

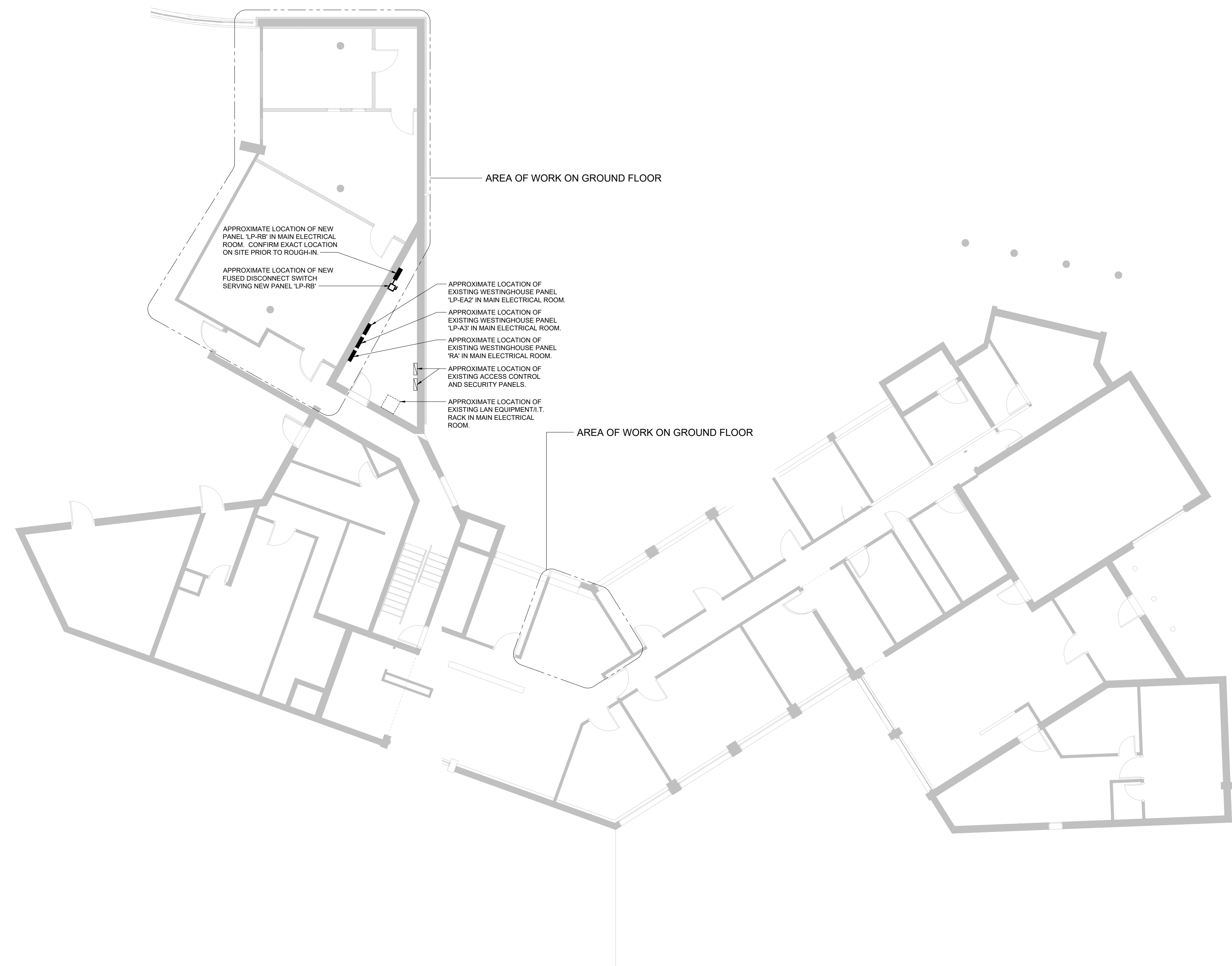
JONES  JONES
ARCHITECTS
LANDSCAPE ARCHITECTS
PLANNERS



