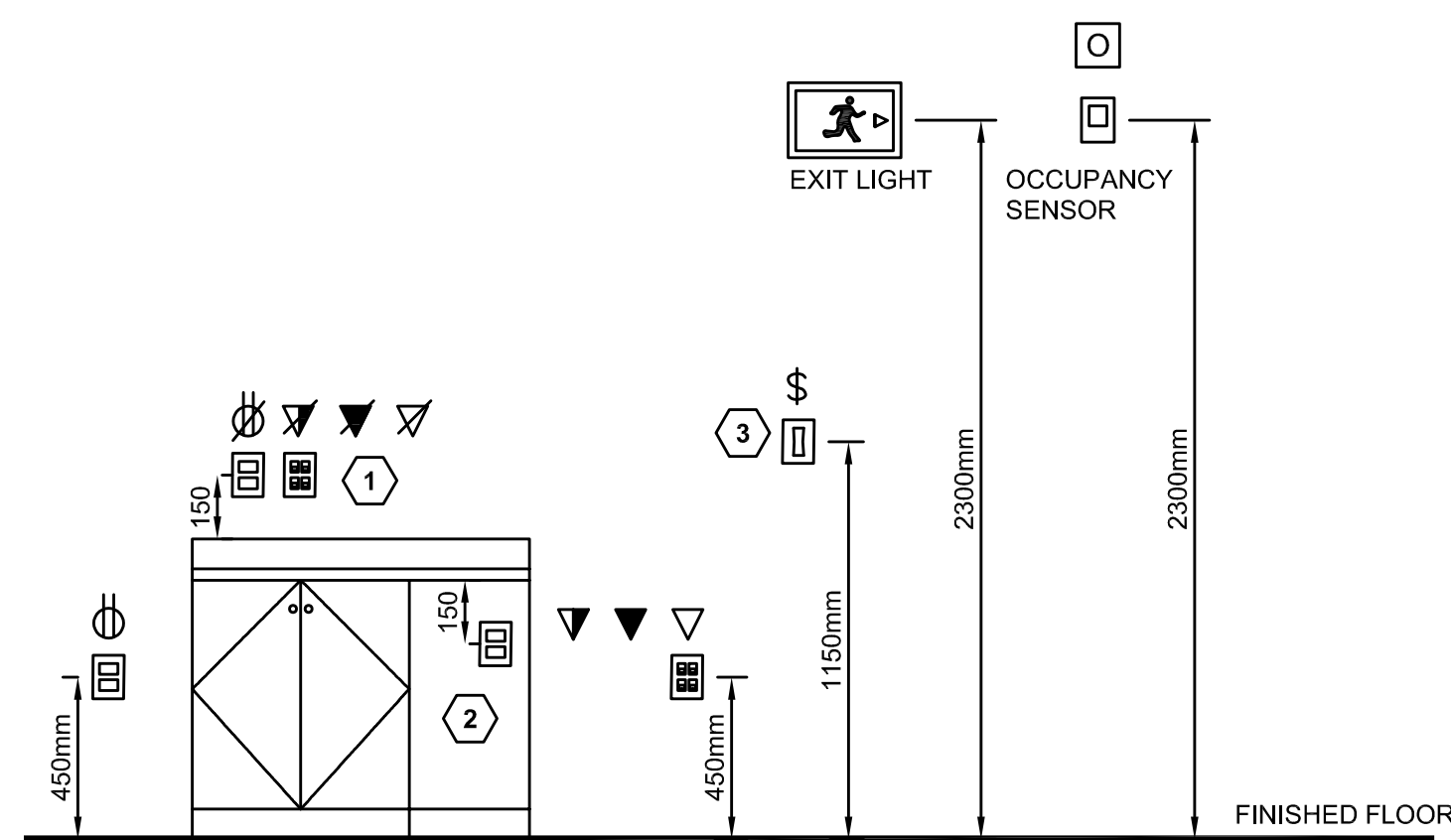


1 | BASEMENT DEMOLITION PLAN
E1.1 | 1:100

COMMUNICATION/RECEPTACLE/EMERGENCY LIGHTING MOUNTING ELEVATION DETAIL NOTES:

- MOUNT 150mm ABOVE TOP OF BACKSLASH. IF THERE IS NO BACKSLASH MOUNT 150mm ABOVE TOP OF COUNTER.
- RECEPTACLE MOUNTED ON GABLE END OF PENINSULA OR ISLAND.
- MOUNTING HEIGHT APPLIES TO ALL OPERABLE SWITCH TYPES INCLUDING BUT NOT LIMITED TO OCCUPANCY SENSOR SWITCH, KEYED SWITCH, LOW VOLTAGE SWITCH, THREE-WAY SWITCH, FOUR-WAY SWITCH, VACANCY SENSOR SWITCH, DIMMER SWITCH AND MOTOR SPEED CONTROLLER.



2 | COMMUNICATION/RECEPTACLE/EMERGENCY LIGHTING MOUNTING ELEVATION DETAIL
E1.1 | NTS

BASEMENT DEMOLITION PLAN NOTE LEGEND:

- EXISTING 120/208V SPLITTER SHALL REMAIN. REMOVE THE TWO-100A DISCONNECTS SERVING THE MAIN FLOOR PANELS AND THE LOCKED OFF DISCONNECTS FOR THE PREVIOUSLY DECOMMISSIONED ELECTRICAL EQUIPMENT. REMOVE ALL CONDUIT AND WIRE. SEAL AND FIRE CAULK OPENINGS BETWEEN FIRE SEPARATIONS FROM WHERE CONDUITS ARE REMOVED.
- EXISTING BASEMENT FIRE ALARM CONTROL PANEL SERVING FORMER BANK AREA SHALL BE REMOVED ONCE NEW FIRE ALARM SYSTEM EQUIPMENT IS INSTALLED, OPERATIONAL AND VERIFIED. REMOVE ALL ASSOCIATED CONDUIT AND WIRE. SEAL AND FIRE CAULK OPENINGS BETWEEN FIRE SEPARATIONS FROM WHERE CONDUITS ARE REMOVED.
- EXISTING 347/600V SPLITTER SHALL REMAIN.
- EXISTING 347/600V PANEL SHALL REMAIN. REMOVE CONDUIT AND WIRE BACK TO BREAKER SERVING MAIN FLOOR 347/600V LIGHTING PANEL. REMOVE ALL CONDUIT AND WIRE. TURN BREAKER OFF AND UPDATE PANEL SCHEDULE. SEAL AND FIRE CAULK OPENINGS BETWEEN FIRE SEPARATIONS FROM WHERE CONDUITS ARE REMOVED.
- EXISTING FIRE ALARM EQUIPMENT SHALL BE REMOVED. REMOVE WIRING BACK TO FORMER BANK FIRE ALARM CONTROL PANEL LOCATED IN BASEMENT ELECTRICAL ROOM. PROVIDE FIRE WATCH UNTIL NEW FIRE ALARM SYSTEM EQUIPMENT IS INSTALLED AND OPERATIONAL IN THE SPACE.
- EXISTING EMERGENCY LIGHTING SHALL BE REMOVED. PROVIDE STAINLESS STEEL BLANK COVERPLATE OVER ABANDONED LOCATION.
- EXISTING LIGHT FIXTURE/EXIT LIGHT SHALL BE REMOVED. REMOVE WIRE BACK TO BREAKER.
- EXISTING LIGHT FIXTURE SHALL BE REMOVED. REVISE WIRING AS REQUIRED TO ENSURE REMAINDER OF LIGHT FIXTURES ON CIRCUIT AND SWITCH CONTINUE TO OPERATE.
- EXISTING LIGHT SWITCH SHALL BE REMOVED. REMOVE WIRING TO LIGHT FIXTURE AND BACK TO BREAKER.
- EXISTING LIGHTING AND SWITCHING IN THIS AREA SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING LIGHT FIXTURE SHALL REMAIN.

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	LED OR FLUORESCENT LIGHT FIXTURE - SURFACE MOUNT
	LED OR FLUORESCENT LIGHT FIXTURE - RECESS MOUNT
	LED OR FLUORESCENT LIGHT FIXTURE - EMERGENCY/NIGHT LIGHT
	LED, INCANDESCENT, H.I.D. OR COMPACT FLUORESCENT LIGHT FIXTURE - SURFACE MOUNT
	LED, INCANDESCENT, H.I.D. OR COMPACT FLUORESCENT LIGHT FIXTURE - RECESS MOUNT
	LED, INCANDESCENT, H.I.D. OR COMPACT FLUORESCENT LIGHT FIXTURE - WALL MOUNT
	EXIT LIGHT FIXTURE - WALL / CEILING MOUNT - FILLED SIDE INDICATES FACE
	BATTERY OPERATED REMOTE EMERGENCY LIGHT - WALL MOUNT - SINGLE / DOUBLE UNIT
	BATTERY OPERATED REMOTE EMERGENCY LIGHT - CEILING MOUNT - SINGLE / DOUBLE UNIT
	BATTERY OPERATED EMERGENCY LIGHTING UNIT - WALL MOUNT / CEILING MOUNT
	LETTERS INDICATE LIGHT FIXTURE TYPE
NL	UNSWITCHED NIGHT LIGHT
\$	SINGLE POLE SWITCH
\$3 \$4 \$D	3-WAY SWITCH, 4-WAY SWITCH, DIMMER SWITCH
\$K \$PL \$LV	KEYED SWITCH, PILOT LIGHT SWITCH, LOW VOLTAGE SWITCH
\$ \$ \$	MULTI GANG SWITCHES
	LIGHTING CONTROL OCCUPANCY SENSOR - WALL / CEILING MOUNT / WALL SWITCH
	PHOTOCELL
	PANELBOARD - RECESSED / SURFACE
	DUPLEX RECEPTACLE - WALL MOUNT / FLOOR MOUNT / CEILING MOUNT
	COMBINATION DUPLEX RECEPTACLE WITH USB CHARGER
	DUPLEX RECEPTACLE - EMERGENCY POWER
	SPECIAL PURPOSE OUTLET - SIZE AS NOTED ON DRAWINGS
	TELEPHONE OUTLET - WALL MOUNT / FLOOR MOUNT / CEILING MOUNT
	DATA OUTLET - WALL MOUNT / FLOOR MOUNT / CEILING MOUNT
	TELEVISION OUTLET - WALL MOUNT / FLOOR MOUNT / CEILING MOUNT
	DEVICES MOUNTED ABOVE COUNTER
	PAC-POLE - SEE SPEC FOR DEVICES
	DAYLIGHT SENSOR - CEILING MOUNT
	JUNCTION BOX - WALL MOUNT / CEILING MOUNT
	ELECTRIC MOTOR
	DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	MANUAL MOTOR STARTER
	COMBINATION MOTOR STARTER
	FAN SWITCH, MOTOR SPEED CONTROLLER, MOTORIZED DOOR CONTROLLER
	DOOR ENTRY SIGNAL DEVICE
	DOOR ENTRY PUSH BUTTON
	INTERCOM OUTLET
	SPEAKER - WALL MOUNT / CEILING MOUNT
	SOUND MASKING SYSTEM SPEAKER - WALL MOUNT / CEILING MOUNT
	CARD READER
	PASSIVE INFRARED MOTION DETECTOR - WALL MOUNT / CEILING MOUNT
	DOOR ENTRY KEYPAD
	GLASS BREAK DETECTOR - WALL MOUNT / CEILING MOUNT
	DOOR PROXIMITY SWITCH
	FIRE ALARM HEAT DETECTOR
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM CARBON MONOXIDE DETECTOR
	FIRE ALARM DUCT SMOKE DETECTOR
	FIRE ALARM PULL STATION
	FIRE ALARM SPEAKER - RECESSED WALL / RECESSED CEILING
	FIRE ALARM SPEAKER WITH STROBE LIGHT - RECESSED WALL / RECESSED CEILING
	FIRE ALARM SPEAKER - SURFACE WALL / SURFACE CEILING
	FIRE ALARM SPEAKER WITH STROBE LIGHT - SURFACE WALL / SURFACE CEILING
	FIRE FIGHTERS TELEPHONE
	MAGNETIC DOOR HOLDER
	FIRE ALARM FAULT ISOLATION MODULE
	FIRE ALARM RELAY MODULE
	FIRE ALARM MONITOR MODULE
	WASHROOM CALL FOR ASSISTANCE STATION, 'B'-BATH
	WASHROOM CALL FOR ASSISTANCE SPEAKER HORN/STROBE
	SEPARATE CIRCUIT
E	EXISTING ELECTRICAL EQUIPMENT TO REMAIN
A-2	NUMBER INDICATES CIRCUIT NUMBER (i.e. #2 AT PANEL 'A')
GFI	GROUND FAULT INTERRUPTER
	NOTE LEGEND SYMBOL

DO NOT SCALE DRAWINGS

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#	ISSUED FOR TENDER	20210317

Revision/ Revision	Description/Description	Date/Date
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Client/client

PUBLIC WORKS AND
GOVERNMENT SERVICES
CANADA

Project title/Titre du projet
1783 HAMILTON STREET
REGINA, SASKATCHEWAN

ESDC - PPT REGINA
AMALGAMATION

Approved by/Approve par
BCN

Designed by/Concept par
PLJ

Drawn by/Dessine par
PLJ

PWGSC Project Manager/Administrateur de Projets TPSGC
JEAN-PHILIPPE BLOUIN

PWGSC Architectural and Engineering Resources Manager/
Ressources Architecturales et de Directeur d'Ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

BASEMENT
DEMOLITION PLAN

Project No./No. du projet
R.060346

Sheet/Feuille
E1.1
OF 18

Revision no./
Lo Révision
no.

ASSOCIATION OF PROFESSIONAL ENGINEERS
OF SASKATCHEWAN

CERTIFICATE OF AUTHORIZATION

ALFA ENGINEERING LTD.

NUMBER 14

PERMISSION TO CONSULT HELD BY:

DISCIPLINE ELECTRICAL 6438

24 03 22

2022

Signature



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#	ISSUED FOR TENDER	2021/03/17
Revision/	Description/Description	Date/Date

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**PUBLIC WORKS AND
GOVERNMENT SERVICES
CANADA**

Project title/Titre du projet

**1783 HAMILTON STREET
REGINA, SASKATCHEWAN**

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PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

**MAIN FLOOR
LIGHTING DEMOLITION PLAN**

Project No./No. du projet	Sheet/Feuille	Revision no./ Loi Révision
R.060346	E1.2	OF 18

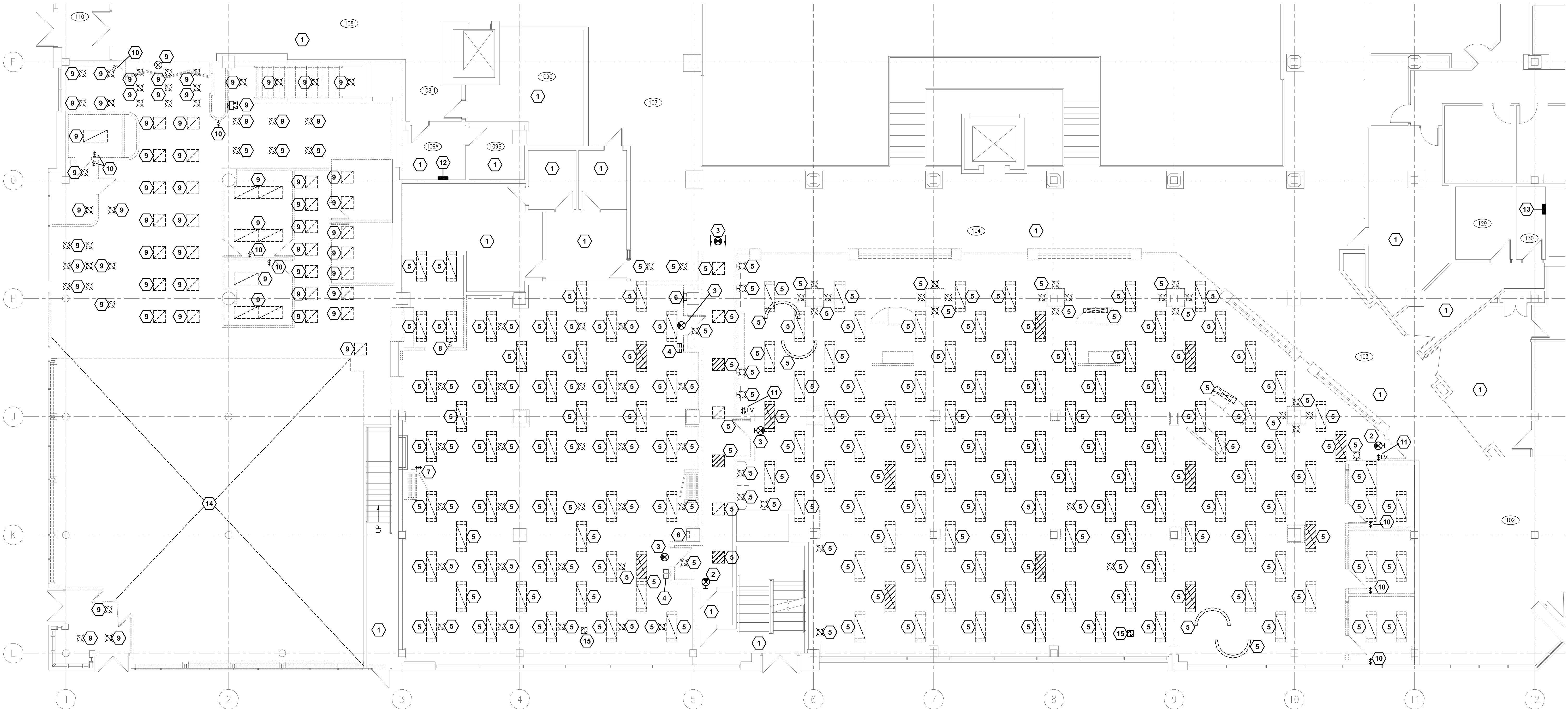
MAIN FLOOR LIGHTING DEMOLITION PLAN NOTE LEGEND:

