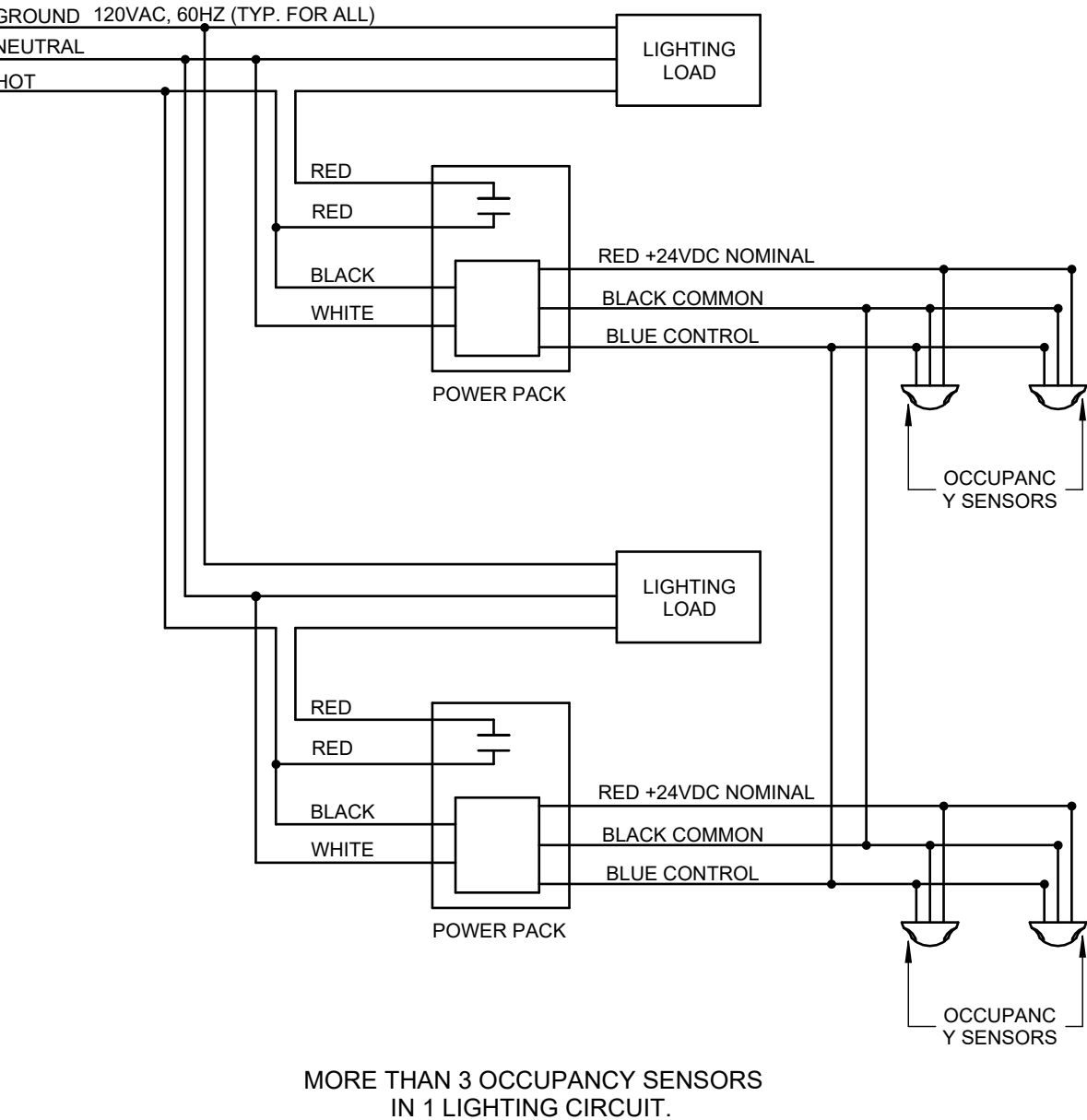
- (N1) PROVIDE CONNECTOR, CW NYLON BUSHINGS FOR CONDUIT TERMINATIONS WITHIN ACCESSIBLE CEILING SPACE.
- (N2) PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT.
- (N3) CONDUIT TO RUN BACK NEAREST CABLE TRAY OR COMMUNICATION OUTLET.
- (N4) ALL BACKBOXES FOR COMMUNICATIONS USE TO BE 100mm (4") DEEP.



GENERAL NOTES:

1. NUMBER OF DEVICES POWERED FROM A SINGLE POWER PACK VARIES WITH THE TYPE OF DEVICE.
2. WIRING MAY VARY DEPENDING ON MANUFACTURER. CONFIRM EXACT WIRING REQUIREMENTS WITH MANUFACTURER.

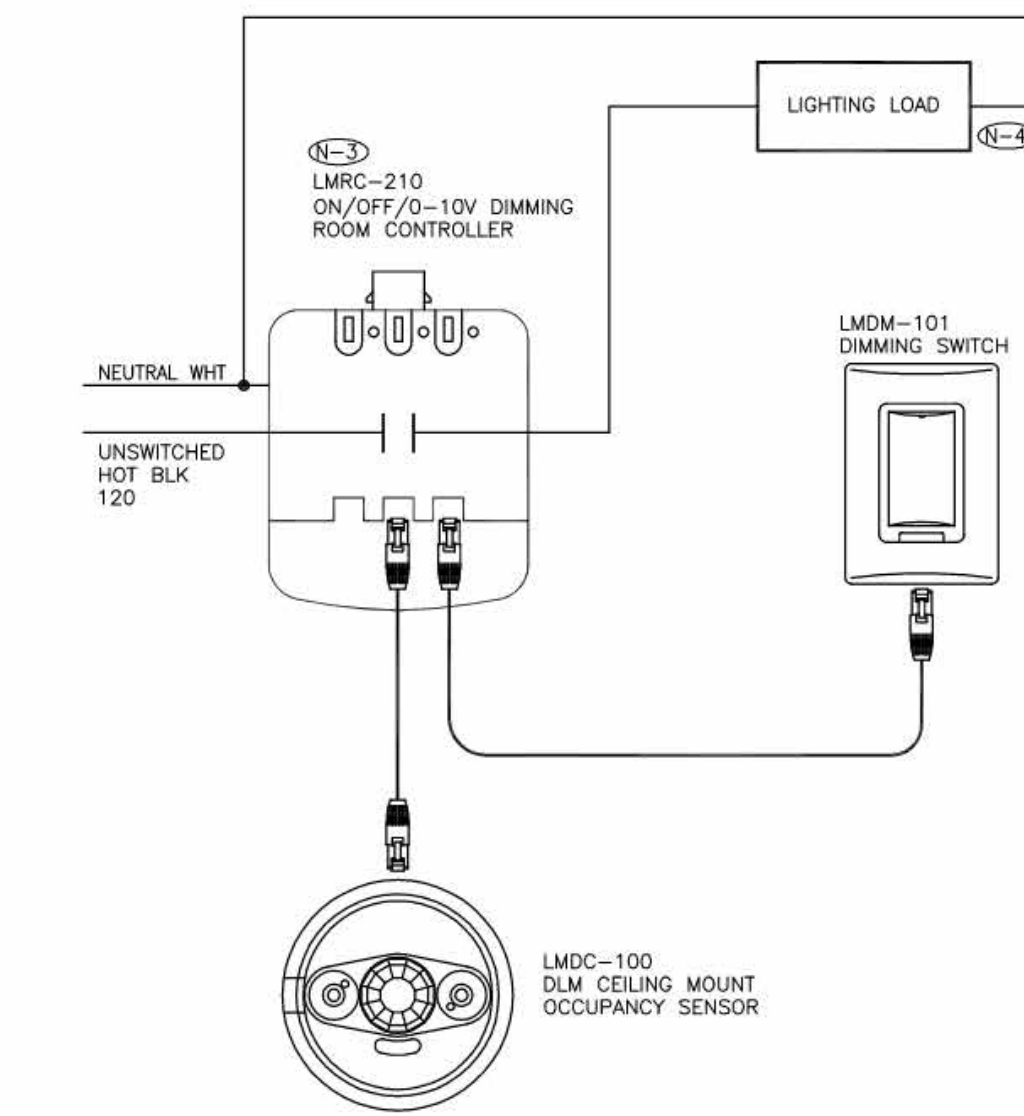
3 OCCUPANCY SENSOR WIRING - SINGLE POWER PACK



GENERAL NOTES:

1. NUMBER OF DEVICES POWERED FROM A SINGLE POWER PACK VARIES WITH THE TYPE OF DEVICE.
2. WIRING MAY VARY DEPENDING ON MANUFACTURER. CONFIRM EXACT WIRING REQUIREMENTS WITH MANUFACTURER.
3. DO NOT CONNECT RED WIRE TOGETHER.

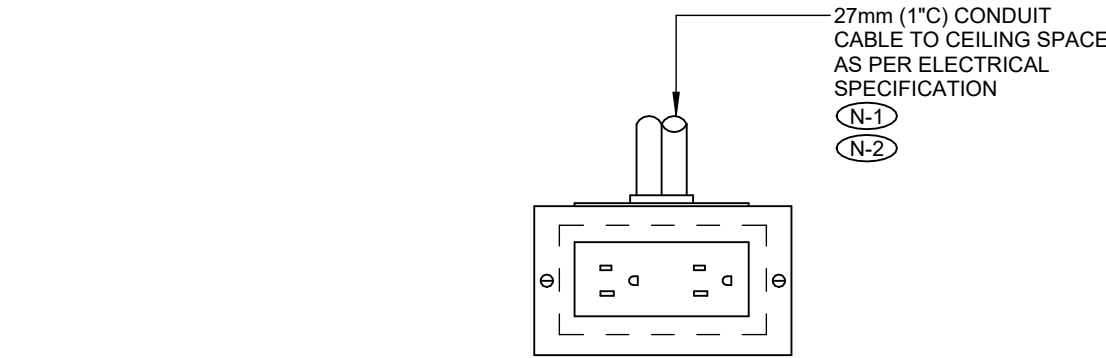
4 OCCUPANCY SENSOR WIRING - MULTIPLE POWER PACK



NOTES:

- (N1) THIS DETAIL IS FOR DIAGRAMMATIC PURPOSES ONLY. THE SYSTEM IS BASED ON WATTS/DIMMER DIM SYSTEM. COORDINATE ALL DETAILS WITH MANUFACTURER PRIOR TO ROUGH-IN OR INSTALLATION.
- (N2) REFER TO LIGHTING DRAWING E3.1 FOR ZONING OF LIGHTING CONTROL AND QUANTITY AND LOCATION OF DEVICES.
- (N3) ROOM CONTROLLER TO BE INSTALLED IN CEILING FLEXUM SPACE. COORDINATE EXACT LOCATION ON SITE.
- (N4) PROVIDE 0-10V CONTROL WIRING IN CONDUIT FROM EACH LIGHT FIXTURE BACK TO THE ROOM CONTROLLER. 0-10V WIRING NOT SHOWN ON THE DIAGRAM.

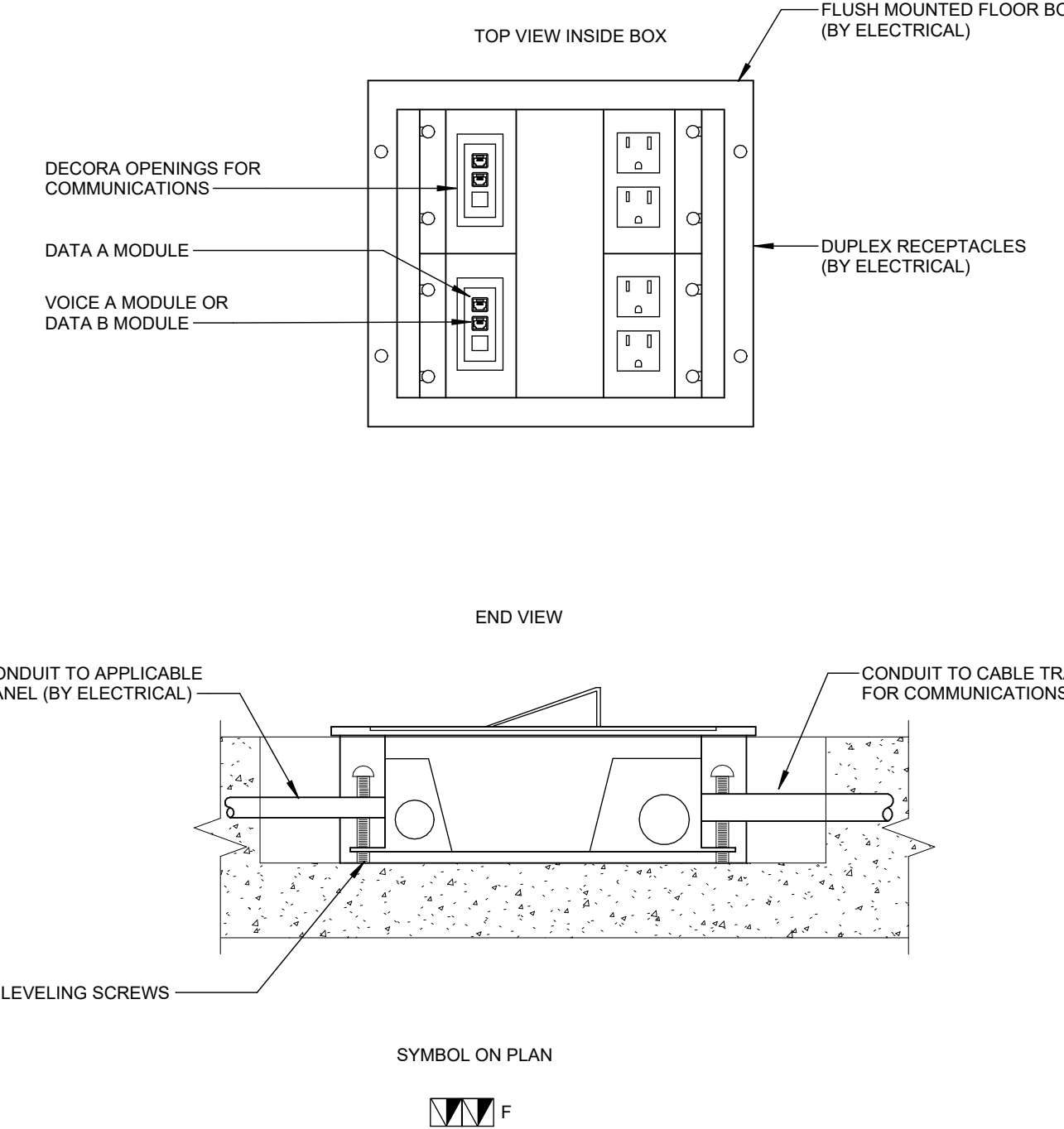
6 TYPICAL SMALL OFFICE - LIGHTING CONTROL DIAGRAM



NOTES:

- (N1) PROVIDE CONNECTOR, CW NYLON BUSHINGS FOR CONDUIT TERMINATIONS WITHIN ACCESSIBLE CEILING SPACE.
- (N2) PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT.
- (N3) CONDUIT TO RUN BACK NEAREST CABLE TRAY OR COMMUNICATION OUTLET.
- (N4) ALL BACKBOXES FOR COMMUNICATIONS USE TO BE 100mm (4") DEEP.

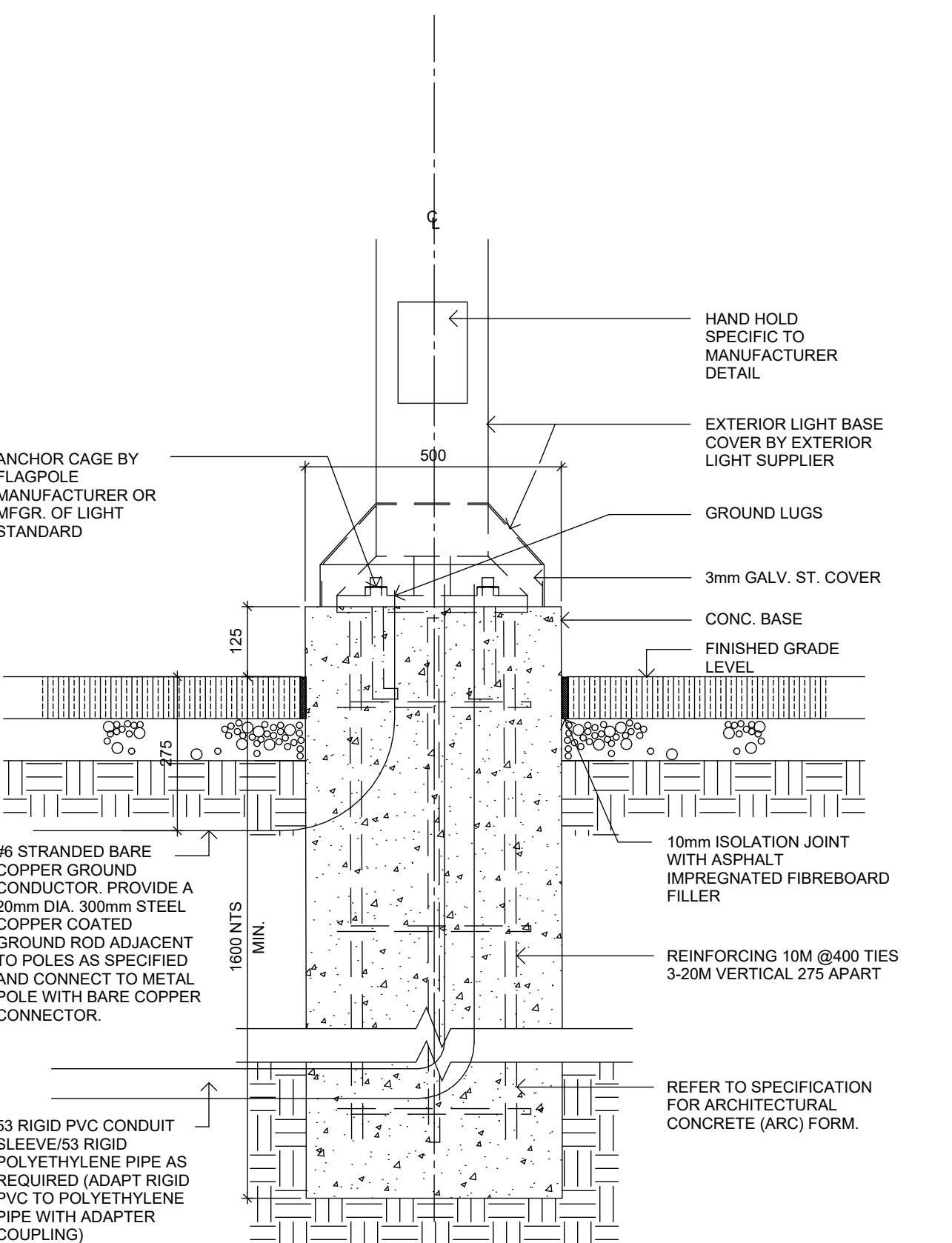
7 HORIZONTALLY MOUNTED DUPLEX RECEPTACLE



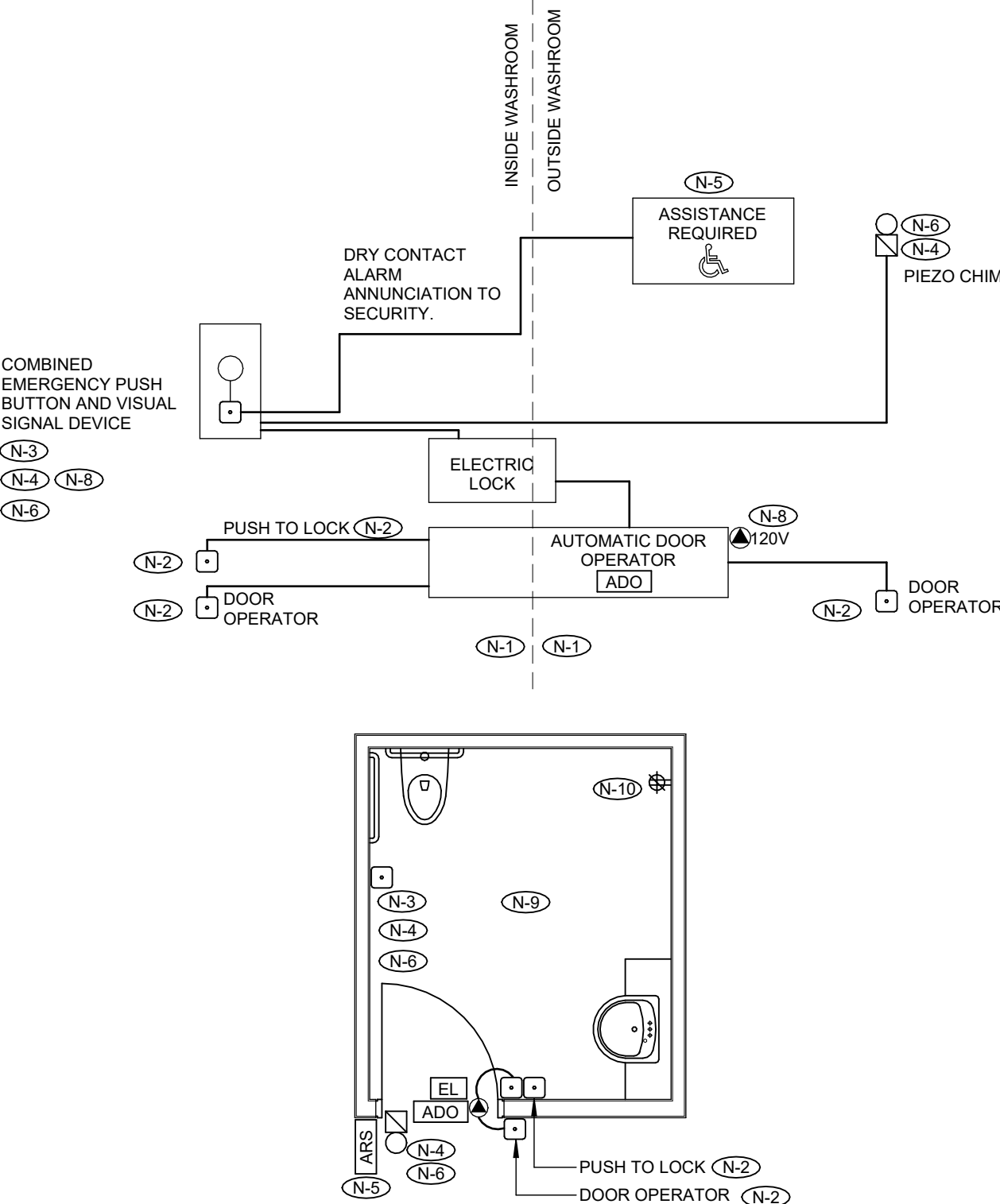
NOTES:

- (N1) THIS DRAWING IS FOR SCHEMATIC PURPOSE. QUANTITIES TO SUIT CABLING REQUIREMENTS AS PER DRAWING.
- (N2) COORDINATE SCHEDULING OF ALL WORK WITHIN CEILING SPACE BELOW WITH LANDLORD OR BUILDING OPERATIONS.

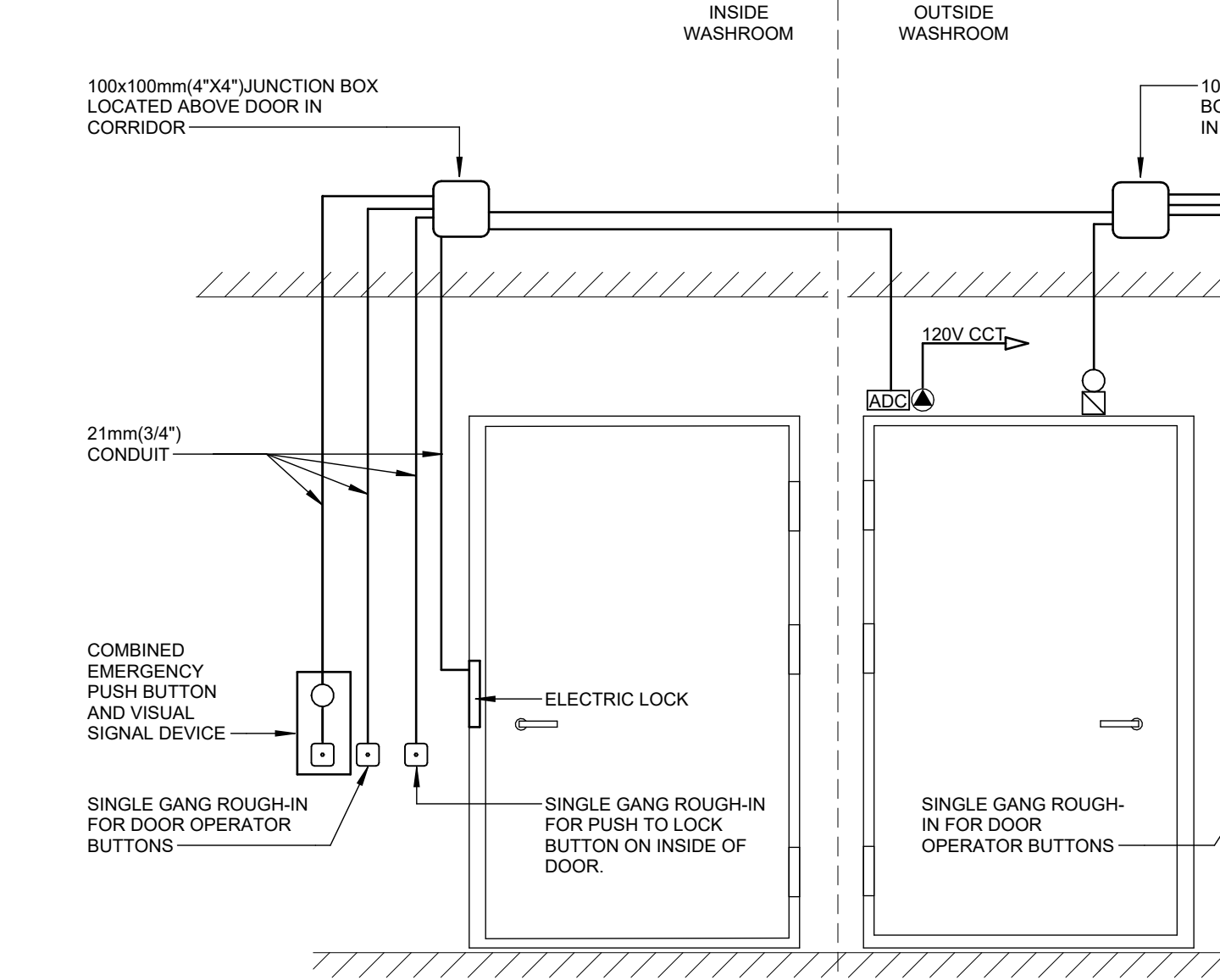
8 COMMS-27 00 00 49 - FLUSH FLOOR BOX DETAIL - POWER AND COMMUNICATIONS #3



9 EXTERIOR LIGHT CONCRETE BASE



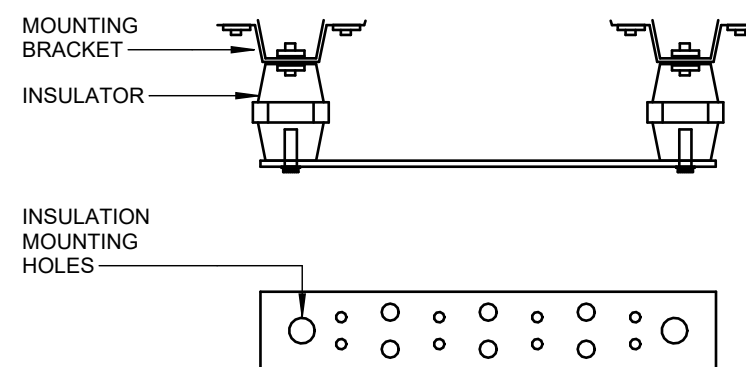
11 BARRIER FREE WASHROOM



GENERAL NOTES:

1. PROVIDE ROUGH-IN FOR PUSH PADDLES, DOOR OPENER, ELECTRIC STRIKE, AND JUNCTION BOX COMPLETE WITH EMT AND BLANK COVERPLATES. EQUIPMENT TO BE SUPPLIED AND INSTALLED BY OTHERS.
2. ALL CONDUIT TO BE 21mm(3/4") UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL DEVICES.
4. ALL DEVICES TO BE SUPPLIED AND INSTALLED BY OTHERS.
5. WIRING FOR ALL DEVICES SUPPLIED BY OTHERS, INSTALLED BY THIS CONTRACTOR.

