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<div><div><div><div>XX XX-XX</div><div>AFF</div><div>WP</div><div>W</div><div>C</div><div>TL</div><div>E</div><div>RE</div><div>ER</div><div>R</div><div>S</div><div>TYP.</div><div>C/W</div><div>V/D</div><div>AV</div><div><div><div><div></div><div>50mm</div></div></div></div></div><div><div><div><div></div><div>POWER AND/OR DISTRIBUTION SURFACE MOUNTED PANEL BOARD</div></div><div><div><div></div><div>POWER AND/OR DISTRIBUTION RECESSED PANEL BOARD</div></div><div><div><div></div><div>FEEDER BUS-WAY</div></div><div><div><div><div>30</div><div>15A</div></div></div><div>PLUG-IN BUS-WAY WITH BUS PLUG 30 DENOTES SWITCH RATING, 15A DENOTES FUSE RATING</div></div><div><div><div></div><div>CABLE TRAY/CABLETROUGH</div></div><div><div><div></div><div>WIRE-WAY</div></div><div><div><div><div></div><div>COMBINATION MAGNETIC STARTER</div></div><div><div><div></div><div>TRANSFORMER</div></div><div><div><div></div><div>MANUAL STARTER</div></div><div><div><div></div><div>HORSEPOWER RATED MOTOR TOGGLE SWITCH</div></div><div><div><div><div></div><div>VARIABLE FREQUENCY DRIVE</div></div><div><div><div></div><div>MAGNETIC CONTACTOR</div></div><div><div><div></div><div>COMBINATION CONTACTOR</div></div><div><div><div></div><div>DISCONNECT SWITCH - NON-FUSIBLE</div></div><div><div><div></div><div>FUSED DISCONNECT SWITCH</div></div><div><div><div></div><div>PUSHBUTTON STATION</div></div><div><div><div></div><div>SMOKE DAMPER</div></div><div><div><div></div><div>DOCK LEVELER</div></div><div><div><div></div><div>CONTROL PANEL</div></div><div><div><div><div>JUNCTION BOX: F - DENOTES FLOOR MOUNTED; C - DENOTES CEILING MOUNTED; W - DENOTES WALL MOUNTED;</div><div><div><div></div><div>PULL BOX</div></div><div><div><div></div><div>REMOTE EMERGENCY POWER OFF BUTTON</div></div><div><div><div></div><div>TERMINAL BOX WITH TERMINAL STRIPS</div></div></div></div></div></div><div><div><div>GENERAL</div><div>DETAIL NUMBER DETAIL SHEET</div><div>ABOVE FINISHED FLOOR</div><div>WEATHER PROOF</div><div>WALL MOUNTED</div><div>CEILING MOUNTED</div><div>TWIST-LOCK</div><div>EXISTING FIXTURE/EQUIPMENT TO REMAIN</div><div>EXISTING FIXTURE/EQUIPMENT TO BE RELOCATED</div><div>EXISTING FIXTURE/EQUIPMENT IN RELOCATED POSITION</div><div>EXISTING FIXTURE/EQUIPMENT TO DISCONNECTED, REMOVED</div><div>SURFACE MOUNTED</div><div>TYPICAL</div><div>COMPLETE WITH</div><div>VOICE/DATA</div><div>AUDIO/VISUAL</div><div>CONDUIT STUB-UP (50mm DENOTES CONDUIT SIZE)</div></div><div><div><div>POWER AND CONTROL</div><div>POWER AND/OR DISTRIBUTION SURFACE MOUNTED PANEL BOARD</div><div>POWER AND/OR DISTRIBUTION RECESSED PANEL BOARD</div><div>FEEDER BUS-WAY</div><div>PLUG-IN BUS-WAY WITH BUS PLUG 30 DENOTES SWITCH RATING, 15A DENOTES FUSE RATING</div><div>CABLE TRAY/CABLETROUGH</div><div>WIRE-WAY</div><div>COMBINATION MAGNETIC STARTER</div><div>TRANSFORMER</div><div>MANUAL STARTER</div><div>HORSEPOWER RATED MOTOR TOGGLE SWITCH</div><div>VARIABLE FREQUENCY DRIVE</div><div>MAGNETIC CONTACTOR</div><div>COMBINATION 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MOUNTED</div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>	<div><div><div><div><div></div><div>P1-30</div></div><div><div><div></div><div></div></div></div><div><div><div></div><div>MW</div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><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ELECTRICAL SHEET LIST - LAB	
SHEET NO.	SHEET NAME
E01-01L	DRAWING LIST & LEGENDS
E03-01L	PARTIAL SINGLE LINE DISTRIBUTION DIAGRAM
E07-01L	TYPICAL DETAILS
E10-01L	GROUND FLOOR OVERALL POWER PLAN
E11-01L	POWER & SYSTEMS PLAN - ENLARGED AREAS
E11-RFL	ROOF POWER PLAN
E20-01L	GROUND FLOOR LIGHTING LAYOUTS
E21-01L	LIGHTING PLAN - ENLARGED AREAS
E30-01L	GROUND FLOOR OVERALL FIRE ALARM PLAN
E60-01L	SCHEDULES
E80-01L	GROUND FLOOR DEMOLITION PLAN

GENERAL NOTES

A ALL DRAWINGS ARE DIAGRAMMATIC AND TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS FOR ALL LOCATIONS OF LUMINAIRES, LIGHTING CONTROL DEVICES, OUTLETS, SYSTEM DEVICES, DIMENSIONS, MOUNTING HEIGHTS AND CONSTRUCTION DETAILS.

B ITEMS SHOWN AS GREYED OUT ON DRAWINGS ARE EXISTING AND/OR NOT TO BE INCLUDED IN SCOPE OF WORK. ANY ITEMS THAT ARE UNCLEAR IF THEY ARE TO BE INCLUDED, NOTIFY THE CONSULTANT AND GENERAL CONTRACTOR.

C CONTRACTOR TO ENSURE THAT ELECTRICAL SERVICES (INCLUDING, BUT NOT LIMITED TO: AUXILIARY SERVICES, SECURITY, CRITICAL LOADS, FIRE ALARM SYSTEMS, ETC.) TO ANY AREAS OF THE BUILDING TO REMAIN IN OPERATION DURING CONSTRUCTION NOT BE AFFECTED UNDER ANY CONDITIONS. INCLUDE FOR ANY NECESSARY OVERTIME WORK AS REQUIRED.

D ALL OPENINGS THROUGH RATED WALLS OR FLOORS MUST BE SEALED WITH APPROVED FIRE STOPPING MATERIAL. ANY FIREPROOFING MATERIAL REMOVED WILL BE REPLACED WITH A SUITABLE AND APPROVED FIREPROOFING MATERIAL, AND TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND TO MEET APPLICABLE BUILDING AND FIRE CODES.

E CONTRACTOR TO BE RESPONSIBLE FOR ALL REPAIR OF DAMAGED BUILDING AREAS AND FINISHES AFFECTED BY THE WORK AS OUTLINED UNDER SCOPE OF WORK OF THIS PROJECT.

F THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND DISTRIBUTION OF TEMPORARY POWER AND LIGHTING WITHIN THE PREMISES DURING THE CONSTRUCTION PERIOD.

G CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION OF ALL THE WORK WITH ALL OTHER TRADES, CONSULTANTS, AND CYCLIC MATERIALS. ALL WORK TO BE SCHEDULED AND CARRIED OUT BY THE CONTRACTOR IN A MANNER TO ENSURE CONTINUED AND NON-INTERRUPTED OPERATION OF THE FACILITY.

H FOR DEVICES TO REMAIN, CONTRACTOR TO ACCOUNT FOR REROUTING EXISTING POWER AND DATA WIRES AND CONDUITS AFTER REMOVING CEILING TILES. INSTALL JUNCTION BOXES AND RUN EXTRA CONDUITS AND WIRES WHERE REQUIRED.

I FOR EXACT LOCATION OF LIGHTING FIXTURES AND MOUNTING HEIGHT OF SUSPENDED LIGHTING FIXTURES, REFER TO ARCHITECTURE'S REFLECTED CEILING PLANS. REPORT TO ENGINEER OF ANY DISCREPANCIES BETWEEN ELECTRICAL LIGHTING DRAWINGS AND ARCHITECTURE'S REFLECTED CEILING PLANS. OBTAIN ENGINEER'S APPROVAL BEFORE PROCEEDING. REFER TO INTERIOR ELEVATION DRAWINGS FROM ARCHITECTURAL DRAWING PACKAGE FOR MOUNTING HEIGHT OF WALL FIXTURES.

J CONNECT ALL EMERGENCY REMOTE HEADS TO THE INDICATED BATTERY UNIT WITH A MINIMUM #10 AWG COPPER WIRE. PROVIDE LARGER WIRE SIZE AS REQUIRED OR AS RECOMMENDED BY MANUFACTURER. PROVIDE MEASUREMENT OF LIGHT LEVELS TO OBTAIN LOCAL INSPECTION APPROVALS AND PERMITS. AN AUTHORIZED TECHNICIAN OF THE MANUFACTURER TO PROVIDE A SIGNED TEST REPORT VERIFYING THAT THE SYSTEM IS PROPERLY WORKING AND THAT LIGHT LEVELS MEET LOCAL CODE REQUIREMENTS. INCLUDE REQUIRED TEST MEASUREMENTS IN REPORT AND SUBMIT TO CONSULTANT FOR REVIEW. ALL CONSTRUCTION VERIFICATION MUST BE INCLUDED IN THE TENDER BID.

K SUPPORT ALL LUMINAIRES DIRECTLY TO CEILING SLAB STRUCTURE, NOT TO CEILING HANGERS, DUCTWORK, PIPING, CABLE TRAYS, ROOF DECK, ETC. ALL NEW LUMINAIRES MUST BE CHAIN HUNG DIRECTLY FROM THE CEILING CONCRETE SLAB INDEPENDENT FROM THE T-BAR CEILING SUSPENSION SYSTEM.

L WHERE NEW PENDANT LIGHTING FIXTURES ARE BELOW EXISTING OUTETS, INSTALL UNISTRUT BELOW DUCT AND SUPPORT TO CEILING SLAB STRUCTURE. SUPPORT LIGHTING FIXTURE DIRECTLY TO THE UNISTRUT.

M PROVIDE NECESSARY CONTROL ACCESSORIES, MODULES, RELAYS, ETC. AT EXISTING FIRE ALARM SYSTEM MAIN CONTROL PANEL FOR NEW FIRE ALARM SYSTEM CONNECTIONS. MAKE OPERATIONAL. NEW FIRE ALARM SYSTEM EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH CANULC-S524-M, "STANDARD FOR THE INSTALLATION OF FIRE ALARM SYSTEMS" AND CANULC-S1001, "STANDARD FOR INTEGRATED SYSTEMS TESTING". ALL WORK REQUIRED AND/OR AS SHOWN ON DRAWINGS RELATED TO LIFE SAFETY SYSTEM SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR'S TENDER PRICE. EMPLOY AND PAY FOR THE SERVICES OF THE BASE BUILDING APPROVED CONTRACTOR WHERE FINAL CONNECTIONS ARE REQUIRED. PROVIDE NEW INTERFACING DEVICES IN EXISTING MAIN CONTROL PANEL IS TO BE DONE. ENSURE NEW DEVICES TO BE USED SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM. MAINTAIN THE INTEGRITY OF EXISTING SUPERVISED CIRCUITS WHEN NEW DEVICES ARE TO BE CONNECTED. THE SYSTEM SHALL BE TESTED AND CERTIFIED BY SYSTEM MANUFACTURER, FOR PROPER OPERATION UPON COMPLETION OF WORK TO INSURE SATISFACTORY OPERATION IN CONFORMANCE WITH CANULC-S537-M, "STANDARD FOR THE VERIFICATION OF FIRE ALARM SYSTEM INSTALLATION. PROVIDE FIRE ALARM SYSTEM VERIFICATION REPORT FOR EXISTING SYSTEM IS IN THE SCOPE OF THIS CONTRACT. THE TESTING AND VERIFICATION REPORT SHALL BE IN ACCORDANCE WITH CANULC-S537.