- EXISTING LIGHTING AND SWITCHING IN THIS AREA SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING EXIT SIGN SHALL REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING EXIT SIGN SHALL BE SALVAGED AND RELOCATED.
- REMOVE EXISTING BATTERY PACK AND WIRING BACK TO SOURCE.
- EXISTING LIGHT FIXTURE SHALL BE DISCONNECTED AND REMOVED. EXISTING 347V CIRCUITRY SHALL REMAIN IN CEILING SPACE AND SHALL BE REUSED FOR NEW FIXTURES. EXISTING 120V CIRCUITRY SHALL BE REMOVED BACK TO BREAKER. REFER TO MAIN FLOOR LIGHTING PLAN, 1/E2.2.
- EXISTING ROOM LIGHTING CONTROL SYSTEM CONTROL PANEL SHALL BE REMOVED. REMOVE DEVICE BOX, DEVICE, CONDUIT AND WIRE BACK TO NEXT REQUIRED LIVE JUNCTION BOX OR BREAKER.
- EXISTING LIGHTING CONTROL ROOM WALL STATION SHALL BE REMOVED. REMOVE DEVICE BOX, DEVICE, CONDUIT AND WIRE BACK TO NEXT REQUIRED LIVE JUNCTION BOX.
- EXISTING LIGHTING OCCUPANCY SENSOR WALL SWITCH SHALL BE REMOVED. REMOVE DEVICE BOX, DEVICE, CONDUIT AND WIRE BACK TO NEXT REQUIRED LIVE JUNCTION BOX.
- EXISTING LIGHT FIXTURE SHALL BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO BREAKER.
- EXISTING LIGHT SWITCH SHALL BE REMOVED. REMOVE DEVICE, COVERPLATE, BACKBOX, CONDUIT AND WIRE BACK TO SOURCE.
- EXISTING LOW VOLTAGE LIGHT SWITCHES SHALL BE RELOCATED/MAINTAINED AS REQUIRED TO PROVIDE LIGHTING CONTROL TO EXISTING LIGHT FIXTURES DURING PHASED CONSTRUCTION. ONCE ALL NEW LIGHT FIXTURES AND LIGHTING CONTROL DEVICES ARE INSTALLED, LIGHT SWITCH, COVERPLATE, BACKBOX, CONDUIT AND WIRE SHALL BE REMOVED BACK TO SOURCE.
- EXISTING MAIN FLOOR WEST, 'GENTEC' BRAND, LIGHTING CONTROL PANEL SHALL REMAIN. EXISTING LIGHTING ZONES IN RENOVATION AREA SHALL BE DISCONNECTED FROM LIGHTING CONTROL PANEL, UNLESS NOTED OTHERWISE. EXISTING RELAYS IN CONTROL PANEL SHALL REMAIN AND BE MARKED AS 'SPARE'.
- EXISTING MAIN FLOOR EAST, 'GENTEC' BRAND, LIGHTING CONTROL PANEL SHALL REMAIN. EXISTING LIGHTING ZONES IN RENOVATION AREA SHALL BE DISCONNECTED FROM LIGHTING CONTROL PANEL, UNLESS NOTED OTHERWISE. EXISTING RELAYS IN CONTROL PANEL SHALL REMAIN AND BE MARKED AS 'SPARE'.
- EXISTING LIGHT FIXTURES IN THIS AREA HAS BEEN REMOVED UNDER A PREVIOUS CONTRACT. CONTRACTOR SHALL REMOVE ALL EXISTING CONDUIT, JUNCTION BOXES AND WIRE THAT REMAIN IN THIS AREA BACK TO SOURCE.
- REMOVE PHOTOCELL AND CONTROL WIRING BACK TO SOURCE.

MAIN FLOOR LIGHTING DEMOLITION PLAN GENERAL NOTES:

AREAS OF THE TENANT SPACE WILL BE OCCUPIED AT ALL TIMES DURING CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DEMOLITION AND CONSTRUCTION PHASING. DEMOLITION SHALL NOT OCCUR IN ANY AREA PRIOR TO THAT PHASE OF WORK BEGINNING. CONTRACTOR SHALL REMOVE AND REPLACE ANY CEILING TILES IN AREAS THAT ARE REQUIRED TO BE ACCESSED IN OCCUPIED AREAS DURING INITIAL PHASES OF DEMOLITION/CONSTRUCTION (I.E. SOUTHEAST CORNER OF RENOVATION AREA). WHERE ACCESS IS REQUIRED TO CEILING SPACES IN AREAS THAT ARE OCCUPIED, THOSE AREAS SHALL BE ACCESSED OUTSIDE OF NORMAL TENANT WORKING HOURS OR ON WEEKENDS.

REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK RESTRICTION REQUIREMENTS AFTER HOURS AND TENANT WORKING HOURS.



1 | MAIN FLOOR LIGHTING DEMOLITION PLAN

E1.2 1:100

- MAIN FLOOR BUILDING SYSTEMS DEMOLITION PLAN NOTE LEGEND:
- EXISTING ELECTRICAL EQUIPMENT IN THIS AREA SHALL REMAIN UNLESS NOTED OTHERWISE.
 - EXISTING RECEPTACLE SHALL BE REMOVED. REMOVE DEVICE, COVERPLATE, DEVICE BOX, CONDUIT AND WIRE BACK TO NEXT REQUIRED LIVE JUNCTION BOX OR BREAKER.
 - EXISTING RECEPTACLE SHALL BE REMOVED. REMOVE DEVICE, COVERPLATE AND WIRE BACK TO NEXT REQUIRED LIVE JUNCTION BOX OR BREAKER. PROVIDE BLANK STAINLESS STEEL COVERPLATE OVER ABANDONED DEVICE LOCATION.
 - EXISTING SYSTEMS FURNITURE BASE FEED CONNECTION SHALL BE REMOVED. REMOVE BACK BOX, POWER FEED BACK TO NEXT REQUIRED LIVE JUNCTION BOX OR BREAKER AND COMMUNICATIONS CABLING BACK TO SOURCE (EITHER ROOM 129 OR 109C). EAST/WEST SPLIT OCCURS AT EXIT CORRIDOR. ELECTRICAL CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AS REQUIRED TO REMOVE COMMUNICATIONS CABLING. REMOVAL OF COMMUNICATIONS CABLING THROUGH EXISTING SERVICE CANADA SPACE AND PUBLIC CORRIDORS SHALL BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKEND. COORDINATE ACCESS TO ROOMS 129 AND 109C WITH SHARED SERVICES REPRESENTATIVE.
 - EXISTING COMMUNICATIONS OUTLET SHALL BE REMOVED. REMOVE DEVICE, COVERPLATE, CONDUIT AND CABLING BACK TO SOURCE (EITHER ROOM 129 OR 109C). EAST/WEST SPLIT OCCURS AT EXIT CORRIDOR. ELECTRICAL CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AS REQUIRED TO REMOVE COMMUNICATIONS CABLING. REMOVAL OF COMMUNICATIONS CABLING THROUGH EXISTING SERVICE CANADA SPACE AND PUBLIC CORRIDORS SHALL BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKENDS. COORDINATE ACCESS TO ROOMS 129 AND 109C WITH SHARED SERVICES REPRESENTATIVE.
 - EXISTING COMMUNICATIONS OUTLET SHALL BE REMOVED. REMOVE DEVICE, COVERPLATE AND CABLING BACK TO SOURCE (EITHER ROOM 129 OR 109C). EAST/WEST SPLIT OCCURS AT EXIT CORRIDOR. ELECTRICAL CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AS REQUIRED TO REMOVE COMMUNICATIONS CABLING. REMOVAL OF COMMUNICATIONS CABLING THROUGH EXISTING SERVICE CANADA SPACE AND PUBLIC CORRIDORS SHALL BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKENDS. PROVIDE BLANK STAINLESS STEEL COVERPLATE OVER ABANDONED DEVICE LOCATION. COORDINATE ACCESS TO ROOMS 129 AND 109C WITH SHARED SERVICES REPRESENTATIVE.
 - EXISTING ACCESS CONTROL EQUIPMENT AND CABLING SHALL BE REMOVED BACK TO SOURCE.
 - REMOVE EXISTING POWER CONNECTION AND FIRE ALARM SYSTEM CONNECTIONS TO FIRE SHUTTER. MODIFY FIRE ALARM SYSTEM WIRING AS REQUIRED TO REMOVE DEVICES AND RECONNECT CLASS A LOOP. MODIFICATIONS SHALL BE COMPLETED TO BUILDING FIRE ALARM SYSTEM AFTER NORMAL WORKING HOURS. ENSURE FIRE WATCH IS IN PLACE WHILE MODIFYING THE SYSTEM.
 - REMOVE EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR. MODIFY FIRE ALARM SYSTEM WIRING AS REQUIRED TO REMOVE DEVICES AND RECONNECT CLASS A LOOP. MODIFICATIONS SHALL BE COMPLETED TO BUILDING FIRE ALARM SYSTEM AFTER NORMAL WORKING HOURS. ENSURE FIRE WATCH IS IN PLACE WHILE MODIFYING THE SYSTEM.
 - REMOVE POWER, COMMUNICATIONS CABLING AND DURESS ALARM CONNECTION TO TENANT SUPPLIED SYSTEMS FURNITURE. REMOVE POWER CONNECTION BACK TO NEXT REQUIRED LIVE JUNCTION BOX OR BREAKER. REMOVE COMMUNICATIONS CABLING BACK TO SOURCE (EITHER ROOM 129 OR 109C). EAST/WEST SPLIT OCCURS AT EXIT CORRIDOR. REMOVE DURESS ALARM CABLING BACK TO SOURCE. ELECTRICAL CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AS REQUIRED TO REMOVE COMMUNICATIONS CABLING. REMOVAL OF COMMUNICATIONS CABLING THROUGH EXISTING SERVICE CANADA SPACE AND PUBLIC CORRIDORS SHALL BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKEND. COORDINATE ACCESS TO ROOMS 129 AND 109C WITH SHARED SERVICES REPRESENTATIVE.

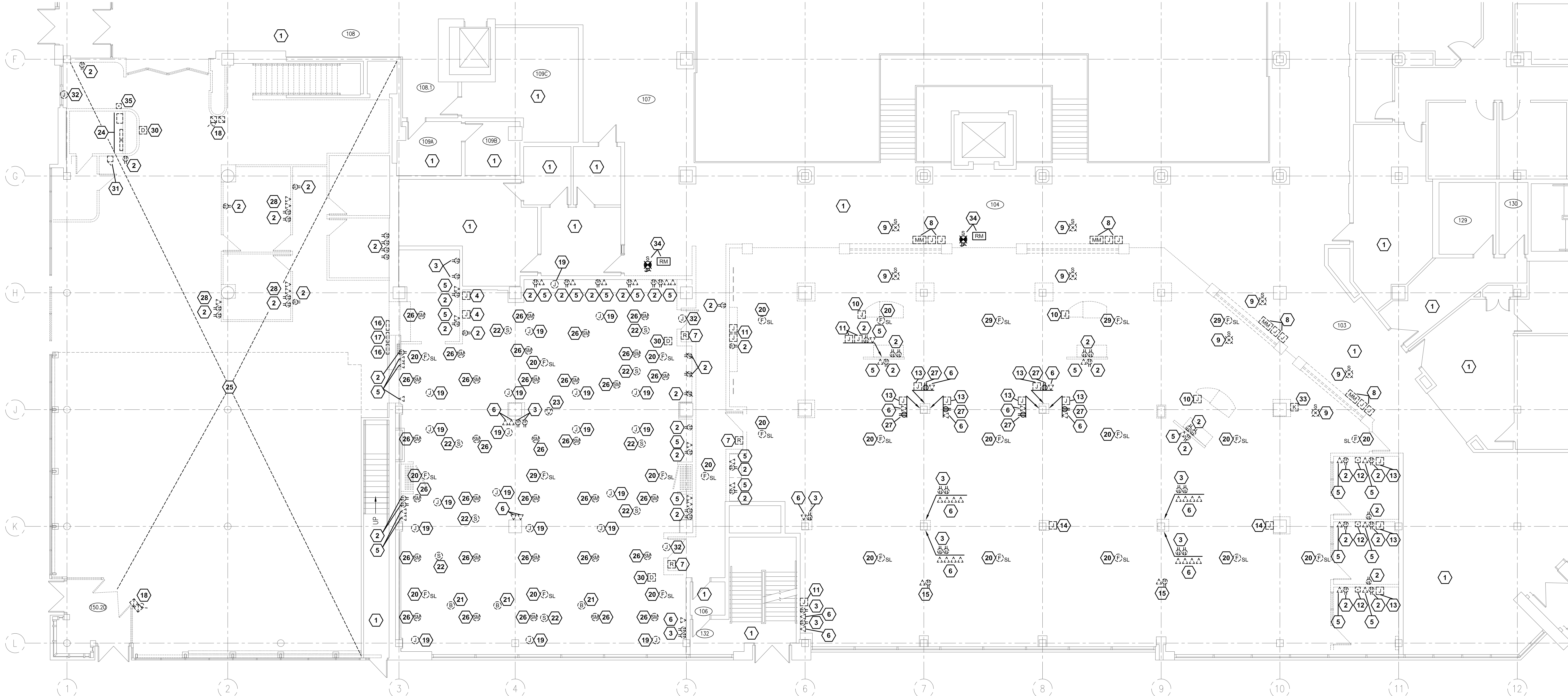
- MAIN FLOOR BUILDING SYSTEMS DEMOLITION PLAN NOTE LEGEND:
- REMOVE EMPTY COMMUNICATIONS OUTLET. REMOVE DEVICE BOX, CONDUIT AND BLANK COVERPLATE.
 - REMOVE DURESS ALARM EQUIPMENT, CONDUIT AND CABLING FROM UNDERSIDE OF TENANT DESK, THROUGH WALL BACK TO SOURCE.
 - EMPTY COMMUNICATIONS OUTLET AND CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE SHALL REMAIN.
 - REMOVE POWER AND COMMUNICATIONS CABLING TO TENANT SUPPLIED SYSTEMS FURNITURE. REMOVE POWER CONNECTION BACK TO NEXT REQUIRED LIVE JUNCTION BOX OR BREAKER. REMOVE COMMUNICATIONS CABLING BACK TO SOURCE (EITHER ROOM 129 OR 109C). EAST/WEST SPLIT OCCURS AT EXIT CORRIDOR. ELECTRICAL CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AS REQUIRED TO REMOVE COMMUNICATIONS CABLING. REMOVAL OF COMMUNICATIONS CABLING THROUGH EXISTING SERVICE CANADA SPACE AND PUBLIC CORRIDORS SHALL BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKEND. COORDINATE ACCESS TO ROOMS 129 AND 109C WITH SHARED SERVICES REPRESENTATIVE.
 - REMOVE RECEPTACLE AND COMMUNICATIONS OUTLET MOUNTED AT END OF TENANT'S FURNITURE. REMOVE POWER CONNECTION BACK TO NEXT REQUIRED LIVE JUNCTION BOX. REMOVE COMMUNICATIONS CABLING BACK TO SOURCE (EITHER ROOM 129 OR 109C). EAST/WEST SPLIT OCCURS AT EXIT CORRIDOR. ELECTRICAL CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AS REQUIRED TO REMOVE COMMUNICATIONS CABLING. REMOVAL OF COMMUNICATIONS CABLING THROUGH EXISTING SERVICE CANADA SPACE AND PUBLIC CORRIDORS SHALL BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKEND. COORDINATE ACCESS TO ROOMS 129 AND 109C WITH SHARED SERVICES REPRESENTATIVE.
 - EXISTING 120/208V PANEL SHALL BE REMOVED. REMOVE ALL WIRING TO DEVICES AND POWER FEED BACK TO SPLITTER IN FORMER BANK BASEMENT ELECTRICAL ROOM.
 - EXISTING 347/600V PANEL SHALL BE REMOVED. REMOVE ALL WIRING TO LIGHT FIXTURES, POWER FEED BACK TO SWITCH, SWITCH, CONDUIT AND WIRE BACK TO SPLITTER LOCATED IN FORMER BANK BASEMENT ELECTRICAL ROOM.
 - EXISTING FIRE ALARM EQUIPMENT SHALL BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO FORMER BANK FIRE ALARM CONTROL PANEL LOCATED IN BASEMENT ELECTRICAL ROOM. PROVIDE FIRE WATCH UNTIL NEW FIRE ALARM SYSTEM EQUIPMENT IS INSTALLED IN THE SPACE.
 - EXISTING PAC BOX AND DEVICES SHALL BE REMOVED. DISCONNECT POWER SOURCE BACK TO DISTRIBUTION BOX IN CEILING SPACE. REMOVE COMMUNICATIONS CABLING BACK TO SOURCE (EITHER ROOM 129 OR 109C). EAST/WEST SPLIT OCCURS AT EXIT CORRIDOR. ELECTRICAL CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AS REQUIRED TO REMOVE COMMUNICATIONS CABLING. REMOVAL OF COMMUNICATIONS CABLING THROUGH EXISTING SERVICE CANADA SPACE AND PUBLIC CORRIDORS SHALL BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKEND. COORDINATE ACCESS TO ROOMS 129 AND 109C WITH SHARED SERVICES REPRESENTATIVE.
 - EXISTING FIRE ALARM SYSTEM SPEAKER STROBE SHALL BE DISCONNECTED AND REINSTALLED ON UNDERSIDE OF NEW CEILING. REFER TO SECURITY AND FIRE ALARM PLAN, 5/E2.5. MODIFICATIONS SHALL BE COMPLETED TO BUILDING FIRE ALARM SYSTEM AFTER NORMAL WORKING HOURS. ENSURE FIRE WATCH IS IN PLACE WHILE MODIFYING THE SYSTEM AND UNTIL RELOCATED DEVICE OPERATION IS VERIFIED.
 - EXISTING INTRUSION ALARM GLASS BREAK DETECTOR SHALL BE DISCONNECTED AND RELOCATED TO NEW ROOM 170. CABLING REMOVED BACK TO SOURCE AT COMMISSIONAIRE'S DESK. REMOVAL OF CABLING THROUGH PUBLIC CORRIDORS SHALL BE COMPLETED AFTER NORMAL WORKING HOURS OR ON WEEKEND.
 - EXISTING ROOM PUBLIC ADDRESS SPEAKER SHALL BE REMOVED. REMOVE DEVICE, BACK BOX AND CABLING BACK TO SOURCE. REMOVE HEAD END CONNECTIONS.