10 BARRIER FREE WASHROOM DOOR DETAIL

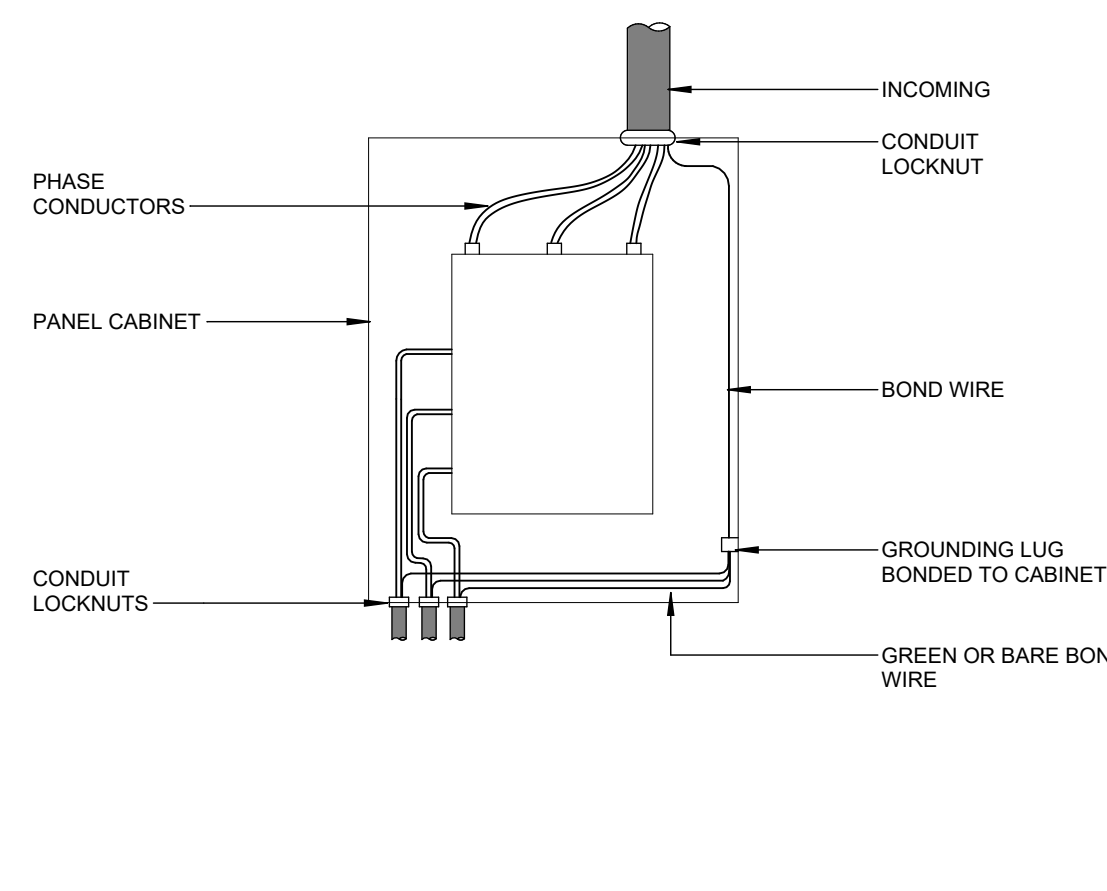


| TBB LENGTH (LINEAR M [FT]) | TBB SIZE (AWG)         |
|----------------------------|------------------------|
| LESS THAN 4 (13)           | 6 [4.1mm (0.16")]      |
| 4 TO 6 (13 TO 20)          | 4 [5.2mm (0.20")]      |
| 6 TO 8 (20 TO 26)          | 3 [3.5mm (0.13")]      |
| 8 TO 10 (26 TO 33)         | 2 [2.5mm (0.09")]      |
| 10 TO 13 (33 TO 44)        | 1 [7.4mm (0.29")]      |
| 13 TO 16 (44 TO 52)        | 1/0 [12.24mm (0.482")] |
| 16 TO 20 (52 TO 66)        | 2/0 [13.41mm (0.528")] |
| 20 TO 26 (66 TO 84)        | 3/0 [14.73mm (0.580")] |
| 26 TO 32 (85 TO 105)       | 4/0                    |
| 32 TO 38 (106 TO 125)      | 250 kcmil              |
| 38 TO 46 (126 TO 150)      | 300 kcmil              |
| 46 TO 53 (151 TO 175)      | 350 kcmil              |
| 53 TO 76 (176 TO 250)      | 500 kcmil              |
| 76 TO 91 (251 TO 300)      | 600 kcmil              |
| GREATER THAN 91 (301)      | 750 kcmil              |

GENERAL NOTES:

1. GROUNDING BUS BAR SHALL BE MOUNTED ON PLYWOOD BACKBOARD OR WALL AT 2m(8') A.F.F.
2. GROUNDING BUS BAR KIT SHALL BE PANOUT G820514TPR OR EQUIVALENT.
3. PANOUT GROUNDING BUS BAR KIT COMES FULLY ASSEMBLED. KIT TO INCLUDE BUSBAR, BRACKET, INSULATORS, FLAT WASHERS, LOCK WASHERS, CAP SCREWS, ETC.
4. ALL ITEMS (GROUNDING BUS BAR KIT, BONDING BACKSHE WIRE, ETC) BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
5. ELECTRICAL CONTRACTOR TO IN-GROUND BUS BAR TO BASE BUILDING MAIN GROUND LOCATED IN THE BASE BUILDING ELECTRICAL ROOM. SIZES AS PER SCHEDULE ABOVE.
6. COMMUNICATIONS GROUND BARS SHALL CONFORM TO ANSI/NET-A-87-B STANDARDS.

12 TELECOMM GROUNDING BUS BAR



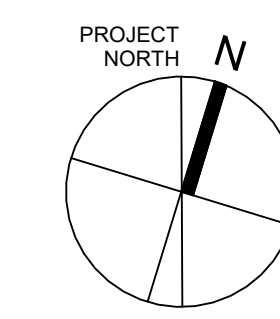
GENERAL NOTES:

1. ALL WIRES TO BE NEATLY LACED.
2. NEUTRAL CONDUCTOR NOT SHOWN FOR CLARITY.

13 TYP. PANEL GROUNDING AND BONDING

FILENAME: Autodesk Docs/121322 Sterling Hall/ISA\_00036.010\_Sterling Hall\_ELEC\_R05.rvt  
DRAWING LAST EDITED: 2026-07-22 2:30:33 PM

|                     |                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                              |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone 416 462 5002<br>Fax 416 462 5040          |
| civil engineer      | SSS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone 905 475 1800<br>Fax 905 475 8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone 905 470 0015                           |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone 416 487 8151                                          |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone 416 487 8151                                          |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone 416 962 8700                                |



CS&P Architects

STERLING HALL

99 Cartwright Avenue, Toronto, ON M6A 1V4

## ELECTRICAL STANDARD DETAILS

scale: As indicated  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-003  
Revision: 8





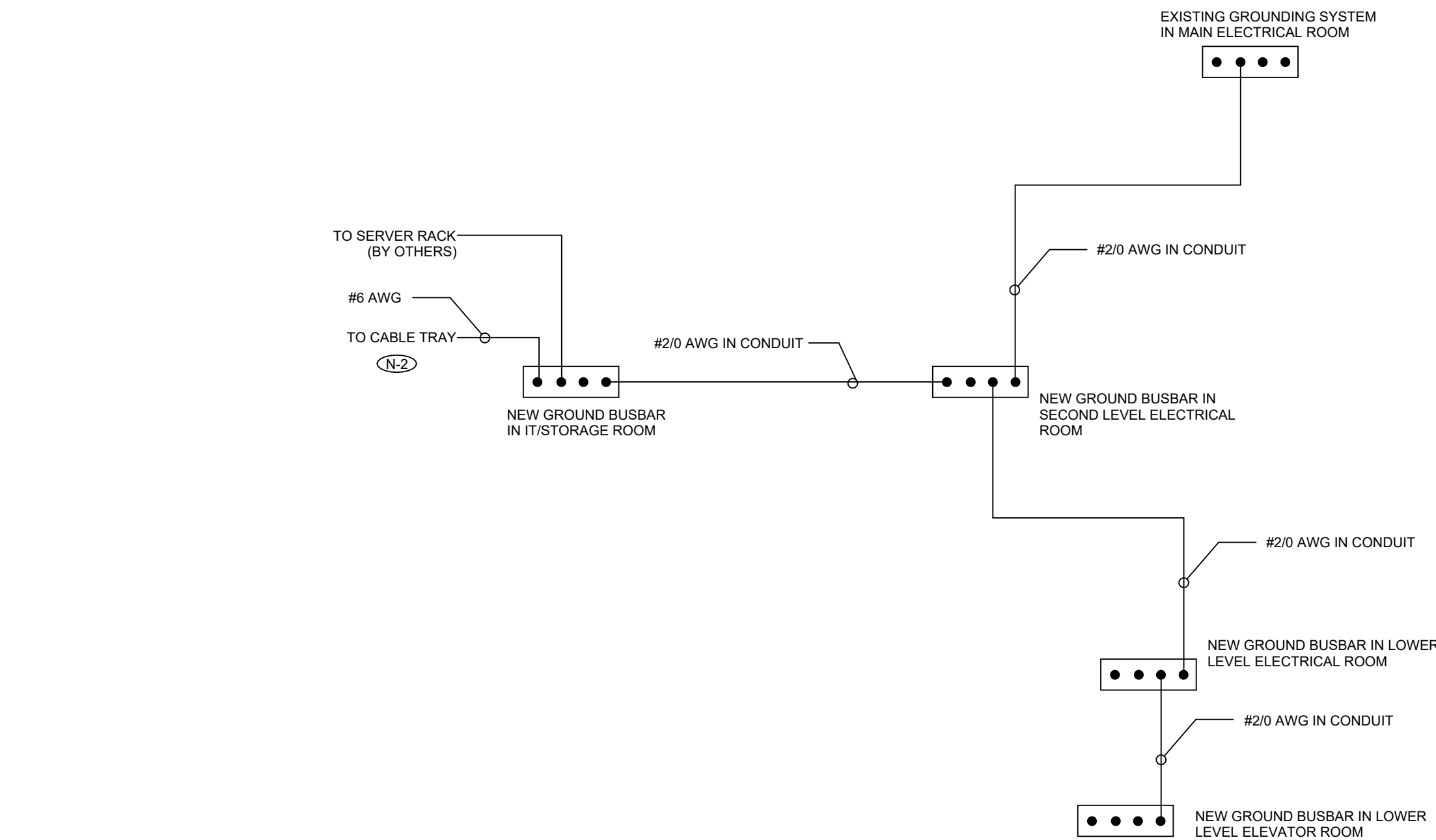
Smith + Andersen  
1100 - 105 Sheppard Ave. East, Toronto ON M2N 6N5  
416-487-8151 smithandersen.com

If this sheet is not 46 7/8" x 33 1/8" (1189 x 841 mm) it is a reduced print - Read dwg. accordingly.

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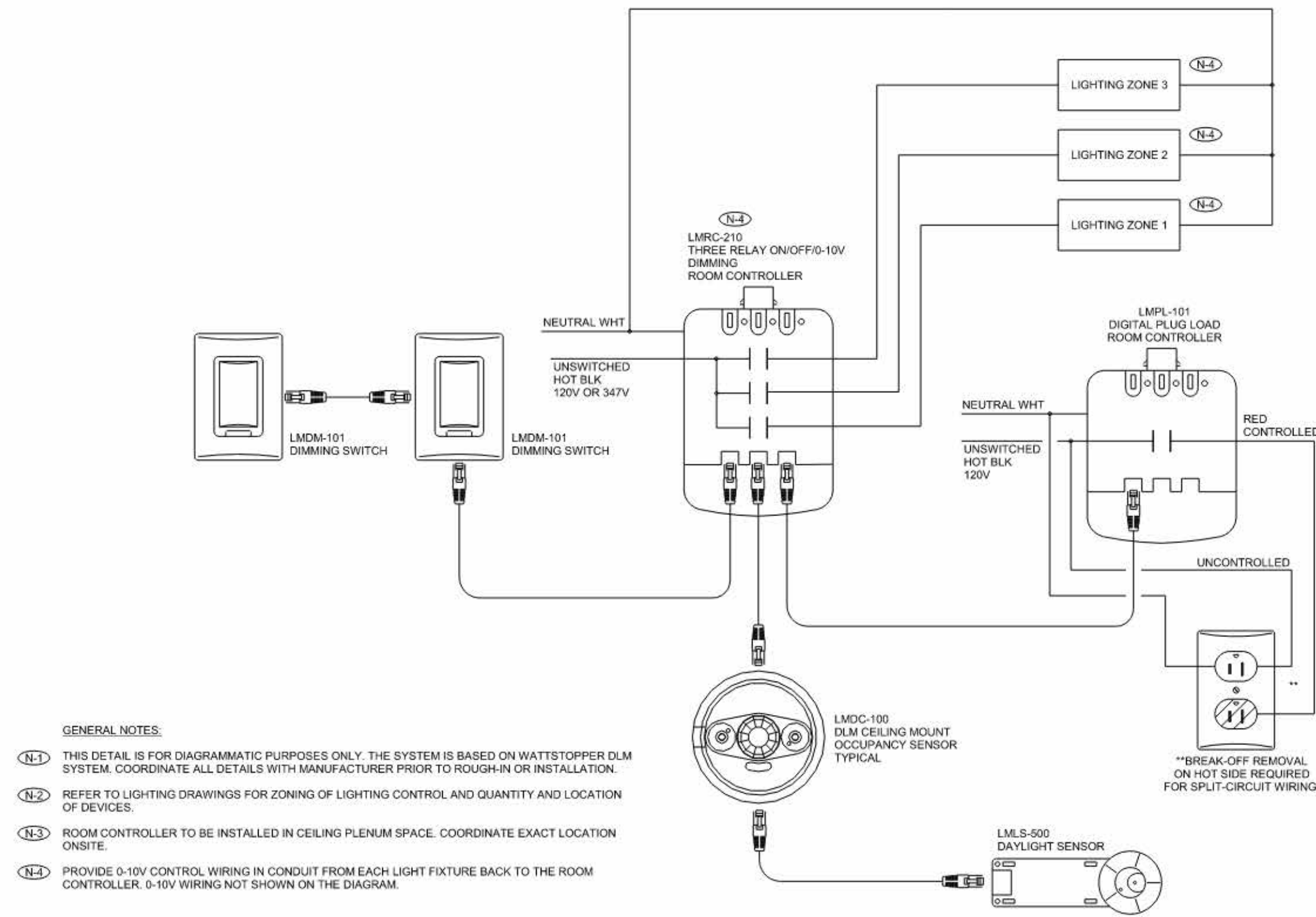
Drawings should not be scaled.

| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025.11.05 | ISSUED FOR 15%CD           |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2026.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026.06.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

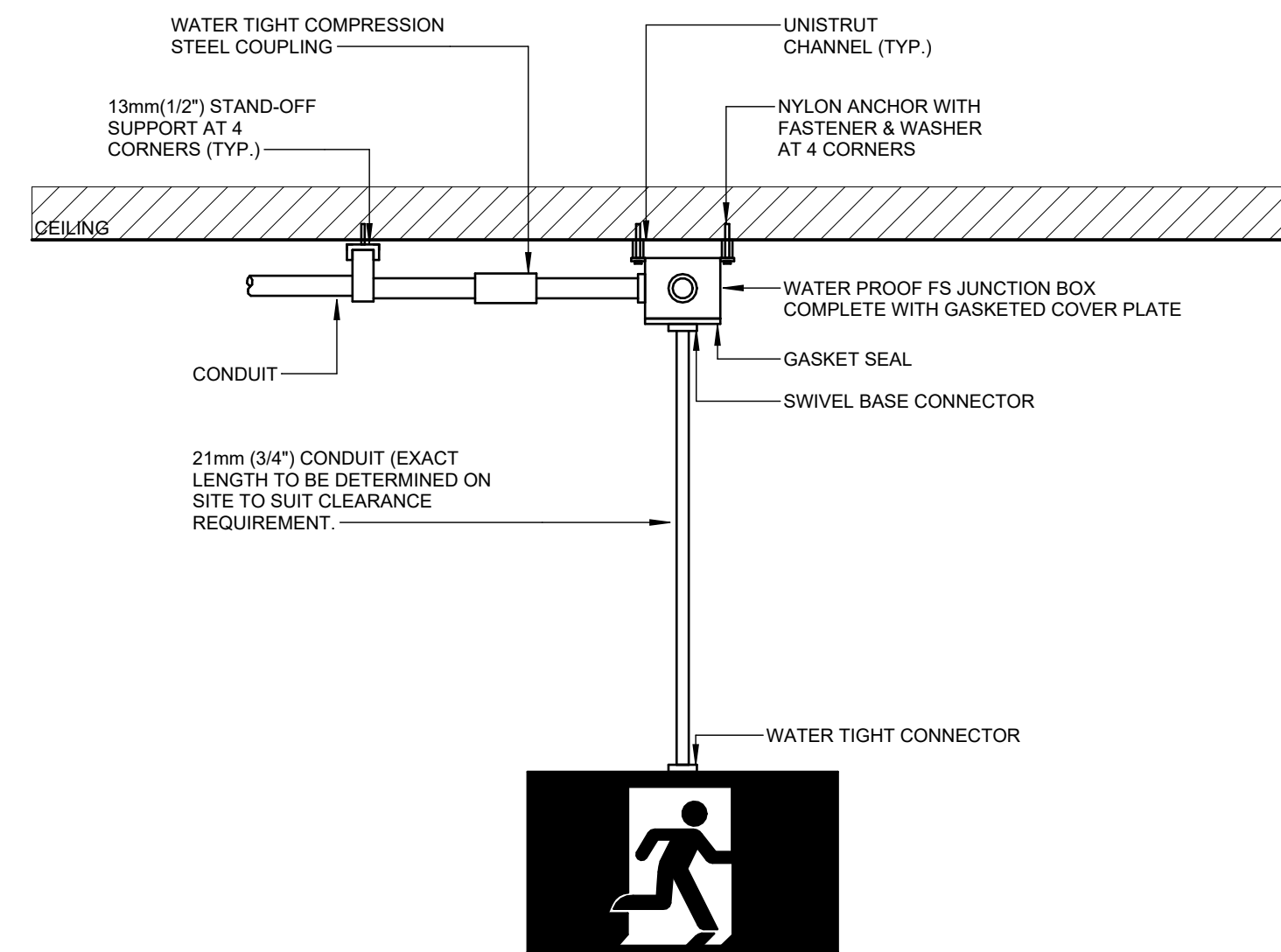


- REFER TO DETAIL 12%CD FOR ADDITIONAL REQUIREMENT  
ELECTRICAL CONTRACTOR IS TO PROVIDE GROUNDING FOR THE CABLE TRAY.

1 PARTIAL GROUNDING RISER DETAIL



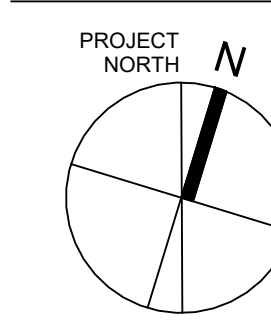
2 TYPICAL CLASSROOM LIGHTING CONTROLS



- GENERAL NOTES:  
1. EXIT SIGN SHALL BE PER LUMINAIRES SCHEDULES, DETAIL SHOWN FOR DIAGRAMMATIC PURPOSES. INSTALL PENDANT EXIT SIGNS AS PER MANUFACTURER'S RECOMMENDATIONS. ALLOW FOR ALL NECESSARY COMPONENTS.  
2. PENDANT EXIT SIGNS SHALL BE INSTALLED IN EXPOSED CEILING AREAS. REFER TO FLOOR PLANS FOR CEILING TYPES, QUANTITIES, FACE AND CHEVRON REQUIREMENTS. TOP OF SIGN TO BE MOUNTED BELOW UNDERSIDE OF SUSPENDED LIGHT FIXTURES AND/OR CEILING. ENSURE EXIT SIGN IS VISIBLE AND CLEAR OF VISUAL OBSTRUCTIONS.

3 PENDANT EXIT SIGN

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.462.5002<br>Fax: 416.462.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1800<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
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CS&P Architects

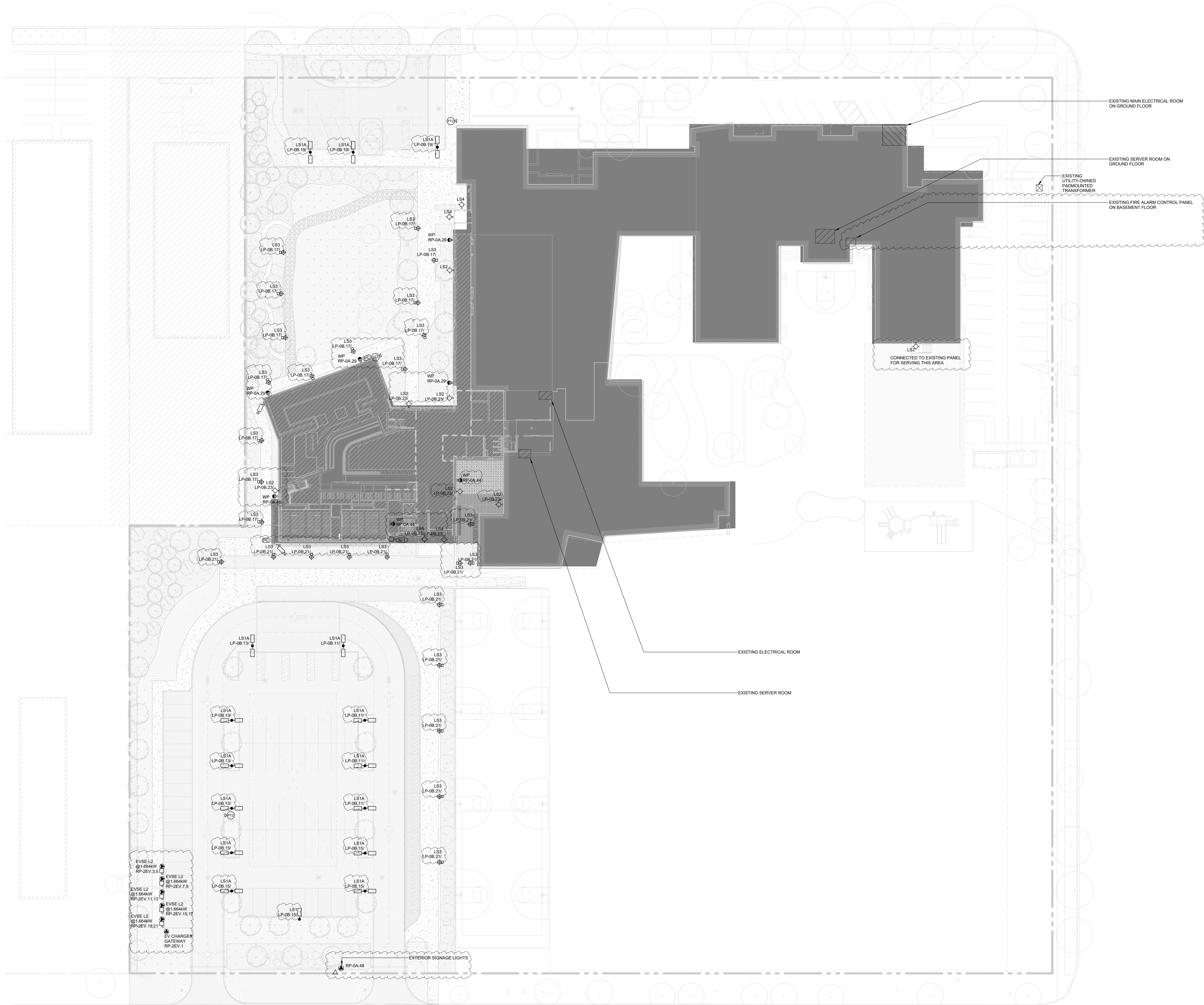
STERLING HALL

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## ELECTRICAL STANDARD DETAILS

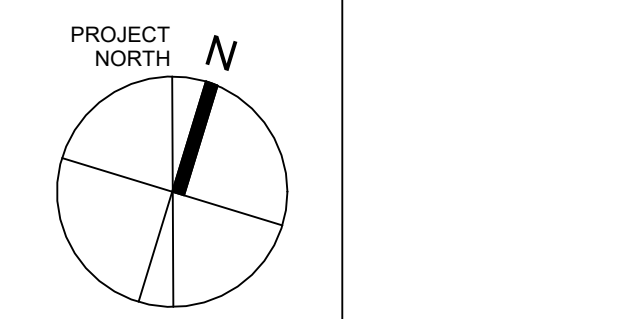
scale: N.T.S.  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-004  
Revision: 8





| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025 11 05 | ISSUED FOR 15%CD           |
| 2  | 2025 12 15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026 01 30 | PROGRESS SET               |
| 4  | 2026 03 13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026 04 10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026 05 12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026 07 08 | ISSUED FOR TENDER          |
| 8  | 2026 07 22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
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## GENERAL NOTES:

1. PROVIDE WIDE PANEL ENCLOSURE SUITABLE FOR INSTALLATION OF CTs AND PTs FOR SUBMETERING MAIN AND BRANCH CIRCUITS FOR HVAC SYSTEMS, INTERIOR LIGHTING, EXTERIOR LIGHTING, AND RECEPTACLES SEPARATELY AS REQUIRED BY ASHRAE.