N PROVIDE SHORT CIRCUIT COORDINATION STUDY AND ARC FLASH ANALYSIS AS PER CANADIAN ELECTRICAL CODE 2-308. PROVIDE WARNING LABELS ON ALL NEW EQUIPMENT IN ACCORDANCE WITH CSA 2462. SHORT CIRCUIT COORDINATION STUDY AND ARC FLASH ANALYSIS ARE IN THE SCOPE OF THIS CONTRACT.

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GENERAL NOTES - DEMOLITION

A ALL DRAWINGS ARE DIAGRAMMATIC AND TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS FOR ALL LOCATIONS OF LUMINAIRES, LIGHTING CONTROL DEVICES, OUTLETS, SYSTEM DEVICES, DIMENSIONS, MOUNTING HEIGHTS AND CONSTRUCTION DETAILS.

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D ALL OPENINGS THROUGH RATED WALLS OR FLOORS MUST BE SEALED WITH APPROVED FIRE STOPPING MATERIAL. ANY FIREPROOFING MATERIAL REMOVED WILL BE REPLACED WITH A SUITABLE AND APPROVED FIREPROOFING MATERIAL, AND TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS AND TO MEET APPLICABLE BUILDING AND FIRE CODES.

E CONTRACTOR TO BE RESPONSIBLE FOR ALL REPAIR OF DAMAGED BUILDING AREAS AND FINISHES AFFECTED BY THE WORK AS OUTLINED UNDER SCOPE OF WORK OF THIS PROJECT.

F THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND DISTRIBUTION OF TEMPORARY POWER AND LIGHTING WITHIN THE PREMISES DURING THE CONSTRUCTION PERIOD.

G CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION OF ALL THE WORK WITH ALL OTHER TRADES, CONSULTANTS, AND CYCLIC MATERIALS. ALL WORK TO BE SCHEDULED AND CARRIED OUT BY THE CONTRACTOR IN A MANNER TO ENSURE CONTINUED AND NON-INTERRUPTED OPERATION OF THE FACILITY.

H FOR DEVICES TO REMAIN, CONTRACTOR TO ACCOUNT FOR REROUTING EXISTING POWER AND DATA WIRES AND CONDUITS AFTER REMOVING CEILING TILES. INSTALL JUNCTION BOXES AND RUN EXTRA CONDUITS AND WIRES WHERE REQUIRED.

I REFER TO THE ARCHITECTURAL DRAWINGS FOR AREAS TO BE DEMOLISHED.

J UNLESS NOTED OTHERWISE, DISCONNECT AND REMOVE EXISTING LIGHTING, POWER AND SYSTEMS (COMMUNICATION, SECURITY, LIFE SAFETY, PUBLIC ADDRESS, BACKGROUND MUSIC, ETC.) DEVICES, OUTLET/JUNCTION BOXES, SYSTEM FURNITURE CONNECTION BOXES AND POLES, CONDUITS AND WIRING IN PARTITIONS AND CEILING SPACE TO BE DEMOLISHED (ALSO NOT SHOWN ON THE DRAWINGS), FORMING PART OF PREVIOUS LAYOUT. CONDUIT, WIRING, BX' AND/OR COR'FLEX CABLES TO BE CUT BACK FROM RENOVATION AREA MOUNTED DEVICE, OUTLET BOX AND/OR EQUIPMENT TO THE SOURCE PANEL.

K ELECTRICAL CONTRACTOR TO DISCONNECT ALL FEEDERS TO EXISTING MECHANICAL EQUIPMENT THAT ARE TO BE REMOVED. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT AND DEVICES TO BE REMOVED AND/OR RELOCATED. DISCONNECT SUCH EQUIPMENT. REMOVE EXISTING CONDUITS AND WIRING. MAKE SAFE.

L DEMOLISH EXISTING WORK, WHERE INDICATED AND REMOVE FROM SITE. EXECUTE ALL DEMOLITION WORK SO AS TO CREATE MINIMUM VIBRATION OR DUST WITHIN AND OUTSIDE THE BUILDING. OBTAIN OWNER'S APPROVAL OF METHODS BEFORE PROCEEDING.

M REMOVE FROM SITE MATERIALS IN DEMOLITION AREAS THAT ARE NOT TO REMAIN OR BE REUSED, UNLESS NOTED AS REMAINING PROPERTY OF OWNER, DISPOSE OF HAZARDOUS MATERIALS AS REQUIRED BY LATEST HEALTH AND SAFETY STANDARDS, AND DESCRIBED IN THE SPECIFICATIONS.

N DISCONNECT AND REMOVE ABANDONED WIRING MATERIALS AND DEVICES. MAKE SAFE ALL CIRCUIT WIRING LEFT FOR FUTURE USE.

O REPAIR OR REPLACE EXISTING EQUIPMENT WHICH IS DAMAGED IN PROCESS OF RELOCATION, EQUIPMENT TO BE REUSED OR RELOCATED TO BE TESTED FOR PROPER OPERATION AND REPAIR AS NECESSARY.

P CONDUITS AFTER REMOVING CEILING TILES. INSTALL JUNCTION BOXES AND RUN EXTRA CONDUITS AND WIRES WHERE REQUIRED.

Q

R ELECTRICAL CONTRACTOR TO INVESTIGATE SOURCE OF POWER SUPPLY TO DOWNSTREAM WIRING DEVICES AND EQUIPMENT PRIOR TO REMOVING EXISTING PANELBOARDS AND/OR WIRING DEVICES WITHIN AREA OF WORK. SCOPE SHOULD RESULT OF THE INVESTIGATION REVEAL THAT WIRING DEVICES IN AREAS OUTSIDE OF WORK SCOPE ARE FED FROM PANELBOARDS OR VIA WIRING DEVICES WITHIN AREA OF WORK SCOPE. THE CONTRACTOR SHALL MAINTAIN POWER SUPPLY TO SUCH DEVICES BY MEANS OF INTRODUCING JUNCTION BOXES IN CEILING SPACE DIRECTLY ABOVE DEVICES AND BY EXTENDING WIRING AND CONDUITS IF NECESSARY. REVIEW WORK WITH CONSULTANT PRIOR TO PROCEEDING WITH REMEDIAL WORK.

CONSULTANTS

Architecture: NORR ARCHITECTS & ENGINEERS LTD
Structural: NORR ARCHITECTS & ENGINEERS LTD
Mechanical: NORR ARCHITECTS & ENGINEERS LTD
Electrical: NORR ARCHITECTS & ENGINEERS LTD

Seal(s)

2

Project Manager
P.RANCHAL

Drawn
M.ATTARI

Project Leader
M.ATTARI

Checked
M.AHMED

Client

CYCLIC MATERIALS
Cyclic
Materials
320 BAY ST., TORONTO, ON M5H 4A6, CANADA

Project

CYCLIC MATERIALS HUB
CENTER

650 Cataraqui Woods Dr. Kingston, ON K7P 2Y4

Drawing Title
DRAWING LIST & LEGENDS

Scale

N.T.S

Project No.

IN1024-0349

Drawing No.

E01-01L

DATE	ISSUED FOR	REV
2025-01-28	PERMIT - QA LAB	A
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Project Component
DESIGN DEVELOPMENT
Key Plan

Consultants

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Electrical: NORR ARCHITECTS & ENGINEERS LTD

Seal(s)

2

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Cyclic
Materials
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CYCLIC MATERIALS HUB
CENTER

650 Cataraqui Woods Dr. Kingston, ON K7P 2Y4

Drawing Title
DRAWING LIST & LEGENDS

Scale

N.T.S

Project No.

IN1024-0349

Drawing No.

E01-01L

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DATE	ISSUED FOR	REV
2025-01-28	PERMIT - QA LAB	A
2025-04-24	TENDER - QA LAB	0

4

3

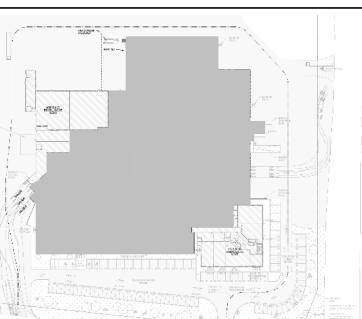
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Project Component

DESIGN DEVELOPMENT

Key Plan



Consultants

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Seal(s)

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Project Manager	Drawn
P.FRANCHAL	M.ATTARI
Project Leader	Checked
M.ATTARI	M.AHMED