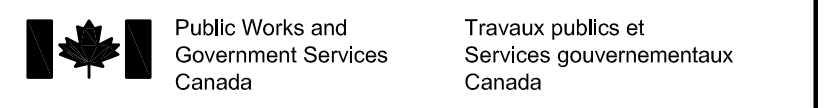
- MAIN FLOOR BUILDING SYSTEMS DEMOLITION PLAN NOTE LEGEND:
- EXISTING COMMUNICATIONS CABLE TO WIRELESS ACCESS POINT SHALL BE REMOVED BACK TO TELECOM ROOM 109C. COORDINATE ACCESS TO ROOMS 129 AND 109C WITH SHARED SERVICES REPRESENTATIVE.
 - EXISTING BRANCH CIRCUIT PANEL, SECURITY HEAD END EQUIPMENT, COMMUNICATIONS EQUIPMENT, ELECTRICAL DEVICES, CONDUIT, WIRE AND CABLING SHALL BE REMOVED BACK TO SOURCE.
 - PARTIAL DEMOLITION HAS OCCURRED IN THIS AREA HAS BEEN REMOVED UNDER A PREVIOUS CONTRACT. CONTRACTOR SHALL REMOVE ALL EXISTING PANELS, DEVICES, COMMUNICATIONS EQUIPMENT, SECURITY EQUIPMENT, CONDUIT, CABLING, JUNCTION BOXES AND WIRE THAT REMAIN IN THIS AREA BACK TO SOURCE. SEAL AND FIRE CAULK OPENINGS BETWEEN FIRE SEPARATIONS FROM WHERE CONDUITS ARE REMOVED.
 - REMOVE ALL SOUND MASKING SPEAKERS LOCATED ABOVE CEILING SPACE. REMOVE SPEAKERS, HANGERS, CONDUIT AND CABLING BACK TO SOURCE.
 - REMOVE EXISTING RECEPTACLE AND COVERPLATE. EXISTING CIRCUITRY SHALL REMAIN. EXISTING LOCATION SHALL BE REUSED FOR NEW DEVICE. REFER TO MAIN FLOOR BUILDING SYSTEMS PLAN, 1/E2.4.
 - EXISTING COMMUNICATIONS OUTLET SHALL BE REMOVED. REMOVE DEVICE, COVERPLATE, CONDUIT AND CABLING BACK TO SOURCE IN VACANT TENANT SPACE.
 - EXISTING FIRE ALARM SYSTEM SPEAKER STROBE SHALL BE DISCONNECTED AND REMOVED. REFER TO SECURITY AND FIRE ALARM PLAN, 5/E2.5. MODIFICATIONS SHALL BE COMPLETED TO BUILDING FIRE ALARM SYSTEM AFTER NORMAL WORKING HOURS. ENSURE FIRE WATCH IS IN PLACE WHILE MODIFYING THE SYSTEM AND UNTIL RELOCATED DEVICE OPERATION IS VERIFIED.
 - EXISTING INTRUSION ALARM DEVICE SHALL BE REMOVED. REMOVE CABLING BACK TO SOURCE.
 - REMOVE DOOR BELL CHIME AND ASSOCIATED WIRING IN ITS ENTIRETY.
 - REMOVE POWER CONNECTION TO DOOR OPERATOR BACK TO SOURCE. REMOVE ALL ASSOCIATED PUSH BUTTONS, CONDUIT AND WIRE.
 - EXISTING INTRUSION ALARM KEYPAD AND ASSOCIATED CABLING TO REMOVED EQUIPMENT SHALL BE REMOVED IN LAST PHASE OF CONSTRUCTION. ENSURE ALL SYSTEM DEVICES CONTINUE TO OPERATE THROUGHOUT THE RENOVATION. PROVIDE BLANK STAINLESS STEEL COVERPLATE ONCE KEYPAD IS REMOVED.
 - EXISTING DUCT SMOKE DETECTOR AND RELAY CONNECTIONS TO SMOKE DAMPER SHALL BE RELOCATED TO NEW TRANSFER GRILL AND SMOKE DAMPER LOCATION. REFER TO SECURITY AND FIRE ALARM PLAN, 5/E2.5.
 - REMOVE DOOR BELL PUSHBUTTON AND ASSOCIATED WIRING IN ITS ENTIRETY.

MAIN FLOOR BUILDING SYSTEMS DEMOLITION PLAN GENERAL NOTES:

AREAS OF THE TENANT SPACE WILL BE OCCUPIED AT ALL TIMES DURING CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DEMOLITION AND CONSTRUCTION PHASING. DEMOLITION SHALL NOT OCCUR IN ANY AREA PRIOR TO THAT PHASE OF WORK BEGINNING. CONTRACTOR SHALL REMOVE AND REPLACE ANY CEILING TILES IN AREAS THAT ARE REQUIRED TO BE ACCESSED IN OCCUPIED AREAS DURING INITIAL PHASES OF DEMOLITION/CONSTRUCTION (I.E. SOUTHEAST CORNER OF RENOVATION AREA). WHERE ACCESS IS REQUIRED TO CEILING SPACES IN AREAS THAT ARE OCCUPIED, THOSE AREAS SHALL BE ACCESSED OUTSIDE OF NORMAL TENANT WORKING HOURS OR ON WEEKENDS.

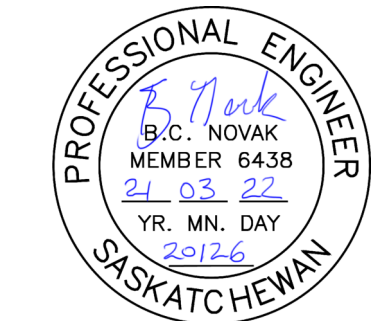
REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK RESTRICTION REQUIREMENTS AFTER HOURS AND TENANT WORKING HOURS.





REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

ASSOCIATION OF PROFESSIONAL ENGINEERS
OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
ALFA ENGINEERING LTD.
NUMBER 14
PERMISSION TO CONSULT HELD BY:
DISCIPLINE ELECTRICAL 6938 B/H



PROFESSIONAL ENGINEER
B. N. N. N.
MEMBER 6438
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YR. MN. DAY
SASKATCHEWAN

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Revision/ Révision	Description/Description	Date/Date

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GOVERNMENT SERVICES
CANADA

Project title/Titre du projet
1783 HAMILTON STREET
REGINA, SASKATCHEWAN
ESDC - PPT REGINA
AMALGAMATION


Approved by/Approuvé par
BCN
Designed by/Concept par
PLJ
Drawn by/Dessiné par
PLJ
PWGSC Project Manager/Administrateur de Projets TPSGC
JEAN-PHILIPPE BLOUIN
PWGSC Architectural and Engineering Resources Manager/
Ressources Architecturales et de Directeur d'Ingénierie, TPSGC
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA
Drawing title/Titre du dessin
MAIN FLOOR
BUILDING SYSTEMS DEMOLITION
PLAN

Project No./No. du projet
R.060346

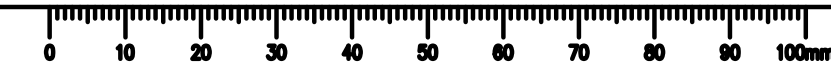
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E1.3
OF 18


Revision no./
No. de révision

PWGSC - B1 - 1000X707



1 | MAIN FLOOR BUILDING SYSTEMS DEMOLITION PLAN
E1.3 | 1:100



20126 E1.3 main floor power demo 

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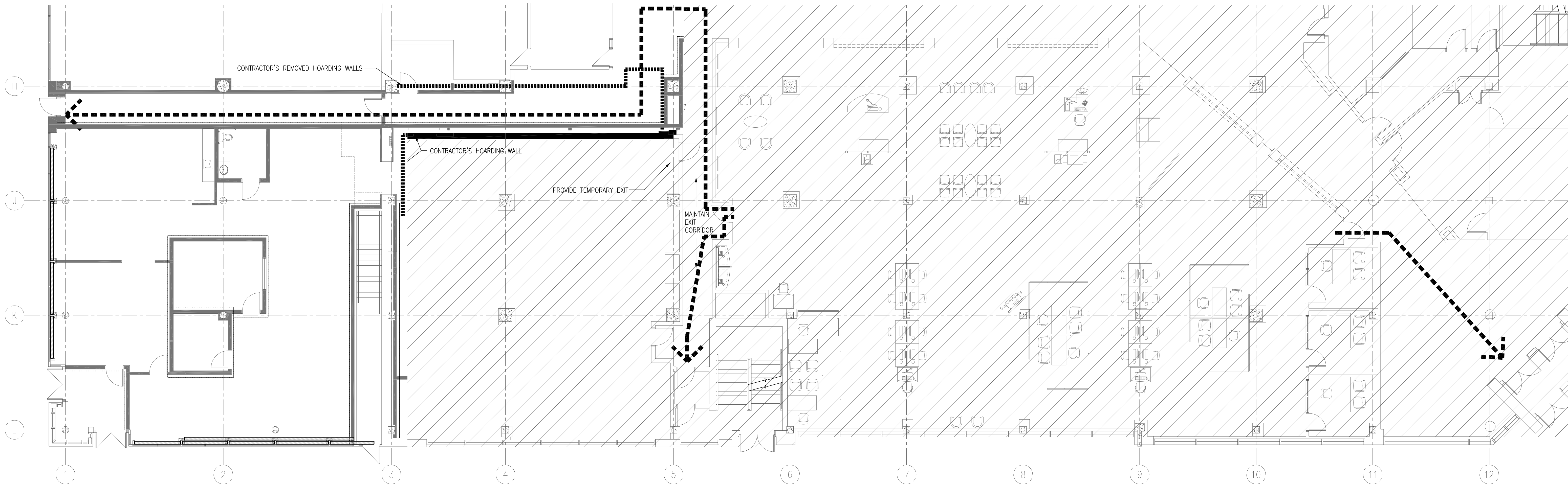
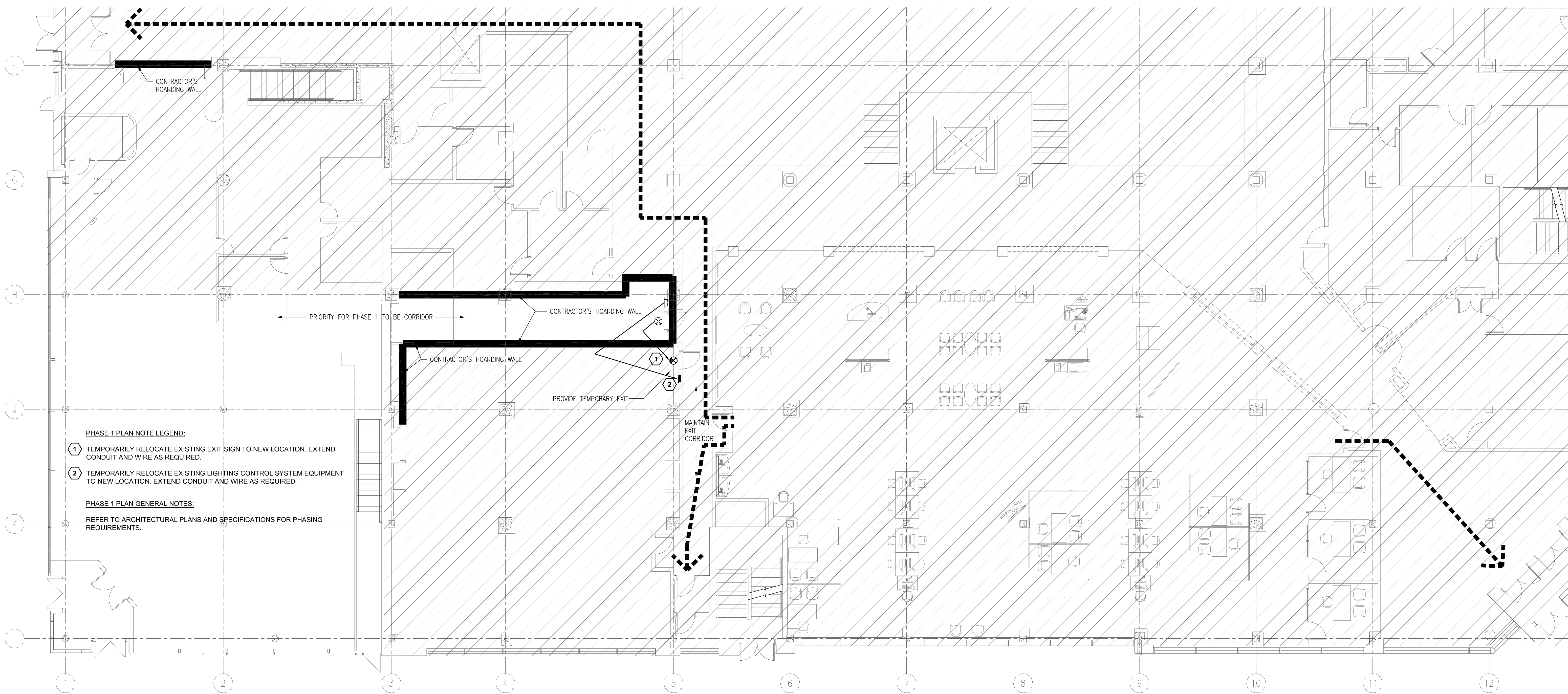
Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PHASING PLAN - PHASE 1

Project No./No. du projet
R.060346

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Drawing title/Titre du dessin

PHASING PLAN - PHASE 2

Project No./No. du projet

R.060346

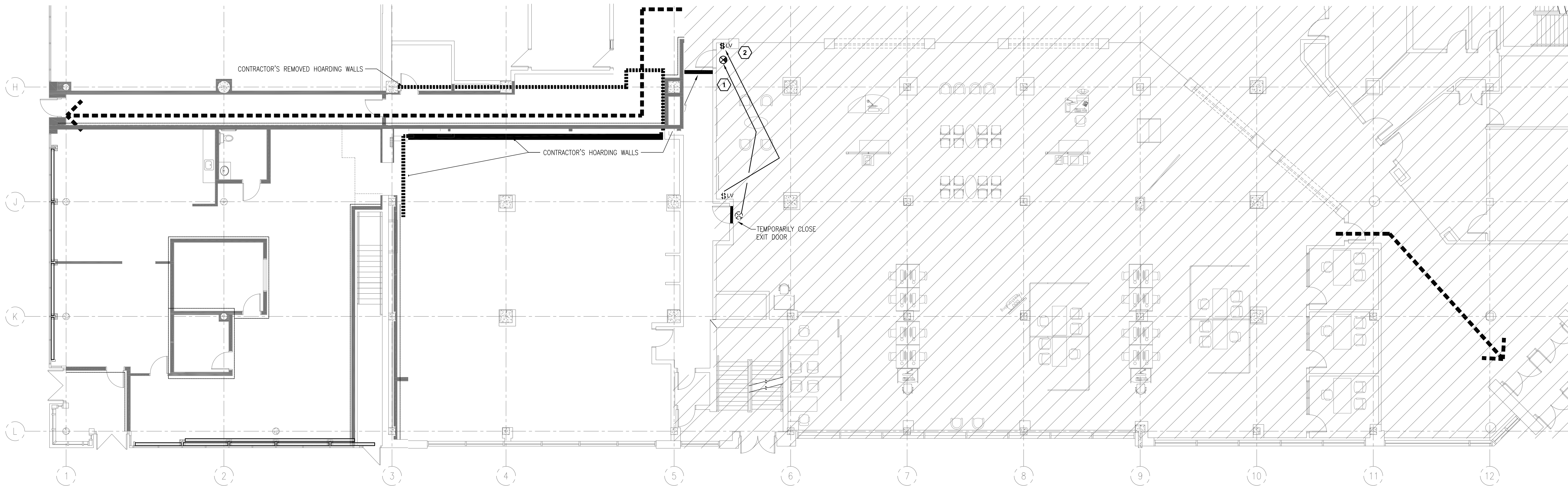
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OF 18

Revision no./
No. de révision

no.