LEGEND  
--- EXISTING  
--- NEW



Smith + Andersen  
1100 - 105 Sheppard Ave. East, Toronto ON M2N 6N5  
416-487-8151 smithandandersen.com

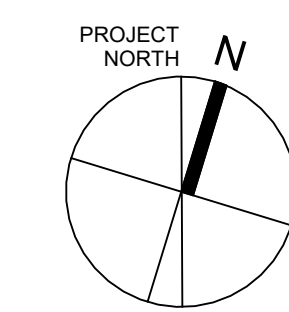
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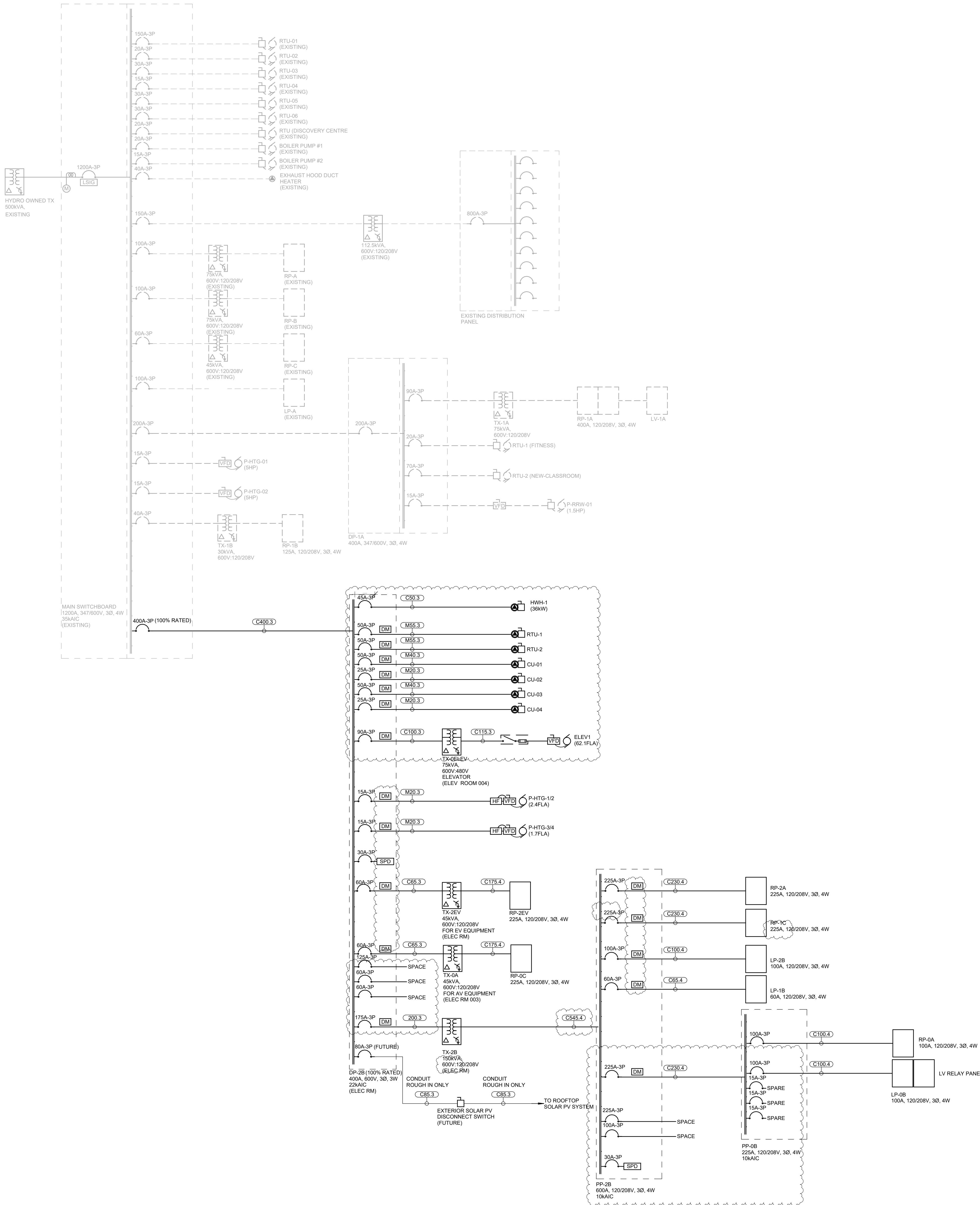
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## SINGLE LINE DIAGRAM

scale: N.T.S.  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-200  
Revision: 8

| E - COPPER FEEDER SCHEDULE                                                                                                                                                           |             |                                                              |                                      |                                                                       |                                                 |                                                 |                                    |                                                                                                     |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------|-------------|
| (PER TABLE 2 CEC (2021) AND RULE 4-006, 60C (FOR EQUIPMENT 100A AND BELOW), 75C AND TABLE 6B RW90XPE UNJACKETED 1000V FOR RW90 COLUMN AND TABLE 6D RW90 UNJACKETED FOR RW90 COLUMN.) |             |                                                              |                                      |                                                                       |                                                 |                                                 |                                    |                                                                                                     |             |
| 1. SCHEDULE IS TO BE USED FOR FEEDERS AND MOTOR BRANCH WIRING ONLY. DO NOT USE FOR BRANCH WIRING FROM PANELBOARDS                                                                    |             |                                                              |                                      |                                                                       |                                                 |                                                 |                                    |                                                                                                     |             |
| 2. RW90 WIRING IS TO BE USED FOR UNDERGROUND INSTALLATIONS. CONDUIT SIZE HAS BEEN ADJUSTED TO ACCOMMODATE FOR 1000V INSULATION RATING.                                               |             |                                                              |                                      |                                                                       |                                                 |                                                 |                                    |                                                                                                     |             |
| 3. FOR MOTORS REQUIRING FEEDERS GREATER THAN 10A, THE BONDING CONDUCTOR SHALL BE SIZED ACCORDING TO CEC RULE 10-614.                                                                 |             |                                                              |                                      |                                                                       |                                                 |                                                 |                                    |                                                                                                     |             |
| FEEDER No.                                                                                                                                                                           | No. OF RUNS | CONDUCTOR SIZE + BONDING CONDUCTOR SIZE AWG OR KCMIL PER RUN | FEEDER AMPACITY FOR 1-4 WIRE SYSTEMS | MAXIMUM CIRCUIT CAPACITY PER 75°C COLUMN (PER 60°C COLUMN FOR MOTORS) |                                                 |                                                 |                                    | MAXIMUM CIRCUIT CAPACITY PER 75°C COLUMN (PER 60°C COLUMN FOR MOTORS)                               |             |
|                                                                                                                                                                                      |             |                                                              |                                      | 3 WIRE-BONDING CONDUCTOR CONDUIT SIZE PER RUN                         | 4 WIRE + BONDING CONDUCTOR CONDUIT SIZE PER RUN | 5 WIRE + BONDING CONDUCTOR CONDUIT SIZE PER RUN | FEEDER AMPACITY FOR 5 WIRE SYSTEMS | 5 WIRE (DOUBLE NEUTRAL) + BONDING CONDUCTOR (HARMONIC MITIGATING TRANSFORMERS) CONDUIT SIZE PER RUN |             |
|                                                                                                                                                                                      |             |                                                              |                                      | RW90                                                                  | RW90                                            | RW90                                            |                                    | RW90                                                                                                | RW90        |
| M20                                                                                                                                                                                  | 1           | #12 AWG + #12 AWG                                            | 20                                   | 21 (3/4")                                                             | 21 (3/4")                                       | N/A                                             | N/A                                | N/A                                                                                                 | N/A         |
| M30                                                                                                                                                                                  | 1           | #10 AWG + #10 AWG                                            | 30                                   | 21 (3/4")                                                             | 21 (3/4")                                       | N/A                                             | N/A                                | N/A                                                                                                 | N/A         |
| M40                                                                                                                                                                                  | 1           | #8 AWG + #8 AWG                                              | 40                                   | 21 (3/4")                                                             | 21 (1")                                         | N/A                                             | N/A                                | N/A                                                                                                 | N/A         |
| M55                                                                                                                                                                                  | 1           | #6 AWG + #6 AWG                                              | 55                                   | 27 (1")                                                               | 35 (1-1/4")                                     | N/A                                             | N/A                                | N/A                                                                                                 | N/A         |
| M70                                                                                                                                                                                  | 1           | #4 AWG + #6 AWG                                              | 70                                   | 35 (1-1/4")                                                           | 35 (1-1/4")                                     | N/A                                             | N/A                                | N/A                                                                                                 | N/A         |
| M85                                                                                                                                                                                  | 1           | #3 AWG + #6 AWG                                              | 85                                   | 35 (1-1/4")                                                           | 41 (1-1/2")                                     | N/A                                             | N/A                                | N/A                                                                                                 | N/A         |
| M95                                                                                                                                                                                  | 1           | #2 AWG + #6 AWG                                              | 95                                   | 41 (1-1/2")                                                           | 41 (1-1/2")                                     | N/A                                             | N/A                                | N/A                                                                                                 | N/A         |
| M110                                                                                                                                                                                 | 1           | #1 AWG + #4 AWG                                              | 110                                  | 53 (2")                                                               | 53 (2")                                         | N/A                                             | N/A                                | N/A                                                                                                 | N/A         |
| C20                                                                                                                                                                                  | 1           | #12 AWG + #12 AWG                                            | 20                                   | 21 (3/4")                                                             | 21 (3/4")                                       | 21 (3/4")                                       | N/A                                | N/A                                                                                                 | N/A         |
| C30                                                                                                                                                                                  | 1           | #10 AWG + #12 AWG                                            | 30                                   | 21 (3/4")                                                             | 21 (3/4")                                       | 27 (1")                                         | N/A                                | N/A                                                                                                 | N/A         |
| C50                                                                                                                                                                                  | 1           | #8 AWG + #10 AWG                                             | 50                                   | 21 (3/4")                                                             | 27 (1")                                         | 35 (1-1/4")                                     | N/A                                | N/A                                                                                                 | N/A         |
| C65                                                                                                                                                                                  | 1           | #6 AWG + #6 AWG                                              | 65                                   | 27 (1")                                                               | 35 (1-1/4")                                     | 35 (1-1/4")                                     | N/A                                | N/A                                                                                                 | N/A         |
| C85                                                                                                                                                                                  | 1           | #4 AWG + #8 AWG                                              | 85                                   | 35 (1-1/4")                                                           | 35 (1-1/4")                                     | 41 (1-1/2")                                     | N/A                                | N/A                                                                                                 | N/A         |
| C100                                                                                                                                                                                 | 1           | #3 AWG + #6 AWG                                              | 100                                  | 35 (1-1/4")                                                           | 41 (1-1/2")                                     | 41 (1-1/2")                                     | N/A                                | N/A                                                                                                 | N/A         |
| C115                                                                                                                                                                                 | 1           | #2 AWG + #6 AWG                                              | 115                                  | 41 (1-1/2")                                                           | 41 (1-1/2")                                     | 53 (2")                                         | N/A                                | N/A                                                                                                 | N/A         |
| C130                                                                                                                                                                                 | 1           | #1 AWG + #6 AWG                                              | 130                                  | 53 (2")                                                               | 53 (2")                                         | 53 (2")                                         | N/A                                | N/A                                                                                                 | N/A         |
| C150                                                                                                                                                                                 | 1           | #1/0 AWG + #6 AWG                                            | 150                                  | 53 (2")                                                               | 53 (2")                                         | 53 (2")                                         | C120                               | 120                                                                                                 | 63 (2-1/2") |
| C175                                                                                                                                                                                 | 1           | #0 AWG + #6 AWG                                              | 175                                  | 53 (2")                                                               | 53 (2")                                         | 63 (2-1/2")                                     | C140                               | 140                                                                                                 | 63 (2-1/2") |
| C200                                                                                                                                                                                 | 1           | #0 AWG + #6 AWG                                              | 200                                  | 53 (2")                                                               | 63 (2-1/2")                                     | 63 (2-1/2")                                     | C160                               | 160                                                                                                 | 78 (3")     |
| C230                                                                                                                                                                                 | 1           | #0 AWG + #4 AWG                                              | 230                                  | 63 (2-1/2")                                                           | 63 (2-1/2")                                     | 78 (3")                                         | C184                               | 184                                                                                                 | 78 (3")     |
| C255                                                                                                                                                                                 | 1           | 250 KCMIL + #4 AWG                                           | 255                                  | 63 (2-1/2")                                                           | 78 (3")                                         | 78 (3")                                         | C204                               | 204                                                                                                 | 78 (3")     |
| C285                                                                                                                                                                                 | 1           | 300 KCMIL + #4 AWG                                           | 285                                  | 78 (3")                                                               | 78 (3")                                         | 78 (3")                                         | C228                               | 228                                                                                                 | 91 (3-1/2") |
| C300                                                                                                                                                                                 | 2           | #1/0 AWG + #6 AWG                                            | 300                                  | 53 (2")                                                               | 53 (2")                                         | 53 (2")                                         | C240                               | 240                                                                                                 | 63 (2-1/2") |
| C310                                                                                                                                                                                 | 1           | 350 KCMIL + #3 AWG                                           | 310                                  | 78 (3")                                                               | 78 (3")                                         | 91 (3-1/2")                                     | C248                               | 248                                                                                                 | 91 (3-1/2") |
| C335                                                                                                                                                                                 | 1           | 400 KCMIL + #3 AWG                                           | 335                                  | 78 (3")                                                               | 78 (3")                                         | 91 (3-1/2")                                     | C268                               | 268                                                                                                 | 103 (4")    |
| C350                                                                                                                                                                                 | 2           | #0 AWG + #6 AWG                                              | 350                                  | 53 (2")                                                               | 53 (2")                                         | 63 (2-1/2")                                     | C280                               | 280                                                                                                 | 63 (2-1/2") |
| C380                                                                                                                                                                                 | 1           | 500 KCMIL + #3 AWG                                           | 380                                  | 91 (3-1/2")                                                           | 91 (3-1/2")                                     | 103 (4")                                        | C304                               | 304                                                                                                 | 103 (4")    |
| C400                                                                                                                                                                                 | 2           | #0 AWG + #6 AWG                                              | 400                                  | 53 (2")                                                               | 63 (2-1/2")                                     | 63 (2-1/2")                                     | C320                               | 320                                                                                                 | 78 (3")     |
| C420                                                                                                                                                                                 | 1           | 750 KCMIL + #2 AWG                                           | 420                                  | 91 (3-1/2")                                                           | 103 (4")                                        | 129 (5")                                        | C336                               | 336                                                                                                 | 129 (5")    |
| C450                                                                                                                                                                                 | 2           | #0 AWG + #4 AWG                                              | 450                                  | 63 (2-1/2")                                                           | 63 (2-1/2")                                     | 78 (3")                                         | C368                               | 368                                                                                                 | 78 (3")     |
| C475                                                                                                                                                                                 | 1           | 750 KCMIL + #2 AWG                                           | 475                                  | 103 (4")                                                              | 129 (5")                                        | 129 (5")                                        | C380                               | 380                                                                                                 | 129 (5")    |
| C510                                                                                                                                                                                 | 2           | 250 KCMIL + #4 AWG                                           | 510                                  | 63 (2-1/2")                                                           | 78 (3")                                         | 78 (3")                                         | C408                               | 408                                                                                                 | 78 (3")     |
| C445                                                                                                                                                                                 | 1           | 1000 KCMIL + #1 AWG                                          | 545                                  | 129 (5")                                                              | 129 (5")                                        | 155 (6")                                        | C436                               | 436                                                                                                 | 155 (6")    |
| C570                                                                                                                                                                                 | 2           | 350 KCMIL + #4 AWG                                           | 570                                  | 78 (3")                                                               | 78 (3")                                         | 78 (3")                                         | C456                               | 456                                                                                                 | 91 (3-1/2") |
| C620                                                                                                                                                                                 | 2           | 350 KCMIL + #3 AWG                                           | 620                                  | 78 (3")                                                               | 78 (3")                                         | 91 (3-1/2")                                     | C466                               | 466                                                                                                 | 91 (3-1/2") |
| C670                                                                                                                                                                                 | 2           | 400 KCMIL + #3 AWG                                           | 670                                  | 78 (3")                                                               | 78 (3")                                         | 91 (3-1/2")                                     | C536                               | 536                                                                                                 | 103 (4")    |
| C760                                                                                                                                                                                 | 2           | 500 KCMIL + #3 AWG                                           | 760                                  | 91 (3-1/2")                                                           | 91 (3-1/2")                                     | 103 (4")                                        | C608                               | 608                                                                                                 | 103 (4")    |
| C765                                                                                                                                                                                 | 3           | 250 KCMIL + #4 AWG                                           | 765                                  | 63 (2-1/2")                                                           | 78 (3")                                         | 78 (3")                                         | C612                               | 612                                                                                                 | 78 (3")     |
| C840                                                                                                                                                                                 | 2           | 600 KCMIL + #2 AWG                                           | 840                                  | 91 (3-1/2")                                                           | 103 (4")                                        | 129 (5")                                        | C672                               | 672                                                                                                 | 129 (5")    |
| C855                                                                                                                                                                                 | 3           | 300 KCMIL + #4 AWG                                           | 855                                  | 78 (3")                                                               | 78 (3")                                         | 78 (3")                                         | C684                               | 684                                                                                                 | 91 (3-1/2") |
| C930                                                                                                                                                                                 | 3           | 350 KCMIL + #3 AWG                                           | 930                                  | 78 (3")                                                               | 78 (3")                                         | 91 (3-1/2")                                     | C744                               | 744                                                                                                 | 91 (3-1/2") |
| C960                                                                                                                                                                                 | 2           | 750 KCMIL + #2 AWG                                           | 960                                  | 103 (4")                                                              | 129 (5")                                        | 129 (5")                                        | C760                               | 760                                                                                                 | 129 (5")    |
| C1005                                                                                                                                                                                | 3           | 400 KCMIL + #3 AWG                                           | 1005                                 | 78 (3")                                                               | 78 (3")                                         | 91 (3-1/2")                                     | C864                               | 864                                                                                                 | 103 (4")    |
| C1080                                                                                                                                                                                | 4           | 250 KCMIL + #4 AWG                                           | 1020                                 | 63 (2-1/2")                                                           | 78 (3")                                         | 78 (3")                                         | C816                               | 816                                                                                                 | 78 (3")     |
| C1090                                                                                                                                                                                | 2           | 1000 KCMIL + #1 AWG                                          | 1090                                 | 129 (5")                                                              | 129 (5")                                        | 155 (6")                                        | C872                               | 872                                                                                                 | 155 (6")    |
| C1140                                                                                                                                                                                | 3           | 500 KCMIL + #3 AWG                                           | 1140                                 | 91 (3-1/2")                                                           | 91 (3-1/2")                                     | 103 (4")                                        | C912                               | 912                                                                                                 | 103 (4")    |
| C1240                                                                                                                                                                                | 4           | 350 KCMIL + #3 AWG                                           | 1240                                 | 78 (3")                                                               | 78 (3")                                         | 91 (3-1/2")                                     | C962                               | 962                                                                                                 | 91 (3-1/2") |
| C1260                                                                                                                                                                                | 3           | 600 KCMIL + #2 AWG                                           | 1260                                 | 103 (4")                                                              | 129 (5")                                        | 129 (5")                                        | C1068                              | 1068                                                                                                | 129 (5")    |
| C1340                                                                                                                                                                                | 4           | 400 KCMIL + #3 AWG                                           | 1340                                 | 78 (3")                                                               | 78 (3")                                         | 91 (3-1/2")                                     | C1072                              | 1072                                                                                                | 103 (4")    |
| C1425                                                                                                                                                                                | 3           | 750 KCMIL + #2 AWG                                           | 1425                                 | 103 (4")                                                              | 129 (5")                                        | 129 (5")                                        | C1140                              | 1140                                                                                                | 129 (5")    |
| C1520                                                                                                                                                                                | 4           | 500 KCMIL + #3 AWG                                           | 1520                                 | 91 (3-1/2")                                                           | 91 (3-1/2")                                     | 103 (4")                                        | C1216                              | 1216                                                                                                | 103 (4")    |
| C1635                                                                                                                                                                                | 3           | 1000 KCMIL + #1 AWG                                          | 1635                                 | 129 (5")                                                              | 129 (5")                                        | 155 (6")                                        | C1308                              | 1308                                                                                                | 155 (6")    |
| C1680                                                                                                                                                                                | 4           | 600 KCMIL + #2 AWG                                           | 1680                                 | 91 (3-1/2")                                                           | 103 (4")                                        | 103 (4")                                        | C1344                              | 1344                                                                                                | 129 (5")    |
| C1900                                                                                                                                                                                | 4           | 750 KCMIL + #2 AWG                                           | 1900                                 | 103 (4")                                                              | 129 (5")                                        | 129 (5")                                        | C1520                              | 1520                                                                                                | 129 (5")    |
| C2180                                                                                                                                                                                | 4           | 1000 KCMIL + #1 AWG                                          | 2180                                 | 129 (5")                                                              | 129 (5")                                        | 155 (6")                                        | C1744                              | 1744                                                                                                | 155 (6")    |







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- Read dwg. accordingly.

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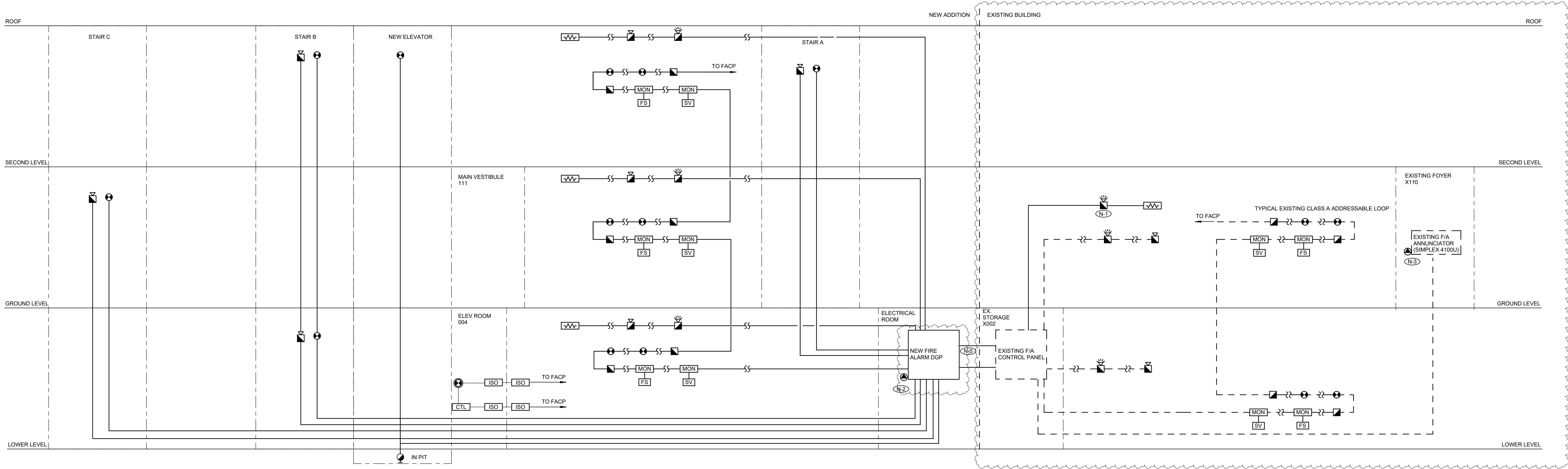
| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025 11 05 | ISSUED FOR 15%CD           |
| 2  | 2025 12 15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026 01 30 | PROGRESS SET               |
| 4  | 2026 03 13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026 04 10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026 05 12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026 07 08 | ISSUED FOR TENDER          |
| 8  | 2026 07 22 | ADDENDUM E01               |

#### GENERAL NOTES:

- ENSURE ALL NEW FIRE ALARM DEVICES ARE COMPATIBLE WITH THE EXISTING BUILDING SIMPLEX 4100 FIRE ALARM SYSTEM.
- STROBES LIGHTS TO BE SEPARATELY CIRCUITED AND SYNCHRONIZED PER ULC STANDARDS.
- ALL NEW AND EXISTING SIGNALING DEVICES TO BE SYNCHRONIZED.