Client

CYCLIC MATERIALS

Cyclic Materials

320 BAY ST., TORONTO, ON M5H 4A6, CANADA

Project

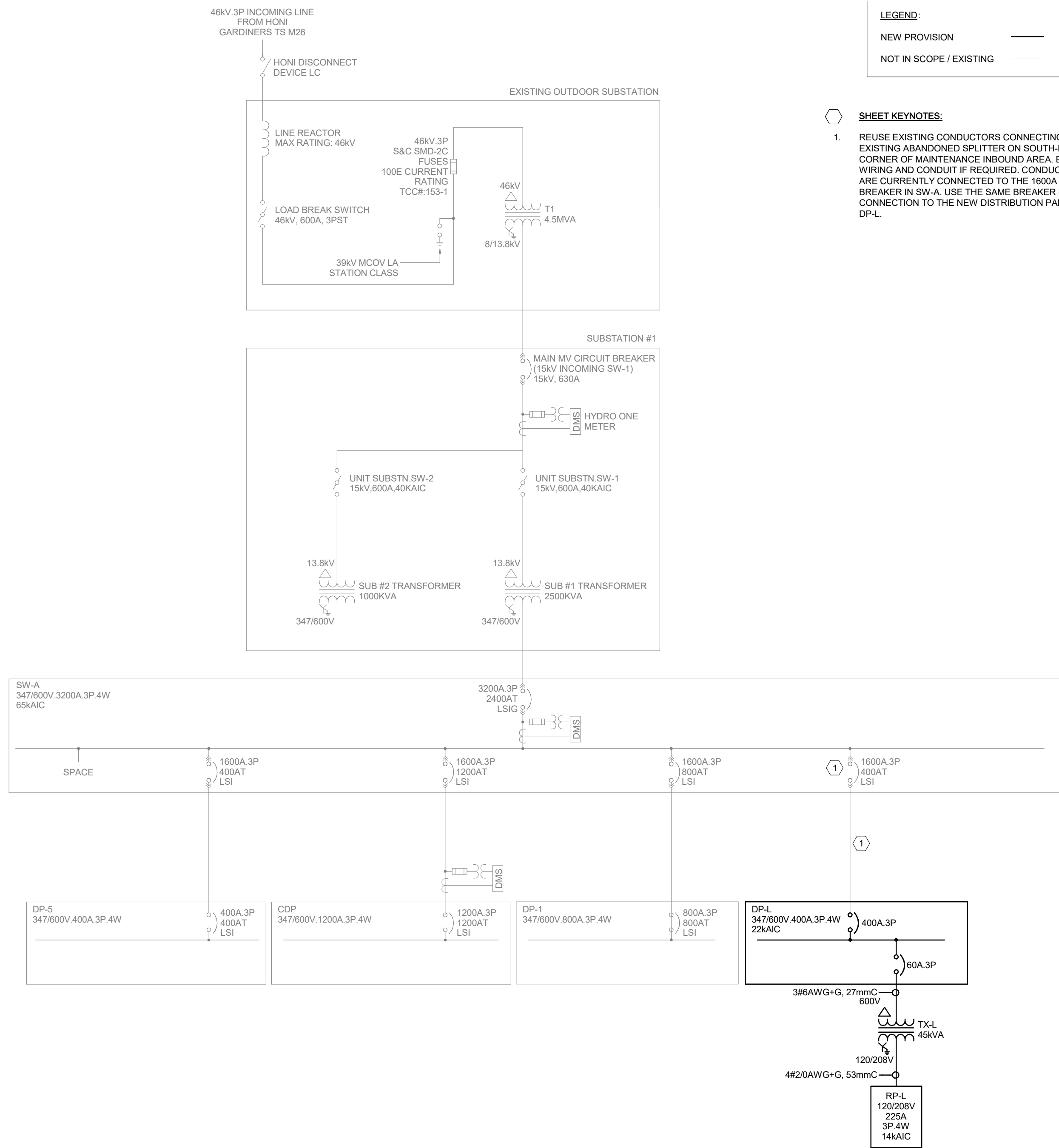
CYCLIC MATERIALS HUB CENTER

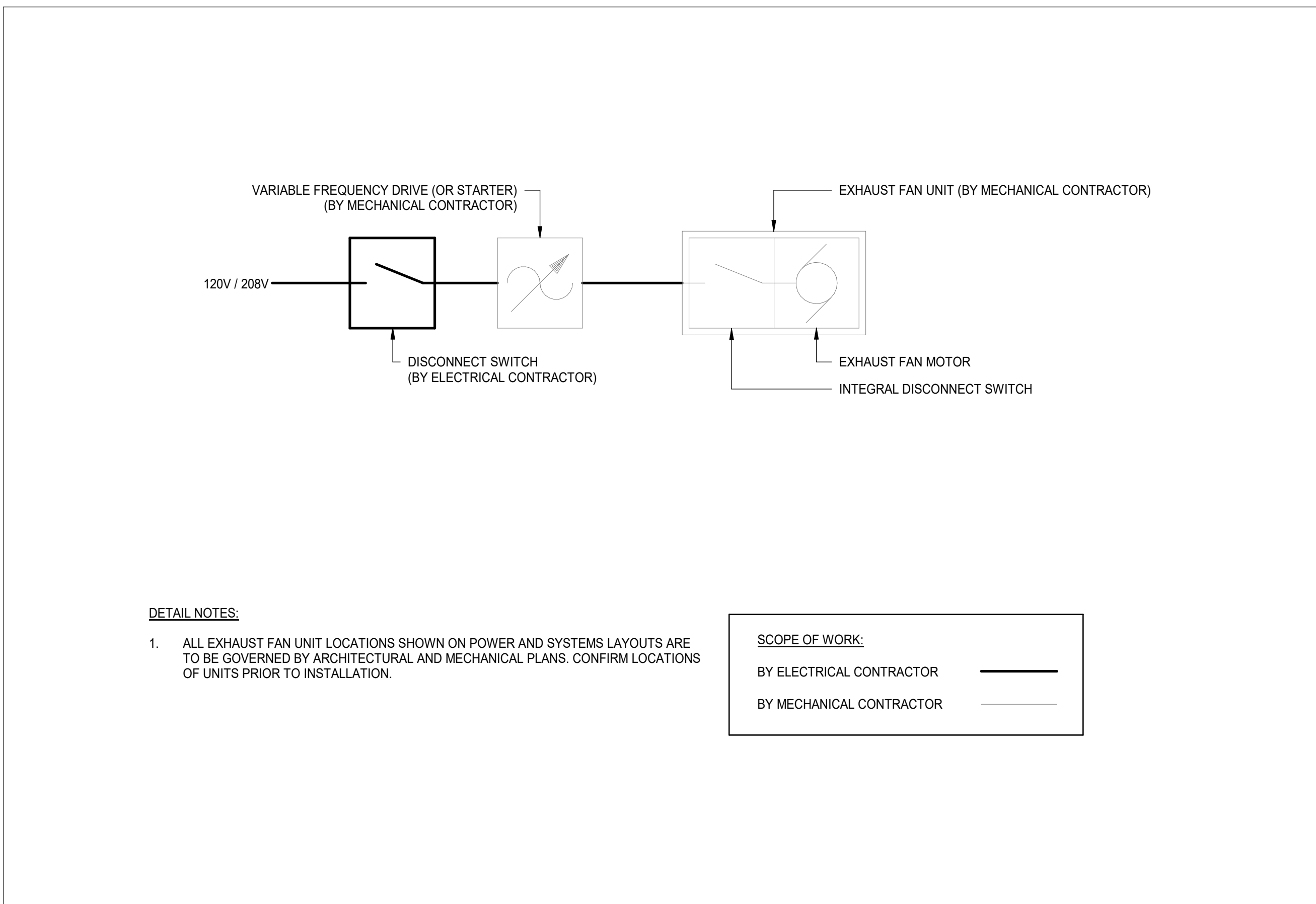
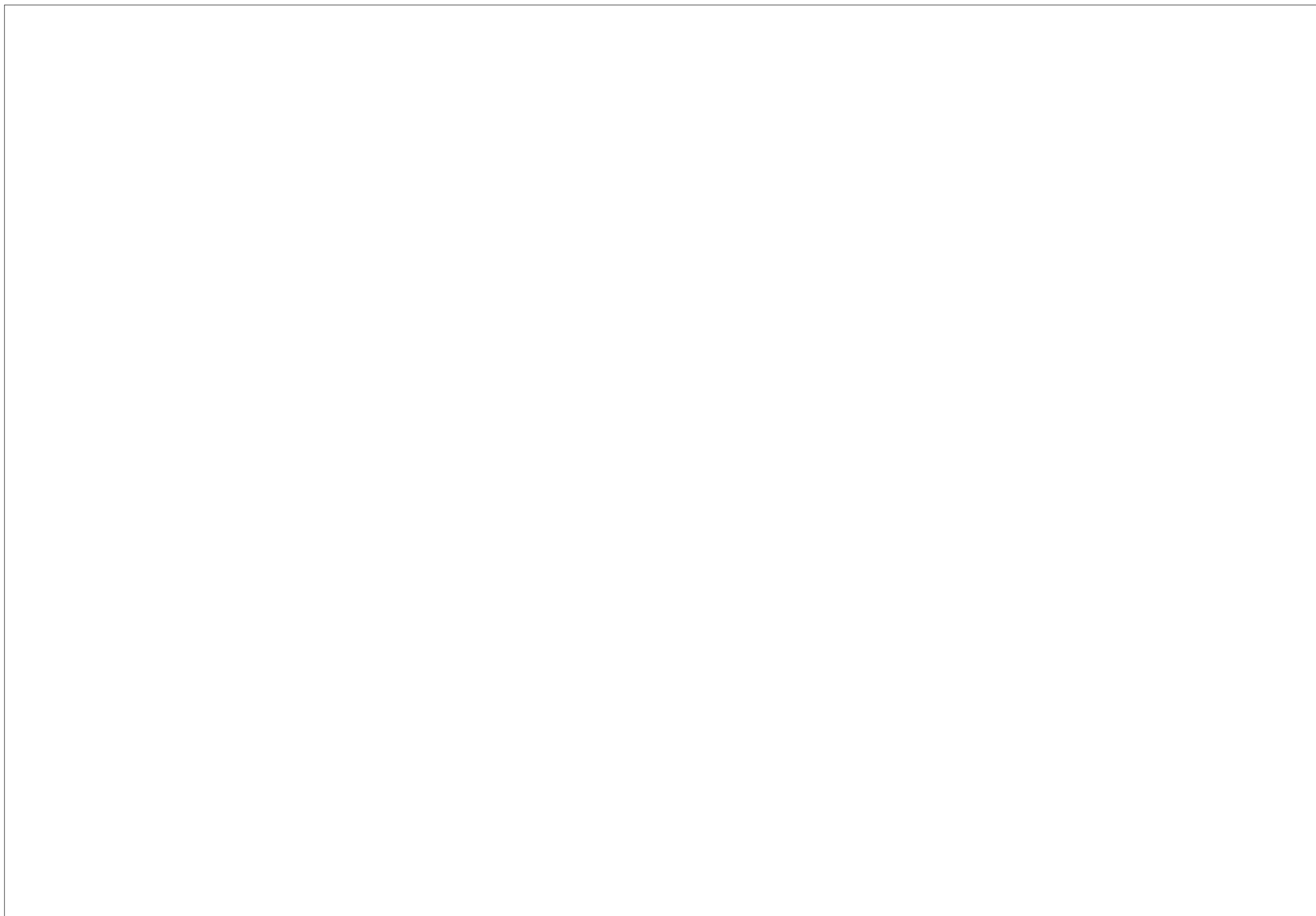
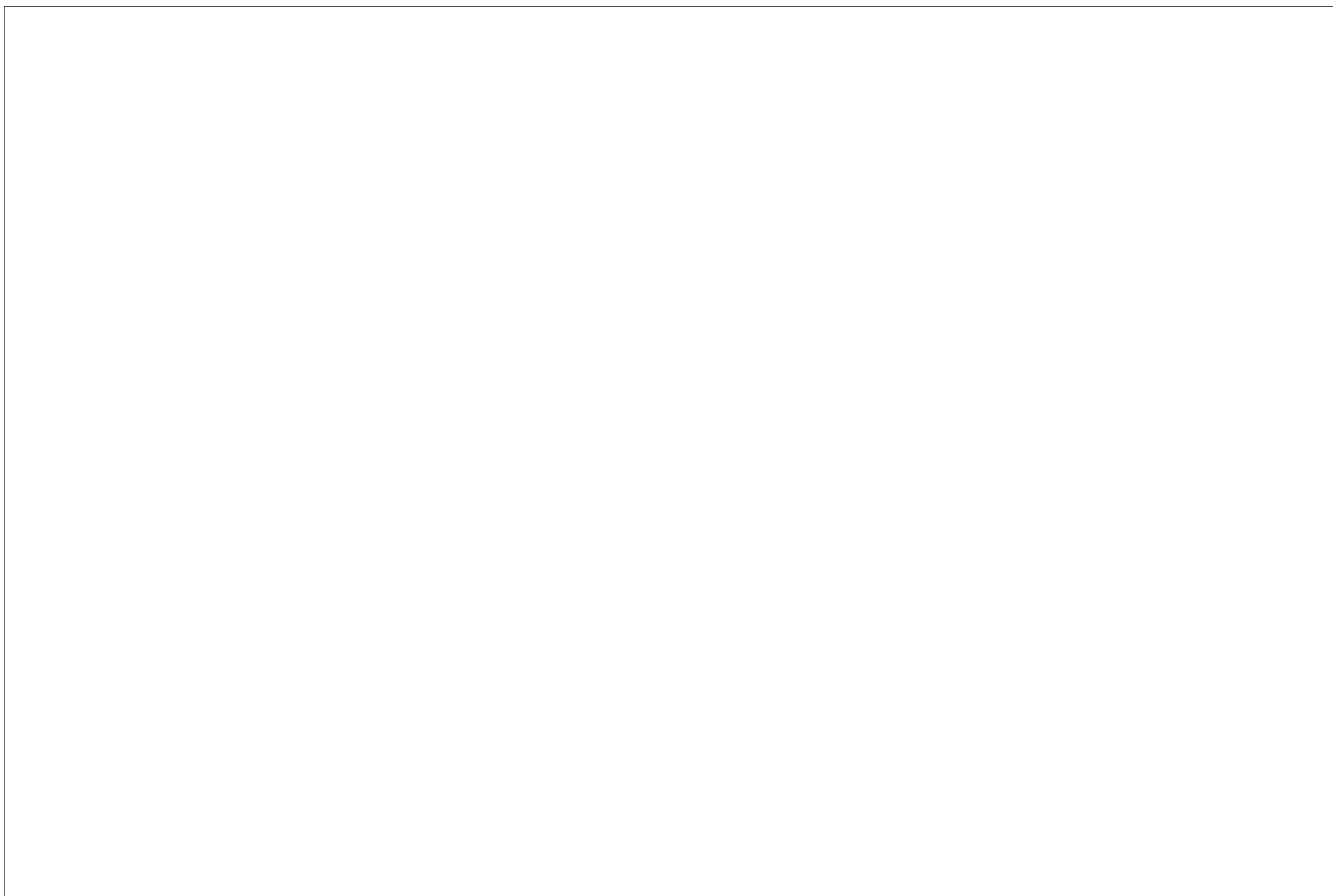
650 Cataragui Woods Dr, Kingston, ON K7P 2Y4