1 | PHASING PLAN - PHASE 2 EXISTING

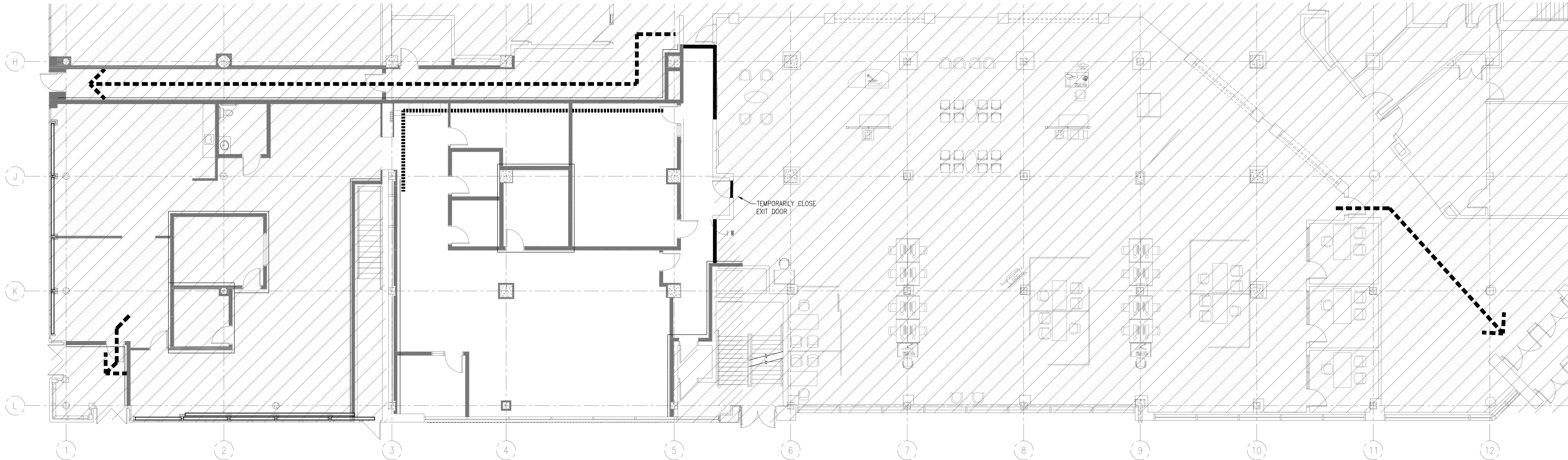
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PHASE 2 PLAN NOTE LEGEND:

- 1 TEMPORARILY RELOCATE EXISTING EXIT SIGN TO NEW LOCATION. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 2 TEMPORARILY RELOCATE EXISTING LOW VOLTAGE LIGHTING CONTROLS TO NEW LOCATION. EXTEND CONDUIT AND WIRE AS REQUIRED.

PHASE 2 PLAN GENERAL NOTES:

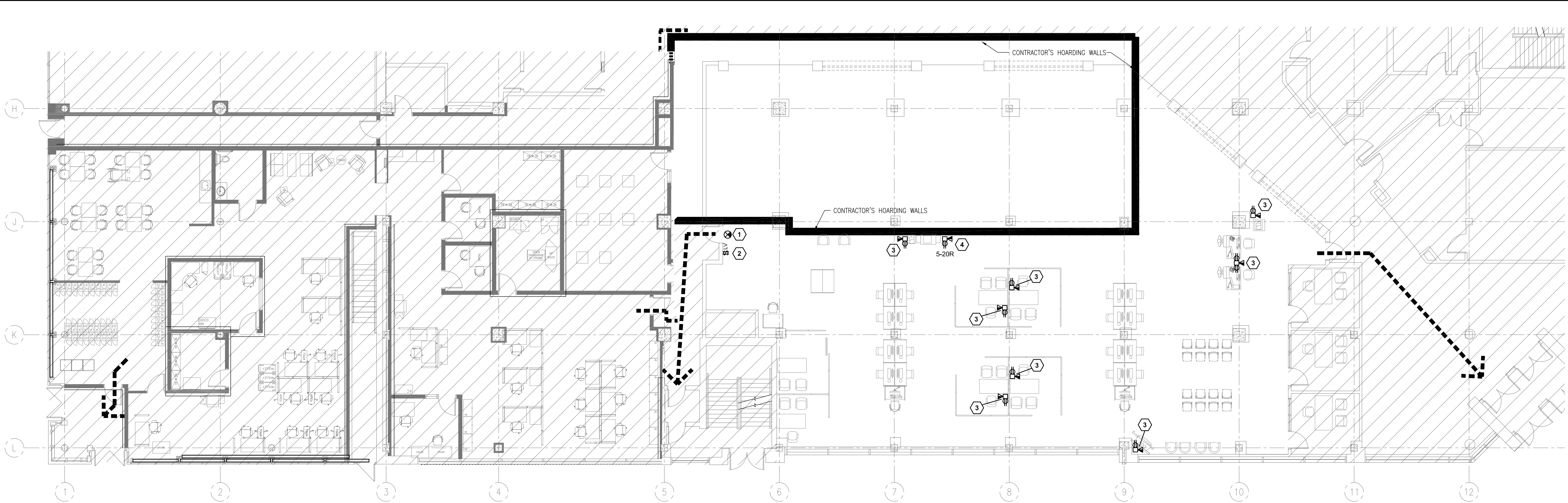
REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR PHASING REQUIREMENTS.



2 | PHASING PLAN - PHASE 2 NEW

E1.5 | 1:100





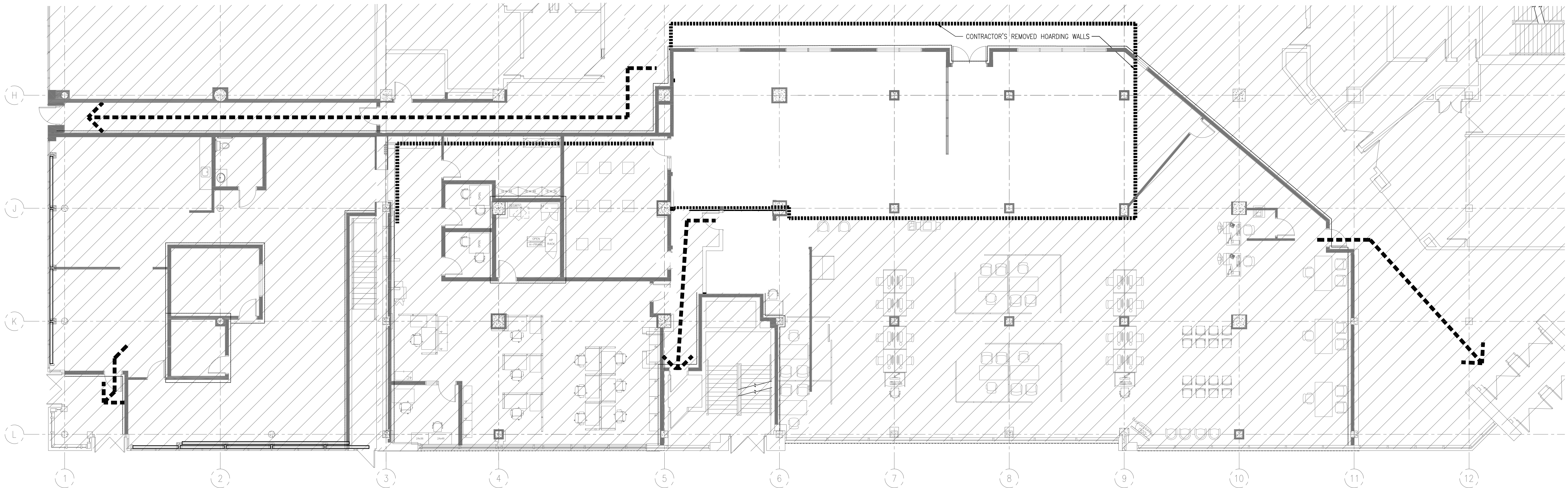
1 | PHASING PLAN - PHASE 3 EXISTING
E1.6 | 1:100

PHASE 3 PLAN NOTE LEGEND:

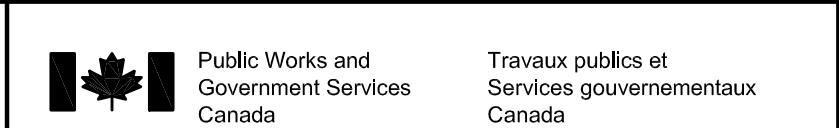
- 1 RELOCATE EXISTING EXIT SIGN BACK TO ORIGINAL LOCATION. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 2 RELOCATE EXISTING LOW VOLTAGE LIGHTING CONTROLS MOVED IN PHASE 2 TO NEW LOCATION. EXTEND CONDUIT AND WIRE AS REQUIRED.
- 3 PROVIDE TEMPORARY PAC POLE WITH DEVICES INDICATED. CIRCUIT TO A SEPARATE 15A-1P BREAKER IN PANEL '1E2'.
- 4 PROVIDE TEMPORARY PAC POLE WITH DEVICES INDICATED. CIRCUIT TO A SEPARATE 20A-1P BREAKER IN PANEL '1E2'.

PHASE 3 PLAN GENERAL NOTES:

REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR PHASING REQUIREMENTS.



2 | PHASING PLAN - PHASE 3 NEW
E1.6 | 1:100



REAL PROPERTY SERVICES

Western Region

SERVICES IMMOBILIERS

Région de l'ouest

ASSOCIATION OF PROFESSIONAL ENGINEERS OF SASKATCHEWAN

CERTIFICATE OF AUTHORIZATION

ALFA ENGINEERING LTD.

NUMBER 14

PERMISSION TO CONSULT HELD BY:

DISCIPLINE ELECTRICAL 6438 8/17

PROFESSIONAL ENGINEER

6. Novak

MEMBER 6438

21.03.22

YR. MN. DAY

2018

SASKATCHEWAN

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REGINA, SASKATCHEWAN

ESDC - PPT REGINA AMALGAMATION

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PWOSC Architectural and Engineering Resources Manager/

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PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

PHASING PLAN - PHASE 3

Project No./No. du projet

R.060346

Sheet/Feuille

E1.6

Revision no./

18

no.

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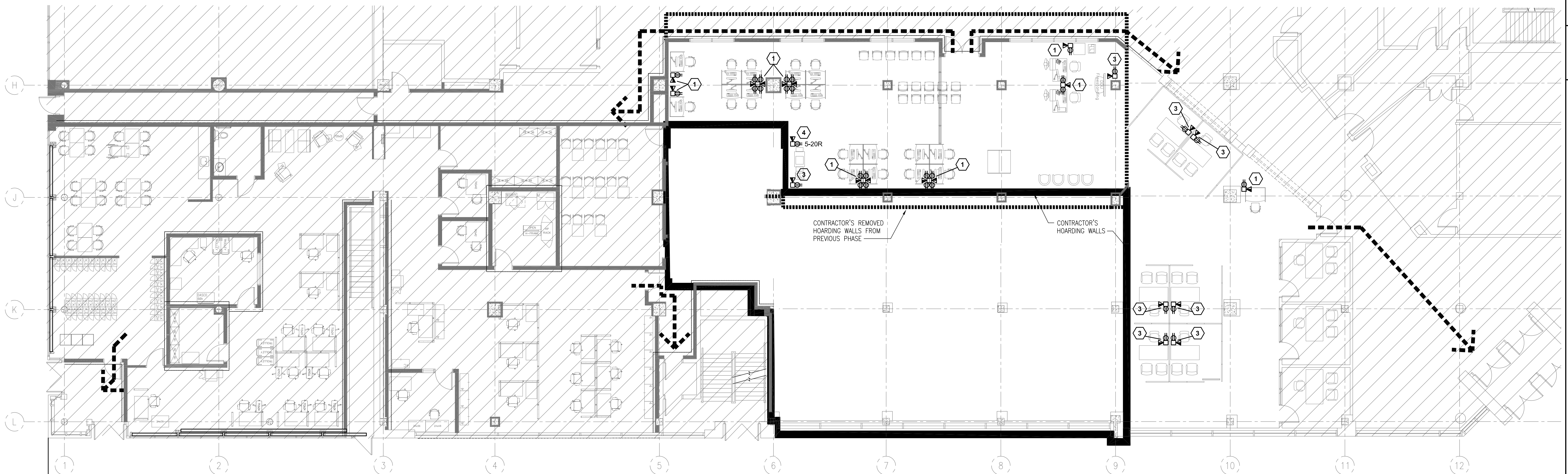
Drawing title/Titre du dessin
PHASING PLAN - PHASE 4

Project No./No. du projet
R.060346

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E1.7

Revision no./
No. de Révision
no.

OF 18



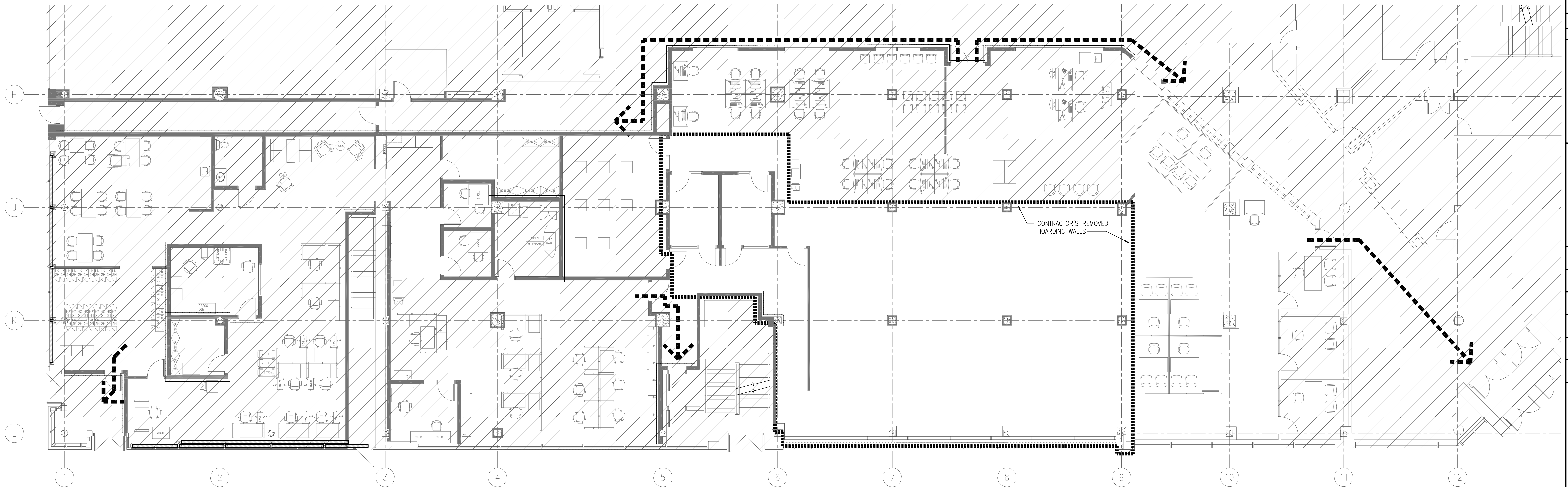
1 | PHASING PLAN - PHASE 4 EXISTING
E1.7 | 1:100

PHASE 4 PLAN NOTE LEGEND:

- 1 PROVIDE TEMPORARY PAC POLE WITH DEVICES INDICATED. CIRCUIT TO A SEPARATE 15A-1P BREAKER IN PANEL '1E2'.
- 2 PROVIDE TEMPORARY PAC POLE WITH DEVICES INDICATED. CIRCUIT TO A SEPARATE 20A-1P BREAKER IN PANEL '1E2'.
- 3 RELOCATE TEMPORARY PAC POLE INSTALLED IN PHASE 3. CIRCUIT TO A SEPARATE 15A-1P BREAKER IN PANEL '1E2'.
- 4 RELOCATE TEMPORARY PAC POLE INSTALLED IN PHASE 3. CIRCUIT TO A SEPARATE 20A-1P BREAKER IN PANEL '1E2'.