250 ROWNTREE DAIRY RD, WOODBRIDGE, ON
TEL: 905-507-0800
WEB: WWW.QUASARCG.COM

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE EMAIL
CM-23-257@QUASARCG.COM

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Toronto Zoo
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ON M1B 5K7

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2024-04-23

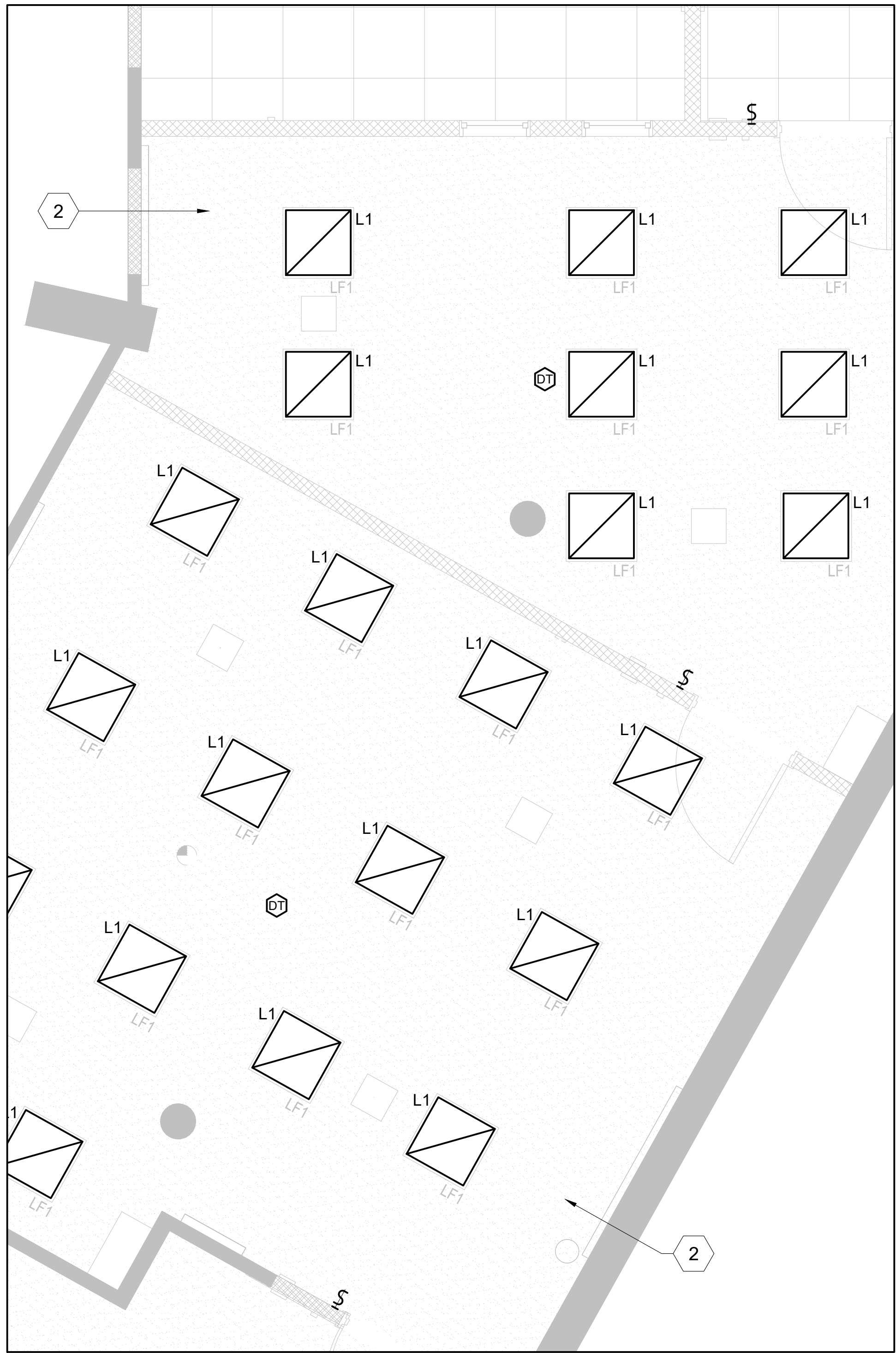
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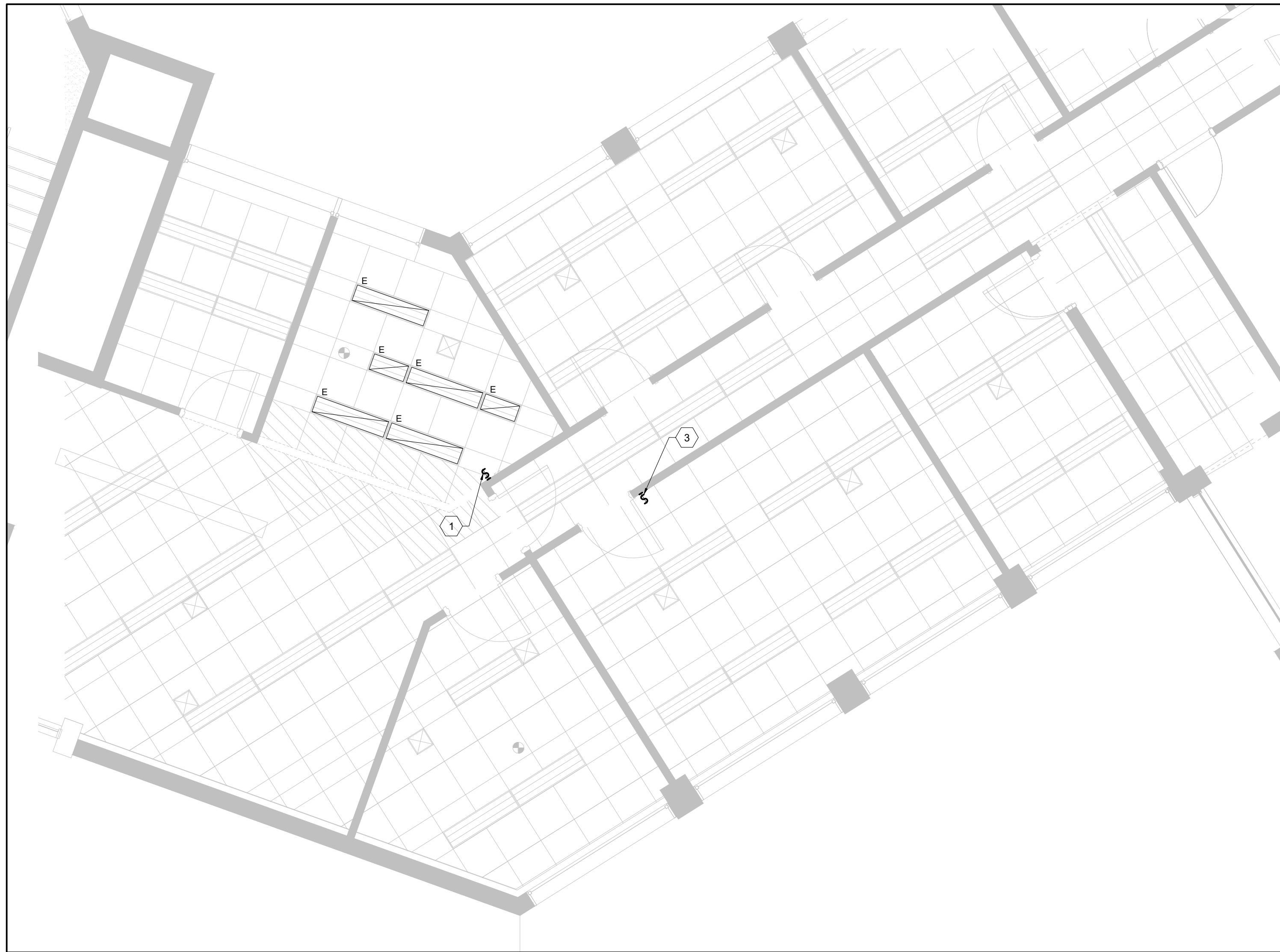
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