Drawing Title

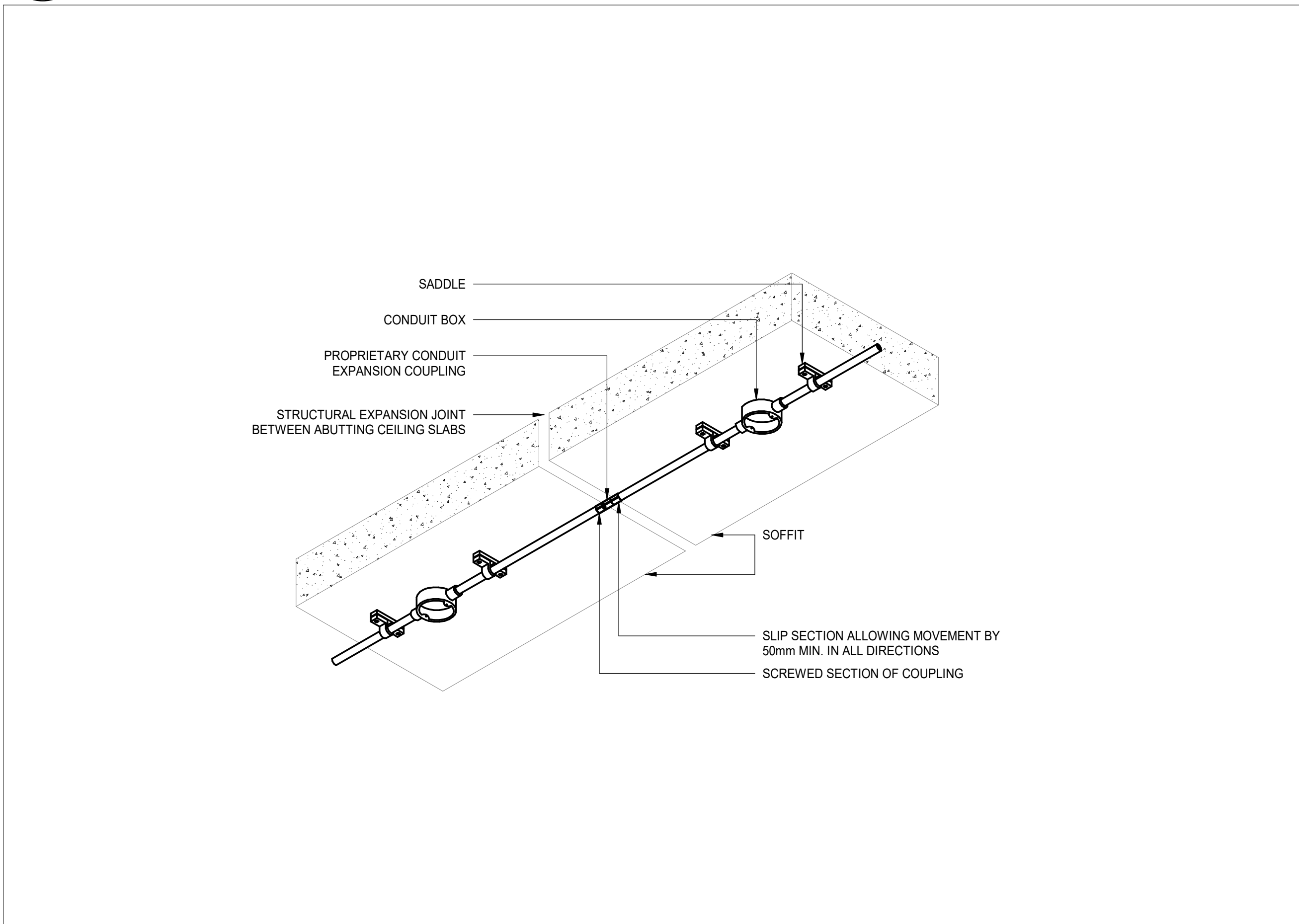
PARTIAL SINGLE LINE DISTRIBUTION DIAGRAM