#### NOTES:

- N-1 INSTALLATION OF NEW STROBES WITHIN EXISTING BUILDING TO BE CONFIRMED BY CODE
- N-2 NEW FIRE ALARM ZONE AND SUPERVISORY ZONES TO BE ADDED TO NEW FIRE ALARM DGP.
- N-3 EXISTING FIRE ALARM CONTROL PANEL, ANNUNCIATION PANEL AND PASSIVE GRAPHIC PANEL TO BE MODIFIED TO SUIT FIRE ALARM ZONES.
- N-4 PROVIDE NEW FIRE ALARM GRAPHIC WITH NEW ANNUNCIATOR.
- N-5 FIRE ALARM NETWORK COMMUNICATION LOOP RETURN PATH TO BE ROUTED THROUGH A PHYSICAL DIVERSE PATHWAY SEPARATE FROM THE PRIMARY NETWORK LOOP IN ACCORDANCE WITH ULC-SSA REQUIREMENTS



1 FIRE ALARM RISER DIAGRAM  
E-201 N.T.S.

| LEVEL        | BACKBONE<br>RISER SHAFT | DEVICE SUMMARY<br>(NO QUANTITIES SHOWN)              |                  |                 |                   |                     |                     |                 |                 |                 |                                                                                   | RECOMMENDED CONDUITS            |                                                                                   |
|--------------|-------------------------|------------------------------------------------------|------------------|-----------------|-------------------|---------------------|---------------------|-----------------|-----------------|-----------------|-----------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------|
|              |                         | <div>ROOF HATCH<br/>DOOR CONTACT</div> <div>DC</div> |                  |                 |                   |                     |                     |                 |                 |                 |                                                                                   | 1 X 21mmC<br>(224 DOOR CONTACT) |                                                                                   |
| ROOF         |                         | CCTV                                                 |                  | PAGING<br>HORNS | PAGING<br>CEILING | PAGING<br>WALLMOUNT | GLASS<br>BREAK      | DOOR<br>CONTACT | CLOCK<br>WALL   |                 | 1 X 21mmC (CAT6 / CAT6A)<br>1 X 53mmC (226 + 182 + 224)<br>1 X 21mmC (162 PAGING) |                                 |                                                                                   |
| 2ND LEVEL    |                         | CCTV                                                 |                  |                 | PAGING<br>CEILING | PAGING<br>WALLMOUNT | GLASS<br>BREAK      | DOOR<br>CONTACT | CLOCK<br>WALL   |                 | 1 X 21mmC (CAT6 / CAT6A)<br>1 X 53mmC (226 + 182 + 224)<br>1 X 21mmC (162 PAGING) |                                 |                                                                                   |
| UPPER GROUND |                         | CCTV                                                 |                  |                 |                   |                     |                     |                 |                 |                 | 1 X 21mmC (CAT6 / CAT6A)<br>1 X 53mmC (226 + 182 + 224)<br>1 X 21mmC (162 PAGING) |                                 |                                                                                   |
|              |                         | CCTV                                                 |                  |                 |                   | PAGING<br>CEILING   | GLASS<br>BREAK      | DOOR<br>CONTACT |                 |                 | 1 X 21mmC (CAT6 / CAT6A)<br>1 X 53mmC (226 + 182 + 224)<br>1 X 21mmC (162 PAGING) |                                 |                                                                                   |
| GROUND B + C |                         | CCTV                                                 | CCTV 360         | CA<br>ELEVATOR  | PAGING<br>HORNS   | PAGING<br>CEILING   | PAGING<br>WALLMOUNT | GLASS<br>BREAK  | DOOR<br>CONTACT | PANIC<br>BUTTON | CLOCK<br>WALL                                                                     | CLOCK<br>SURFACE                | 1 X 21mmC (CAT6 / CAT6A)<br>1 X 53mmC (226 + 182 + 224)<br>1 X 21mmC (162 PAGING) |
| GROUND A     |                         | CCTV                                                 |                  |                 |                   |                     |                     |                 |                 |                 |                                                                                   |                                 | 1 X 21mmC (CAT6 / CAT6A)<br>1 X 53mmC (226 + 182 + 224)<br>1 X 21mmC (162 PAGING) |
|              |                         | CCTV                                                 | CCTV<br>ELEVATOR |                 |                   | PAGING<br>CEILING   | PAGING<br>WALLMOUNT | GLASS<br>BREAK  | DOOR<br>CONTACT | CLOCK<br>WALL   |                                                                                   |                                 | 1 X 21mmC (CAT6 / CAT6A)<br>1 X 53mmC (226 + 182 + 224)<br>1 X 21mmC (162 PAGING) |
| LOWER LEVEL  |                         |                                                      |                  |                 | CCTV              |                     |                     |                 |                 | CCTV 360        |                                                                                   |                                 | 1 X 27mmC<br>(CAT6 CCTV)                                                          |
| OUTDOOR      |                         |                                                      |                  |                 |                   |                     |                     |                 |                 |                 |                                                                                   |                                 |                                                                                   |

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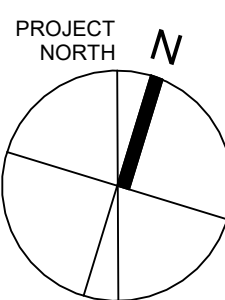
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landscape architect

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CS&PArchitects

STERLING HALL

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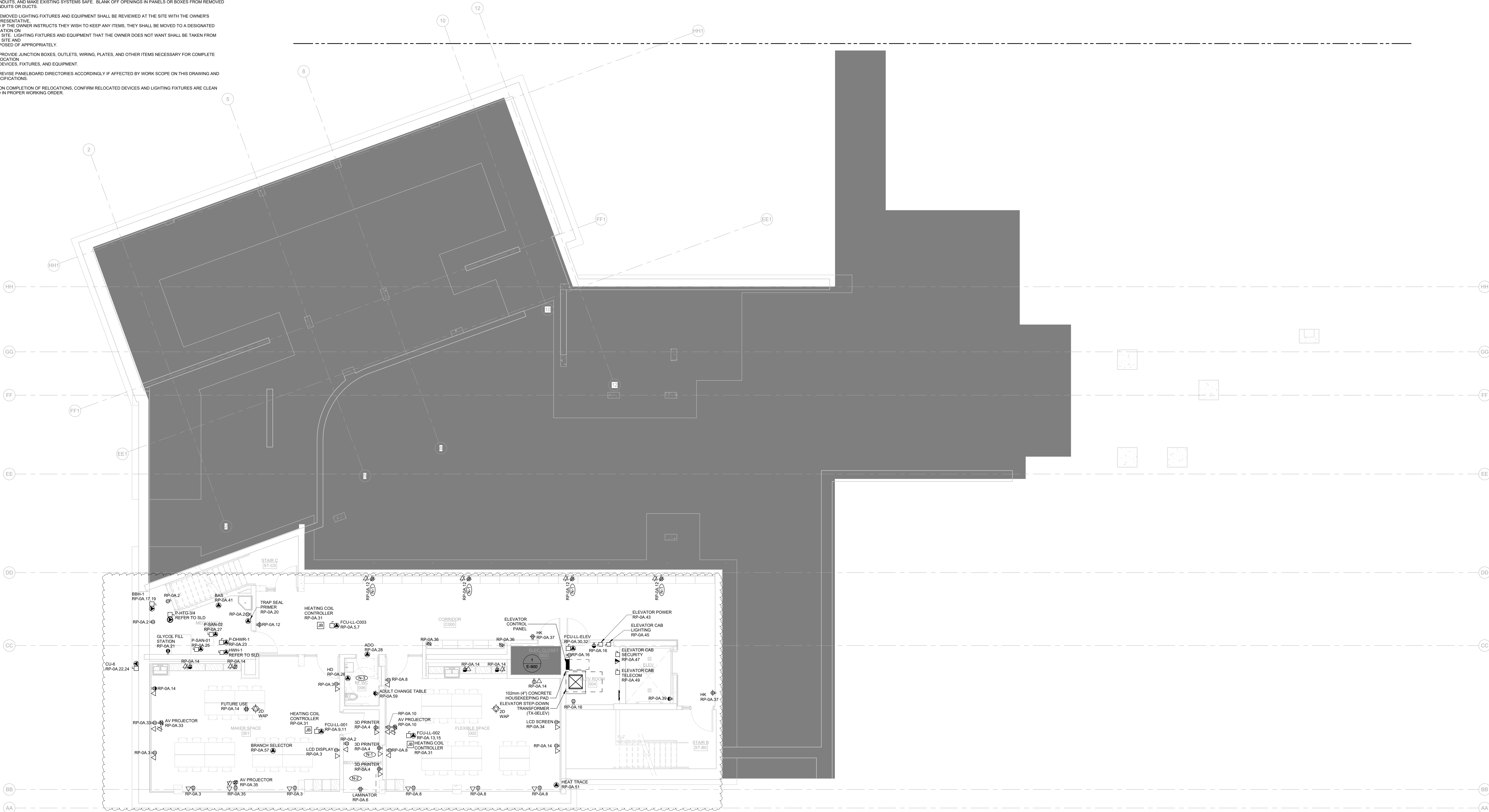
## FIRE ALARM AND SECURITY AND COMMS RISER DIAGRAMS

scale: N.T.S.  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-201  
Revision: 8



- GENERAL NOTES:
1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, DETAILS AND SPECIFICATIONS FOR DIMENSIONS, MOUNTING HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
  2. THE COMPLETE EXTENT OF DEMOLITION IS NOT SHOWN. REFER TO ARCHITECT'S DRAWINGS TO DETERMINE THE COMPLETE EXTENT OF DEMOLITION. ALLOW FOR ALL COSTS.
  3. ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, AND LIGHTING WITHIN BASE BUILDING ROOMS, STAIRWELLS, AND AREAS DEEMED NOT IN SCOPE SHALL REMAIN LIVE AND OPERATIONAL. ELECTRICAL CONTRACTOR TO ENSURE SERVICES TO THESE AREAS ARE ISOLATED AND PROTECTED DURING THE COURSE OF DEMOLITION AND CONSTRUCTION.
  4. CONNECTIONS TO EXISTING SYSTEMS TO BE MADE AT APPROVED TIMES. OBTAIN WRITTEN APPROVAL RECORDING TIMES WHEN CONNECTIONS CAN BE MADE. ARRANGE WORK SO THAT PHYSICAL ACCESS TO EXISTING BUILDING SYSTEMS ARE DONE DURING SUMMER SCHEDULE OR AFTER HOURS WITH 48 HOURS APPROVAL BY THE SCHOOL.
  5. BE RESPONSIBLE FOR ANY DAMAGES CAUSED TO EXISTING SYSTEMS WHEN MAKING CONNECTIONS.
  6. RELOCATE EXISTING PIPES, DUCTS, CONDUITS, BUS DUCTS, AND ANY OTHER EQUIPMENT OR SERVICES REQUIRED FOR THE PROPER INSTALLATION OF NEW WORK.
  7. MAINTAIN OR RELOCATE EXISTING SERVICES WHICH PASS THROUGH THE AREA OF RENOVATION OR DEMOLITION BUT WHICH FEED ITEMS LOCATED OUTSIDE OF THESE AREAS. REWIRE DEVICES TO THE ORIGINAL CIRCUITS.
  8. REMOVE EXISTING LIGHT FIXTURES, WIRING, DEVICES, AND EQUIPMENT TO SUITE NEW CONSTRUCTION. CUT BACK AND CAP CONDUITS AND ELECTRICAL OUTLETS NOT BEING USED SO THAT FINISHED WORK PRESENTS NEAT AND CLEAN APPEARANCE. DISCONNECT AT POINT OF ELECTRICAL SUPPLY. REMOVE OBSOLETE WIRING AND CONDUITS. AND MAKE EXISTING SYSTEMS SAFE. BLANK OFF OPENINGS IN PANELS OR BOXES FROM REMOVED CONDUITS OR DUCTS.
  9. REMOVED LIGHTING FIXTURES AND EQUIPMENT SHALL BE REVIEWED AT THE SITE WITH THE OWNER'S REPRESENTATIVE. AND IF THE OWNER INSTRUCTS THEY WISH TO KEEP ANY ITEMS, THEY SHALL BE MOVED TO A DESIGNATED LOCATION ON THE SITE. LIGHTING FIXTURES AND EQUIPMENT THAT THE OWNER DOES NOT WANT SHALL BE TAKEN FROM THE SITE AND DISPOSED OF APPROPRIATELY.
  10. PROVIDE JUNCTION BOXES, OUTLETS, WIRING, PLATES, AND OTHER ITEMS NECESSARY FOR COMPLETE RELOCATION OF DEVICES, FIXTURES, AND EQUIPMENT.
  11. REVISE PANELBOARD DIRECTORIES ACCORDINGLY IF AFFECTED BY WORK SCOPE ON THIS DRAWING AND SPECIFICATIONS.
  12. ON COMPLETION OF RELOCATIONS, CONFIRM RELOCATED DEVICES AND LIGHTING FIXTURES ARE CLEAN AND IN PROPER WORKING ORDER.

- DRAWING NOTES:
- (31) POWER AND DATA PROVISIONS FOR 3D PRINTER.
  - (32) POWER AND DATA PROVISIONS FOR LAMINATOR.
  - (33) REFER TO DETAIL 11/E003 FOR BARRIER FREE WASHROOM DEVICES LAYOUT AND WIRING SCHEMATIC.



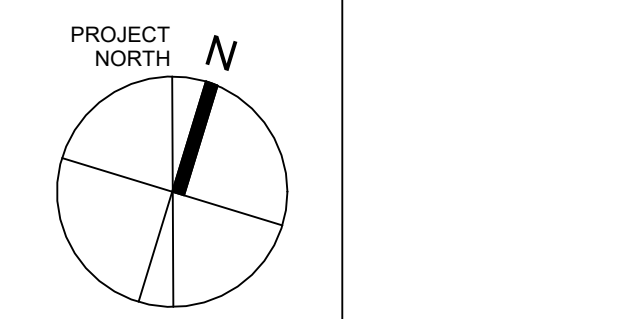
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|----|------------|----------------------------|
| 1  | 2025.11.05 | ISSUED FOR 15%CD           |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2026.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
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| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1900<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |



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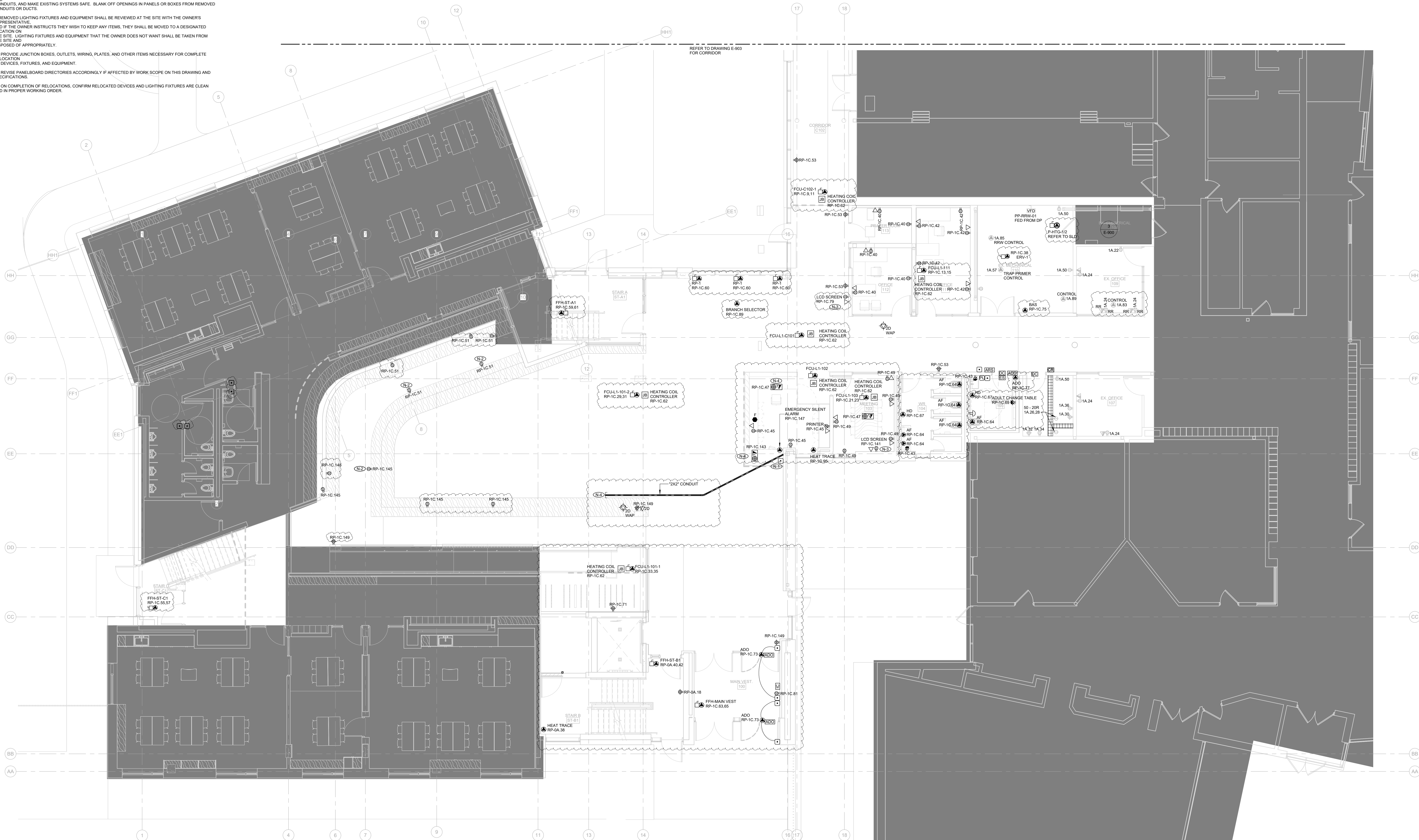
## LOWER LEVEL - POWER AND COMMUNICATIONS

scale: 1 : 75  
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drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: **E-400**  
Revision: 8



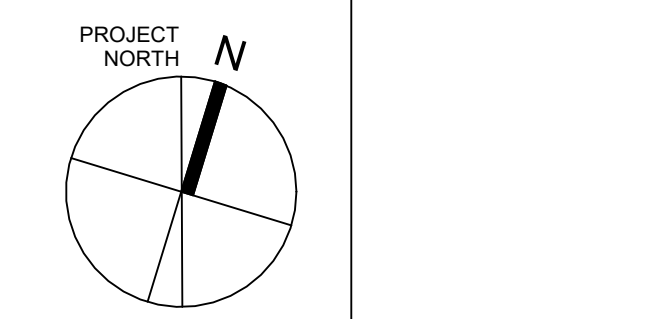
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- DRAWING NOTES:
1. PUSH BUTTON AT RECEPTION FOR MAIN VESTIBULE 101 AUTOMATIC DOOR OPENER.
  2. RECEPTACLE IN HEART SPACE MOUNTED HORIZONTALLY. REFER TO DETAIL 7E-003, AND ARCHITECTURAL DETAIL 31A7.22.
  3. RECEPTACLE AND DATA OUTLET FOR LCD SCREEN TO BE MOUNTED 600X AFF. REFER TO ARCHITECTURAL AND SYSTEM CONSULTANT'S DRAWINGS FOR MORE DETAILS.
  4. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN INSTALLATION.



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| 1  | 2025 11 05 | ISSUED FOR 15% CD          |
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| 7  | 2026 07 08 | ISSUED FOR TENDER          |
| 8  | 2026 07 22 | ADDENDUM E01               |

|                     |                                                                                                                                |
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| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416 962 8700                                 |



## GROUND FLOOR- POWER AND COMMUNICATIONS

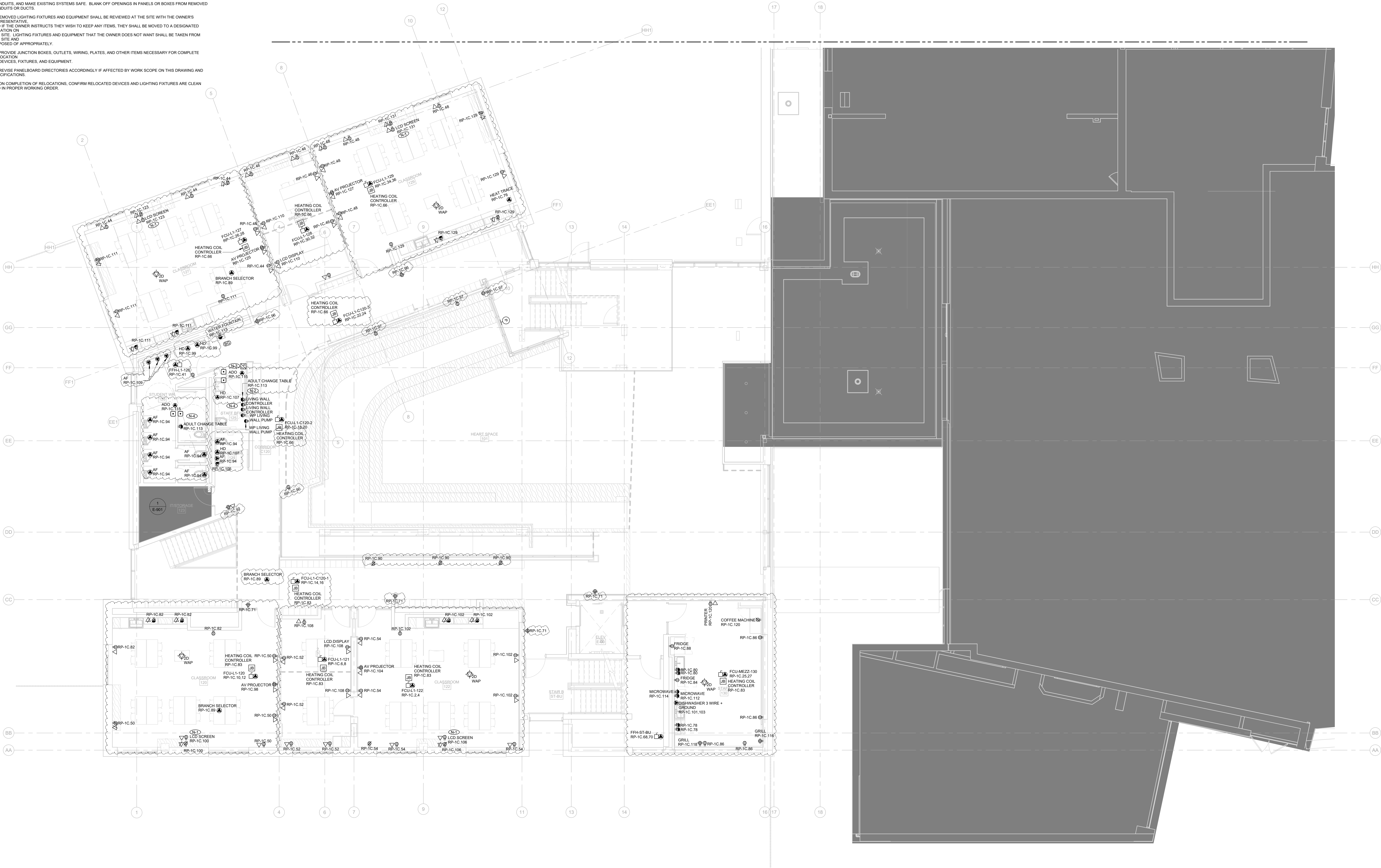


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6. RELOCATE EXISTING PIPES, DUCTS, CONDUITS, BUS DUCTS, AND ANY OTHER EQUIPMENT OR SERVICES REQUIRED FOR THE PROPER INSTALLATION OF NEW WORK.
7. MAINTAIN OR RELOCATE EXISTING SERVICES WHICH PASS THROUGH THE AREA OF RENOVATION OR DEMOLITION BUT WHICH FEED ITEMS LOCATED OUTSIDE OF THESE AREAS. REVIRE DEVICES TO THE ORIGINAL CIRCUITS.
8. REMOVE EXISTING LIGHT FIXTURES, WIRING, DEVICES, AND EQUIPMENT TO SUITE NEW CONSTRUCTION. CUT BACK AND CAP CONDUITS AND ELECTRICAL OUTLETS NOT BEING USED SO THAT FINISHED WORK PRESENTS NEAT AND CLEAN APPEARANCE. DISCONNECT AT POINT OF ELECTRICAL SUPPLY, REMOVE OBSOLETE WIRING AND CONDUITS, AND MAKE EXISTING SYSTEMS SAFE. BLANK OFF OPENINGS IN PANELS OR BOXES FROM REMOVED CONDUITS OR DUCTS.
9. REMOVED LIGHTING FIXTURES AND EQUIPMENT SHALL BE REVIEWED AT THE SITE WITH THE OWNERS REPRESENTATIVE, AND IF THE OWNER INSTRUCTS THEY WISH TO KEEP ANY ITEMS, THEY SHALL BE MOVED TO A DESIGNATED LOCATION ON THE SITE. LIGHTING FIXTURES AND EQUIPMENT THAT THE OWNER DOES NOT WANT SHALL BE TAKEN FROM THE SITE AND DISPOSED OF APPROPRIATELY.
10. PROVIDE JUNCTION BOXES, OUTLETS, WIRING, PLATES, AND OTHER ITEMS NECESSARY FOR COMPLETE RELOCATION OF DEVICES, FIXTURES, AND EQUIPMENT.
11. REVISE PANELBOARD DIRECTORIES ACCORDINGLY IF AFFECTED BY WORK SCOPE ON THIS DRAWING AND SPECIFICATIONS.
12. ON COMPLETION OF RELOCATIONS, CONFIRM RELOCATED DEVICES AND LIGHTING FIXTURES ARE CLEAN AND IN PROPER WORKING ORDER.

DRAWING NOTES:

1. RECEPTACLE AND DATA OUTLET FOR LCD SCREEN TO BE MOUNTED 60IN AFF. REFER TO ARCHITECTURAL AND SYSTEM CONSULTANTS' DRAWINGS FOR MORE DETAILS.
2. PROVIDE 2IN CONDUIT FOR THE LIVING WALL SYSTEMS PUMP. REFER TO THE LIVING WALL CONSULTANTS' DRAWINGS PACKAGE FOR MORE DETAILS ON THE SYSTEM.
3. TIMER SWITCH FOR THE LIVING WALL SYSTEM.
4. REFER TO DETAIL 11.E003 FOR BARRIER FREE WASHROOM DEVICES LAYOUT AND WIRING SCHEMATIC.

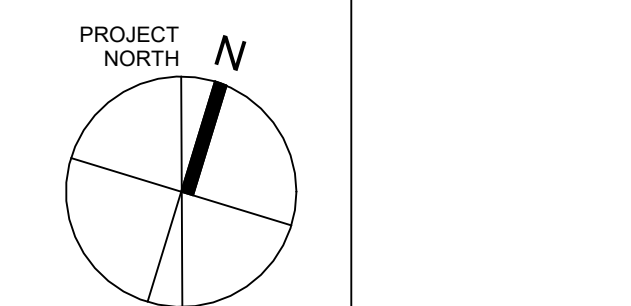


If this sheet is not 46 7/8" x 33 1/8" (1189 x 841 mm) it is a reduced print - Read dwg. accordingly.