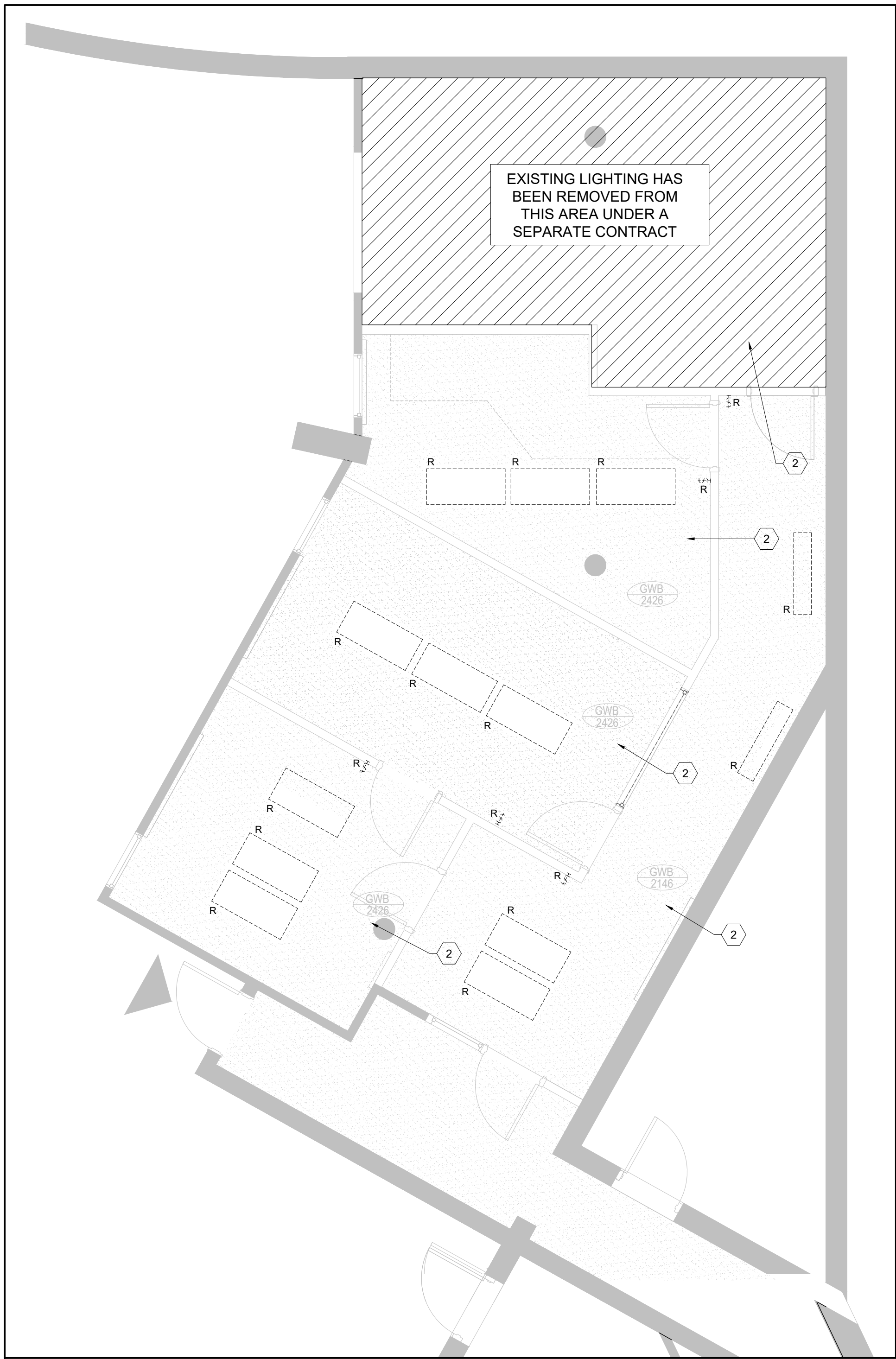
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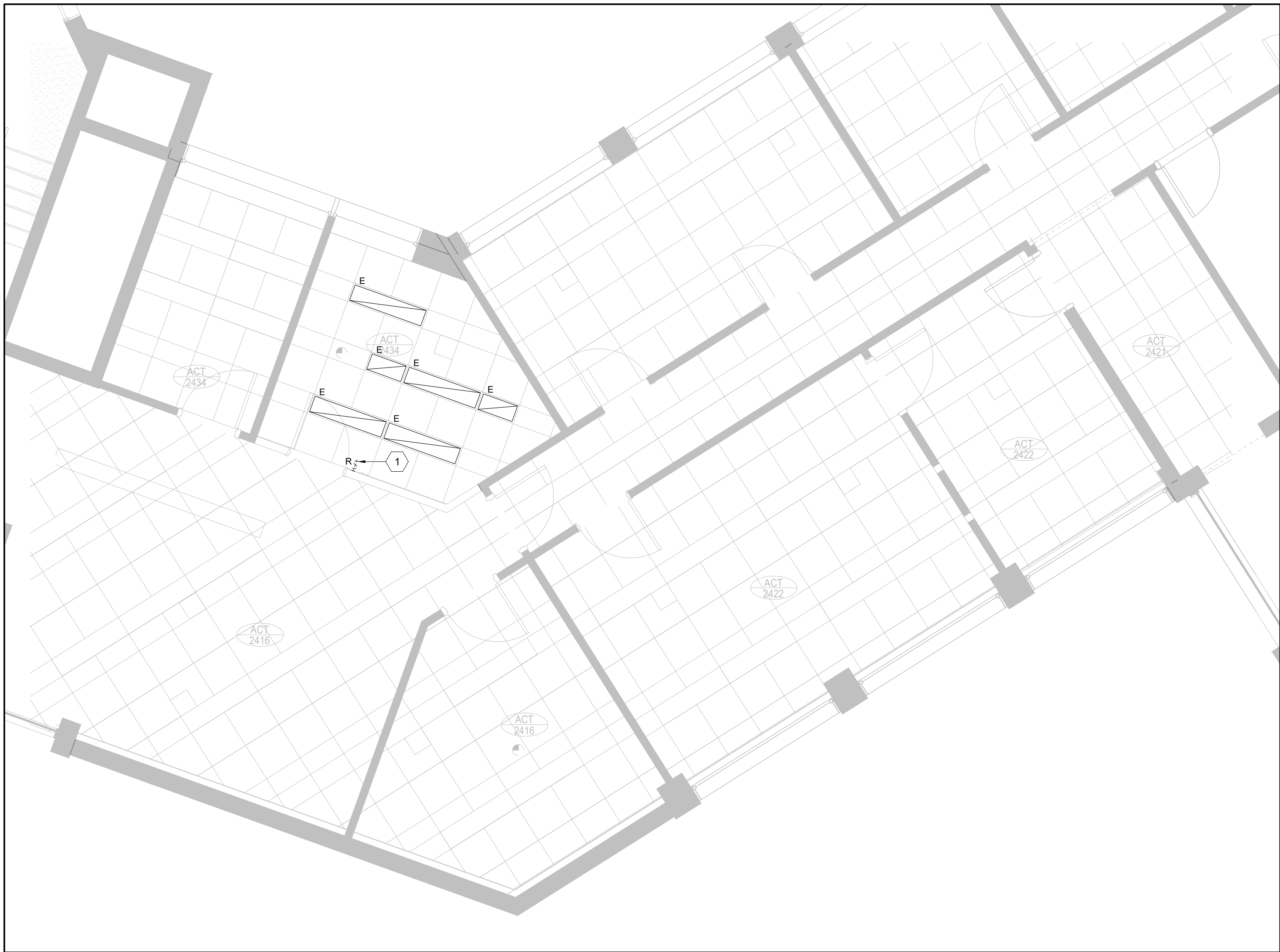
4 PARTIAL GROUND FLOOR NEW WORK PLAN - LIGHTING
SCALE: 1:50