PHASE 4 PLAN GENERAL NOTES:

REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR PHASING REQUIREMENTS.



2 | PHASING PLAN - PHASE 4 NEW
E1.7 | 1:100

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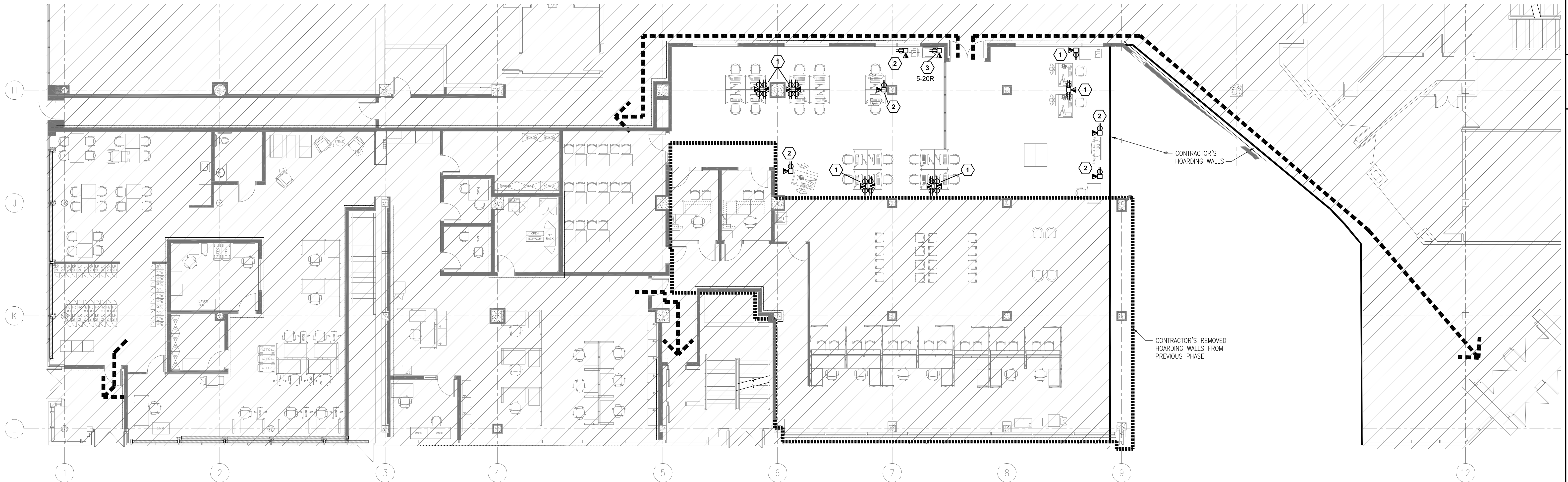
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PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
PHASING PLAN - PHASE 5

Project No./No. du projet
R.060346

Sheet/Feuille
E1.8

Revision no./
Lo Révision
no.



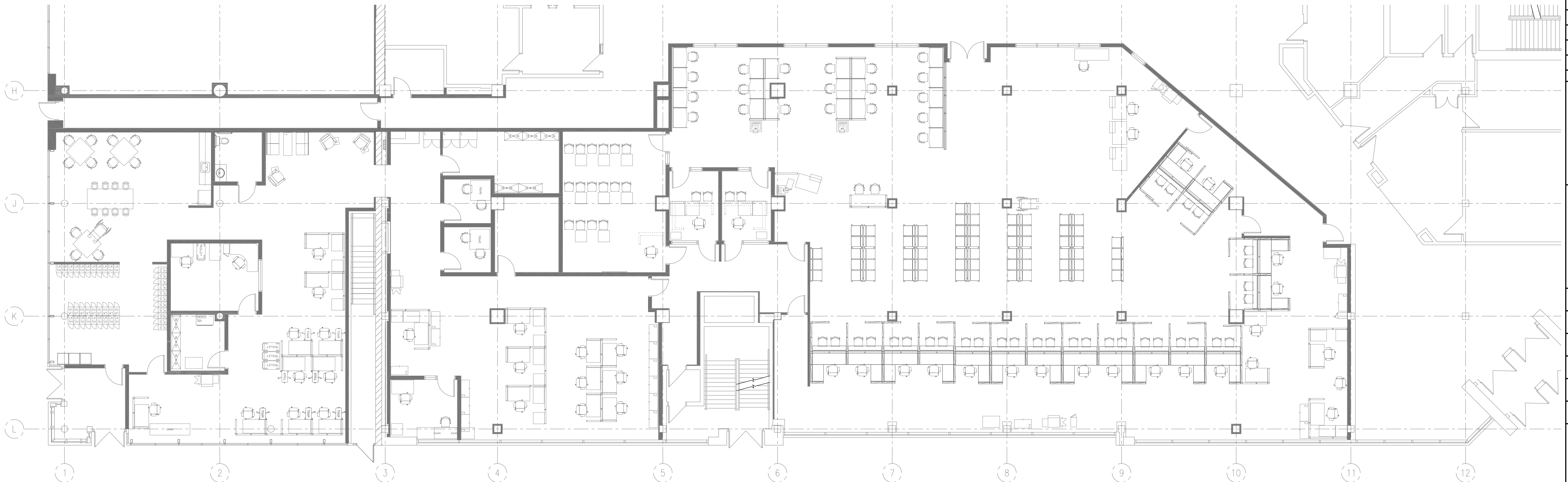
1 | PHASING PLAN - PHASE 5 EXISTING
E1.8 | 1:100

PHASE 5 PLAN NOTE LEGEND:

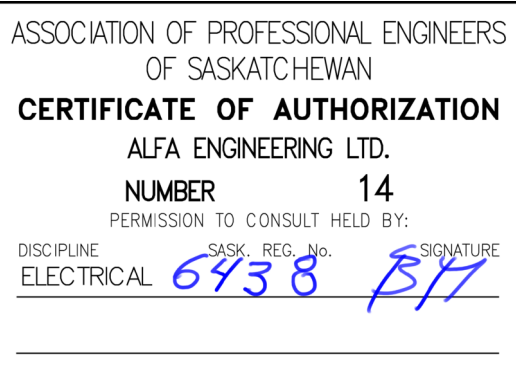
- TEMPORARY PAC POLE INSTALLED IN PHASE 4 SHALL REMAIN.
- RELOCATE TEMPORARY PAC POLE INSTALLED IN PHASE 4. CIRCUIT TO A SEPARATE 15A-1P BREAKER IN PANEL '1E2'.
- RELOCATE TEMPORARY PAC POLE INSTALLED IN PHASE 4. CIRCUIT TO A SEPARATE 20A-1P BREAKER IN PANEL '1E2'.
- PROVIDE TEMPORARY PAC POLE WITH DEVICES INDICATED. CIRCUIT EACH TO A SEPARATE 15A-1P BREAKER IN PANEL '1E2'.

PHASE 5 PLAN GENERAL NOTES:

REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR PHASING REQUIREMENTS.



2 | PHASING PLAN - PHASE 5 NEW
E1.8 | 1:100



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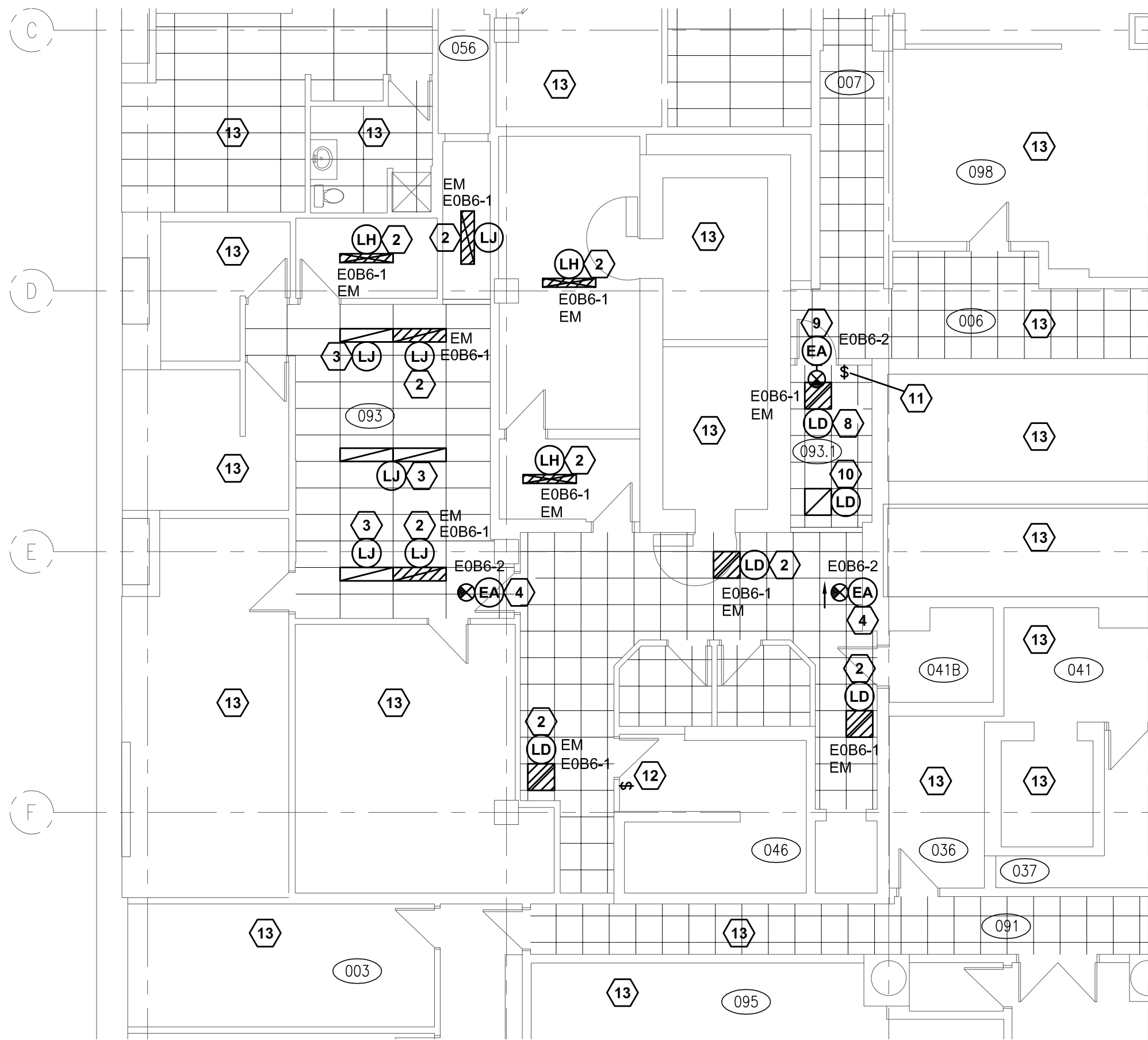
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Drawing title/Titre du dessin
**BASEMENT LIGHTING PLAN
SECOND FLOOR LIGHTING PLAN**

Project No./No. du projet R.060346	Sheet/Feuille E2.1 OF 18	Revision no./ La révision no.
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BASEMENT LIGHTING PLAN AND SECOND FLOOR PLAN NOTE LEGEND:

- EXISTING BUILDING NETWORK LIGHTING CONTROL SYSTEM SUPPORT UNIT, POE SWITCHES AND WALL MOUNT RACK. INSTALL NEW WALL MOUNT RACK, POE SWITCH AND RACK MOUNT POWER STRIP BELOW EXISTING EQUIPMENT. CONNECT NEW HEAD END LIGHTING CONTROLLERS INSTALLED AS PART OF THIS RENOVATION TO NEW POE SWITCH AND EXISTING SYSTEM SUPPORT UNIT. REFER TO WIRELESS LIGHTING CONTROL SYSTEM SCHEMATIC, 1/E3.1.
- INSTALL NEW LIGHT FIXTURE. LIGHT FIXTURE TO BE FED FROM EXISTING BASEMENT EMERGENCY LIGHTING CIRCUIT IN PANEL 'EOB6'. EXTEND EXISTING WIRE FROM ADJACENT CORRIDOR CEILING SPACE TO FEED LIGHT FIXTURE.
- INSTALL NEW LIGHT FIXTURE. LIGHT FIXTURE TO BE FED FROM EXISTING AREA NORMAL POWER LIGHTING CIRCUIT.
- INSTALL NEW EXIT SIGN. EXTEND EXISTING WIRE FROM ADJACENT CORRIDOR CEILING SPACE TO FEED LIGHT FIXTURE. CUT MINIMAL OPENINGS IN DRYWALL CEILING AS REQUIRED TO INSTALL POWER FEEDS.
- EXISTING 225A, 347/600V, 30/4W NORMAL POWER PANEL '2A6' SHALL REMAIN. PANEL IS CUTLER-HAMMER BRAND, 42 CIRCUIT. REUSE EXISTING BREAKERS AND PROVIDE NEW BREAKERS AS REQUIRED TO COMPLETE CIRCUITRY AS INDICATED.
- INSTALL LIGHT FIXTURES SURFACE MOUNTED TO UNDERSIDE OF SUPPORT AT TOP OF SHAFT. INSTALL LIGHT FIXTURES THROUGH OPENINGS CREATED IN EXISTING DRYWALL IN AREA 220 ABOVE ACT CEILING. REFER TO ARCHITECTURAL DETAILS ON DRAWING A4.1 FOR MOUNTING LOCATION. CIRCUIT LIGHT FIXTURES TO A NEW 15A-1P BREAKER IN PANEL '2A6'.
- CONNECT LIGHT FIXTURES TO FLOOR LIGHTING CONTROL SYSTEM. PROVIDE RELAY TO AUTOMATICALLY TURN LIGHTS ON AT 7:00AM M-F AND AUTOMATICALLY TURN OFF AT 6:00PM, M-F.
- CHAIN SUSPEND FIXTURE TO 2440 A.F.F. LIGHT FIXTURE CIRCUIT TO BE FED FROM EXISTING BASEMENT EMERGENCY LIGHTING CIRCUIT IN PANEL 'EOB6'. EXTEND EXISTING WIRE FROM ADJACENT CORRIDOR CEILING SPACE TO FEED LIGHT FIXTURE. CUT MINIMAL OPENINGS IN DRYWALL CEILING AS REQUIRED TO INSTALL POWER FEEDS.
- EXIT LIGHT TO BE FED FROM EXISTING BASEMENT EXIT LIGHT CIRCUIT, 2, IN PANEL 'EOB6'. EXTEND EXISTING WIRE FROM ADJACENT CORRIDOR CEILING SPACE TO FEED LIGHT FIXTURE. CUT MINIMAL OPENINGS IN DRYWALL CEILING AS REQUIRED TO INSTALL POWER FEEDS.
- CONNECT NEW LIGHT FIXTURE TO EXISTING GENERAL AREA LIGHT FIXTURE CIRCUIT.
- NEW LIGHT SWITCH SHALL CONTROL ALL NORMAL POWER OPEN AREA LIGHT FIXTURES IN FORMER BANK SPACE. REVISE CONDUIT AND WIRE AS REQUIRED.
- NEW LIGHT SWITCH SHALL CONTROL LIGHT FIXTURES IN FORMER STAIRWELL. REVISE WIRING TO EXISTING LIGHT FIXTURES AS REQUIRED.
- EXISTING LIGHTING AND SWITCHING IN THIS AREA SHALL REMAIN UNLESS NOTED OTHERWISE.