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Drawings should not be scaled.

| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025.11.05 | ISSUED FOR 15%CD           |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2026.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.462.5002<br>Fax: 416.462.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1900<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |



STERLING HALL  
99 Cartwright Avenue, Toronto, ON M6A 1V4

## GROUND FLOOR UPPER- POWER AND COMMUNICATIONS

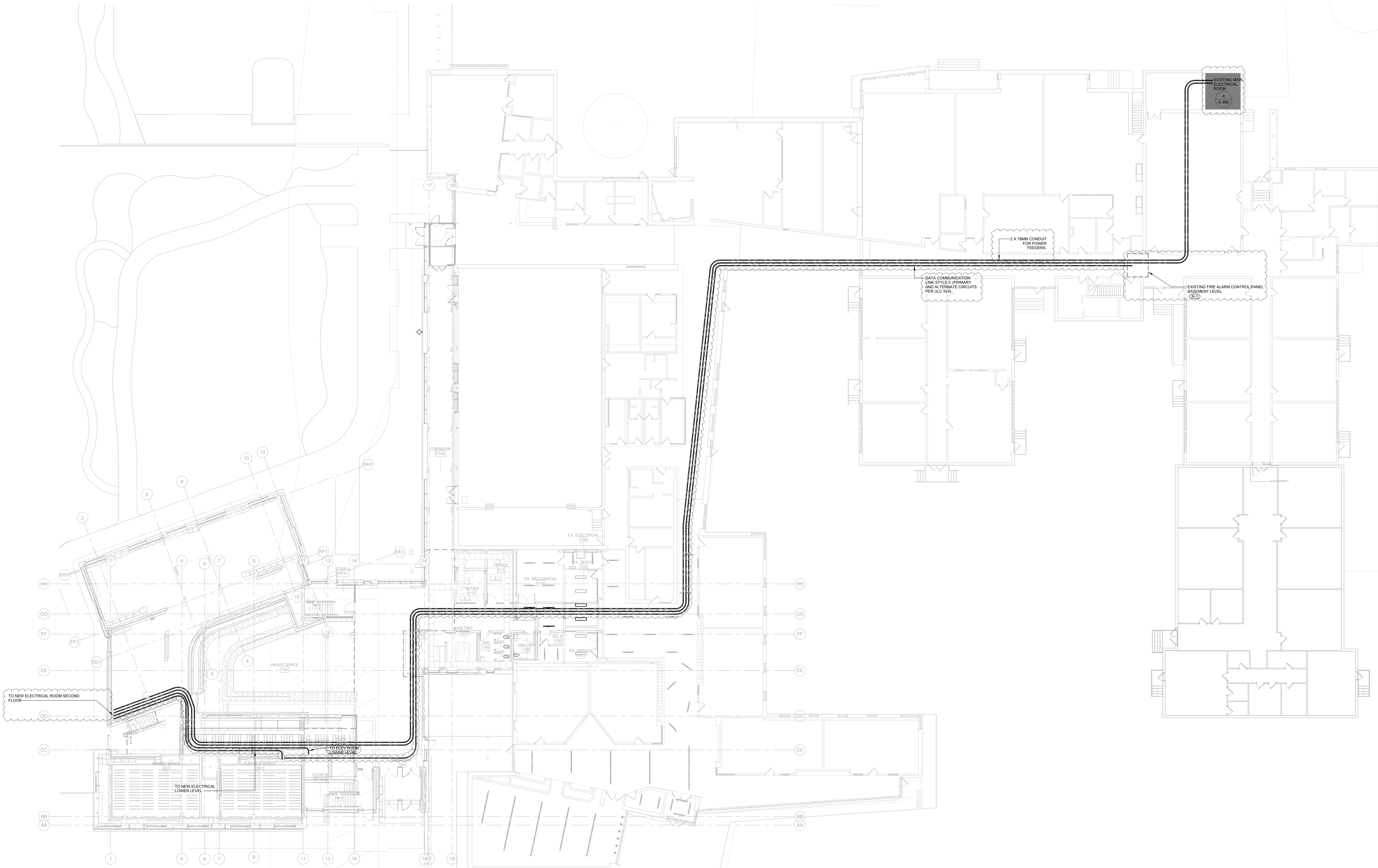
scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-401.5  
Revision: 8



|                     |                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                         |
| architect           | <p>CS&amp;P Architects Inc.<br/>2345 Yonge St. Suite 200<br/>Toronto, ON M4P 2E5<br/>Phone 416.482.5002<br/>Fax 416.482.5040</p>        |
| civil engineer      | <p>SCS Consulting Group Ltd.<br/>30 Centennial Drive, Suite 100<br/>Markham, ON L3R 8B8<br/>Phone 905.475.1900<br/>Fax 905.475.8335</p> |
| structural engineer | <p>LEA Consulting Ltd.<br/>40 University Ave., Suite 503<br/>Toronto, ON M5S 1T1<br/>Phone 905.470.0015</p>                             |
| mechanical engineer | <p>Smith + Andersen<br/>4211 Yonge Street<br/>Toronto, ON M2P 2N9<br/>Phone 416.487.8151</p>                                            |
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| landscape architect | <p>Quinn Design Associates Inc.<br/>180 John Street<br/>Toronto, ON M5T 1W5<br/>Phone 416.862.8700</p>                                  |



(N-1) REFER TO ARCHITECTURAL LOWER LEVEL AND GROUND FLOOR REFERENCE PLANS A2.00 AND A2.01 FOR PROPOSED ROUTING OF ELECTRICAL SERVICES CONNECTING ADDITION AND EXISTING BUILDING



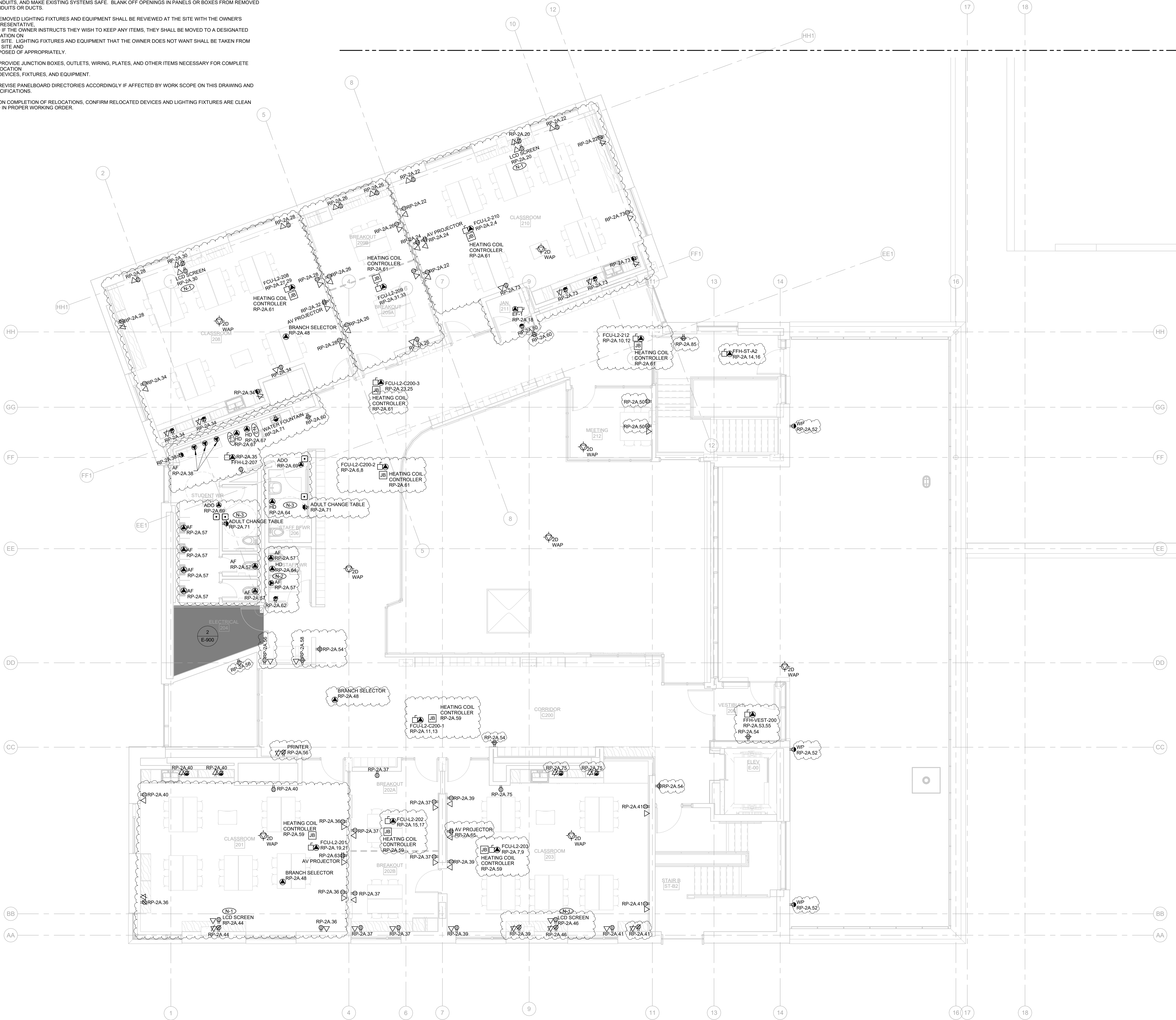


GENERAL NOTES:

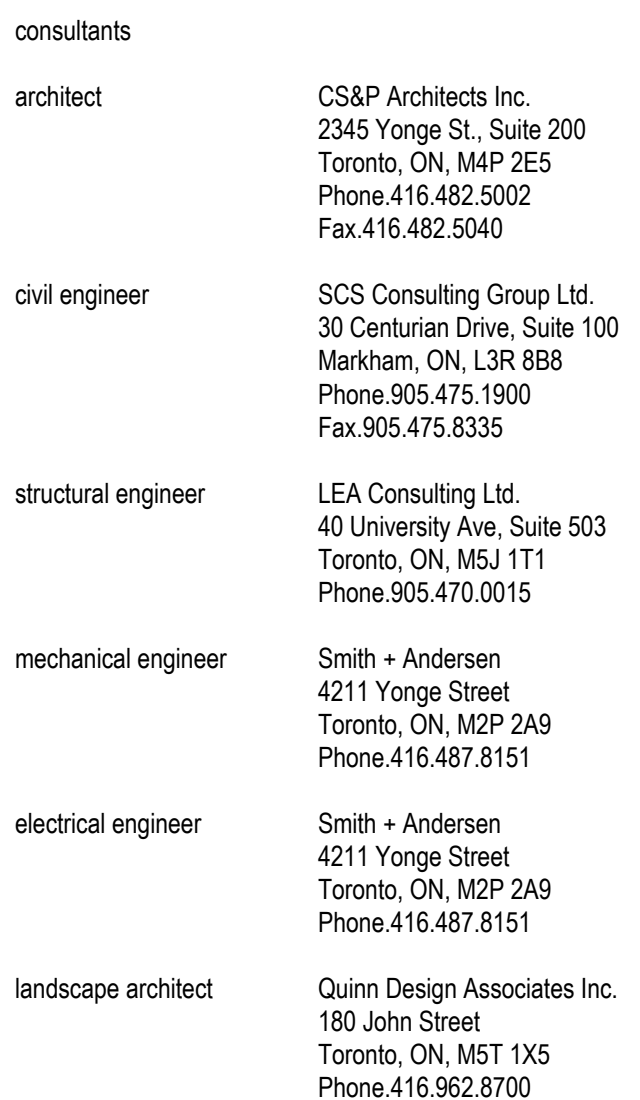
1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, DETAILS AND SPECIFICATIONS FOR DIMENSIONS, MOUNTING HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
2. THE COMPLETE EXTENT OF DEMOLITION IS NOT SHOWN. REFER TO ARCHITECT'S DRAWINGS TO DETERMINE THE COMPLETE EXTENT OF DEMOLITION. ALLOW FOR ALL COSTS.
3. ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, AND LIGHTING WITHIN BASE BUILDING ROOMS, STAIRWELLS AND AREAS DEEMED NOT IN SCOPE SHALL REMAIN LIVE AND OPERATIONAL. ELECTRICAL CONTRACTOR TO ENSURE SERVICES TO THESE AREAS ARE ISOLATED AND PROTECTED DURING THE COURSE OF DEMOLITION AND CONSTRUCTION.
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12. ON COMPLETION OF RELOCATIONS, CONFIRM RELOCATED DEVICES AND LIGHTING FIXTURES ARE CLEAN AND IN PROPER WORKING ORDER.

DRAWING NOTES:

1. RECEPTACLE AND DATA OUTLET FOR LCD SCREEN TO BE MOUNTED 40M AFF. REFER TO ARCHITECTURAL AND SYSTEM CONSULTANT'S DRAWINGS FOR MORE DETAILS.
2. PROVIDE HAND DRIVER FOR SECOND FLOOR WASHROOMS ONLY. PROVIDE ROUGH-IN FOR HAND DRYERS IN OTHER WASHROOMS.
3. REFER TO DETAIL 11E003 FOR BARRIER FREE WASHROOM DEVICES LAYOUT AND WIRING SCHEMATIC.





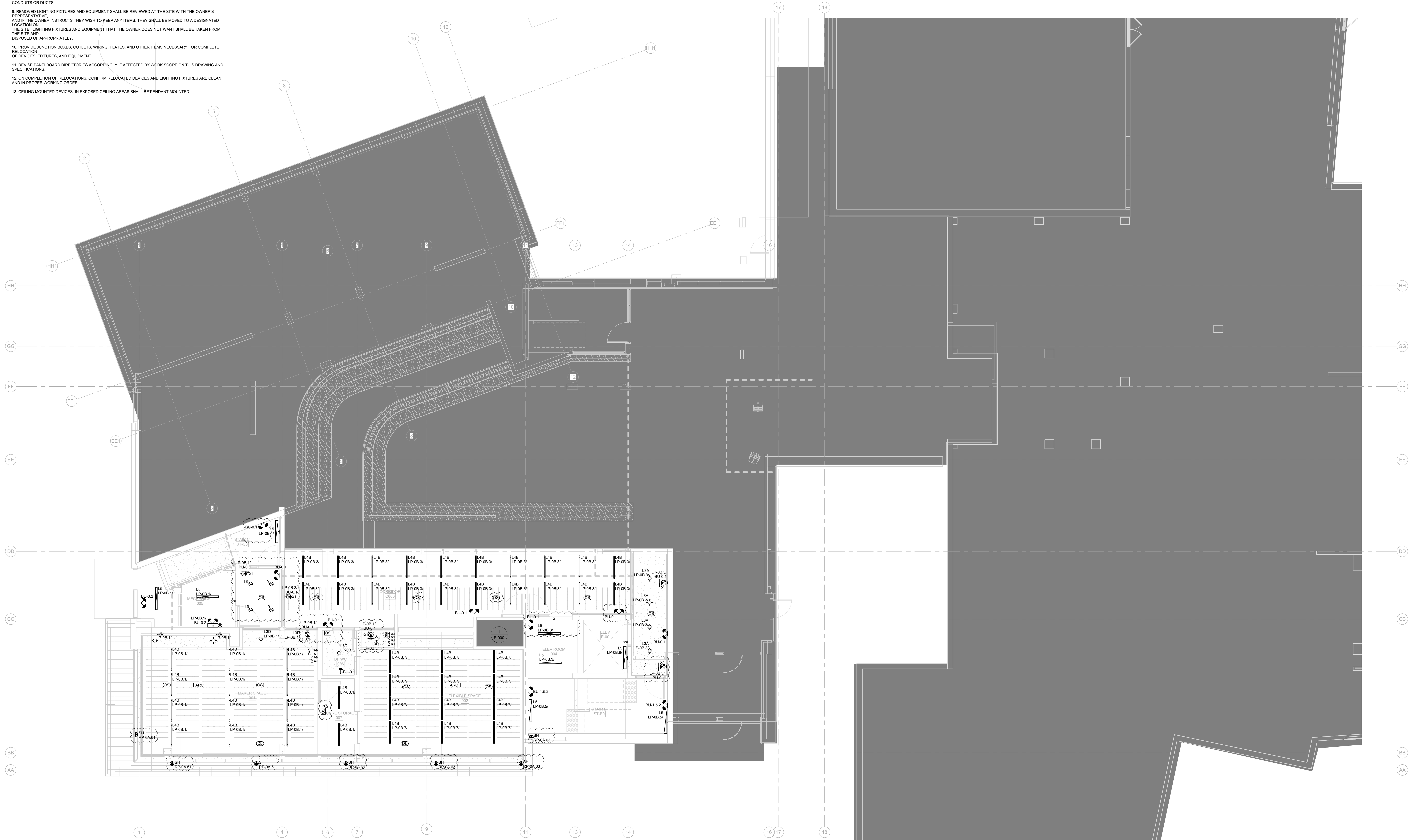


LEVEL ROOF -  
POWER AND  
COMMUNICATIONS

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-403  
Revision: 7



- GENERAL NOTES:
1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, DETAILS AND SPECIFICATIONS FOR DIMENSIONS, MOUNTING HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
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  11. REVISE PANELBOARD DIRECTORIES ACCORDINGLY IF AFFECTED BY WORK SCOPE ON THIS DRAWING AND SPECIFICATIONS.
  12. ON COMPLETION OF RELOCATIONS, CONFIRM RELOCATED DEVICES AND LIGHTING FIXTURES ARE CLEAN AND IN PROPER WORKING ORDER.
  13. CEILING MOUNTED DEVICES IN EXPOSED CEILING AREAS SHALL BE PENDANT MOUNTED.



If this sheet is not 45 7/8" x 33 1/8" (1189 x 841 mm) it is a reduced print  
- Read dwg. accordingly.

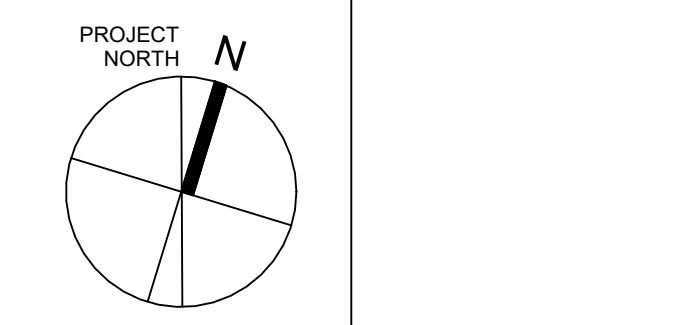
Contractors must check and verify all dimensions on the job and report any discrepancies to the Architect before proceeding with the work.

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| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025 11 05 | ISSUED FOR 15%CD           |
| 2  | 2025 12 15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026 01 30 | PROGRESS SET               |
| 4  | 2026 03 13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026 04 10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026 05 12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026 07 08 | ISSUED FOR TENDER          |
| 8  | 2026 07 22 | ADDENDUM E01               |

|                     |                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                              |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone 416 482 5002<br>Fax 416 482 5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone 905 475 1900<br>Fax 905 475 8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone 905 470 0015                           |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone 416 487 8151                                          |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone 416 487 8151                                          |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone 416 962 8700                                |



STERLING HALL  
99 Cartwright Avenue, Toronto, ON M6A 1V4

## LOWER LEVEL - LIGHTING

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-500  
Revision: 8



- GENERAL NOTES:
1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, DETAILS AND SPECIFICATIONS FOR DIMENSIONS, MOUNTING HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
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DRAWING NOTES

RECEPTACLE AND DATA OUTLET FOR LCD SCREEN TO BE MOUNTED 600 AFF. REFER TO ARCHITECTURAL DETAIL 3.1 AT 22.

CORRIDOR  
[C100]

REFER TO DRAWING E-600  
FOR CORRIDOR

OPEN TO ABOVE. REFER TO  
SECOND LEVEL FOR  
LIGHTING PLAN.

CORRIDOR  
[C100]

HEART SPACE  
[H101]

MAIN VEST  
[100]

If this sheet is not 45 7/8" x 33 1/8" (1189 x 841 mm) it is a reduced print - Read dim. accordingly.

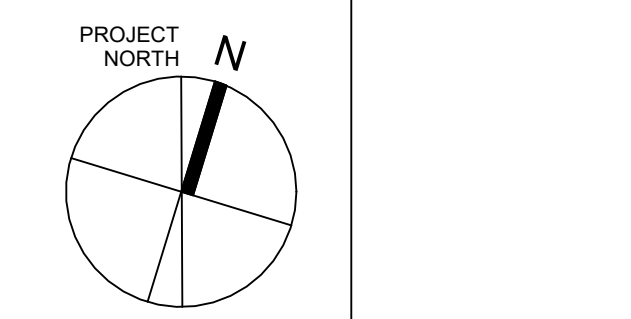
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| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025 11 05 | ISSUED FOR 15%CD           |
| 2  | 2025 12 15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026 01 30 | PROGRESS SET               |
| 4  | 2026 03 13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026 04 10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026 05 12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026 07 08 | ISSUED FOR TENDER          |
| 8  | 2026 07 22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416 462 5002<br>Fax: 416 462 5040          |
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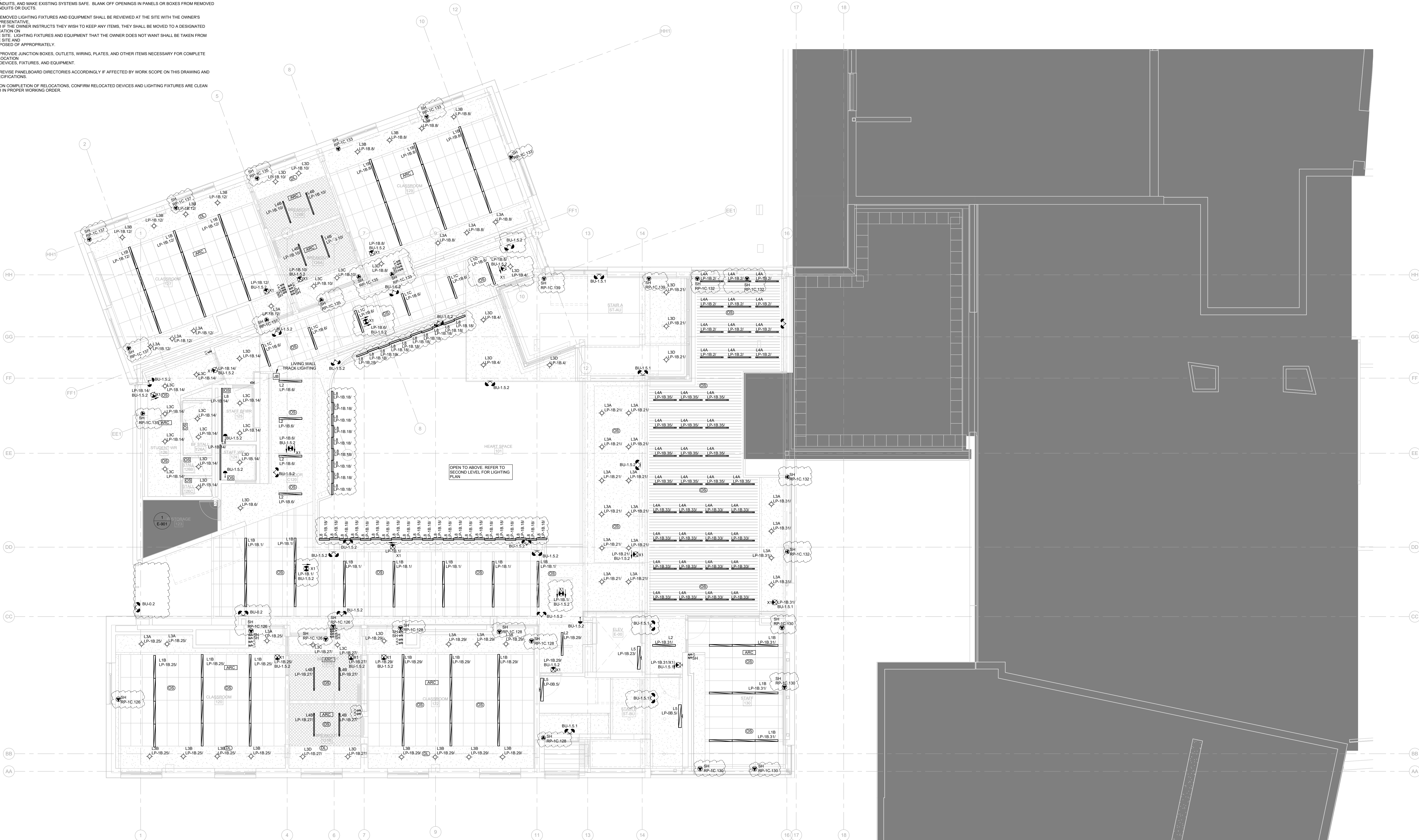
STERLING HALL  
99 Cartwright Avenue, Toronto, ON M6A 1V4

## GROUND FLOOR - LIGHTING

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-501  
Revision: 8



- GENERAL NOTES:
1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, DETAILS AND SPECIFICATIONS FOR DIMENSIONS, MOUNTING HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
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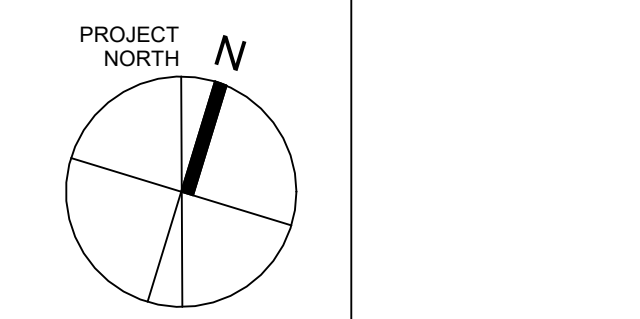
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|----|------------|----------------------------|
| 1  | 2025 11 05 | ISSUED FOR 15% CD          |
| 2  | 2025 12 15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026 01 30 | PROGRESS SET               |
| 4  | 2026 03 13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026 04 10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026 05 12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026 07 08 | ISSUED FOR TENDER          |
| 8  | 2026 07 22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416 462 5002<br>Fax: 416 462 5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905 475 1800<br>Fax: 905 475 8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905 470 0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416 487 8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416 487 8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416 962 8700                                 |



STERLING HALL  
99 Cartwright Avenue, Toronto, ON M6A 1V4

## UPPER GROUND FLOOR - LIGHTING

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-501.5  
Revision 8



| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025 11 06 | ISSUED FOR 15%CD           |
| 2  | 2025 12 15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026 01 30 | PROGRESS SET               |
| 4  | 2026 03 13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026 04 04 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026 05 12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026 07 08 | ISSUED FOR TENDER          |
| 8  | 2026 07 22 | ADDENDUM E01               |

|                     |                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                             |
| architect           | C&S-P Architects Inc.<br>2345 Yonge Street, Suite 200<br>Toronto, ON M4P 2E5<br>Phone 416 462 5002<br>Fax 416 482 5040      |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON L3R 8B8<br>Phone 905 475 1900<br>Fax 905 475 8333 |
| structural engineer | LEA Consulting Inc.<br>40 University Ave, Suite 503<br>Toronto, ON M5J 1H1<br>Phone 905 470 0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON M2P 2A9<br>Phone 416 487 8151                                          |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON M2P 2A9<br>Phone 416 487 8151                                          |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON M5T 1X3<br>Phone 416 592 8700                                |