3 PLAZA AREA NEW WORK PLAN - LIGHTING
SCALE: 1:50



2 PARTIAL FIRST FLOOR DEMOLITION PLAN - LIGHTING
SCALE: 1:50



1 PLAZA AREA DEMOLITION PLAN - LIGHTING
SCALE: 1:50

GENERAL DEMOLITION NOTES

1. THIS DRAWING IS ISSUED TO SHOW SCOPE OF WORK ONLY. THE CONTRACTOR MUST PERFORM A SITE INSPECTION (INCLUDING CEILING SPACES) DURING THE TENDER PERIOD AND ENSURE THAT ALL WORK THAT IS VISIBLE IS INCLUDED IN THE DEMOLITION SCOPE OF WORK. ALL EXISTING SERVICES THAT PASS THROUGH THE RENOVATION AREA (UNLESS OBSOLETE) ARE TO BE MAINTAINED AND/OR RELOCATED TO SUIT THE SCOPE OF WORK.
2. FOR EXISTING WIRING DEVICES NOTED AS BEING REMOVED, BE RESPONSIBLE TO REMOVE DEVICE AND ASSOCIATED WIRING IN ITS ENTIRETY, INCLUDING ANY ASSOCIATED CONDUIT BACK TO SOURCE PANEL OR JUNCTION BOX. BE RESPONSIBLE TO MAINTAIN THE DOWNSTREAM CONTINUITY OF ANY OTHER DEVICES CONNECTED TO THE SAME BRANCH CIRCUIT.

DEMOLITION WORK KEY NOTES

1. EXISTING LIGHT SWITCH TO BE DISCONNECTED AND REMOVED IN ITS ENTIRETY. BE RESPONSIBLE TO MODIFY EXISTING BRANCH CIRCUIT AS REQUIRED TO ACCOMMODATE REMOVAL OF EXISTING SWITCH AND PROVISION OF NEW AS SHOWN ON NEW WORK DRAWINGS.
2. EXISTING LUMINAIRES WITHIN THIS SPACE TO BE REMOVED IN THEIR ENTIRETY. BE RESPONSIBLE TO RETAIN EXISTING BRANCH CIRCUIT FROM SOURCE PANELBOARD, MODIFY EXISTING BRANCH CIRCUIT WIRING AS REQUIRED AND RECONNECT TO NEW LUMINAIRE AND SWITCHING ARRANGEMENT AS SHOWN ON NEW WORK PLANS.

GENERAL NEW WORK NOTES

1. CONTRACTOR SHALL ALSO REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR LOCATION OF LIGHTING AND/OR WIRING DEVICES.
2. INSTALLATION OF ALL EQUIPMENT WITHIN CEILING SPACE SHALL BE COORDINATED ON SITE WITH ALL OTHER TRADES. ALSO REFER TO STRUCTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF BEAMS, JOISTS, DUCTWORK, ETC. AND COORDINATE ROUTING AND INSTALLATION OF ELECTRICAL EQUIPMENT WITH THESE DRAWINGS.
3. ALL BRANCH FEEDERS SHALL BE MINIMUM #12 + GROUND IN 21mm CONDUIT, UNLESS NOTED OTHERWISE ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE TO UPSIZE FEEDERS AS REQUIRED TO SUIT THE REQUIREMENTS OF THE O.E.S.C. AND THE VOLTAGE DROP CHART ON DRAWING #E-300.
4. NEW DEVICES INSTALLED ON EXISTING WALL CONSTRUCTION SHALL BE INSTALLED SURFACE MOUNTED ON CAST FS BACKBOXES WITH SURFACE RACEWAY (LEGRAND 400 SERIES OR EQUIVALENT). DEVICES INSTALLED IN NEW WALL CONSTRUCTION SHALL BE INSTALLED FLUSH MOUNTED OR SURFACE MOUNTED TO SUIT APPLICATION WITH FLUSH MOUNTED BACKBOXES AND CONDUIT WITHIN WALL.