Scale	N.T.S
Project No.	IN1024-0349
Drawing No.	E03-01L

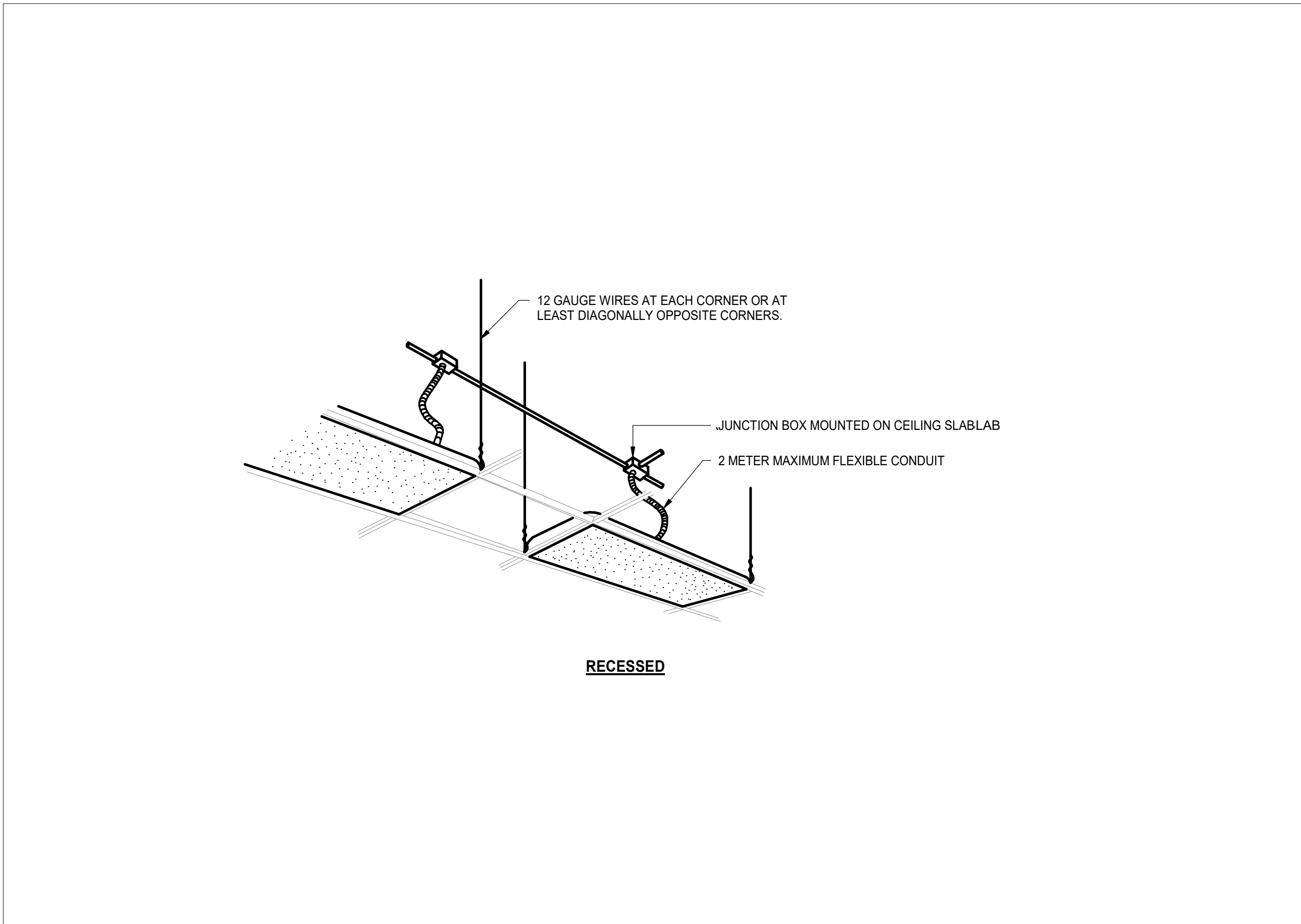




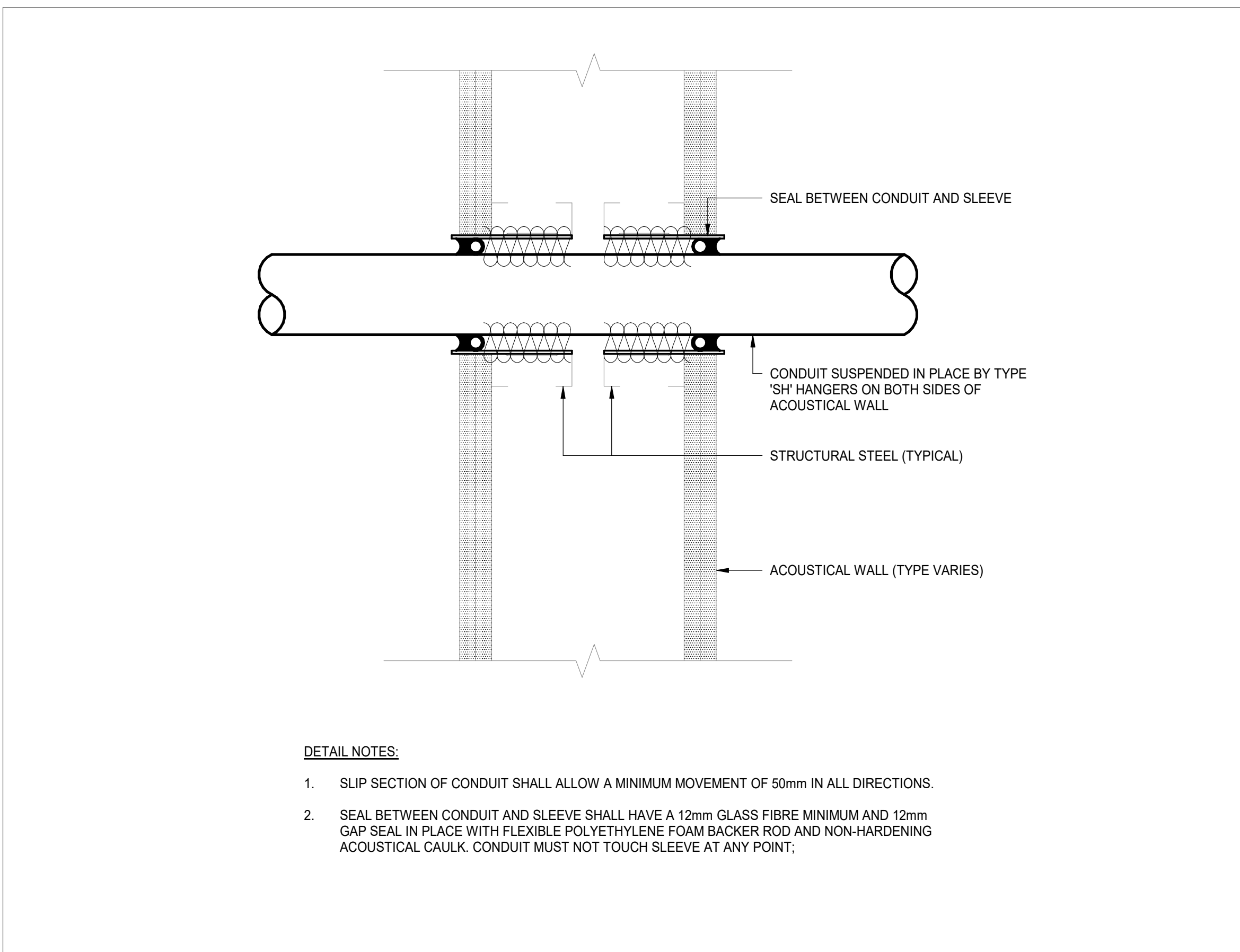
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E07-01L
ELECTRICAL CONNECTION TO EXHAUST FAN EF-01 DETAIL - QA LAB
SCALE: N.T.S.



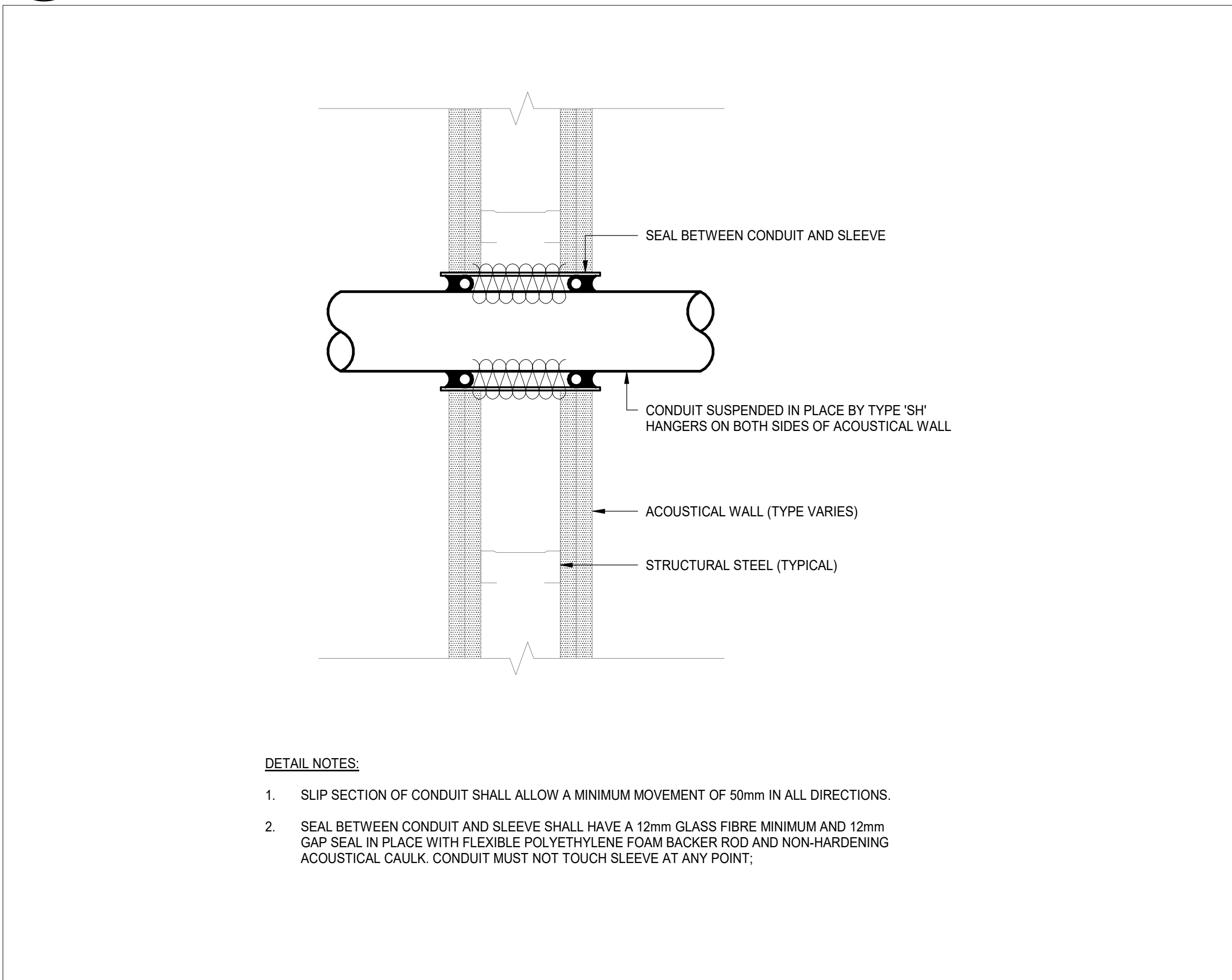
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E07-01L
EXPANSION JOINT CONDUIT DETAIL - QA LAB
SCALE: N.T.S.



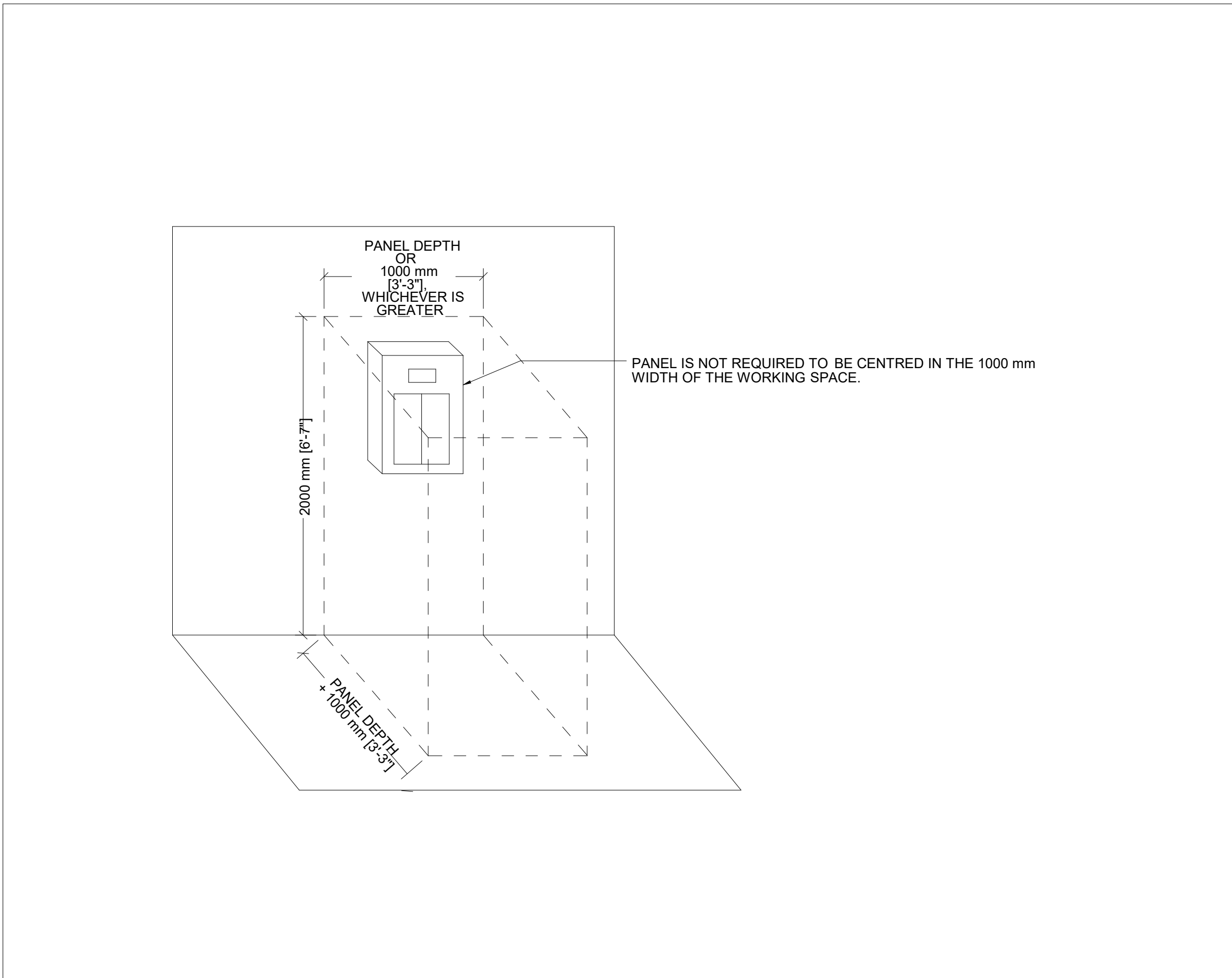
4
E07-01L
TYPICAL MOUNTING OF SURFACE AND RECESSED LUMINAIRES - QA LAB
SCALE: N.T.S.