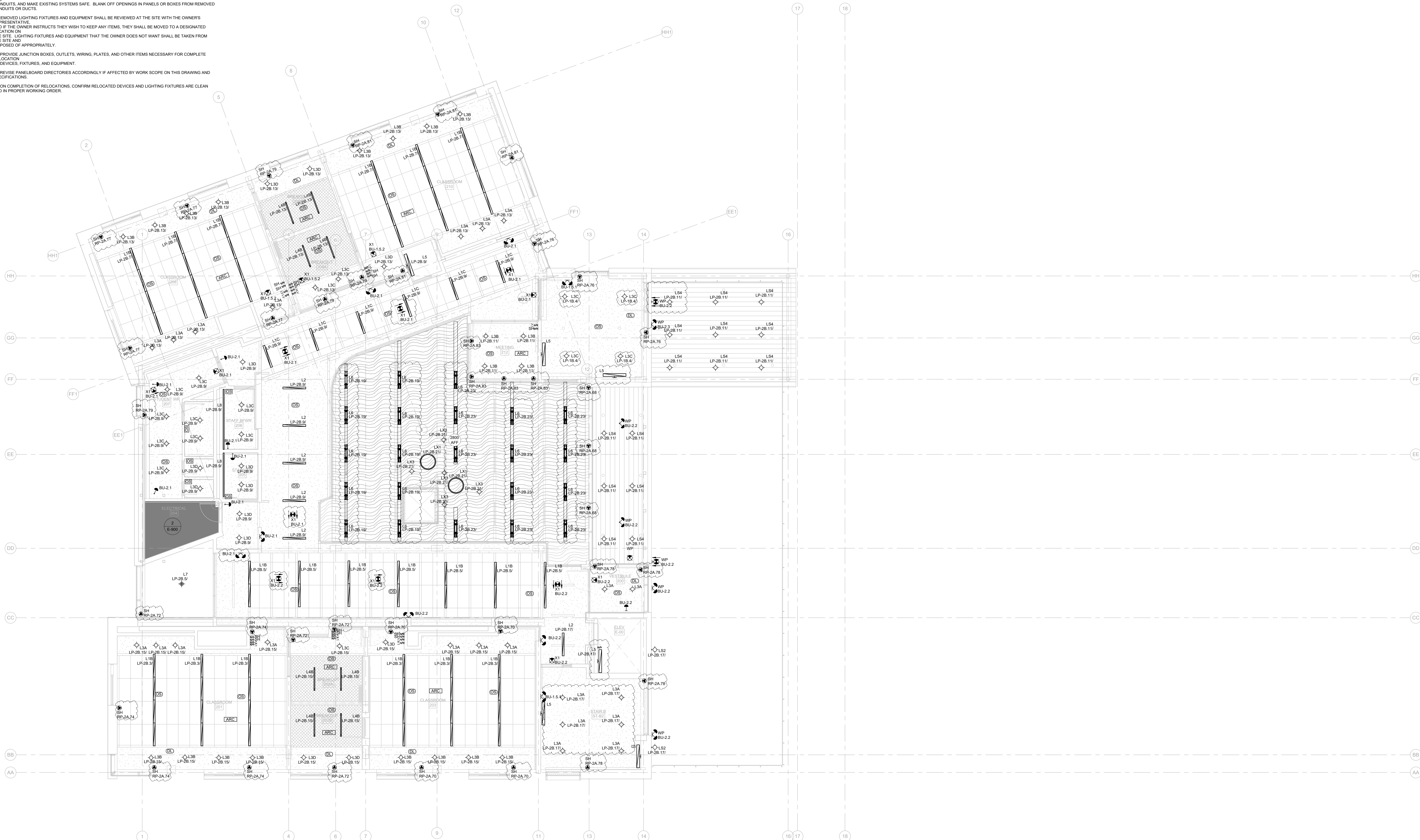


## SECOND LEVEL - LIGHTING

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-502  
Revision: 8

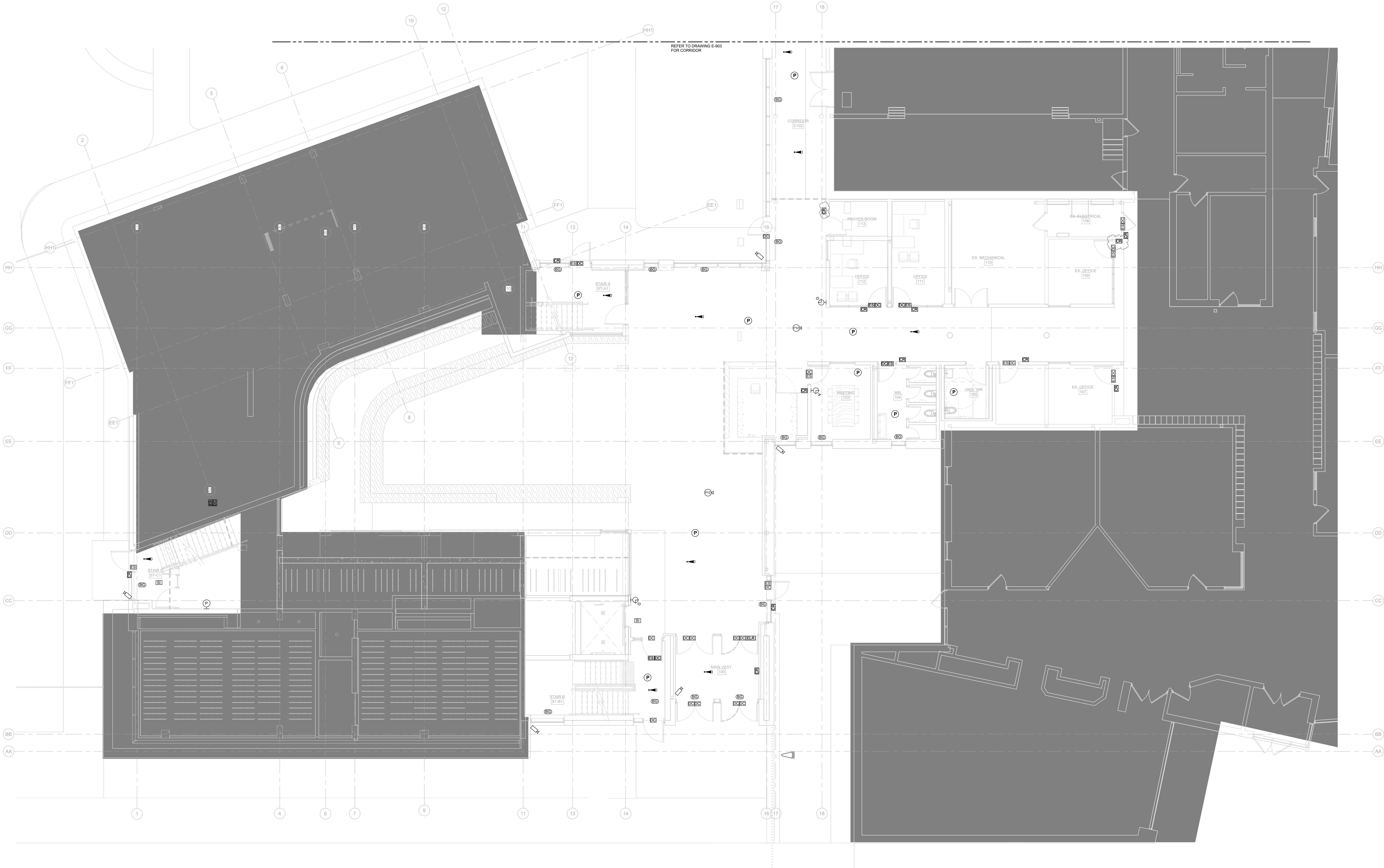
GENERAL NOTES:

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, SCHEDULES AND SPECIFICATIONS FOR DIMENSIONS, MOUNTING HEIGHTS, CONSTRUCTION DETAILING, FINISHES AND COLOURS.
2. THE COMPLETE EXISTENCE OF DEMOLITION IS NOT SHOWN, REFER TO ARCHITECTS DRAWINGS TO DETERMINE THE COMPLETE DEMOLITION SCHEDULE, ALLOW FOR ALL COSTS.
3. ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, AND LIGHTING WITHIN BASE BUILDING ROOMS, STAIRWELLS, AND AREAS DEEMED NOT IN SCOPE SHALL REMAIN LIVE AND OPERATIONAL. ELECTRICAL DEVICES AND FINISH SERVICES TO THESE AREAS ARE ISOLATED AND PROTECTED DURING THE COURSE OF DEMOLITION AND CONSTRUCTION.
4. CONNECTIONS TO EXISTING SYSTEMS TO BE MADE AT APPROVED TIMES, OBTAIN WRITTEN APPROVAL FROM THE OWNER PRIOR TO ANY CONNECTIONS LOCATED OUTSIDE THE AREAS REQUIRING DEMOLITION. EXISTING BUILDING SYSTEMS ARE DONE DURING SUMMER SCHEDULE OR AFTER HOURS WITH ALL HOURS OF OPERATION OF THE BUILDING.
5. BE RESPONSIBLE FOR ANY DAMAGES CAUSED TO EXISTING SYSTEMS WHEN MAKING CONNECTIONS.
6. RELOCATE EXISTING PIPES, DUCTS, CONDENSATES, BUD DUCTS, AND ANY OTHER EQUIPMENT OR SERVICES REQUIRED FOR THE PROPER INSTALLATION OF NEW WORK.
7. MAINTAIN OR RELOCATE EXISTING SERVICES WHICH PASS THROUGH THE AREA OF RENOVATION. THE OWNER WILL BE RESPONSIBLE FOR ANY DAMAGES CAUSED TO EXISTING AREAS REQUIRING DEMOLITION TO THE ORIGINAL COURSE.
8. MAINTAIN OR RELOCATE EXISTING FIXTURES, WIRING, DEVICES, AND EQUIPMENT TO SUITE NEW CONSTRUCTION. CUT BACK AND CAP CONDENSATES AND ELECTRICAL OUTLETS NOT BEING USED SO THAT FINISHED WORK IS NEAT AND CAN APPEAR DISCREPANT AT POINT OF ELECTRICAL SUPPLY. REMOVE OBSOLETE WIRING, CONDENSATES, AND MAKE EXISTING SYSTEMS SAFE. BLANK OFF REVENUES IN PANELS OR BOXES FROM REMOVE OR DISCONNECTED EQUIPMENT.
9. REMOVED LIGHTING EQUIPMENT SHALL BE OBSERVED AT THE SITE WITH THE OWNER'S REPRESENTATIVE.
10. THE OWNER WILL INSTRUCTS THEIR WISH TO KEEP ANY ITEMS. THEY SHALL BE MOVED TO A DESIGNATED LOCATION ON THE PROJECT SITE.
11. REMOVE EXISTING FIXTURES, WIRING, DEVICES, AND EQUIPMENT THAT THE OWNER DOES NOT WANT SHALL BE TAKEN FROM THE SITE AND DISPOSED OF APPROPRIATELY.
12. REMOVE, JOIN, PUNCTURE, JOINS, WIRING, PIPING, PIPES, AND OTHER ITEMS NECESSARY FOR COMPLETE RELOCATION OF DEVICES, FIXTURES AND EQUIPMENT.
13. REVISE PANELBOARD DIRECTORIES ACCORDINGLY IF AFFECTED BY WORK SCOPE ON THIS DRAWING AND SPECIFICATIONS.
14. ON COMPLETION OF RELOCATIONS, CONFIRM RELOCATED DEVICES AND LIGHTING FIXTURES ARE CLEAR





- GENERAL NOTES:
1. PROVIDE 27MM CONDUIT TO EACH ACCESS CONTROLLED DOOR FROM THE COMMUNICATION AND SECURITY PANELS IN THE IT STORAGE ROOM. ACCESS CONTROLLED DOORS SHALL HAVE INDIVIDUAL CONDUITS.
  2. PROVIDE 27MM CONDUIT FROM THE IT STORAGE ROOM TO THE ELEVATOR MACHINE ROOM. COORDINATE ON-SITE WITH THE ELEVATOR CONTRACTOR.
  3. PROVIDE CABLE TRAYS OR HOOKS FOR CCTV CAMERA, INTERCOM, CLOCKS, WAPs, GLAS BREAKS, MOTION SENSORS, STANDALONE DOOR CONTACTS, SIRENS AND PANIC/PULL DEVICES IN ACCESSIBLE CEILINGS AND MIN. 21MM CONDUIT FOR EXPOSED OR INACCESSIBLE CEILINGS.
  4. PROVIDE CONDUIT FOR PAGING SPEAKERS PER ZONE. PAGING SYSTEM DESIGN DRAWINGS BY OTHERS.



Smith + Andersen  
1100 - 100 Sheppard Ave. East, Toronto ON M2N 6N5  
416-487-8151 smithandersen.com

If this sheet is not 45 7/8" x 33 1/8" (1189 x 841 mm) it is a reduced print  
- Read dwg. accordingly.

Contractors must check and verify all dimensions on the job and report any discrepancies to the Architect before proceeding with the work.  
All prints and specifications are the property of the Architect and must be returned at the completion of the work.

Drawings should not be scaled.

| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025.11.05 | ISSUED FOR 15%CD           |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2026.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

#### consultants

##### architect

CS&P Architects Inc.  
2345 Yonge St., Suite 200  
Toronto, ON, M4P 2E5  
Phone: 416.462.5002  
Fax: 416.462.5040

##### civil engineer

SCS Consulting Group Ltd.  
30 Centurian Drive, Suite 100  
Markham, ON, L3R 8B8  
Phone: 905.475.1800  
Fax: 905.475.8335

##### structural engineer

LEA Consulting Ltd.  
40 University Ave., Suite 503  
Toronto, ON, M5J 1T1  
Phone: 905.470.0015

##### mechanical engineer

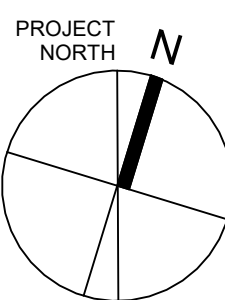
Smith + Andersen  
4211 Yonge Street  
Toronto, ON, M2P 2A9  
Phone: 416.487.8151

##### electrical engineer

Smith + Andersen  
4211 Yonge Street  
Toronto, ON, M2P 2A9  
Phone: 416.487.8151

##### landscape architect

Quinn Design Associates Inc.  
180 John Street  
Toronto, ON, M5T 1X5  
Phone: 416.962.8700



CS&P Architects

#### STERLING HALL

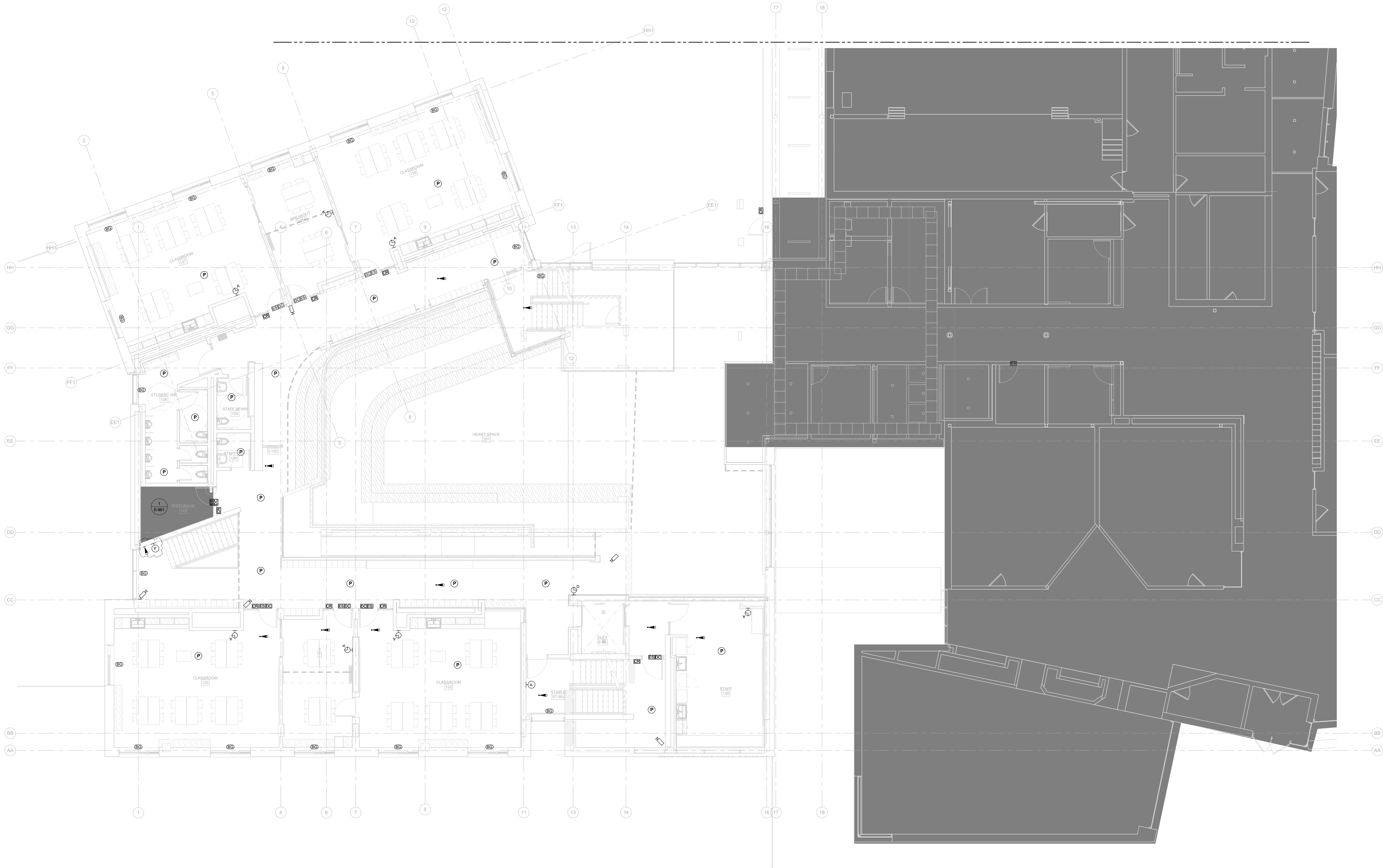
99 Cartwright Avenue, Toronto, ON M6A 1V4

## GROUND FLOOR - SECURITY

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-601  
Revision: 8



- GENERAL NOTES:
1. PROVIDE 27MM CONDUIT TO EACH ACCESS CONTROLLED DOOR FROM THE COMMUNICATION AND SECURITY PANELS IN THE IT STORAGE ROOM. ACCESS CONTROLLED DOORS SHALL HAVE INDIVIDUAL CONDUITS.
  2. PROVIDE 27MM CONDUIT FROM THE IT STORAGE ROOM TO THE ELEVATOR MACHINE ROOM. COORDINATE ON-SITE WITH THE ELEVATOR CONTRACTOR.
  3. PROVIDE CABLE TRAYS OR J-HOOKS FOR CCTV CAMERA, INTERCOM, CLOCKS, WAPs, GLAS BREAKs, MOTION SENSORS, STANDALONE DOOR CONTACTS, SIRENS AND PANIC/PULL DEVICES IN ACCESSIBLE CEILINGS AND MIN. 21MM CONDUIT FOR EXPOSED OR INACCESSIBLE CEILINGS.
  4. PROVIDE CONDUIT FOR PAGING SPEAKERS PER ZONE. PAGING SYSTEM DESIGN DRAWINGS BY OTHERS.



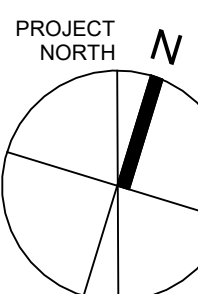
Smith + Andersen  
1100 - 105 Sheppard Ave. East, Toronto ON M2N 6N5  
416-487-8151 smithandersen.com

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| 1  | 2025.11.05 | ISSUED FOR 15%CD           |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2026.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.482.5002<br>Fax: 416.482.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1900<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |



CS&P Architects

STERLING HALL

99 Cartwright Avenue, Toronto, ON M6A 1V4

## UPPER GROUND FLOOR-SECURITY

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-601.5  
Revision: 8



- GENERAL NOTES:
1. PROVIDE 27MM CONDUIT TO EACH ACCESS CONTROLLED DOOR FROM THE COMMUNICATION AND SECURITY PANELS IN THE IT STORAGE ROOM. ACCESS CONTROLLED DOORS SHALL HAVE INDIVIDUAL CONDUITS.
  2. PROVIDE 27MM CONDUIT FROM THE IT STORAGE ROOM TO THE ELEVATOR MACHINE ROOM. COORDINATE ON-SITE WITH THE ELEVATOR CONTRACTOR.
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  4. PROVIDE CONDUIT FOR PAGING SPEAKERS PER ZONE. PAGING SYSTEM DESIGN DRAWINGS BY OTHERS.



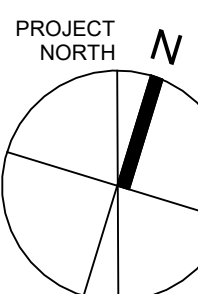
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1100 - 105 Sheppard Ave. East, Toronto ON M2N 6N5  
416-487-8151 smithandersen.com

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| 1  | 2025.11.05 | ISSUED FOR 15%CD           |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2025.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2025.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2025.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2025.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.462.5002<br>Fax: 416.462.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1800<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |



CS&P Architects

STERLING HALL

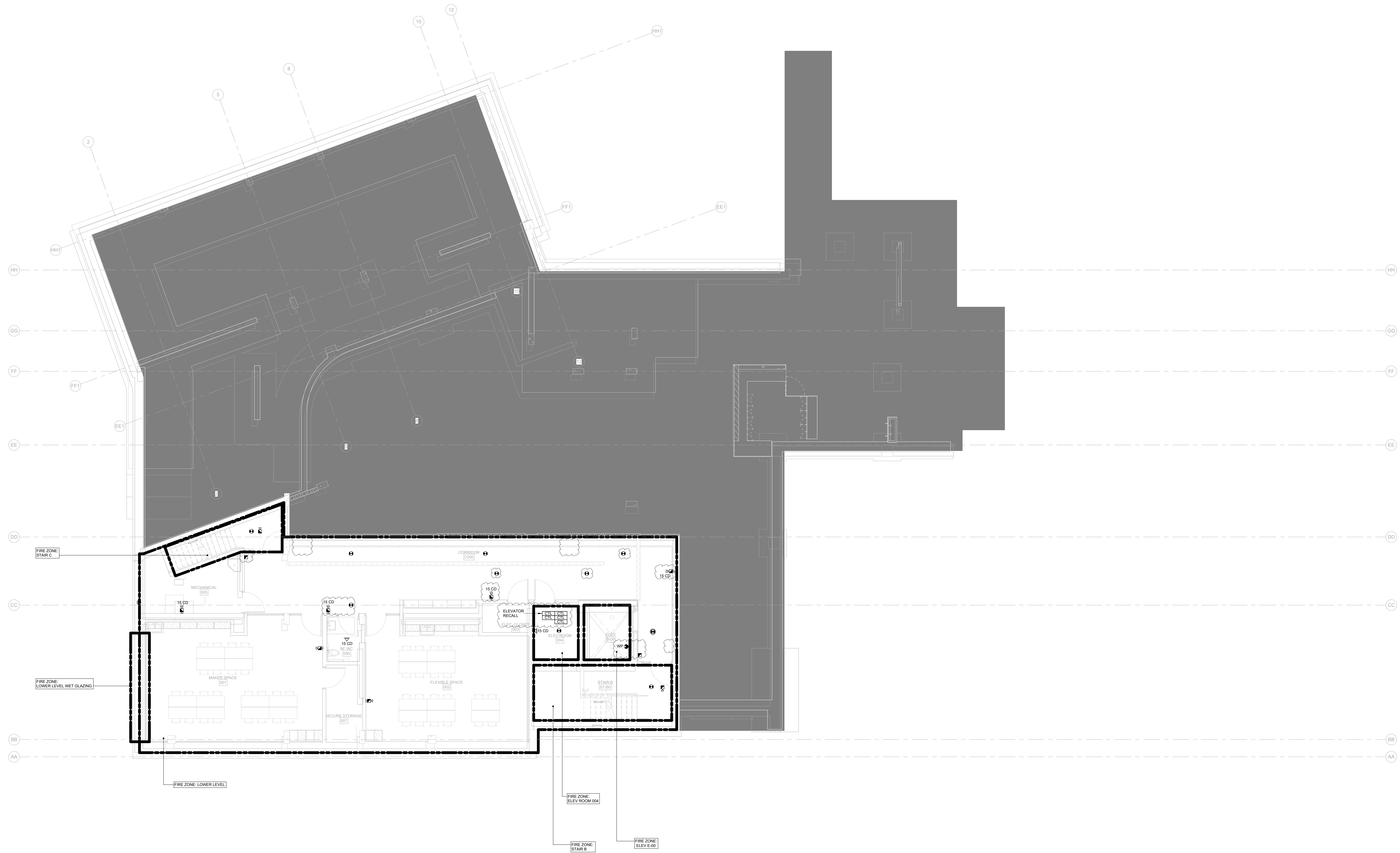
99 Cartwright Avenue, Toronto, ON M6A 1V4

## SECOND FLOOR- SECURITY

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-602  
Revision: 8



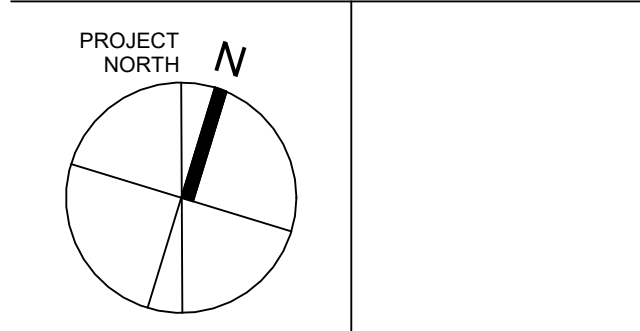
GENERAL NOTES:  
1. ALL PULL STATIONS SHALL BE THE MIRCOM MS-401 SERIES.