- 2 BUTTON ZONE CONTROL SWITCH (ON/OFF) TO CONTROL LIGHTING ZONES LZ-1, LZ-2 AND LZ-3.
- 2 BUTTON ZONE CONTROL SWITCH (ON/OFF) TO CONTROL LIGHTING ZONES LZ-12 AND LZ-13.
- EXISTING GENERAL AREA LIGHTING, EMERGENCY LIGHTING AND EXIT LIGHTING IN THIS AREA SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING EXIT SIGN SHALL REMAIN. PROTECT DURING CONSTRUCTION.
- CONNECT NEW LIGHT FIXTURE TO EXISTING CORRIDOR 104 LIGHTING CONTROL ZONE.
- EXIT CORRIDOR. ENSURE THAT NO OTHER SYSTEM CONDUIT AND WIRE PASSES THROUGH CORRIDOR. ONLY CONDUIT AND WIRE ASSOCIATED WITH EQUIPMENT WITHIN THE EXIT CORRIDOR IS ALLOWED. RELOCATE ANY EXISTING CONDUIT AND WIRE NOT ASSOCIATED WITH THE EXIT CORRIDOR AS REQUIRED.
- 2 BUTTON ZONE CONTROL SWITCH (ON/OFF) TO CONTROL LIGHTING ZONES LZ-18, LZ-19, LZ-22, LZ-23, LZ-24 AND LZ-25.
- CHAIN HANG LIGHT FIXTURE TO 3860mm A.F.F.
- EXISTING GENTEC LIGHTING CONTROL PANEL 'MAIN FLOOR WEST' SHALL REMAIN. CONNECT NEW LIGHT FIXTURES IN CORRIDORS IN 105 AND 105.1 TO EXISTING MAIN FLOOR LIGHTING CONTROL ZONE.
- WIRELESS HEAD END LIGHTING CONTROLLER 'LCP-1' MOUNTED ABOVE CEILING. REFER TO LOW VOLTAGE LIGHTING CONTROL ZONE SCHEDULE AND LIGHTING CONTROL SEQUENCE OF OPERATION ON DRAWING E3.1.
- WIRELESS HEAD END LIGHTING CONTROLLER 'LCP-2' MOUNTED ABOVE CEILING. REFER TO LOW VOLTAGE LIGHTING CONTROL ZONE SCHEDULE AND LIGHTING CONTROL SEQUENCE OF OPERATION ON DRAWING E3.1.
- WIRELESS HEAD END LIGHTING CONTROLLER 'LCP-3' MOUNTED ABOVE CEILING. REFER TO LOW VOLTAGE LIGHTING CONTROL ZONE SCHEDULE AND LIGHTING CONTROL SEQUENCE OF OPERATION ON DRAWING E3.1.
- NOT USED.
- 4 BUTTON ZONE CONTROL SWITCH (ON/OFF, RAISE LOWER) TO CONTROL LIGHTING ZONES LZ-10 AND LZ-11.
- REINSTALL SALVAGED EXIT SIGN IN THIS LOCATION.
- CEILING SPACE WITHIN AREAS 105.1, 150.13, 150.14, 150.15, 150.16, 150.17, 150.18, 150.19, 150.20, 170.1 AND 170.2 IS TWO STOREY. CONDUIT AND WIRING SHALL BE RUN ON UNDERSIDE OF UPPER STRUCTURE.
- EXISTING LIGHT FIXTURE SHALL BE REMOVED AND REINSTALLED IN SAME LOCATION AS REQUIRED TO ALLOW MECHANICAL CONTRACTOR WORK IN CEILING SPACE. RECONNECT TO EXISTING CIRCUITRY.
- EXISTING OCCUPANCY SENSOR SHALL BE REMOVED AND REINSTALLED IN SAME LOCATION AS REQUIRED TO ALLOW MECHANICAL CONTRACTOR WORK IN CEILING SPACE. RECONNECT TO EXISTING LIGHTING FIXTURES.

19 2 BUTTON ZONE CONTROL SWITCH (ON/OFF) TO CONTROL LIGHTING ZONES LZ-4, LZ-5 AND LZ-6.

20 REMOVE AND REPLACE EXISTING EXIT SIGN AT FACE OF NEW DOOR.

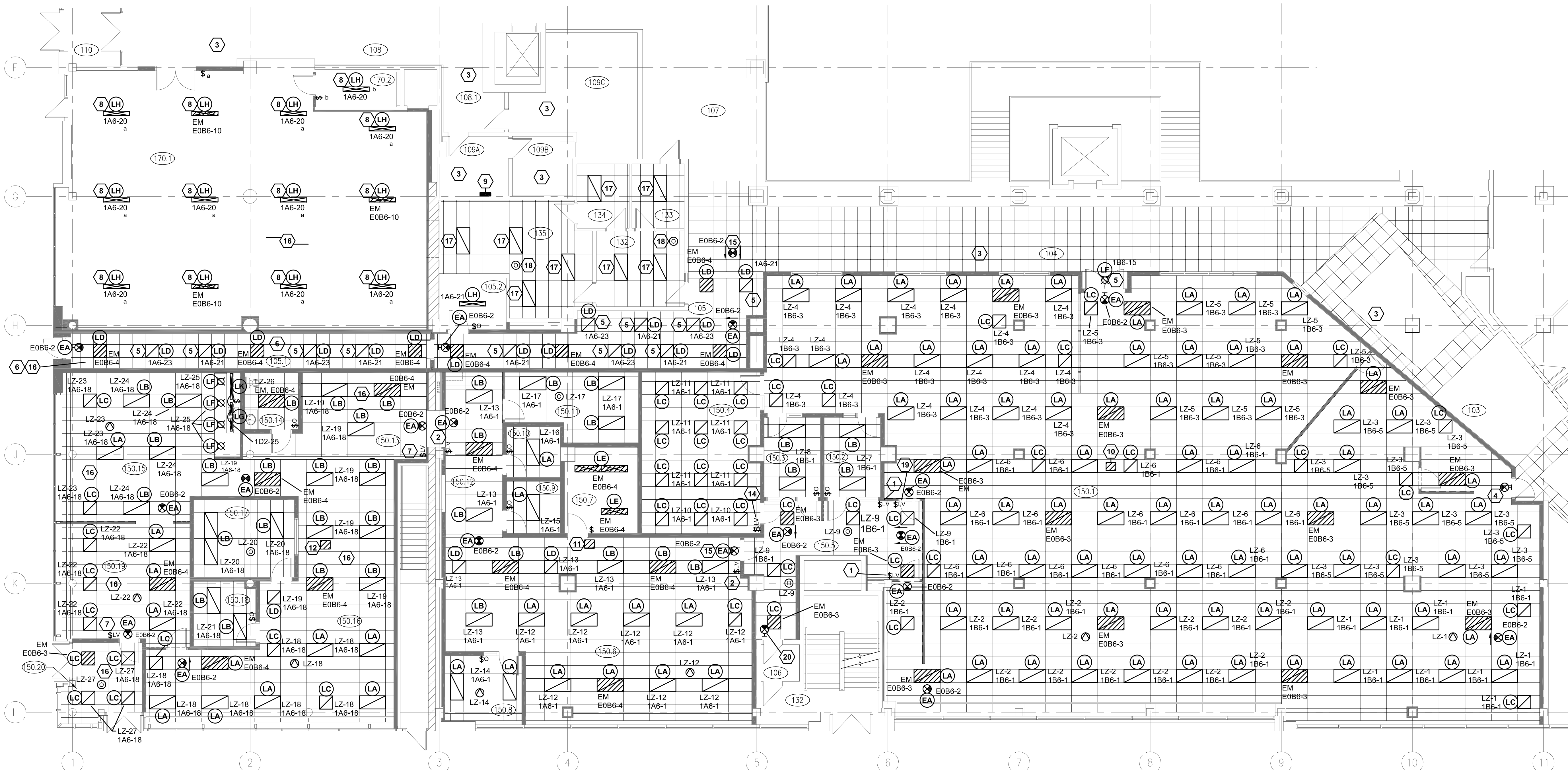
AREAS OF THE TENANT SPACE WILL BE OCCUPIED AT ALL TIMES DURING CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DEMOLITION AND CONSTRUCTION PHASING. CONSTRUCTION SHALL NOT OCCUR IN ANY AREA PRIOR TO THAT PHASE OF WORK BEGINNING UNLESS NOTED OTHERWISE. ACCESS TO ALL AREAS OF THE TENANT SPACE SHALL BE MAINTAINED SUCH THAT ARE REQUIRED TO BE ACCESSED IN OCCUPIED AREAS DURING INITIAL PHASES OF CONSTRUCTION (I.E. SOUTHEAST CORNER OF RENOVATION AREA), WHERE ACCESS IS REQUIRED TO CEILING SPACES IN AREAS THAT ARE OCCUPIED, THOSE AREAS SHALL BE ACCESSED OUTSIDE OF NORMAL TENANT WORKING HOURS OR ON WEEKENDS.

REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK RESTRICTION REQUIREMENTS AFTER HOURS AND TENANT WORKING HOURS.

REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK
RESTRICTION REQUIREMENTS AFTER HOURS AND TENANT WORKING HOURS.

LTR	DESCRIPTION	DIMENSIONS	LAMPS	OPTICS	FINISH	VOLTAGE	APPROVED MANUFACTURERS	NOTES
LA	LOW PROFILE, TBAR RECESSED VOLUMETRIC LED TROFFER C/W 0-10V DIMMING 10% - 100%	610W x 1220L x 60Dmm	40W LED 4800 LUMENS 4000°K 80+ CRI	DIFFUSE SMOOTH ACRYLIC LENS	WHITE	347	SIGNIFY 2FGG SERIES LITHONIA 2BLT14 SERIES METALUX 2ARTC SERIES COLUMBIA LCAT24 SERIES	
LB	LOW PROFILE, TBAR RECESSED VOLUMETRIC LED TROFFER	610W x 1220L x 60Dmm	40W LED 4800 LUMENS 4000°K 80+ CRI	DIFFUSE SMOOTH ACRYLIC LENS	WHITE	347	SIGNIFY 2FGG SERIES LITHONIA 2BLT14 SERIES METALUX 2ARTC SERIES COLUMBIA LCAT24 SERIES	
LC	LOW PROFILE, TBAR RECESSED VOLUMETRIC LED TROFFER C/W 0-10V DIMMING 1% - 100%	610W x 610L x 60Dmm	30W LED 3300 LUMENS 4000°K 80+ CRI	DIFFUSE SMOOTH ACRYLIC LENS	WHITE	347	SIGNIFY 2FGG SERIES LITHONIA 2BLT12 SERIES METALUX 2ZCZ SERIES COLUMBIA LCAT22 SERIES	
LD	LOW PROFILE, TBAR RECESSED VOLUMETRIC LED TROFFER	610W x 610L x 60Dmm	30W LED 3300 LUMENS 4000°K 80+ CRI	DIFFUSE SMOOTH ACRYLIC LENS	WHITE	347	SIGNIFY 2FGG SERIES LITHONIA 2BLT12 SERIES METALUX 2ZCZ SERIES COLUMBIA LCAT22 SERIES	
LE	LOW PROFILE, SURFACE MOUNTED VOLUMETRIC LED TROFFER C/W SURFACE MOUNT FRAME KIT	305W x 1220L x 100Dmm	35W LED 4000 LUMENS 4000°K 80+ CRI	DIFFUSE SMOOTH ACRYLIC LENS	WHITE	347	SIGNIFY 1FGG SERIES LITHONIA BLT4 SERIES METALUX 14RTC SERIES COLUMBIA LCAT14 SERIES	
LF	RECESSED ARCHITECTURAL DOWNLIGHT	1080 x 140mmH	18W LED 2000 LUMENS 4000°K 80+ CRI	MEDIUM DISTRIBUTION SPUN ALUMINIUM	SEMI- SPECULAR SELF FLANGED	347	PORTFOLIO LD4B SERIES GOTHAM LIGHTING EV04 SERIES SIGNIFY CANADA 4RN-PA4DL SERIES	
LG	SURFACE LED STRIP UNDERCOUNTER	575L x 21W x 16mmH	4W LED 260 LUMENS/FT 4000°K 80 CRI	MILKY ACRYLIC ROUND DIFFUSER	WHITE	24V DC 120V AC		2
LH	LENSED LED STRIPLIGHT	1220L x 80W x 100mmH	35W LED 4000 LUMENS 4000°K 80+ CRI	SEMI FROSTED ROUND LENS	WHITE	347		
LJ	LOW PROFILE, RECESS MOUNT VOLUMETRIC LED TROFFER	305W x 1220L x 60Dmm	35W LED 4000 LUMENS 4000°K 80+ CRI	DIFFUSE SMOOTH ACRYLIC LENS	WHITE	347	SIGNIFY 1FGG SERIES LITHONIA BLT4 SERIES METALUX 14RTC SERIES COLUMBIA LCAT14 SERIES	
LK	SURFACE LED STRIP UNDERCOUNTER	1205L x 21W x 16mmH	4W LED 260 LUMENS/FT 4000°K 80 CRI	MILKY ACRYLIC ROUND DIFFUSER	WHITE	24V DC 120V AC		2
LM	SURFACE ASYMMETRIC LED LINEAR	610L x 90W x 120mmH	10W LED 700 LUMENS/FT 3000°K 80 CRI	ASYMMETRIC OPTICS WITH FLUSH DIFFUSE SMOOTH ACRYLIC LENS	WHITE	347		3
EA	UNIVERSAL SINGLE OR DOUBLE FACE PICTOGRAM EXIT	229H x 305W x 35mmD	LED	ONE PIECE ALUMINUM EXTRUDED HOUSING	WHITE	347	AIMLITE RPAWL SERIES BEGHELLI GRRM SERIES EMERGLITE EA SERIES READY-LITE RA SERIES	1

1. CIRCUIT TO EXISTING FLOOR EXIT LIGHT CIRCUIT.
2. REFER TO ARCHITECTURAL MILLWORK DETAILS TO DETERMINE EXACT MOUNTING LOCATION. MOUNT FIXTURES 25mm BEHIND VALENCE. PROVIDE DIRECT CONNECTION BOX WITH FIXTURE AND LOCATE TRANSFORMER WITHIN ACCESSIBLE CEILING SPACE. SHOP DRAWINGS SHALL INDICATE ALL ACCESSORIES.
3. REFER TO ARCHITECTURAL SECTIONS ON DRAWING A4.1 TO DETERMINE EXACT MOUNTING LOCATION. INSTALL FIXTURES SURFACE ON SUPPORT WITH ASYMMETRIC FACING WALL OF SHAFT, NOT GLAZING.



ASSOCIATION OF PROFESSIONAL ENGINEERS
OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
ALFA ENGINEERING LTD.
NUMBER 14
PERMISSION TO CONSULT HELD BY:
DISCIPLINE: ELECTRICAL
SASK. REG. No. 6438
SIGNATURE: *BH*



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#	ISSUED FOR TENDER	2021/03/17

Project title/Titre du projet
**1783 HAMILTON STREET
REGINA, SASKATCHEWAN**

Approved by/Approuve par BCN
Designed by/Concept par PLJ
Drawn by/Dessine par PLJ

PWGSC Project Manager/Administrateur de Projets TP
JEAN-PHILIPPE BLOUIN

PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

MAIN FLOOR LIGHTING PLAN

Project No./No. du
R.060346

E2.2
OF 18

Revisión no.
La Revisión
no.

DO NOT SCALE DRAWINGS

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#	ISSUED FOR TENDER	20210317
Revision/ Révision	Description/Description	Date/Date

Client/client

PUBLIC WORKS AND
GOVERNMENT SERVICES
CANADA

Project title/Titre du projet
1783 HAMILTON STREET
REGINA, SASKATCHEWAN

ESDC - PPT REGINA
AMALGAMATION

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Designed by/Concept par
PLJ

Drawn by/Dessiné par
PLJ

PWGSC Project Manager/Administrateur de Projets TPSSC
JEAN-PHILIPPE BLOUIN

PWGSC Architectural and Engineering Resources Manager/
Ressources Architecturales et de Directeur d'Ingénierie, TPSSC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

BASEMENT
BUILDING SYSTEMS PLAN

Project No./No. du projet

R.060346

Sheet/Feuille

E2.3

OF 18

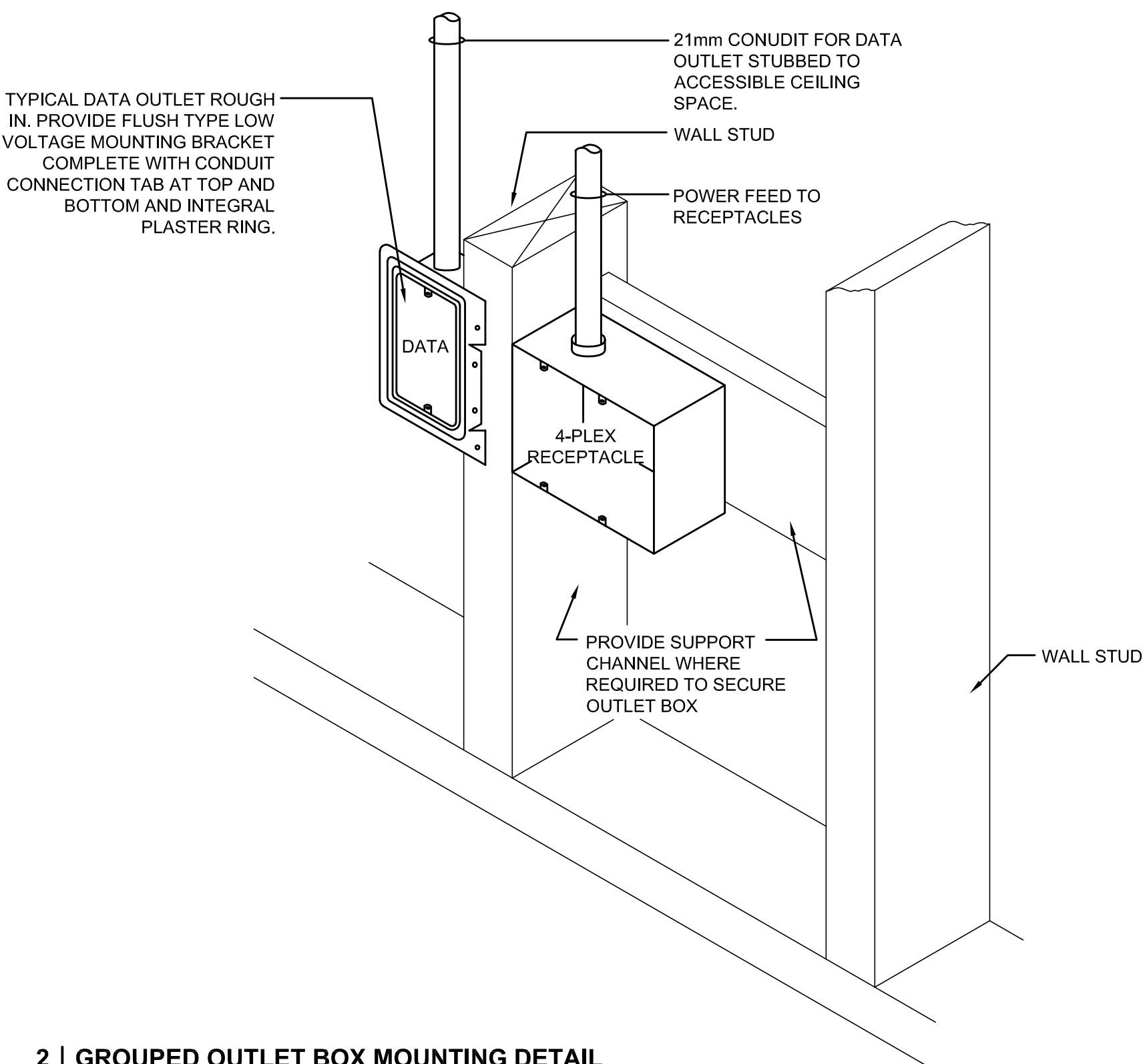
Revision no./
La Révision
no.