3
E07-01L
CONDUIT - DOUBLE STUD WALL ASSEMBLY PENETRATION, TYPICAL DETAIL - QA LAB
SCALE: N.T.S.



2
E07-01L
CONDUIT - BLOCKWALL ASSEMBLY PENETRATION, TYPICAL DETAIL - QA LAB
SCALE: N.T.S.

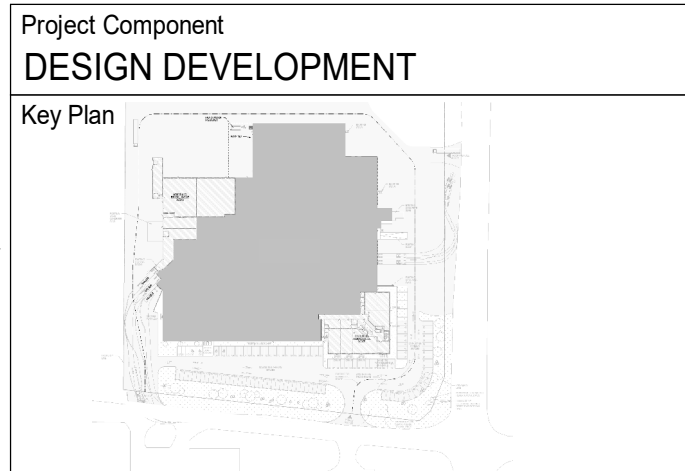


1
E07-01L
CLEAR SPACE AROUND PANELBOARD - QA LAB
SCALE: N.T.S.

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Seal(s)
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Project Manager FRANCHAL	Drawn M.ATTARI
Project Leader M.ATTARI	Checked M.AHMED

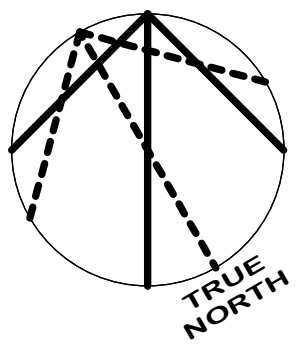
Client
CYCLIC MATERIALS
Cyclic Materials
320 BAY ST., TORONTO, ON M5H 4A6, CANADA

Project
CYCLIC MATERIALS HUB CENTER

650 Cataragui Woods Dr, Kingston, ON K7P 2Y4

Drawing Title
TYPICAL DETAILS

Scale	As indicated
Project No.	IN1024-0349
Drawing No.	E07-01L



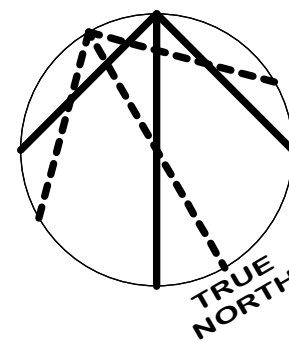
DATE	ISSUED FOR	REV
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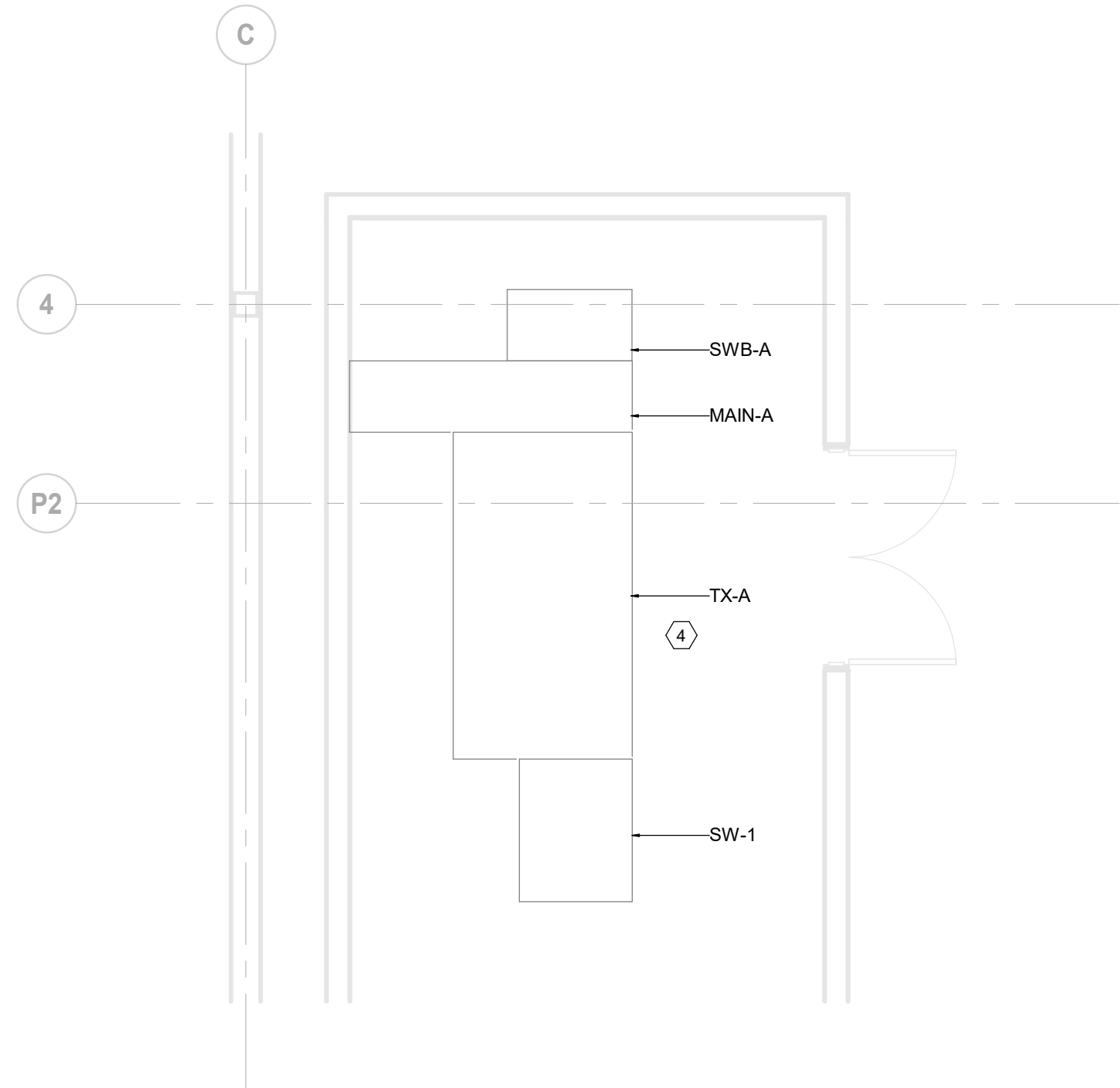
Seal(s)

Project Manager P.RANCHAL	Drawn M.ATTARI
Project Leader M.ATTARI	Checked M.AHMED

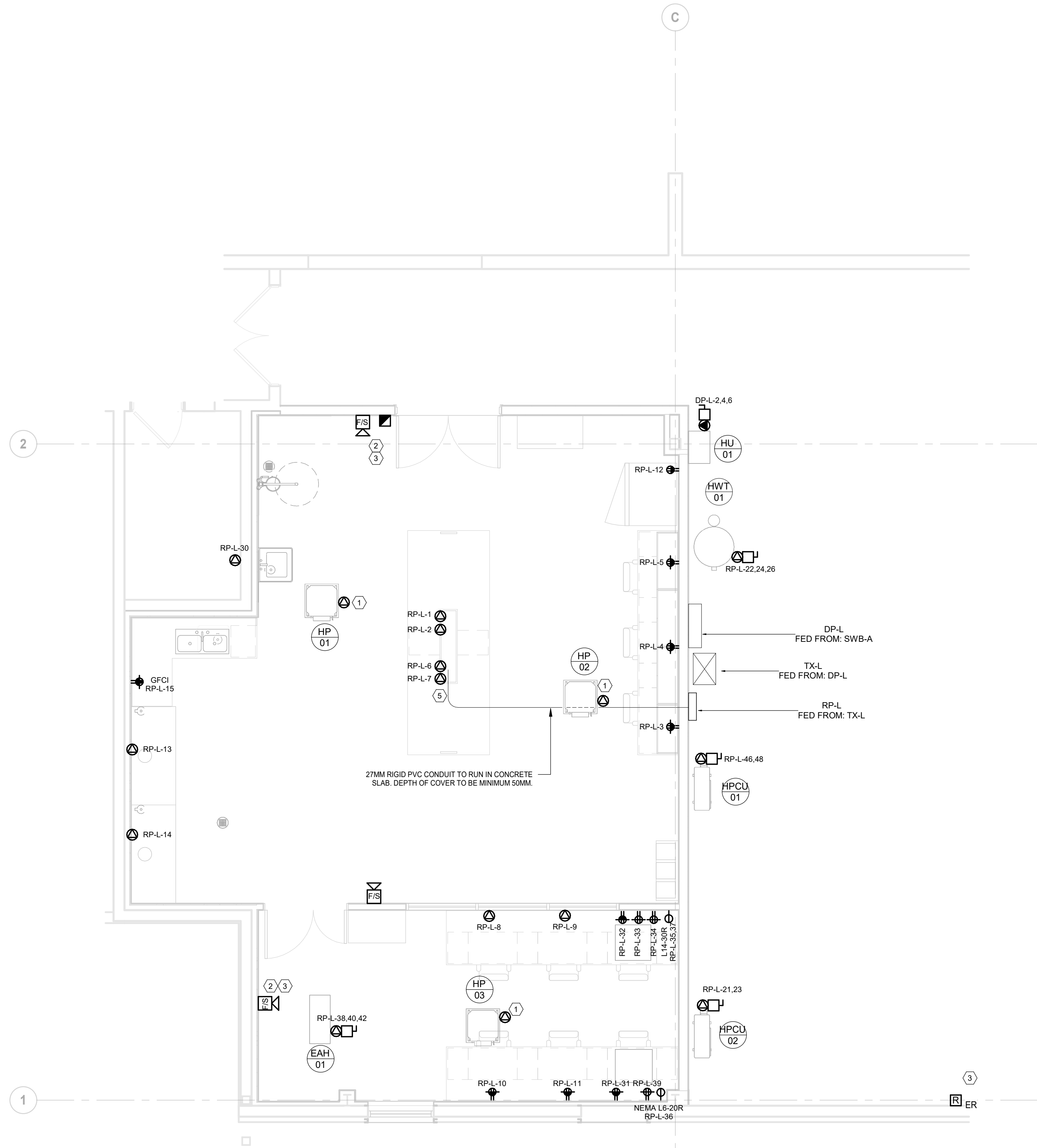
Scale	1 : 200
Project No.	IN1024-0349
Drawing No.	E10-01L



SHEET KEYNOTE	
KEYNOTE #	DESCRIPTION
1	PROVIDE 120V POWER FROM CONDENSING UNIT TO HEAT PUMP. COORDINATE WITH MECHANICAL CONTRACTOR FOR REQUIREMENTS.
2	CONNECT NEW FIRE ALARM DEVICES TO THE EXISTING FIRE ALARM CIRCUIT AND FIRE ALARM ZONE.
3	KEEP THE INTEGRITY OF THE EXISTING FIRE ALARM SYSTEM DURING DEMOLITION AND NEW WORK. FIRE ALARM SYSTEM TO BE KEPT FUNCTIONING DURING CONSTRUCTION.
4	UNLESS NOTED OTHERWISE, ALL ELECTRICAL EQUIPMENT IN SUBSTATION #2 ARE EXISTING TO REMAIN.
5	RUN ALL FOUR CIRCUITS SERVING ISLAND POWER PEDESTALS IN SINGLE 27MM RIGID PVC CONDUIT. CONDUIT TO RUN IN CONCRETE SLAB.