If this sheet is not 46 7/8" x 33 1/8" (1189 x 841 mm) It is a reduced print  
- Read dwg. accordingly.  
Contractors must check and verify all dimensions on the job and report any discrepancies to the Architect before proceeding with the work.  
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Drawings should not be scaled.

| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025.11.05 | ISSUED FOR 15%CD           |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2026.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.482.5002<br>Fax: 416.482.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1800<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |



STERLING HALL  
99 Cartwright Avenue, Toronto, ON M6A 1V4

## LOWER LEVEL - FIRE ALARM

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-700  
Revision: 8



| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025 11 05 | ISSUED FOR 15%CD           |
| 2  | 2025 12 15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026 01 30 | PROGRESS SET               |
| 4  | 2026 03 13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026 04 10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026 05 12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026 07 08 | ISSUED FOR TENDER          |
| 8  | 2026 07 22 | ADDENDUM E01               |

consultants

architect CS&P Architects Inc.  
2345 Yonge St., Suite 200  
Toronto, ON, M4P 2E5  
Phone.416.482.5002  
Fax.416.482.5040

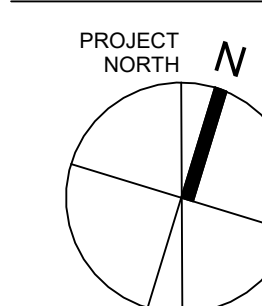
civil engineer      SCS Consulting Group Ltd.  
30 Centurian Drive, Suite 100  
Markham, ON, L3R 8B8  
Phone.905.475.1900  
Fax.905.475.8335

structural engineer LEA Consulting Ltd.  
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Toronto, ON, M5J 1T1  
Phone: 905.470.0015

mechanical engineer      Smith + Andersen  
4211 Yonge Street  
Toronto, ON, M2P 2A9  
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electrical engineer      Smith + Andersen  
4211 Yonge Street  
Toronto, ON, M2P 2A9  
Phone.416.487.8151

landscape architect  
Quinn Design Associates Inc.  
180 John Street  
Toronto, ON, M5T 1X5  
Phone 416.962.8700



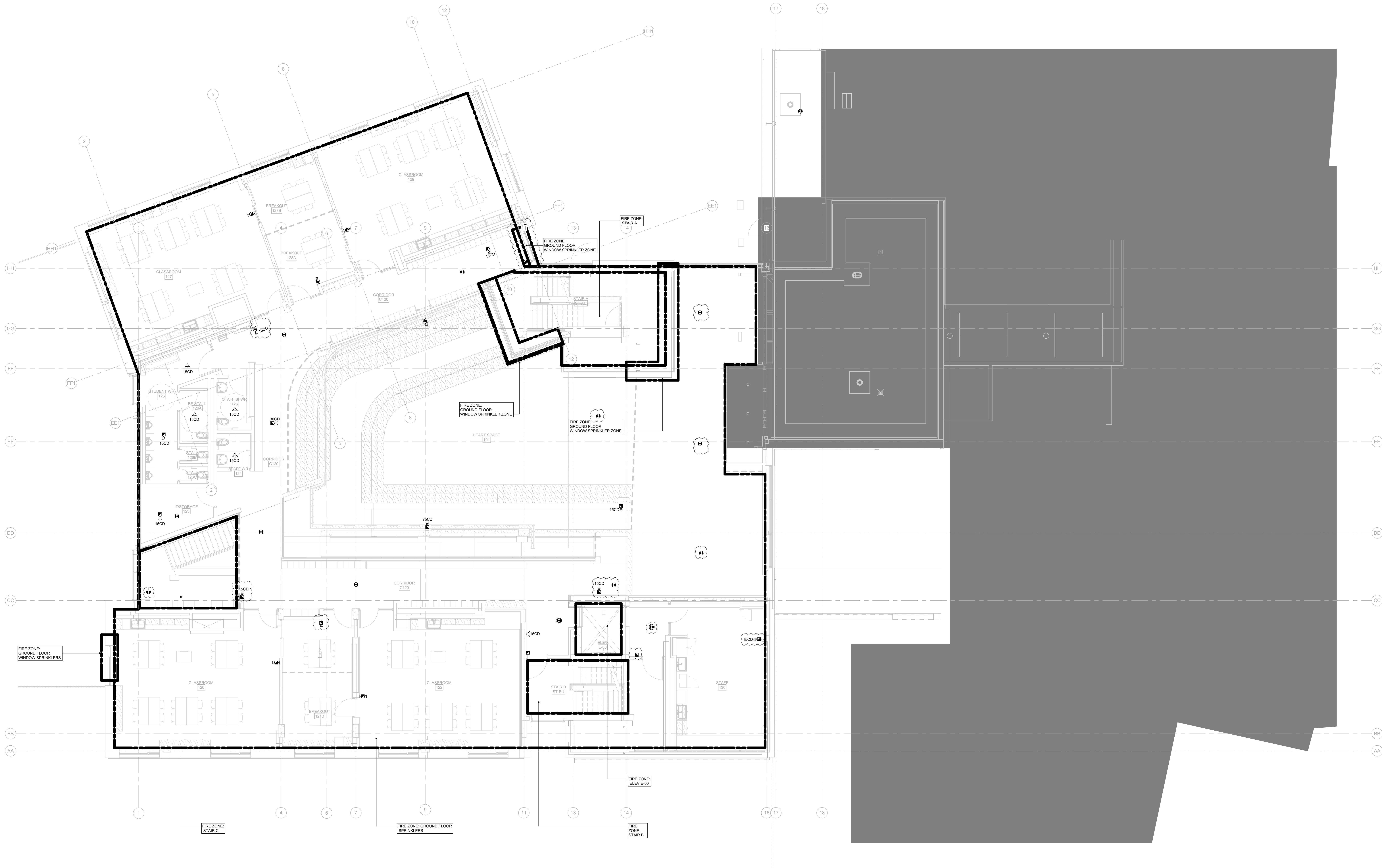
SHS  
CS&P Architects

STERLING HALL  
99 Cartwright Avenue, Toronto, ON M6A 1V4

## GROUND FLOOR - FIRE ALARM

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-701  
Revision: 8





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1100 - 1105 Sheppard Ave. East, Toronto ON M2N 6N5  
416-487-8151 smithandersen.com

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- Read dwg. accordingly.

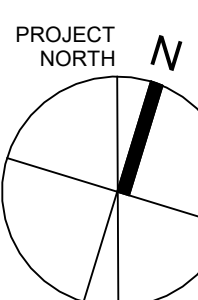
Contractors must check and verify all dimensions on the job and report any discrepancies to the Architect before proceeding with the work.  
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Drawings should not be scaled.

| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2025.11.05 | ISSUED FOR 15%CD           |
| 2  | 2025.12.15 | 30% CONSTRUCTION DOCUMENTS |
| 3  | 2026.01.30 | PROGRESS SET               |
| 4  | 2026.03.13 | ISSUED FOR BUILDING PERMIT |
| 5  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 6  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 7  | 2026.07.08 | ISSUED FOR TENDER          |
| 8  | 2026.07.22 | ADDENDUM E01               |

## consultants

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.462.5002<br>Fax: 416.462.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1800<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |



CS&amp;P Architects

## STERLING HALL

99 Cartwright Avenue, Toronto, ON M6A 1V4

UPPER GROUND  
FLOOR-FIRE  
ALARM

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-701.5  
Revision: 8







| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2026.04.10 | 75% CONSTRUCTION DOCUMENTS |
| 2  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 3  | 2026.07.08 | ISSUED FOR TENDER          |
| 4  | 2026.07.22 | ADDENDUM E01               |

consultants

architect

civil engineer

structural engineer

mechanical engineer

electrical engineer

landscape architect

Phone: 416.962.8700



STERLING HALL

99 Cartwright Avenue, Toronto, ON M6A 1V4

## GROUND FLOOR - DEMO PLAN

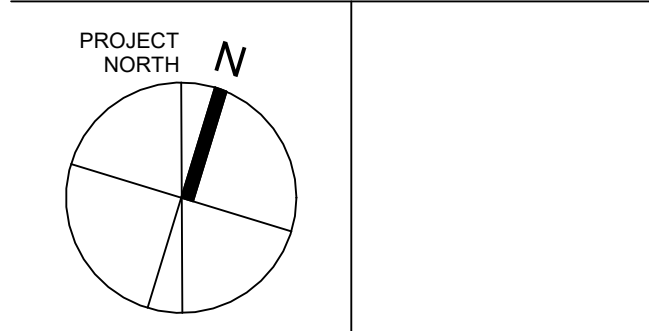
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date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-801  
Revision: 4





| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 2  | 2026.07.08 | ISSUED FOR TENDER          |
| 3  | 2026.07.22 | ADDENDUM E01               |

|                     |                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                             |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON M2P 2E5<br>Phone 416 462-5092<br>Fax 416 482-5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON L3R 8B8<br>Phone 905 475 1900<br>Fax 905 475 8335 |
| structural engineer | LEA Consulting Inc.<br>40 University Ave., Suite 503<br>Toronto, ON M5J 1T1<br>Phone 905 470 0015                           |
| mechanical engineer | Smith + Anderson<br>4211 Yonge Street<br>Toronto, ON M2P 2A9<br>Phone 416 487 8151                                          |
| electrical engineer | Smith + Anderson<br>4211 Yonge Street<br>Toronto, ON M2P 2A9<br>Phone 416 487 8151                                          |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON M5T 1X5<br>Phone 416 962 8700                                |

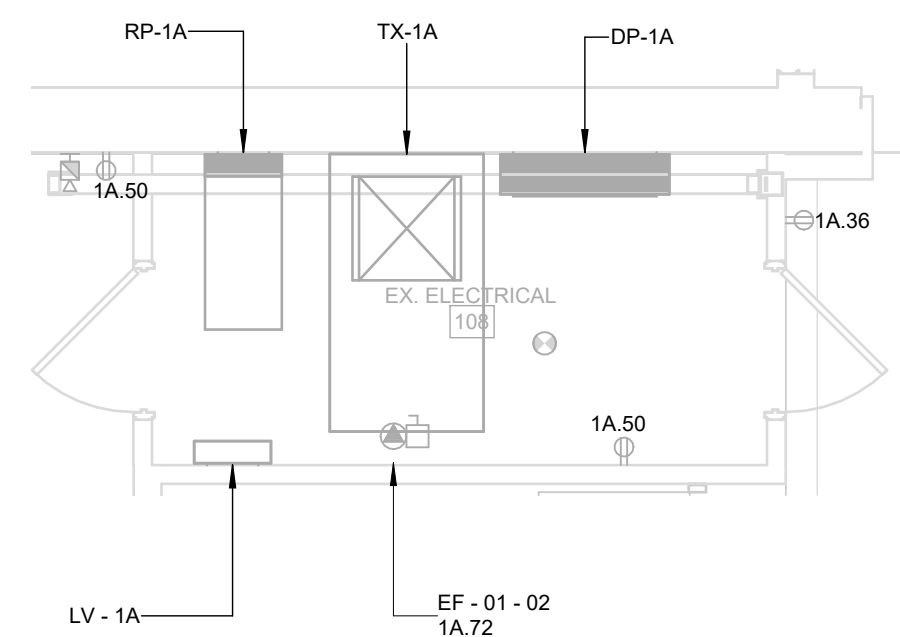


SHS  
GS&P Architects

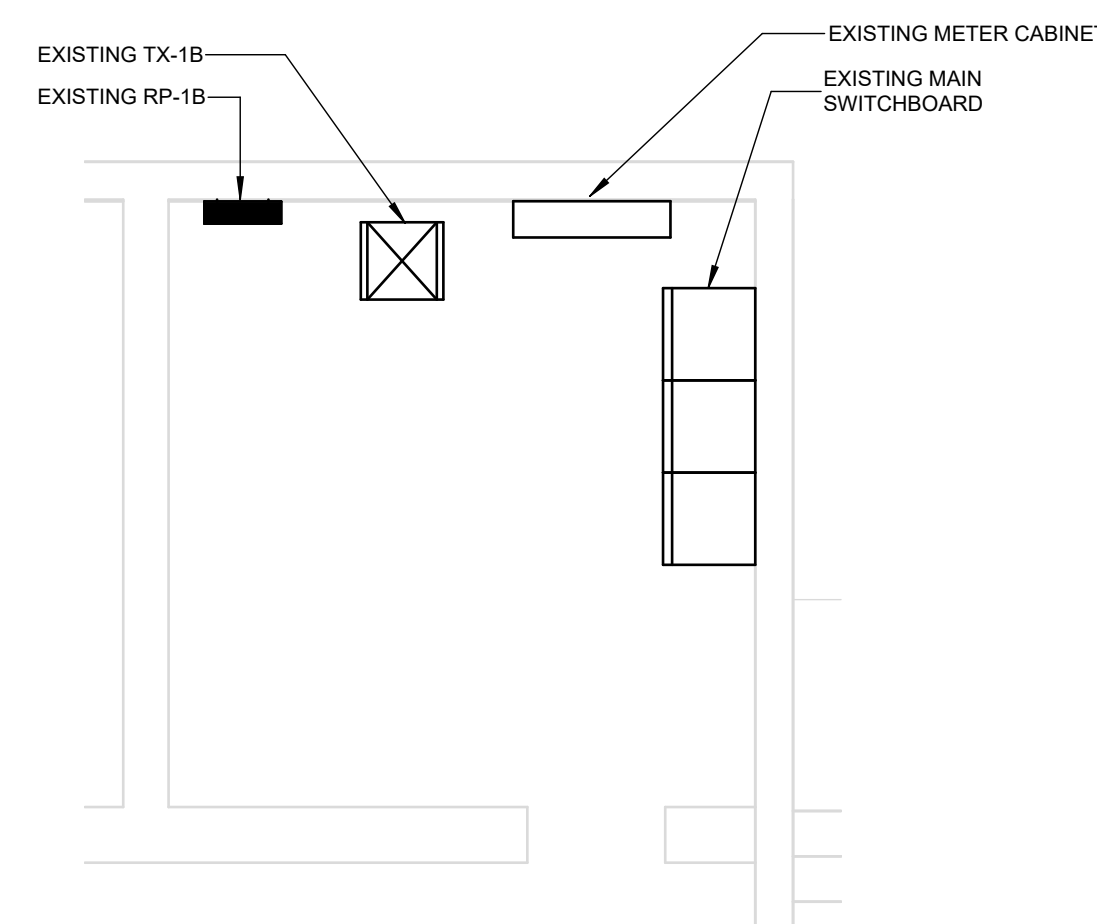
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99 Cartwright Avenue, Toronto, ON M6A 1V4

## PART PLANS - ELECTRICAL

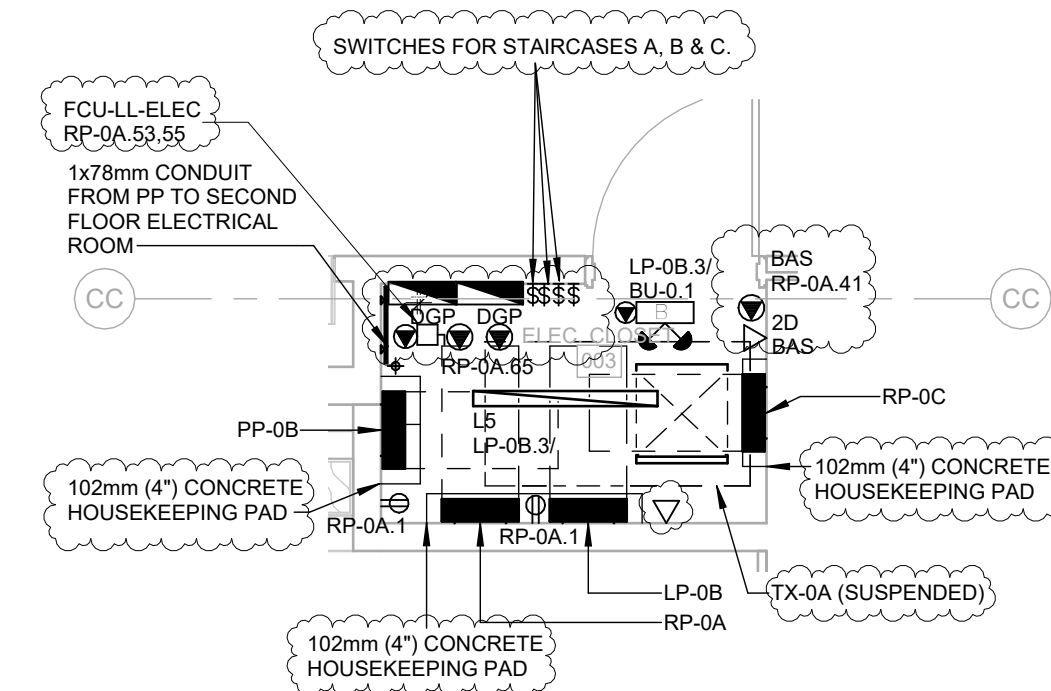
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date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-900  
Revision: 3



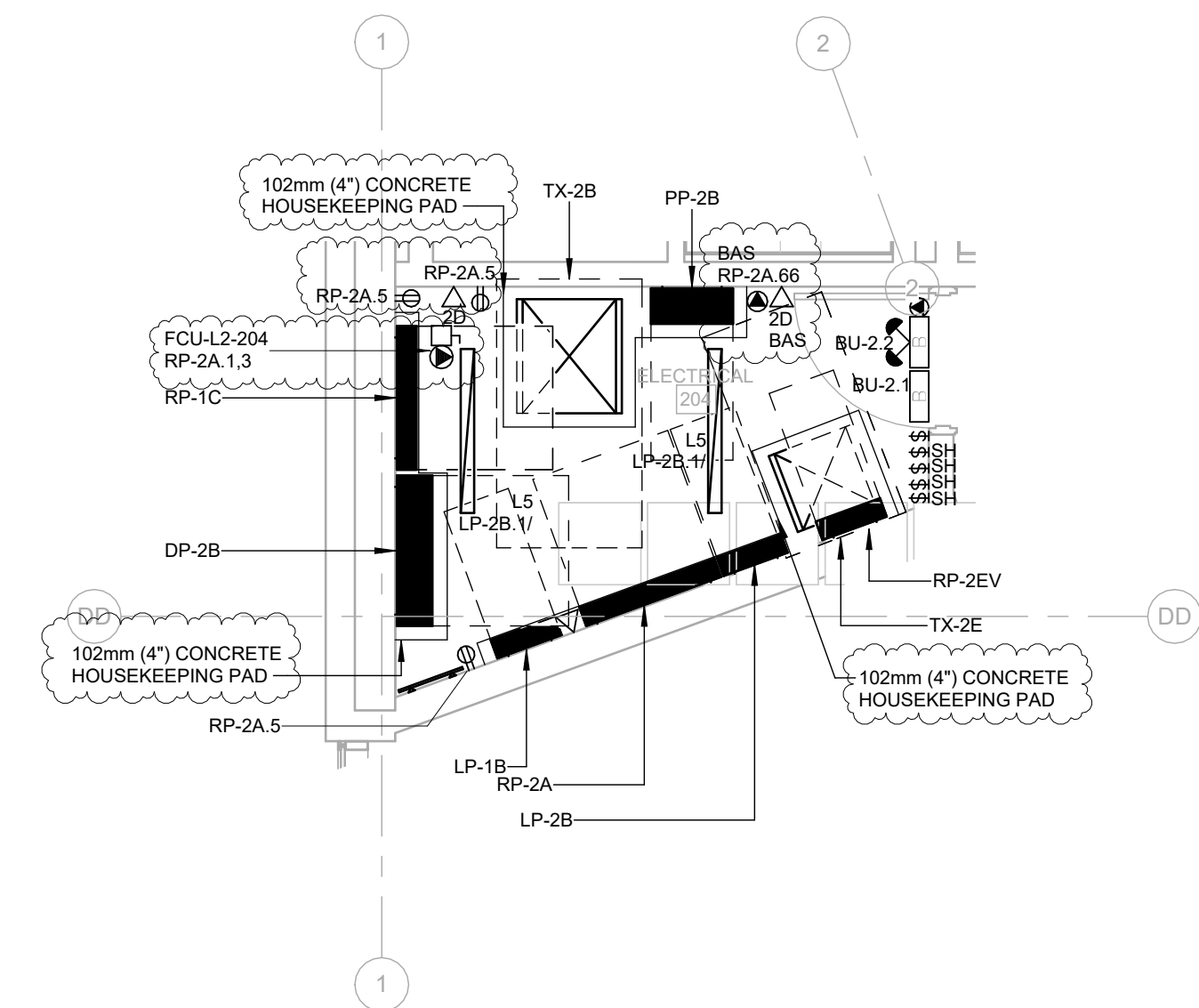
3 GROUND LEVEL - EXISTING ELECTRICAL ROOM  
E-900 1:50



4 STOARGE X113 (ELECTRICAL ROOM) LAYOUT  
E-900 1:50



1 LOWER LEVEL - ELECTRICAL CLOSET  
E-900 1 : 50



2 SECOND LEVEL - ELECTRICAL ROOM  
E-900 1:50



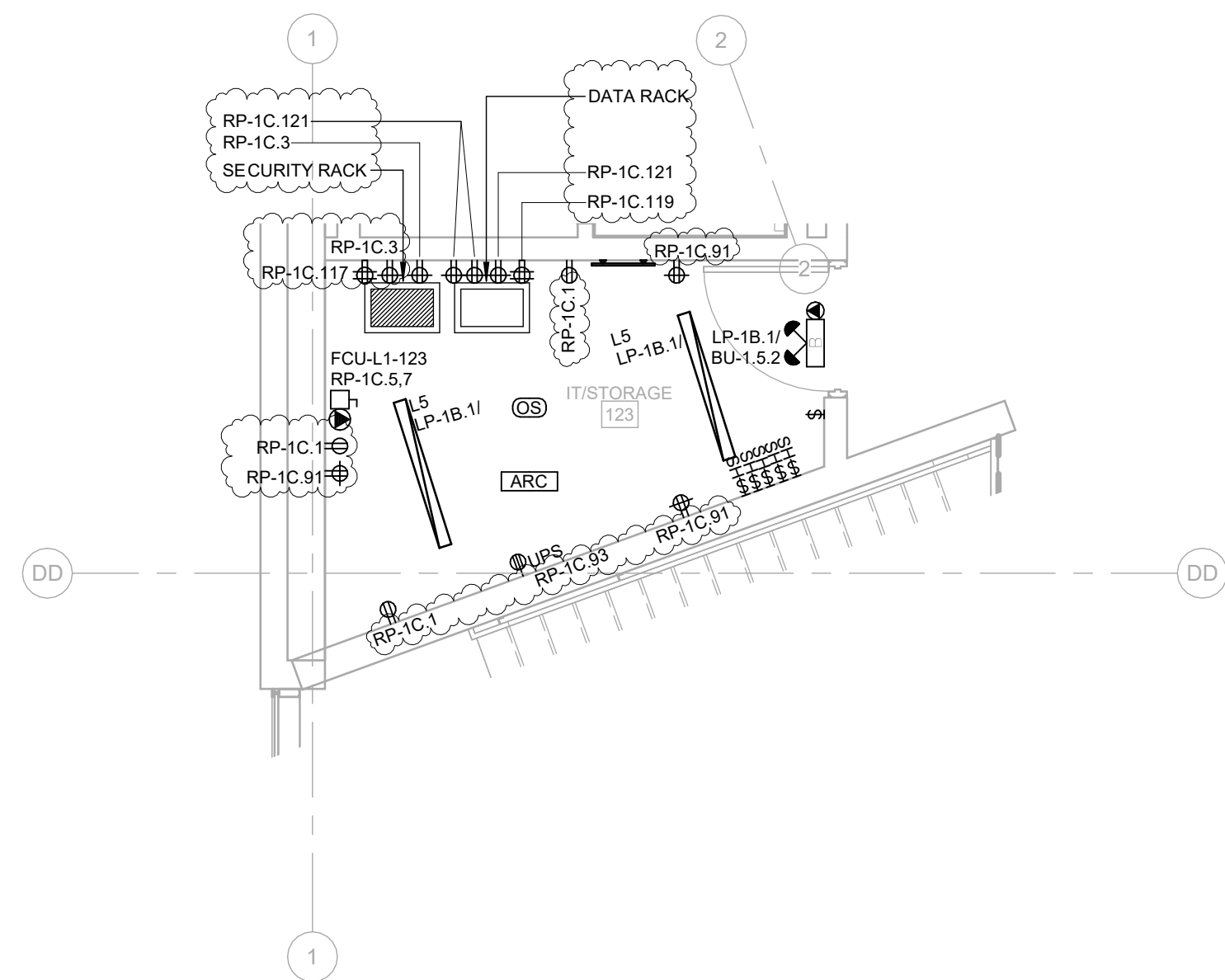
If this sheet is not 46 7/8" x 33 1/8" (1189 x 841 mm) it is a reduced print  
- Read dwg. accordingly.

Contractors must check and verify all dimensions on the job and report any discrepancies to the Architect before proceeding with the work.

All prints and specifications are the property of the Architect and must be returned at the completion of the work.

Drawings should not be scaled.