NEW WORK SHEET KEY NOTES

1. PROVIDE NEW LIGHT SWITCH IN LOCATION SHOWN AND CONNECT TO EXISTING LIGHTING AND LIGHTING CIRCUIT WITHIN NEW LOUNGE SPACE.
2. CONNECT NEW LIGHTING AND/OR LIGHTING CONTROLS TO EXISTING BRANCH CIRCUIT WITHIN THIS SPACE.
3. PROVIDE NEW LINE VOLTAGE SWITCH AND CONNECT TO EXISTING LUMINAIRES AND LIGHTING CIRCUIT IN THIS SPACE. MODIFY EXISTING LIGHTING BRANCH CIRCUIT AS REQUIRED TO ACCOMMODATE NEW SWITCH.



158 Sterling Rd 6th Floor,
Toronto, ON M6R 2B7
T +1 (416) 596-8300

JONES JONES
ARCHITECTS
LANDSCAPE ARCHITECTS
PLANNERS



250 ROWNTREE DAIRY RD, WOODBRIDGE, ON
TEL: 905-507-0860
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NO.	ISSUE/REVISION	DATE
3	ISSUED FOR IFT	2024-12-03
2	ISSUED FOR BP	2024-05-03
1	ISSUED FOR COORDINATION	2024-05-01

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PROJECT NO.

CM-23-257

TITLE

DRAWING NO.

E-101

DEMOLITION & NEW WORK PLANS - LIGHTING

1. THIS DRAWING IS INTENDED TO SHOW SCOPE OF WORK ONLY. THE CONTRACTOR MUST PERFORM A SITE INSPECTION (INCLUDING CEILING SPACES) DURING THE TENDER PERIOD AND ENSURE THAT ALL WORK THAT IS VISIBLE IS INCLUDED IN THE DEMOLITION SCOPE OF WORK. ALL EXISTING DEVICES THAT PASS THROUGH THE DEMOLITION SCOPE (UNLESS OBSOLETE) ARE TO BE MAINTAINED AND/OR RELOCATED TO SUIT THE SCOPE OF WORK.
2. FOR EXISTING DATA OUTLETS NOTED AS BEING REMOVED, BE RESPONSIBLE TO REMOVE EXISTING DEVICE AND ASSOCIATED WIRING IN ITS ENTIRETY. WIRING SHALL BE PULLED BACK TO EXISTING LAN ROOM ON GROUND FLOOR AND COILED FOR FUTURE USE OR REMOVAL BY OWNER.
3. FOR EXISTING WIRING DEVICES NOTED AS BEING REMOVED, BE RESPONSIBLE TO REMOVE DEVICE AND ASSOCIATED WIRING IN ITS ENTIRETY. WIRING SHALL BE PULLED BACK TO ANY BACK TO SOURCE PANEL OR JUNCTION BOX. BE RESPONSIBLE TO MAINTAIN THE DOWNSTREAM CONTINUITY OF ANY OTHER DEVICES CONNECTED TO THE SAME BRANCH CIRCUIT.

[illegible]