2
E11-01L
SUBSTATION#2 POWER AND SYSTEMS LAYOUT
SCALE: 1 : 50



1
E11-01L
POWER & SYSTEMS LAYOUT - R&D LAB
SCALE: 1 : 50

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Project Component
DESIGN DEVELOPMENT
Key Plan

Consultants
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Structural: NORR ARCHITECTS & ENGINEERS LTD
Mechanical: NORR ARCHITECTS & ENGINEERS LTD
Electrical: NORR ARCHITECTS & ENGINEERS LTD

Seal(s)
2

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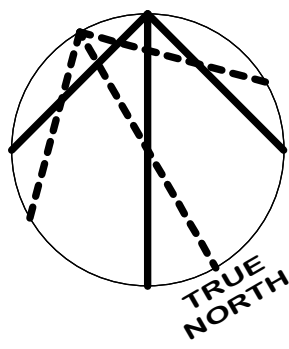
Project Manager
P.RANCHAL
Project Leader
M.ATTARI

Drawn
M.ATTARI
Checked
M.AHMED

Client
CYCLIC MATERIALS
Cyclic Materials
320 BAY ST., TORONTO, ON M5H 4A6, CANADA
Project
CYCLIC MATERIALS HUB CENTER

650 Cataragui Woods Dr. Kingston, ON K7P 2Y4
Drawing Title
POWER & SYSTEMS PLAN - ENLARGED AREAS

Scale
1 : 50
Project No.
IN1024-0349
Drawing No.
E11-01L



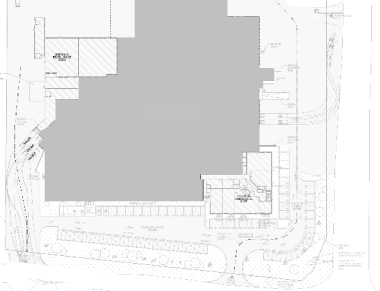
SHEET KEYNOTE	
KEYNOTE #	DESCRIPTION
1	UNLESS NOTED OTHERWISE, ALL LIGHTING FIXTURES, EXIT SIGNS, EMERGENCY LIGHTS, BATTERY PACKS, AND LIGHTING DEVICES ARE EXISTING TO REMAIN.
2	NEW LOCATION OF EXISTING OCCUPANCY SENSOR.
3	NEW LOCATION OF EXISTING EXIT SIGN.

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Project Component
DESIGN DEVELOPMENT
Key Plan



Consultants	
Architecture:	NORR ARCHITECTS & ENGINEERS LTD
Structural:	NORR ARCHITECTS & ENGINEERS LTD
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Electrical:	NORR ARCHITECTS & ENGINEERS LTD

Seal(s)

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Project Manager P.RANCHAL	Drawn M.ATTARI
Project Leader M.ATTARI	Checked M.AHMED

CYCLIC MATERIALS
Cyclic Materials
320 BAY ST., TORONTO, ON M5H 4A6, CANADA

Project

**CYCLIC MATERIALS HUB
CENTER**

650 Cataraqui Woods Dr, Kingston, ON K7P 2Y4

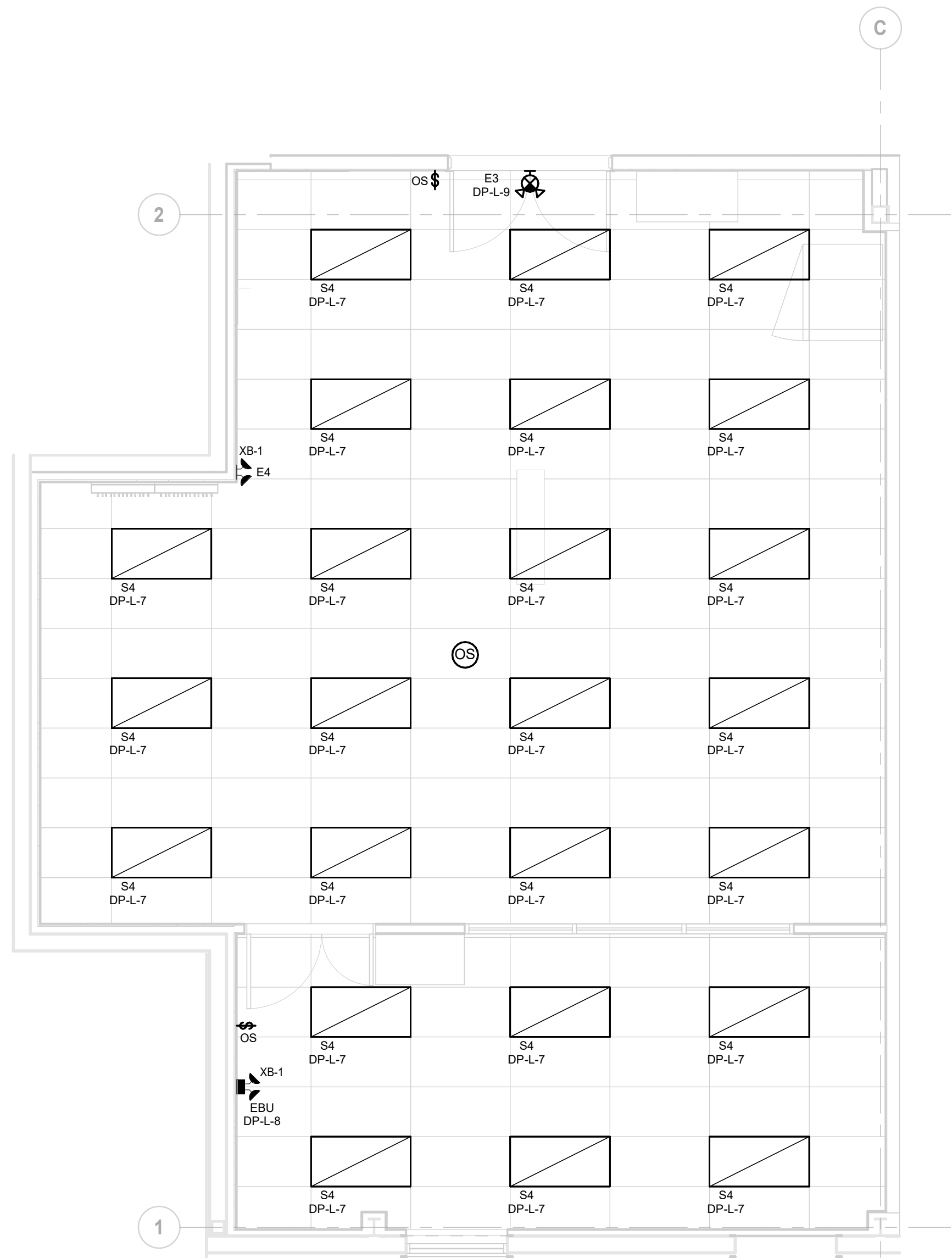
GROUND FLOOR LIGHTING LAYOUTS

Scale
1 : 200

Project No. IN1024-0349

Drawing No. **E20-01L**

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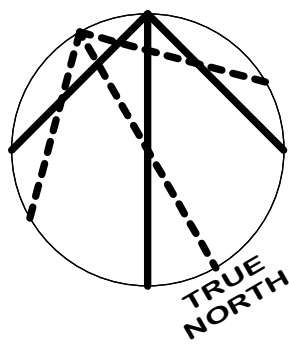
Project Manager P.RANCHAL	Drawn M.ATTARI
Project Leader M.ATTARI	Checked M.AHMED

**CYCLIC MATERIALS HUB
CENTER**

Scale
1 : 50

Project No.	IN1024-0349
Drawing No.	E21-01L

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Autodesk Docs - Cyclic Materials T1 - ON Kingston/IN1024-0349_E1.mxd - Cyclic Materials T1 - ON Kingston/IN1024-0349_E1.mxd



SHEET KEYNOTE	
KEYNOTE #	DESCRIPTION
1	KEEP THE INTEGRITY OF THE EXISTING FIRE ALARM SYSTEM DURING DEMOLITION AND NEW WORK. FIRE ALARM SYSTEM TO BE KEPT FUNCTIONING DURING CONSTRUCTION.
2	UNLESS NOTED OTHERWISE, ALL FIRE ALARM DEVICES SHOWN ON THIS SHEET ARE EXISTING TO REMAIN.

DATE	ISSUED FOR	REV
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2025-04-24	TENDER - QA LAB	0

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Project Component
DESIGN DEVELOPMENT
Key Plan

Consultants
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Structural: NORR ARCHITECTS & ENGINEERS LTD
Mechanical: NORR ARCHITECTS & ENGINEERS LTD
Electrical: NORR ARCHITECTS & ENGINEERS LTD

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2

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Project Manager P.RANCHAL	Drawn M.ATTARI
Project Leader M.ATTARI	Checked M.AHMED

Client
CYCLIC MATERIALS
Cyclic Materials
320 BAY ST., TORONTO, ON M5H 4A6, CANADA

Project
CYCLIC MATERIALS HUB CENTER

650 Cataragui Woods Dr. Kingston, ON K7P 2Y4
Drawing Title
GROUND FLOOR OVERALL FIRE ALARM PLAN

Scale	1 : 200
Project No.	IN1024-0349
Drawing No.	E30-01L

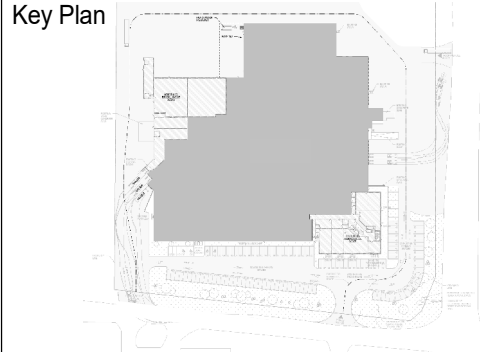
LUMINAIRE SCHEDULE - LAB											
TYPE	LAMP TYPE	DESCRIPTION	FIXTURE LUMENS	VOLTAGE	FIXTURE WATTS	CRI	COLOUR TEMP	CONTROLS	MOUNTING	BASIS OF DESIGN MANUFACTURER	CATALOGUE NUMBER
E3	LED	GREEN RUNNING MAN EXIT SIGN WITH TWIN LED MR16 HEADS, MINIMUM 30 MINUTES RUN TIME, AUTOTEST, AND FACES, CHEVRONS, AND MOUNTING AS SHOWN ON DRAWINGS.	-	347 V	36 W	-	-	-	SURFACE/WALL	STANPRO	PRMS-1036-0-2M-7LA-AT
E4	LED	EMERGENCY REMOTE HEADS WITH TWIN MR16 HEADS, 24VDC.	-	347 V	14 W	-	-	-	SURFACE/SUSPENDED	STANPRO	S2-12-24V7W-LA-WH
EBU	LED	EMERGENCY BATTERY UNIT WITH TWIN LED MR16 HEADS AND CAPACITY AS SHOWN ON DRAWINGS, MINIMUM 30 MINUTES RUN TIME	-	347 V	150 W	-	-	-	SURFACE/WALL	STANPRO	SLC24144-214LJWH
S4	LED	2x4" RECESSED TROFFER 3-1/4" DEEP HOUSING WITH HINGED DOOR ASSEMBLY, PERCEIVE BEVEL OPTICAL SYSTEM, 0.125" THICK WITH DIFFUSER, 30 ELEMENTS AND ANTI-GLARE, 1/2" REGRESSED EXTRUDED ALUMINUM DOOR, CALCULATED L10>170,000 HOURS	3500	347 V	25 W	>80	3500K	0-10V DIMMING	RECESSED, T-BAR	COOPER - METALUX PERCEIVE 24PD	24PD-35-PR1-347V-LB35

DATE	ISSUED FOR	REV
2025-01-28	PERMIT - QA LAB	A
2025-04-24	TENDER - QA LAB	0

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Project Component
DESIGN DEVELOPMENT
Key Plan



Consultants
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Mechanical: NORR ARCHITECTS & ENGINEERS LTD
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Seal(s)