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|----|------------|----------------------------|
| 1  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 2  | 2026.07.08 | ISSUED FOR TENDER          |
| 3  | 2026.07.22 | ADDENDUM E01               |



1 GROUND FLOOR UPPER - IT/STORAGE ROOM  
E-901 1:50

consultants

architect CS&P Architects Inc.  
2345 Yonge St., Suite 200  
Toronto, ON, M4P 2E5  
Phone.416.482.5002  
Fax.416.482.5040

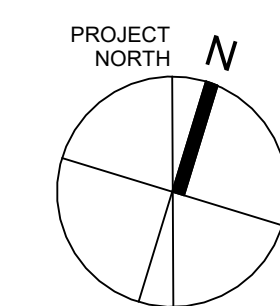
civil engineer      SCS Consulting Group Ltd.  
30 Centurian Drive, Suite 100  
Markham, ON, L3R 8B8  
Phone: 905.475.1900  
Fax: 905.475.8335

structural engineer LEA Consulting Ltd.  
40 University Ave, Suite 503  
Toronto, ON, M5J 1T1  
Phone.905.470.0015

mechanical engineer      Smith + Andersen  
4211 Yonge Street  
Toronto, ON, M2P 2A9  
Phone.416.487.8151

electrical engineer      Smith + Andersen  
4211 Yonge Street  
Toronto, ON, M2P 2A9  
Phone: 416.487.8151

landscape architect  
Quinn Design Associates Inc.  
180 John Street  
Toronto, ON, M5T 1X5  
Phone.416.962.8700



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## PART PLANS - COMMUNICATIONS

scale: 1 : 50

date: XX/XX/2X

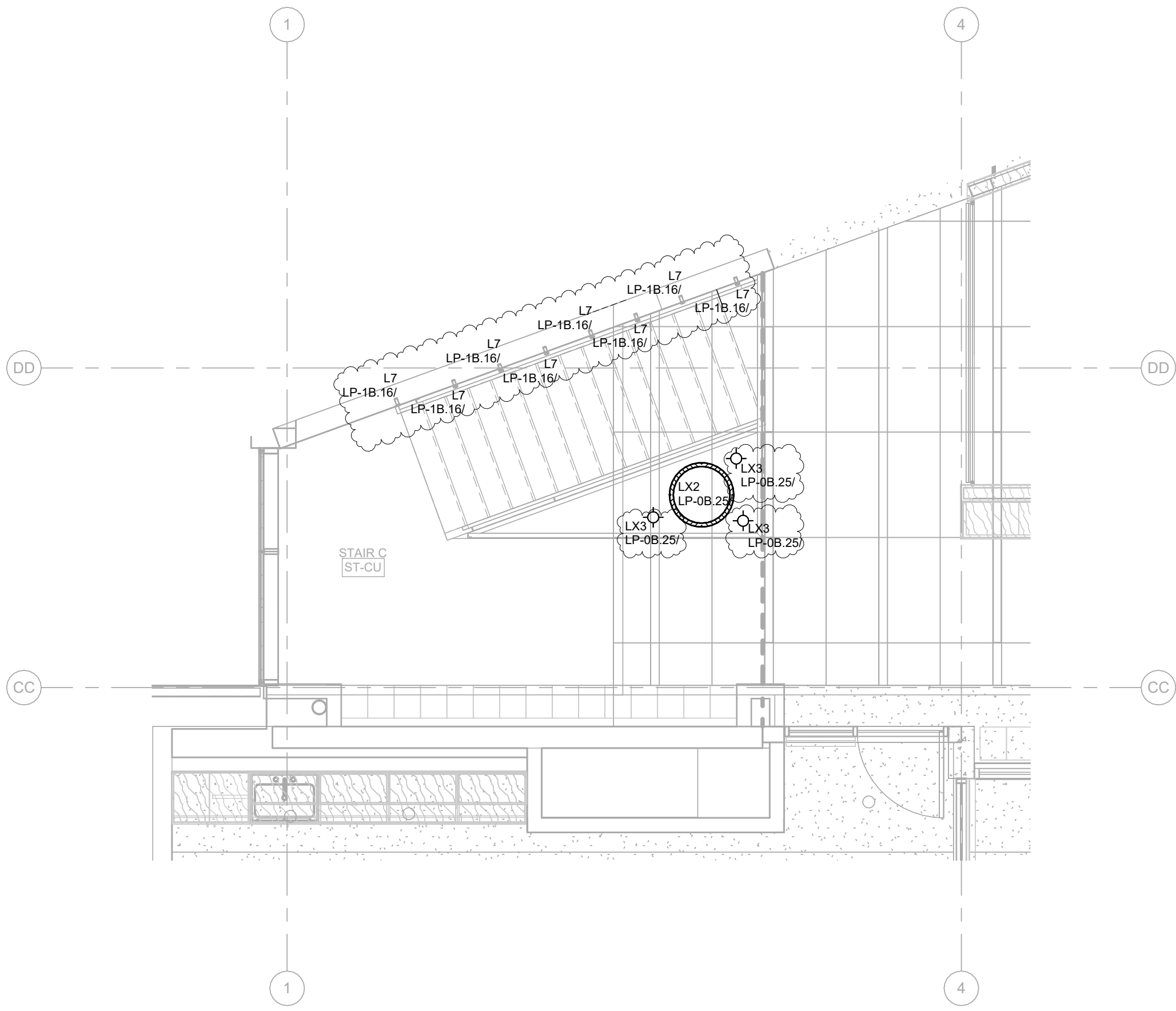
drawn: RLJG

checked by: \_\_\_\_\_ Checker \_\_\_\_\_

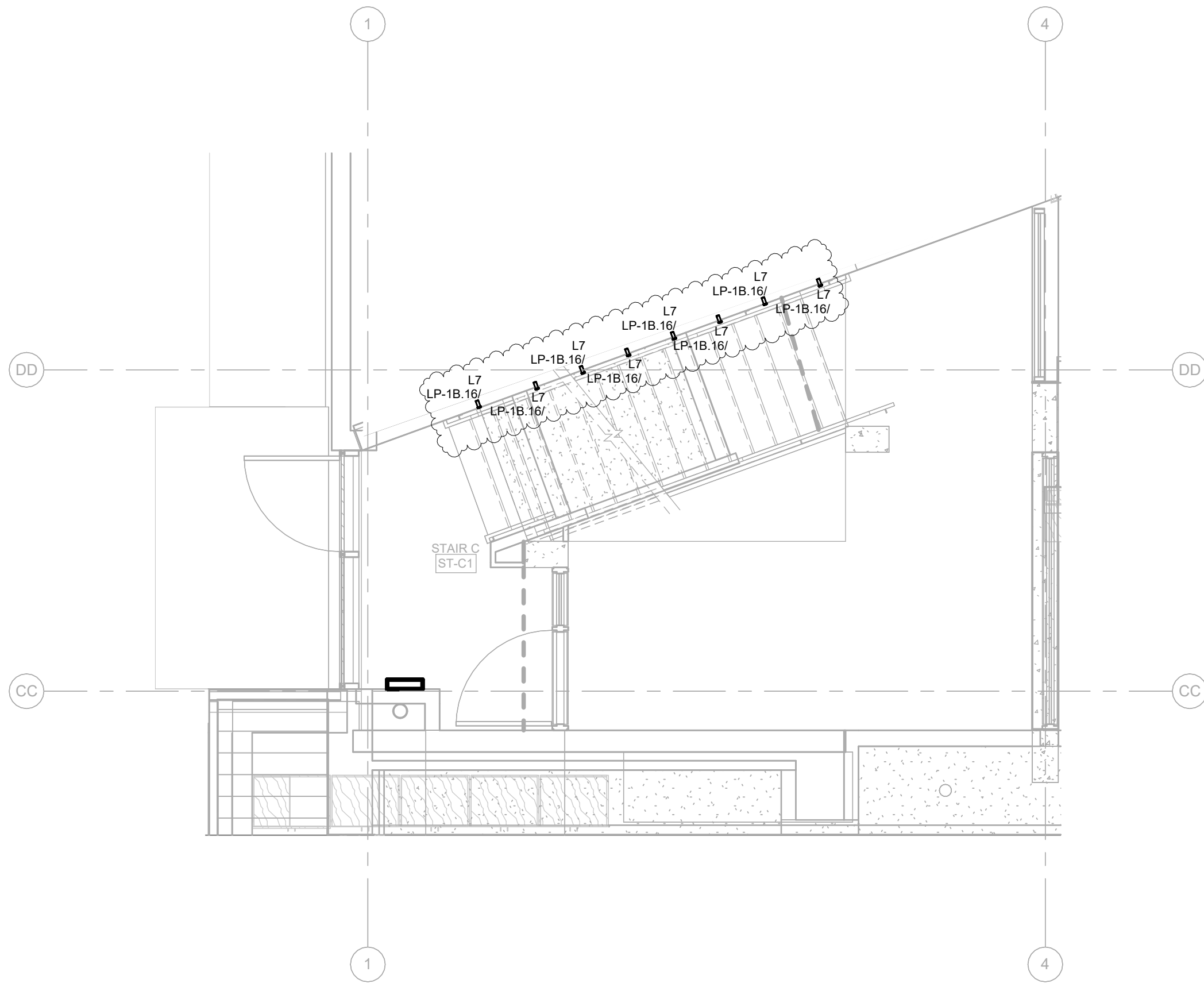
project number: 00036.010.E001

E-901  
Revision:3

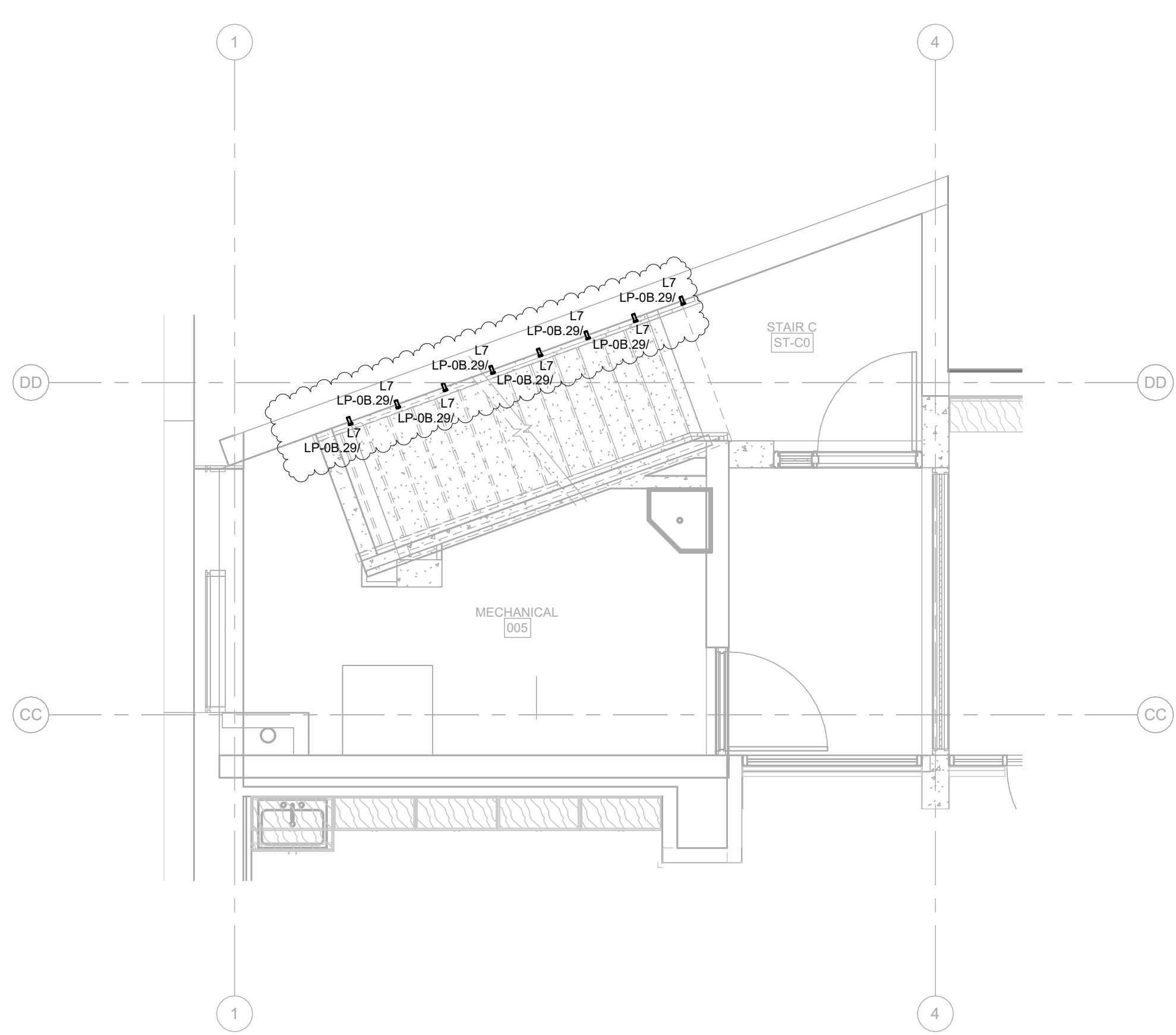




3 STAIR C - 02 UPPER GROUND LEVEL  
E-902 1:50



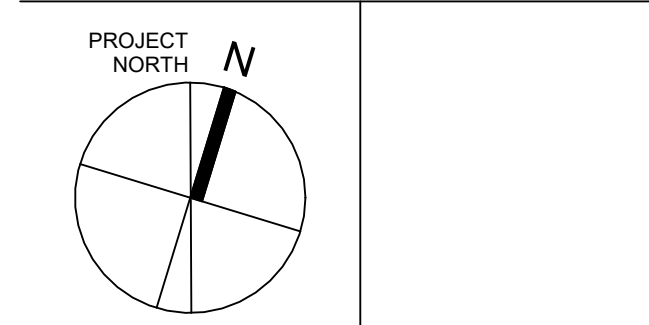
2 STAIR C - 01 GROUND LEVEL  
E-902 1:50



1 STAIR C - 00 LOWER LEVEL  
E-902 1:50

| No | Date       | Revision/Issued            |
|----|------------|----------------------------|
| 1  | 2026.05.12 | 90% CONSTRUCTION DOCUMENTS |
| 2  | 2026.07.08 | ISSUED FOR TENDER          |
| 3  | 2026.07.22 | APPENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.482.5002<br>Fax: 416.482.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1900<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |

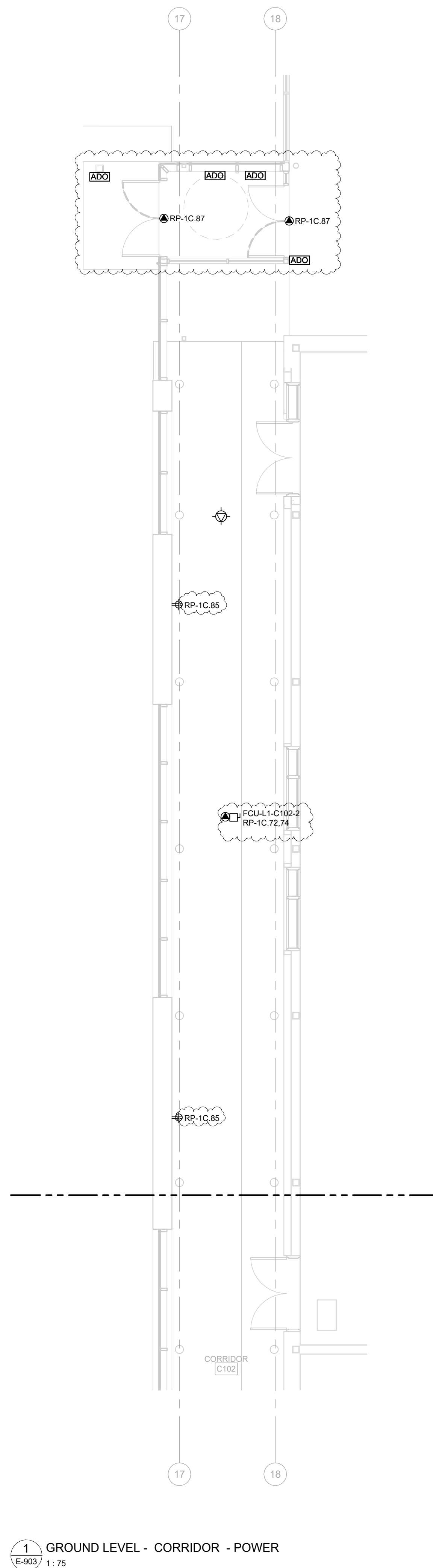
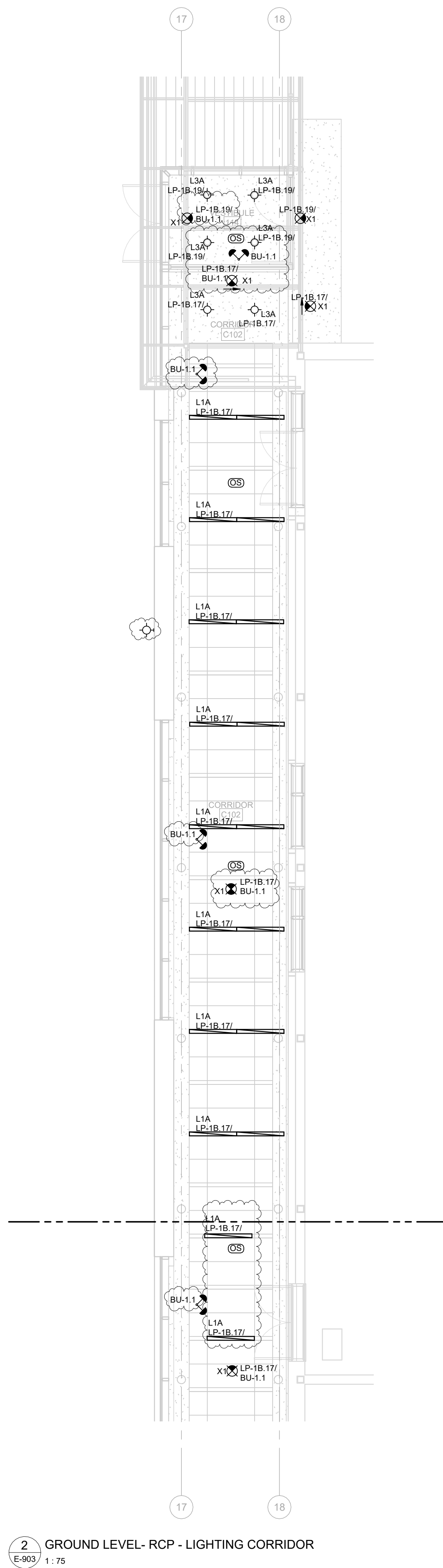
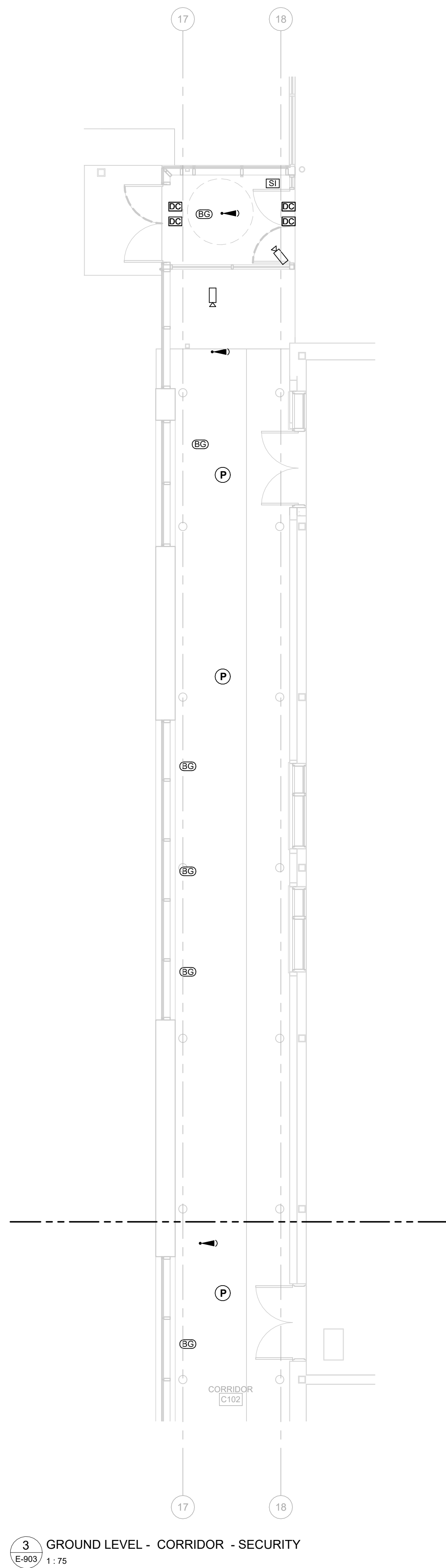


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## PART PLANS - STAIR LIGHTING

scale: 1 : 50  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-902  
Revision: 3





Smith + Andersen  
1100 - 105 Sheppard Ave. East, Toronto ON M2N 6N5  
416-487-8151 smithandersen.com

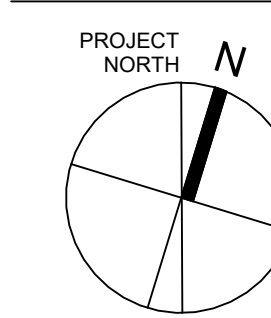
If this sheet is not 46 7/8" x 33 1/8" (1189 x 841 mm) it is a reduced print  
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| 3  | 2026.07.22 | ADDENDUM E01               |

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| consultants         |                                                                                                                                |
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.462.5002<br>Fax: 416.462.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1900<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 603<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |



CS&PArchitects

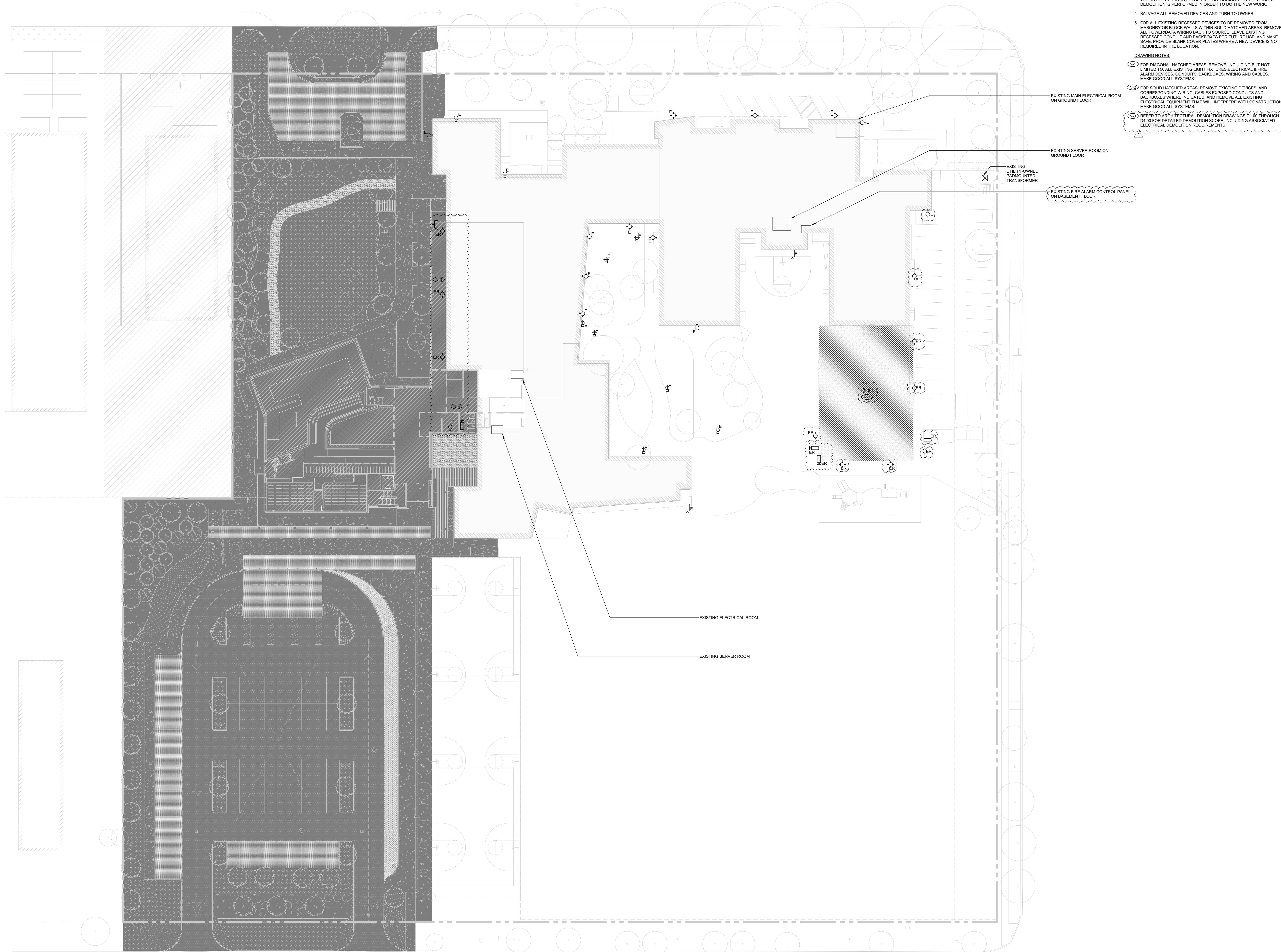
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## PART PLANS - GROUND LEVEL CORRIDOR

scale: 1 : 75  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: E-903  
Revision: 3



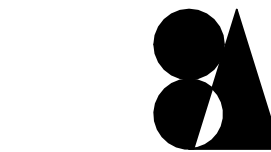


## DEMOLITION NOTES:

- DEMOLITION DRAWINGS ARE PROVIDED FOR THE CONTRACTORS' CONVENIENCE TO INDICATE THE GENERAL EXTENT OF DEMOLITION AND AS SUCH DO NOT NECESSARILY INDICATE THE ENTIRE SCOPE OF THE WORK. IT IS THE CONTRACTORS RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA AND TO FULFILL THE INTENT OF THE DESIGN INDICATED BY THE CONTRACT DOCUMENTS.
- INFORMATION SHOWN ON THE DEMOLITION DRAWINGS IS TO BE COORDINATED AND READ IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, STRUCTURAL, HERITAGE, CIVIL AND LANDSCAPE DRAWINGS.
- THE DEMOLITION PLANS MAY NOT IDENTIFY ALL ITEMS LOCATED ON THE SITE, AND IT IS WITH THE UNDERSTANDING THAT APPLICABLE DEMOLITION IS PERFORMED IN ORDER TO DO THE NEW WORK.
- SALVAGE ALL REMOVED DEVICES AND TURN TO OWNER
- FOR ALL EXISTING RECESSED DEVICES TO BE REMOVED FROM MASONRY OR BLOCK WALLS WITHIN SOLID HATCHED AREAS, REMOVE ALL POWER/DATA WIRING BACK TO SOURCE, LEAVE EXISTING RECESSED CONDUIT AND BACKBOXES FOR FUTURE USE, AND MAKE SAFE. PROVIDE BLANK COVER PLATES WHERE A NEW DEVICE IS NOT REQUIRED IN THE LOCATION.

## DRAWING NOTES:

- FOR DIAGONAL HATCHED AREAS, REMOVE, INCLUDING BUT NOT LIMITED TO, ALL EXISTING LIGHT FIXTURES, ELECTRICAL & FIRE ALARM DEVICES, CONDUITS, BACKBOXES, WIRING AND CABLES. MAKE GOOD ALL SYSTEMS.
- FOR SOLID HATCHED AREAS, REMOVE EXISTING DEVICES, AND CORRESPONDING WIRING, CABLES, EXPOSED CONDUITS AND BACKBOXES WHERE INDICATED, AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT THAT WILL INTERFERE WITH CONSTRUCTION. MAKE GOOD ALL SYSTEMS.
- REFER TO ARCHITECTURAL DEMOLITION DRAWINGS D1-20 THROUGH D1-30 FOR DETAILED DEMOLITION SCOPE, INCLUDING ASSOCIATED ELECTRICAL DEMOLITION REQUIREMENTS.



Smith + Andersen  
1100 - 105 Sheppard Ave. East, Toronto ON M2N 6N5  
416-487-8151 smthandersen.com

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- Read dwg. accordingly.

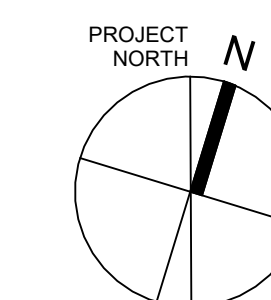
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|----|------------|-------------------|
| 1  | 2026.07.08 | ISSUED FOR TENDER |
| 2  | 2026.07.22 | ADDENDUM E01      |

## consultants

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| architect           | CS&P Architects Inc.<br>2345 Yonge St., Suite 200<br>Toronto, ON, M4P 2E5<br>Phone: 416.462.5002<br>Fax: 416.462.5040          |
| civil engineer      | SCS Consulting Group Ltd.<br>30 Centurian Drive, Suite 100<br>Markham, ON, L3R 8B8<br>Phone: 905.475.1900<br>Fax: 905.475.8335 |
| structural engineer | LEA Consulting Ltd.<br>40 University Ave., Suite 503<br>Toronto, ON, M5J 1T1<br>Phone: 905.470.0015                            |
| mechanical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| electrical engineer | Smith + Andersen<br>4211 Yonge Street<br>Toronto, ON, M2P 2A9<br>Phone: 416.487.8151                                           |
| landscape architect | Quinn Design Associates Inc.<br>180 John Street<br>Toronto, ON, M5T 1X5<br>Phone: 416.962.8700                                 |



CS&P Architects

## STERLING HALL

99 Cartwright Avenue, Toronto, ON M6A 1V4

## SITE DEMOLITION PLAN - ELECTRICAL

scale: 1 : 300  
date: XX/XX/2X  
drawn: RLJG  
checked by: Checker  
project number: 00036.010.E001  
drawing number: ED-101

Revision: 2