BASEMENT BUILDING SYSTEMS PLAN NOTE LEGEND:

- EXISTING BUILDING DISTRIBUTION EQUIPMENT SHALL REMAIN.
- EXISTING 225A RATED, 347/600V, 3Ø/4W EMERGENCY POWER PANEL 'E086' SHALL REMAIN. PANEL IS CUTLER-HAMMER BRAND, 42 CIRCUIT. PROVIDE NEW BREAKERS AS REQUIRED TO COMPLETE CIRCUITRY AS INDICATED.
- EXISTING 225A RATED, 120/208V, 3Ø/4W EMERGENCY POWER PANEL 'E002' SHALL REMAIN. PANEL IS CUTLER-HAMMER BRAND, 42 CIRCUIT. PROVIDE NEW BREAKERS AS REQUIRED TO COMPLETE CIRCUITRY AS INDICATED.
- EXISTING NOTIFIER BRAND FIRE ALARM CONTROL AND AMPLIFIER CABINETS SHALL REMAIN.
- NEW BASEMENT FIRE ALARM ZONE, CONNECT NEW INDICATING DEVICES TO EXISTING BASEMENT SIGNAL CIRCUIT SERVING ADJACENT AREA. NEW INITIATING DEVICES SHALL BE CONNECTED TO NEW FAULT ISOLATOR MODULES AND EXISTING BASEMENT CLASS A ADDRESSABLE LOOP #7. CONFIRM FIRE ALARM ZONE NUMBERING ON SITE.

BUSSING: EXISTING		PANEL 'E086'				EX. KA I.C.			
TYPE: EXISTING		347/600		VOLTS		3 PHASE		4 WIRE	
MOUNT: SURFACE IN BASEMENT 003									
SERVICE		TRIP	CIRCUIT		TRIP	SERVICE			
12A	EX. BASEMENT EM LIGHTS	EX. 1	A	2	EX.	EX. EXIT BASE/MAIN/2ND			
12A	EX. MAIN EM LIGHTS	EX. 3	B	4	EX.	EX. MAIN EM LIGHTS			
12A	EXISTING CIRCUIT	EX. 5	C	6	EX.	EXISTING CIRCUIT			
12A	EXISTING CIRCUIT	EX. 7	A	8	EX.	EX. MAIN EM LIGHTS			
12A	EXISTING CIRCUIT	EX. 9	B	10	15	MAIN EM. LIGHTS			
0A	SPACE	11	C	12	SPACE				
12A	EXISTING CIRCUIT	EX. 13	A	14	EX.	EX. MAIN EM LIGHTS			
0A	SPACE	15	B	16	SPACE				
0A	SPACE	17	C	18	SPACE				
0A	SPACE	19	A	20	SPACE				
4A	EXISTING CIRCUIT	EX.	21	B	22	SPACE			
4A			23	C	24	SPACE			
4A			25	A	26	SPACE			
0A	SPACE		27	B	28	SPACE			
0A	SPACE		29	C	30	SPACE			
0A	SPACE		31	A	32	SPACE			
0A	SPACE		33	B	34	SPACE			
0A	SPACE		35	C	36	SPACE			
0A	SPACE		37	A	38	SPACE			
0A	SPACE		39	B	40	SPACE			
0A	SPACE		41	C	42	SPACE			

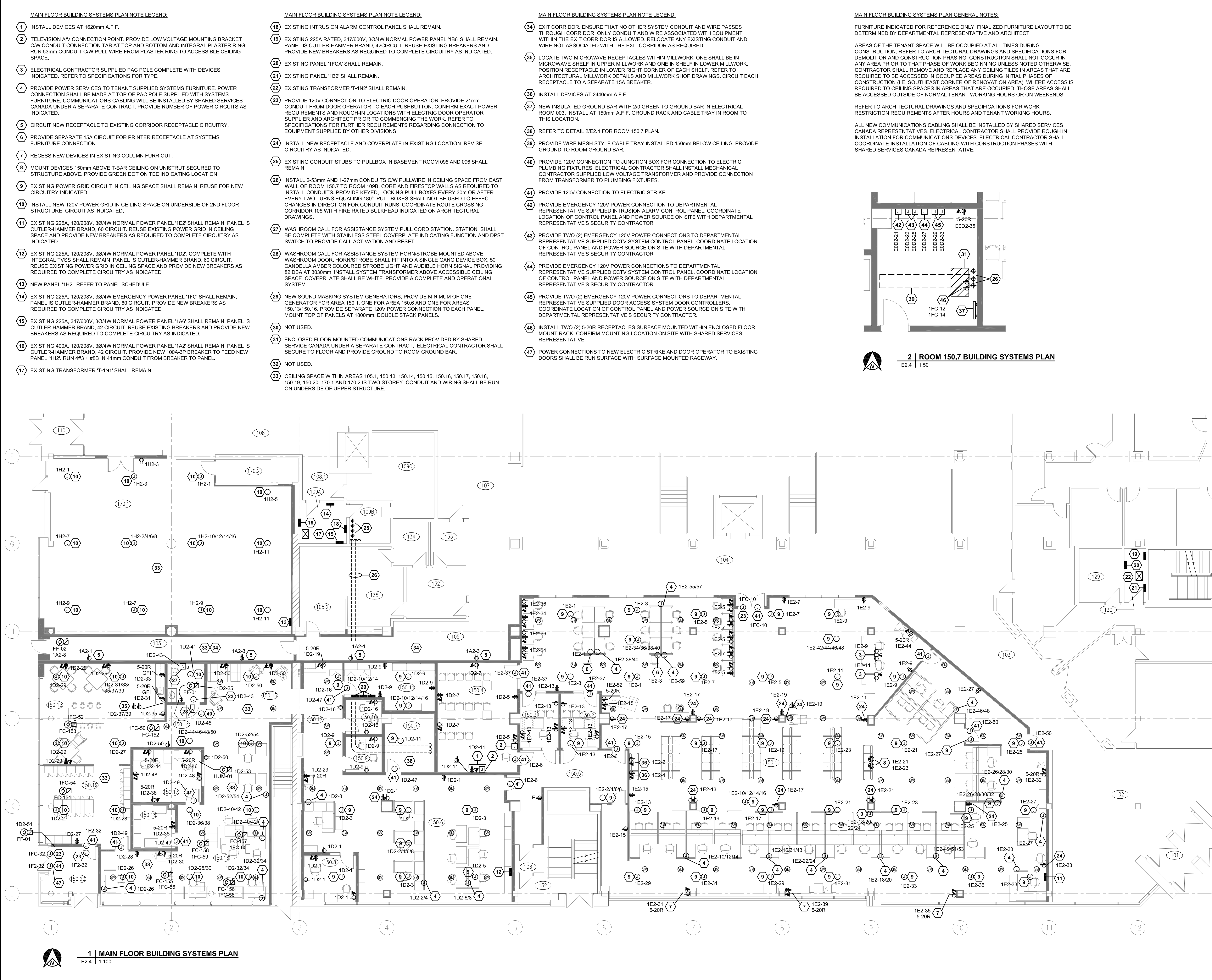
BUSSING: EXISTING		PANEL 'E002'				EX. KA I.C.			
TYPE: EXISTING		120/208		VOLTS		3 PHASE		4 WIRE	
MOUNT: SURFACE IN BASEMENT 003									
SERVICE		TRIP		CIRCUIT		TRIP		SERVICE	
EXISTING CIRCUIT		EX.	1	A	2	EX.	EXISTING CIRCUIT		
EXISTING CIRCUIT		EX.	3	B	4	EX.	EXISTING CIRCUIT		
EXISTING CIRCUIT		EX.	5	C	6	EX.	EXISTING CIRCUIT		
EXISTING CIRCUIT		EX.	7	A	8	EX.	EXISTING CIRCUIT		
EXISTING CIRCUIT		EX.	9	B	10	EX.	EXISTING CIRCUIT		
EXISTING CIRCUIT		EX.	11	C	12	EX.	EXISTING CIRCUIT		
EXISTING CIRCUIT		EX.	13	A	14	EX.	EXISTING CIRCUIT		
EXISTING CIRCUIT		EX.	15	B	16	EX.	EXISTING CIRCUIT		
			17	C	18	EX.	EXISTING CIRCUIT		
			19	A	20	EX.	EXISTING CIRCUIT		
ROOM 150.7 SECURITY		15	21	B	22	EX.	EXISTING CIRCUIT		
ROOM 150.7 SECURITY		15	23	C	24	EX.	EXISTING CIRCUIT		
ROOM 150.7 SECURITY		15	25	A	26	EX.	EXISTING CIRCUIT		
ROOM 150.7 SECURITY		15	27	B	28	EX.	EXISTING CIRCUIT		
ROOM 150.7 SECURITY		15	29	C	30	EX.	EXISTING CIRCUIT		
EXISTING CIRCUIT		EX.	31	A	32	EX.	EXISTING CIRCUIT		
ROOM 150.7 SECURITY		15	33	B	34	EX.	EXISTING CIRCUIT		
ROOM 150.7 SECURITY		15	35	C	36	EX.	EXISTING CIRCUIT		
EXISTING SPACE		20	37	A	38	EX.	EXISTING CIRCUIT		
EXISTING SPACE		20	39	B	40		SPACE		
RM 150.7 RECEPTACLE		20	41	C	42	EX.	EXISTING CIRCUIT		



1 | BASEMENT BUILDING SYSTEMS PLAN
E2.3 | 1:100

2 | GROUPED OUTLET BOX MOUNTING DETAIL
E2.3 | NTS





MAIN FLOOR BUILDING SYSTEMS PLAN NOTE LEGEND:

- 1 INSTALL DEVICES AT 1620mm A.F.F.
- 2 TELEVISION A/V CONNECTION POINT. PROVIDE LOW VOLTAGE MOUNTING BRACKET C/W CONDUIT CONNECTION TAB AT TOP AND BOTTOM AND INTEGRAL PLASTER RING. RUN 53mm CONDUIT C/W PULL WIRE FROM PLASTER RING TO ACCESSIBLE CEILING SPACE.
- 3 ELECTRICAL CONTRACTOR SUPPLIED PAC POLE COMPLETE WITH DEVICES INDICATED. REFER TO SPECIFICATIONS FOR TYPE.
- 4 PROVIDE POWER SERVICES TO TENANT SUPPLIED SYSTEMS FURNITURE. POWER CONNECTION SHALL BE MADE AT TOP OF PAC POLE SUPPLIED WITH SYSTEMS FURNITURE. COMMUNICATIONS CABLING WILL BE INSTALLED BY SHARED SERVICES CANADA UNDER A SEPARATE CONTRACT. PROVIDE NUMBER OF POWER CIRCUITS AS INDICATED.
- 5 CIRCUIT NEW RECEPTACLE TO EXISTING CORRIDOR RECEPTACLE CIRCUITRY.
- 6 PROVIDE SEPARATE 15A CIRCUIT FOR PRINTER RECEPTACLE AT SYSTEMS FURNITURE CONNECTION.
- 7 RECESS NEW DEVICES IN EXISTING COLUMN FURR OUT.
- 8 MOUNT DEVICES 150mm ABOVE T-BAR CEILING ON UNISTRUT SECURED TO STRUCTURE ABOVE. PROVIDE GREEN DOT ON TEE INDICATING LOCATION.
- 9 EXISTING POWER GRID CIRCUIT IN CEILING SPACE SHALL REMAIN. REUSE FOR NEW CIRCUITRY INDICATED.
- 10 INSTALL NEW 120V POWER GRID IN CEILING SPACE ON UNDERSIDE OF 2ND FLOOR STRUCTURE. CIRCUIT AS INDICATED.
- 11 EXISTING 225A, 120/208V, 3Ø/4W NORMAL POWER PANEL '1E2' SHALL REMAIN. PANEL IS CUTLER-HAMMER BRAND, 60 CIRCUIT. REUSE EXISTING POWER GRID IN CEILING SPACE AND PROVIDE NEW BREAKERS AS REQUIRED TO COMPLETE CIRCUITRY AS INDICATED.
- 12 EXISTING 225A, 120/208V, 3Ø/4W NORMAL POWER PANEL '1D2', COMPLETE WITH INTEGRAL TVSS SHALL REMAIN. PANEL IS CUTLER-HAMMER BRAND, 60 CIRCUIT. REUSE EXISTING POWER GRID IN CEILING SPACE AND PROVIDE NEW BREAKERS AS REQUIRED TO COMPLETE CIRCUITRY AS INDICATED.
- 13 NEW PANEL '1H2'. REFER TO PANEL SCHEDULE.
- 14 EXISTING 225A, 120/208V, 3Ø/4W EMERGENCY POWER PANEL '1FC' SHALL REMAIN. PANEL IS CUTLER-HAMMER BRAND, 60 CIRCUIT. PROVIDE NEW BREAKERS AS REQUIRED TO COMPLETE CIRCUITRY AS INDICATED.
- 15 EXISTING 225A, 347/600V, 3Ø/4W NORMAL POWER PANEL '1A6' SHALL REMAIN. PANEL IS CUTLER-HAMMER BRAND, 42 CIRCUIT. REUSE EXISTING BREAKERS AND PROVIDE NEW BREAKERS AS REQUIRED TO COMPLETE CIRCUITRY AS INDICATED.
- 16 EXISTING 400A, 120/208V, 3Ø/4W NORMAL POWER PANEL '1A2' SHALL REMAIN. PANEL IS CUTLER-HAMMER BRAND, 42 CIRCUIT. PROVIDE NEW 100A-3P BREAKER TO FEED NEW PANEL '1H2'. RUN 4#3 + #8B IN 41mm CONDUIT FROM BREAKER TO PANEL.
- 17 EXISTING TRANSFORMER T-1N1' SHALL REMAIN.