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Project Manager P.RANCHAL	Drawn MATTARI
Project Leader MATTARI	Checked M.AHMED

Client

CYCLIC MATERIALS

Cyclic Materials

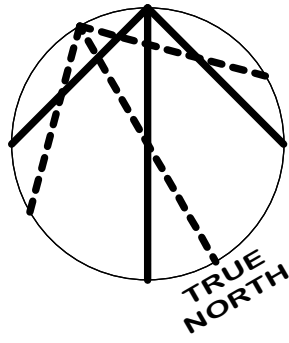
320 BAY ST., TORONTO, ON M5H 4A6, CANADA

Project
CYCLIC MATERIALS HUB CENTER

650 Cataraqui Woods Dr, Kingston, ON K7P 2Y4

Drawing Title
SCHEDULES

Scale	
Project No.	IN1024-0349
Drawing No.	E60-01L



SHEET KEYNOTE	
KEYNOTE #	DESCRIPTION
1	REMOVE EXISTING SPLITTER AND DISCONNECT SWITCH. REROUTE EXISTING CONDUCTOR FOR CONNECTION TO THE NEW DISTRIBUTION PANEL DPL UNDER NEW WORK.
2	RELOCATE EXISTING END OF LINE DEVICE TO SHOWN LOCATION ON SHEET E30-01
3	KEEP THE INTEGRITY OF THE EXISTING FIRE ALARM SYSTEM DURING DEMOLITION AND NEW WORK. FIRE ALARM SYSTEM TO BE KEPT FUNCTIONING DURING CONSTRUCTION.
4	RELOCATE EXISTING EMERGENCY REMOTE HEAD TO THE SHOWN LOCATION ON DRAWING E20-01
5	MAKE SAFE DISCONNECT AND REMOVE EXISTING OCCUPANCY SENSOR. KEEP WIRING AND CONDUIT FOR NEW WORK. OCCUPANCY SENSOR SHALL BE INSTALLED IN NEW LOCATION UNDER THE SCOPE OF NEW WORK.
6	RELOCATE EXISTING EXIT SIGNS TO THE SHOWN LOCATION ON DRAWING E20-01
7	REMOVE EXISTING ELECTRICAL DEVICES AND FIXTURES FROM THE WALL. MAKE SAFE DISCONNECT AND REMOVE ALL WIRING AND CONDUIT TO THE SOURCE. REROUTE EXISTING WIRING AND CONDUITS RUNNING ON WALL OR THROUGH WALL THAT ARE SERVING DEVICES LOCATED OTHER THAN THE WALL THAT WILL BE DEMOLISHED. REFER TO ARCHITECTURAL DRAWINGS FOR THE AREAS TO BE DEMOLISHED.

DATE	ISSUED FOR	REV
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2025-04-24	TENDER - QA LAB	0

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Project Component
DESIGN DEVELOPMENT
Key Plan

Consultants
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Structural: NORR ARCHITECTS & ENGINEERS LTD
Mechanical: NORR ARCHITECTS & ENGINEERS LTD
Electrical: NORR ARCHITECTS & ENGINEERS LTD

Seal(s)
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Project Leader M.ATTARI	Checked M.AHMED

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320 BAY ST., TORONTO, ON M5H 4A6, CANADA

Project
CYCLIC MATERIALS HUB CENTER

650 Cataragui Woods Dr, Kingston, ON K7P 2Y4

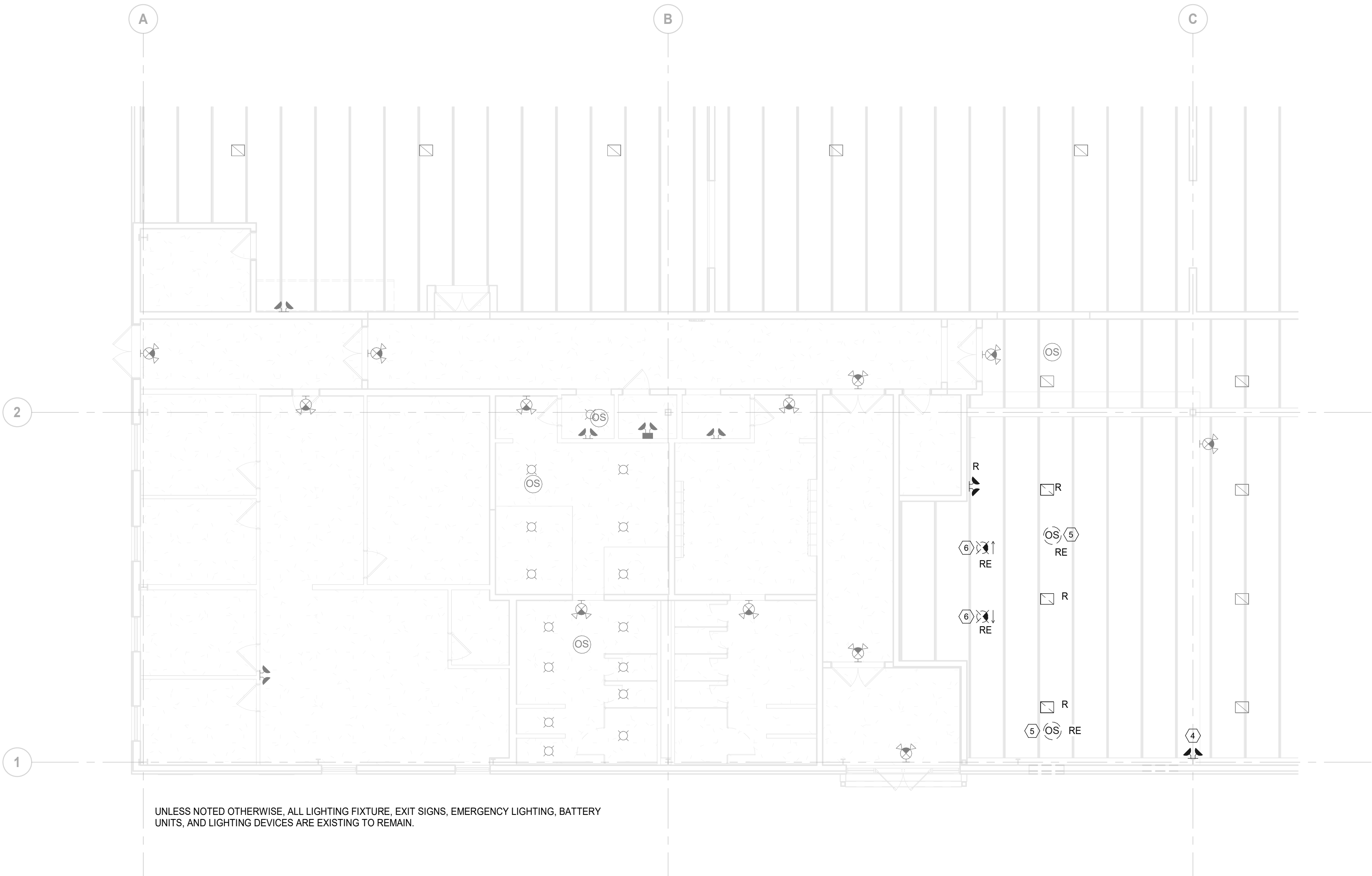
Drawing Title
GROUND FLOOR DEMOLITION PLAN

Scale
1 : 100

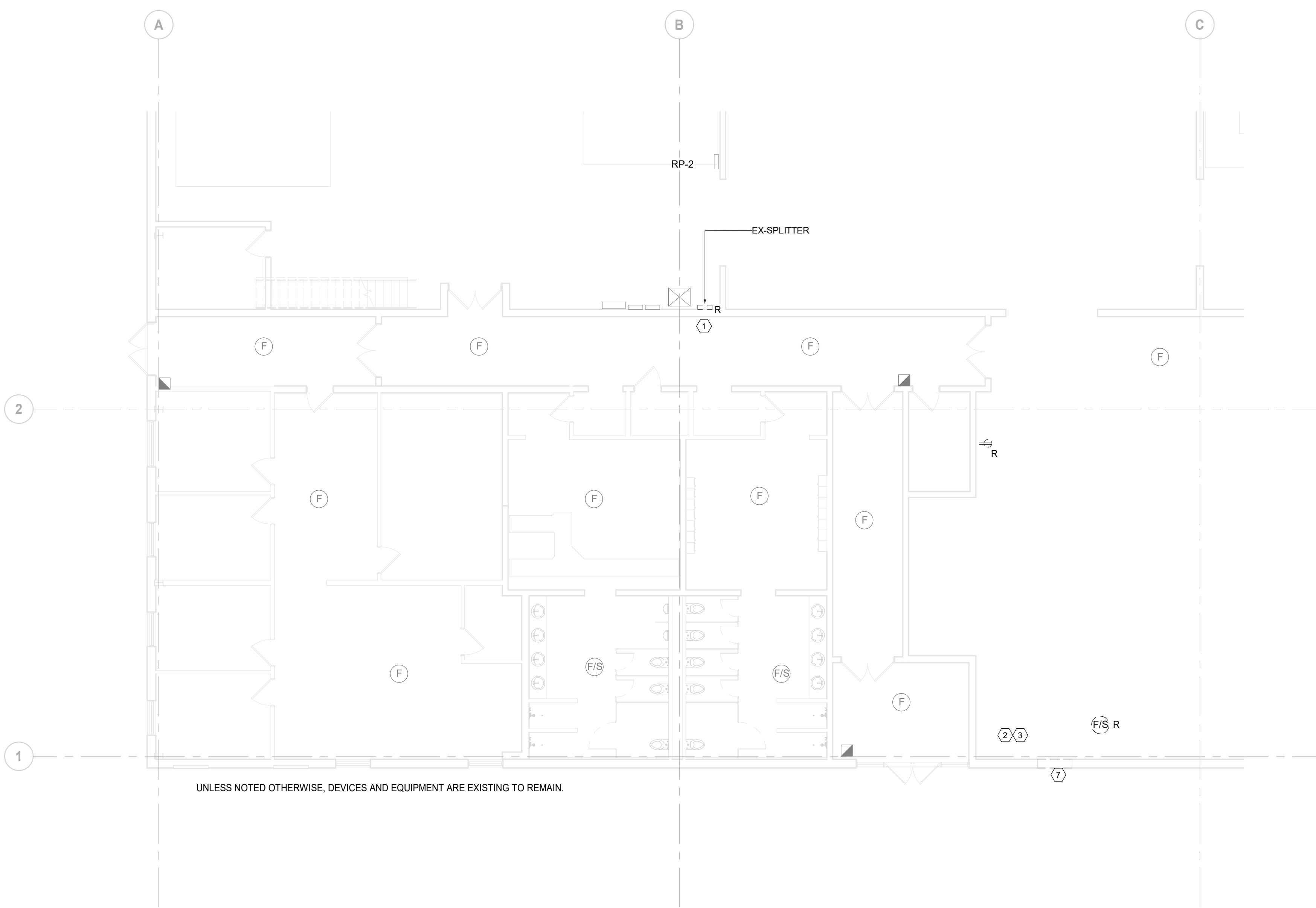
Project No.
IN1024-0349

Drawing No.
E80-01L

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2
E80-01L
LIGHTING DEMOLITION LAYOUT
SCALE: 1 : 100



1
E80-01L
POWER & SYSTEMS DEMOLITION LAYOUT
SCALE: 1 : 100