2	CONTRACTOR SHALL ALSO REFERENCE THE EXISTING ELECTRICAL REFLECTED CEILING PLANS AND INTERFERENCES FOR ALL EQUIPMENT WITHIN THE EXISTING WIRING DEVICES.
3	ALL NEW ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS ON SITE WITH ALL OTHER TRADES. ALSO REFER TO STRUCTURAL, MECHANICAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF ALL STRUCTURE, CONDUITS, TRAYS, RACEWAYS, TERMINATION, ROUTING AND INSTALLATION OF ALL ELECTRICAL EQUIPMENT WITH THOSE DRAWINGS.
4	ALL NEW RECEPTACLES AND SWITCHES SHALL BE WHITE IN COLOR WITH STAINLESS STEEL FACERATES.
5	ALL BRANCH FEEDERS SHALL BE MINIMUM 2812 x 2" BUNDLE IN 2" MIN CONDUIT, UNLESS NOTED OTHERWISE. THE DRAWING SHALL BE USED TO DETERMINE THE MINIMUM SIZE OF THE FEEDER REQUIRED TO SUIT THE REQUIREMENTS OF THE O.E.S.C. AND THE VOLTAGE DROP CHART ON DRAWING 100-100-000.
6	NEW DEVICES INSTALLED ON EXISTING WALL CONSTRUCTION SHALL BE INSTALLED SURFACE MOUNTED ON GAST FS BACKBOXES WITH SURFACE RACEWAY (LEGRAND 400 SERIES OR EQUIV.) DEVICES SHALL BE INSTALLED SURFACE MOUNTED ON GAST FS BACKBOXES WITH FLUSH MOUNTED DEVICES MOUNTED TO SUIT APPLICATION WITH FLUSH MOUNTED BACKBOXES AND SURFACE RACEWAY.

	PROVIDE NEW DUPLEX RECEPTACLE FOR RELOCATED VENDING MACHINE AND RECONNECT TO EXISTING BRANCH CIRCUIT.
6	REMOVE EXISTING SIGNALING CABLE FROM EXISTING SIGNALING CABLE TRAY. REMOVE EXISTING ALARM CONNECTIONS TO EXISTING SIGNALING CABLE AS REQUIRED AND PROVIDE APPROPRIATE WIRING AS REQUIRED TO RELOCATED NEW HORN.
7	REMOVE EXISTING LINE DETECTOR FROM RELOCATED POST BOX.
8	CONNECTION TO NEW SURFACE WALL MOUNTED BASEBOARD HEATER. MODIFY EXISTING BRANCH CIRCUIT FROM EXISTING HEATERS AND REQUIRED TO RECONNECT TO NEW HEATER CEMENT HEATER SHALL BE SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED UNDER THIS DIVISION.
9	CONNECTION TO NEW SURFACE WALL MOUNTED BASEBOARD HEATER. FOR BRANCH CIRCUIT INDICATED, EXTEND #12 - GROUND IN 2mm conduit from ASSOCIATED BREAKER IN NEW PANEL TO NEW HEATER. COORDINATE EXACT LOCATION AND FINAL CONNECTIONS WITH GENERAL CONTRACTOR ON SITE.
10	CONNECTION TO NEW POWER DOOR OPERATOR AND ASSOCIATED ELECTRIC STRIKE. FOR BRANCH CIRCUIT INDICATED, EXTEND #12 + GROUND IN 2mm conduit from ASSOCIATED BREAKER IN NEW PANEL TO NEW OPERATOR. COORDINATE EXACT LOCATION AND FINAL CONNECTIONS WITH GENERAL CONTRACTOR ON SITE.
11	CONNECTION TO NEW POWER DOOR OPERATOR AND ASSOCIATED ELECTRIC STRIKE. FOR BRANCH CIRCUIT INDICATED, EXTEND #12 + GROUND IN 2mm conduit from ASSOCIATED BREAKER IN NEW PANEL TO NEW OPERATOR. COORDINATE EXACT LOCATION AND FINAL CONNECTIONS WITH GENERAL CONTRACTOR ON SITE. INCLUDE FOR REQUIRED LINE AND LOAD CALCULATIONS.



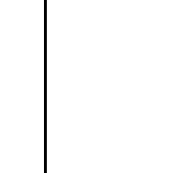
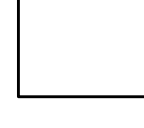
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NOTE: DISTANCES INDICATED IN METRES FROM PANEL TO LOAD FOR SINGLE PHASE

4 MAXIMUM BRANCH WIRING DISTANCE FOR 3% VOLTAGE DROP
SCALE: NOT TO SCALE