MAIN FLOOR BUILDING SYSTEMS PLAN NOTE LEGEND:

- 18 EXISTING INTRUSION ALARM CONTROL PANEL SHALL REMAIN.
- 19 EXISTING 225A RATED, 347/600V, 3Ø/4W NORMAL POWER PANEL '1B6' SHALL REMAIN. PANEL IS CUTLER-HAMMER BRAND, 42CIRCUIT. REUSE EXISTING BREAKERS AND PROVIDE NEW BREAKERS AS REQUIRED TO COMPLETE CIRCUITRY AS INDICATED.
- 20 EXISTING PANEL '1FCA' SHALL REMAIN.
- 21 EXISTING PANEL '1B2' SHALL REMAIN.
- 22 EXISTING TRANSFORMER T-1N2' SHALL REMAIN.
- 23 PROVIDE 120V CONNECTION TO ELECTRIC DOOR OPERATOR. PROVIDE 21mm CONDUIT FROM DOOR OPERATOR TO EACH PUSHBUTTON. CONFIRM EXACT POWER REQUIREMENTS AND ROUGH-IN LOCATIONS WITH ELECTRIC DOOR OPERATOR SUPPLIER AND ARCHITECT PRIOR TO COMMENCING THE WORK. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS REGARDING CONNECTION TO EQUIPMENT SUPPLIED BY OTHER DIVISIONS.
- 24 INSTALL NEW RECEPTACLE AND COVERPLATE IN EXISTING LOCATION. REVISE CIRCUITRY AS INDICATED.
- 25 EXISTING CONDUIT STUBS TO PULLBOX IN BASEMENT ROOM 095 AND 096 SHALL REMAIN.
- 26 INSTALL 2-53mm AND 1-27mm CONDUITS C/W PULLWIRE IN CEILING SPACE FROM EAST WALL OF ROOM 150.7 TO ROOM 109B. CORE AND FIRESTOP WALLS AS REQUIRED TO INSTALL CONDUITS. PROVIDE KEYED, LOCKING PULL BOXES EVERY 30m OR AFTER EVERY TWO TURNS EQUALING 180°. PULL BOXES SHALL NOT BE USED TO EFFECT CHANGES IN DIRECTION FOR CONDUIT RUNS. COORDINATE ROUTE CROSSING CORRIDOR 105 WITH FIRE RATED BULKHEAD INDICATED ON ARCHITECTURAL DRAWINGS.
- 27 WASHROOM CALL FOR ASSISTANCE SYSTEM PULL CORD STATION. STATION SHALL BE COMPLETE WITH STAINLESS STEEL COVERPLATE INDICATING FUNCTION AND DPST SWITCH TO PROVIDE CALL ACTIVATION AND RESET.
- 28 WASHROOM CALL FOR ASSISTANCE SYSTEM HORN/STROBE MOUNTED ABOVE WASHROOM DOOR. HORN/STROBE SHALL FIT INTO A SINGLE GANG DEVICE BOX, 50 CANDELLA AMBER COLOURED STROBE LIGHT AND AUDIBLE HORN SIGNAL PROVIDING 82 DBA AT 3030mm. INSTALL SYSTEM TRANSFORMER ABOVE ACCESSIBLE CEILING SPACE. COVERPLATE SHALL BE WHITE. PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
- 29 NEW SOUND MASKING SYSTEM GENERATORS. PROVIDE MINIMUM OF ONE GENERATOR FOR AREA 150.1, ONE FOR AREA 150.6 AND ONE FOR AREAS 150.13/150.16. PROVIDE SEPARATE 120V POWER CONNECTION TO EACH PANEL. MOUNT TOP OF PANELS AT 1800mm. DOUBLE STACK PANELS.
- 30 NOT USED.
- 31 ENCLOSED FLOOR MOUNTED COMMUNICATIONS RACK PROVIDED BY SHARED SERVICE CANADA UNDER A SEPARATE CONTRACT. ELECTRICAL CONTRACTOR SHALL SECURE TO FLOOR AND PROVIDE GROUND TO ROOM GROUND BAR.
- 32 NOT USED.
- 33 CEILING SPACE WITHIN AREAS 105.1, 150.13, 150.14, 150.15, 150.16, 150.17, 150.18, 150.19, 150.20, 170.1 AND 170.2 IS TWO STOREY. CONDUIT AND WIRING SHALL BE RUN ON UNDERSIDE OF UPPER STRUCTURE.

MAIN FLOOR BUILDING SYSTEMS PLAN NOTE LEGEND:

- 34 EXIT CORRIDOR. ENSURE THAT NO OTHER SYSTEM CONDUIT AND WIRE PASSES THROUGH CORRIDOR. ONLY CONDUIT AND WIRE ASSOCIATED WITH EQUIPMENT WITHIN THE EXIT CORRIDOR IS ALLOWED. RELOCATE ANY EXISTING CONDUIT AND WIRE NOT ASSOCIATED WITH THE EXIT CORRIDOR AS REQUIRED.
- 35 LOCATE TWO MICROWAVE RECEPTACLES WITHIN MILLWORK. ONE SHALL BE IN MICROWAVE SHELF IN UPPER MILLWORK AND ONE IN SHELF IN LOWER MILLWORK. POSITION RECEPTACLE IN LOWER RIGHT CORNER OF EACH SHELF. REFER TO ARCHITECTURAL MILLWORK DETAILS AND MILLWORK SHOP DRAWINGS. CIRCUIT EACH RECEPTACLE TO A SEPARATE 15A BREAKER.
- 36 INSTALL DEVICES AT 2440mm A.F.F.
- 37 NEW INSULATED GROUND BAR WITH 2/0 GREEN TO GROUND BAR IN ELECTRICAL ROOM 003. INSTALL AT 150mm A.F.F. GROUND RACK AND CABLE TRAY IN ROOM TO THIS LOCATION.
- 38 REFER TO DETAIL 2/E2.4 FOR ROOM 150.7 PLAN.
- 39 PROVIDE WIRE MESH STYLE CABLE TRAY INSTALLED 150mm BELOW CEILING. PROVIDE GROUND TO ROOM GROUND BAR.
- 40 PROVIDE 120V CONNECTION TO JUNCTION BOX FOR CONNECTION TO ELECTRIC PLUMBING FIXTURES. ELECTRICAL CONTRACTOR SHALL INSTALL MECHANICAL CONTRACTOR SUPPLIED LOW VOLTAGE TRANSFORMER AND PROVIDE CONNECTION FROM TRANSFORMER TO PLUMBING FIXTURES.
- 41 PROVIDE 120V CONNECTION TO ELECTRIC STRIKE.
- 42 PROVIDE EMERGENCY 120V POWER CONNECTION TO DEPARTMENTAL REPRESENTATIVE SUPPLIED INTRUSION ALARM CONTROL PANEL. COORDINATE LOCATION OF CONTROL PANEL AND POWER SOURCE ON SITE WITH DEPARTMENTAL REPRESENTATIVE'S SECURITY CONTRACTOR.
- 43 PROVIDE TWO (2) EMERGENCY 120V POWER CONNECTIONS TO DEPARTMENTAL REPRESENTATIVE SUPPLIED CCTV SYSTEM CONTROL PANEL. COORDINATE LOCATION OF CONTROL PANEL AND POWER SOURCE ON SITE WITH DEPARTMENTAL REPRESENTATIVE'S SECURITY CONTRACTOR.
- 44 PROVIDE EMERGENCY 120V POWER CONNECTIONS TO DEPARTMENTAL REPRESENTATIVE SUPPLIED CCTV SYSTEM CONTROL PANEL. COORDINATE LOCATION OF CONTROL PANEL AND POWER SOURCE ON SITE WITH DEPARTMENTAL REPRESENTATIVE'S SECURITY CONTRACTOR.
- 45 PROVIDE TWO (2) EMERGENCY 120V POWER CONNECTIONS TO DEPARTMENTAL REPRESENTATIVE SUPPLIED DOOR ACCESS SYSTEM DOOR CONTROLLERS. COORDINATE LOCATION OF CONTROL PANEL AND POWER SOURCE ON SITE WITH DEPARTMENTAL REPRESENTATIVE'S SECURITY CONTRACTOR.
- 46 INSTALL TWO (2) 5-20R RECEPTACLES SURFACE MOUNTED WITHIN ENCLOSED FLOOR MOUNT RACK. CONFIRM MOUNTING LOCATION ON SITE WITH SHARED SERVICES REPRESENTATIVE.
- 47 POWER CONNECTIONS TO NEW ELECTRIC STRIKE AND DOOR OPERATOR TO EXISTING DOORS SHALL BE RUN SURFACE WITH SURFACE MOUNTED RACEWAY.

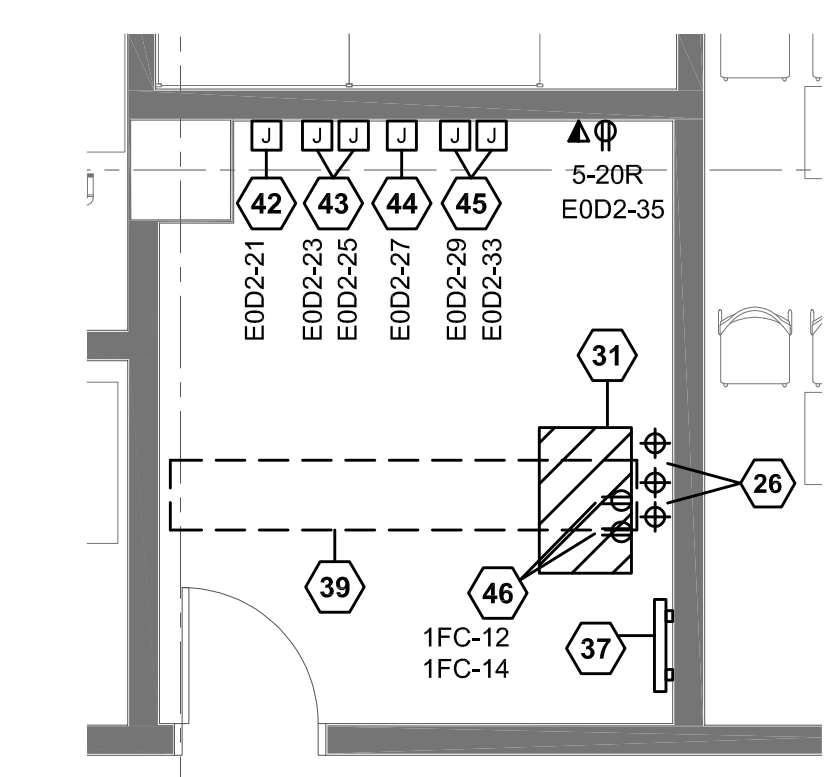
MAIN FLOOR BUILDING SYSTEMS PLAN GENERAL NOTES:

FURNITURE INDICATED FOR REFERENCE ONLY. FINALIZED FURNITURE LAYOUT TO BE DETERMINED BY DEPARTMENTAL REPRESENTATIVE AND ARCHITECT.

AREAS OF THE TENANT SPACE WILL BE OCCUPIED AT ALL TIMES DURING CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DEMOLITION AND CONSTRUCTION PHASING. CONSTRUCTION SHALL NOT OCCUR IN ANY AREA PRIOR TO THAT PHASE OF WORK BEGINNING UNLESS NOTED OTHERWISE. CONTRACTOR SHALL REMOVE AND REPLACE ANY CEILING TILES IN AREAS THAT ARE REQUIRED TO BE ACCESSED IN OCCUPIED AREAS DURING INITIAL PHASES OF CONSTRUCTION (I.E. SOUTHEAST CORNER OF RENOVATION AREA), WHERE ACCESS IS REQUIRED TO CEILING SPACES IN AREAS THAT ARE OCCUPIED, THOSE AREAS SHALL BE ACCESSED OUTSIDE OF NORMAL TENANT WORKING HOURS OR ON WEEKENDS.

REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK RESTRICTION REQUIREMENTS AFTER HOURS AND TENANT WORKING HOURS.

ALL NEW COMMUNICATIONS CABLING SHALL BE INSTALLED BY SHARED SERVICES CANADA REPRESENTATIVES. ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH IN INSTALLATION FOR COMMUNICATIONS DEVICES. ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF CABLING WITH CONSTRUCTION PHASES WITH SHARED SERVICES CANADA REPRESENTATIVE.



2 | ROOM 150.7 BUILDING SYSTEMS PLAN
E2.4 | 1:50

Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

ASSOCIATION OF PROFESSIONAL ENGINEERS OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
ALFA ENGINEERING LTD.
NUMBER 14
PERMISSION TO CONSULT HELD BY:
DISCIPLINE ELECTRICAL 6938 BJT

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Client/client PUBLIC SERVICES AND PROCUREMENT CANADA		
Drawing title/Titre du dessin MAIN FLOOR BUILDING SYSTEMS PLAN		
Project No./No. du projet R.060346	Sheet/Feuille E2.4 OF 18	Revision no./ No. de révision

FIRE ALARM AND SECURITY PLAN NOTE LEGEND:

- EXISTING FIRE ALARM SYSTEM SPEAKER/STROBE SHALL BE RELOCATED INTO NEW CEILING IN SIMILAR LOCATION. EXTEND CONDUIT AND WIRE AS REQUIRED. DEVICE SHALL BE REVERIFIED AS PER SPECIFICATIONS.
- EXISTING FIRE ALARM SYSTEM SPEAKER/STROBE SHALL BE RELOCATED TO NEW LOCATION. EXTEND CONDUIT AND WIRE AS REQUIRED. DEVICE SHALL BE REVERIFIED AS PER SPECIFICATIONS.
- NEW CEILING RECESSED FIRE ALARM SYSTEM SPEAKER/STROBE. CONNECT TO EXISTING MAIN FLOOR ANNUNCIATING CIRCUIT.
- NEW FIRE ALARM PULL STATION. CONNECT TO EXISTING MAIN FLOOR INITIATING CIRCUIT.
- PROVIDE SINGLE GANG, WEATHERPROOF, RECESS DEVICE BOX COMPLETE WITH 21mm CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE OF 150.16 FOR TENANT EQUIPMENT. INSTALL BOX AT 1150mm A.F.F. PROVIDE BLANK WEATHERPROOF COVERPLATE PRIOR TO INSTALLATION OF TENANT EQUIPMENT. RECESS DEVICE BOX INTO NEW INSULATED WALL PANEL.
- PROVIDE SINGLE GANG, RECESS DEVICE BOX COMPLETE WITH 21mm CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE OF 150.16 FOR TENANT EQUIPMENT. INSTALL BOX AT 1150mm A.F.F. PROVIDE BLANK COVERPLATE PRIOR TO INSTALLATION OF TENANT EQUIPMENT.
- NOT USED.
- NEW FIRE FIGHTER TELEPHONE. CONNECT TO FIRE ALARM SYSTEM. NEW DEVICE SHALL MATCH EXISTING.
- PROVIDE DOUBLE GANG, RECESS DEVICE BOX COMPLETE WITH 21mm CONDUIT STUBBED TO STUBBED TO NORTH WALL OF 150.7 FOR TENANT EQUIPMENT. INSTALL BOX AT 1150mm A.F.F.
- NEW WALL RECESSED FIRE ALARM SYSTEM SPEAKER/STROBE. CONNECT TO EXISTING MAIN FLOOR ANNUNCIATING CIRCUIT.
- NOT USED.
- PROVIDE SINGLE GANG, RECESS DEVICE BOX COMPLETE WITH 21mm CONDUIT STUBBED TO NORTH WALL OF 150.7 FOR TENANT EQUIPMENT. INSTALL BOX AT 1150mm A.F.F. PROVIDE BLANK COVERPLATE PRIOR TO INSTALLATION OF TENANT EQUIPMENT.
- REFER TO DETAIL 2/E3.2 FOR DOOR SECURITY ROUGH IN.
- REFER TO DETAIL 1/E3.2 FOR DOOR SECURITY ROUGH IN.
- REFER TO DETAIL 3/E3.2 FOR DOOR SECURITY ROUGH IN.
- REFER TO DETAIL 5/E3.2 FOR DOOR SECURITY ROUGH IN.

FIRE ALARM AND SECURITY PLAN NOTE LEGEND:

- PROVIDE ROUGH IN FOR STRIKE RELEASE PUSHBUTTON. PROVIDE SINGLE GANG, RECESS DEVICE BOX COMPLETE WITH 21mm CONDUIT WITH PULLWIRE RUN TO 300x300x150mm SECURITY JUNCTION BOX LOCATED IN CEILING SPACE. INSTALL BOX AT 1150mm A.F.F. PROVIDE BLANK COVERPLATE PRIOR TO INSTALLATION OF TENANT EQUIPMENT.
- REFER TO DETAIL 6/E3.2 FOR DOOR SECURITY ROUGH IN.
- REFER TO DETAIL 4/E3.2 FOR DOOR SECURITY ROUGH IN.
- PROVIDE SINGLE GANG, RECESS DEVICE BOX COMPLETE WITH 21mm CONDUIT STUBBED TO STUBBED TO NORTH WALL OF 150.7 FOR TENANT EQUIPMENT. INSTALL BOX AT 610mm A.F.F. PROVIDE 13mm GROMMETTED STAINLESS STEEL COVERPLATE.
- PROVIDE SINGLE GANG, RECESS DEVICE BOX COMPLETE WITH 21mm CONDUIT STUBBED TO STUBBED TO NORTH WALL OF 150.7 FOR TENANT EQUIPMENT. INSTALL BOX AT 1150mm A.F.F. PROVIDE 13mm GROMMETTED STAINLESS STEEL COVERPLATE.
- EXISTING DUCT SMOKE DETECTOR AND RELAY CONNECTIONS TO SMOKE DAMPER RELOCATED TO NEW TRANSFER GRILL AND SMOKE DAMPER LOCATION. EXTEND EXISTING FIRE ALARM INITIATING CIRCUIT TO NEW LOCATION.
- DOOR 150.1.1 CONTROL LOCATION. REFER TO DETAIL 5/E3.2 FOR DOOR SECURITY ROUGH IN.
- MAIN FIRE ALARM SYSTEM CONTROL PANEL SHALL REMAIN. REFER TO FIRE ALARM DETAILS ON DRAWING E3.2.

FIRE ALARM AND SECURITY PLAN GENERAL NOTES:

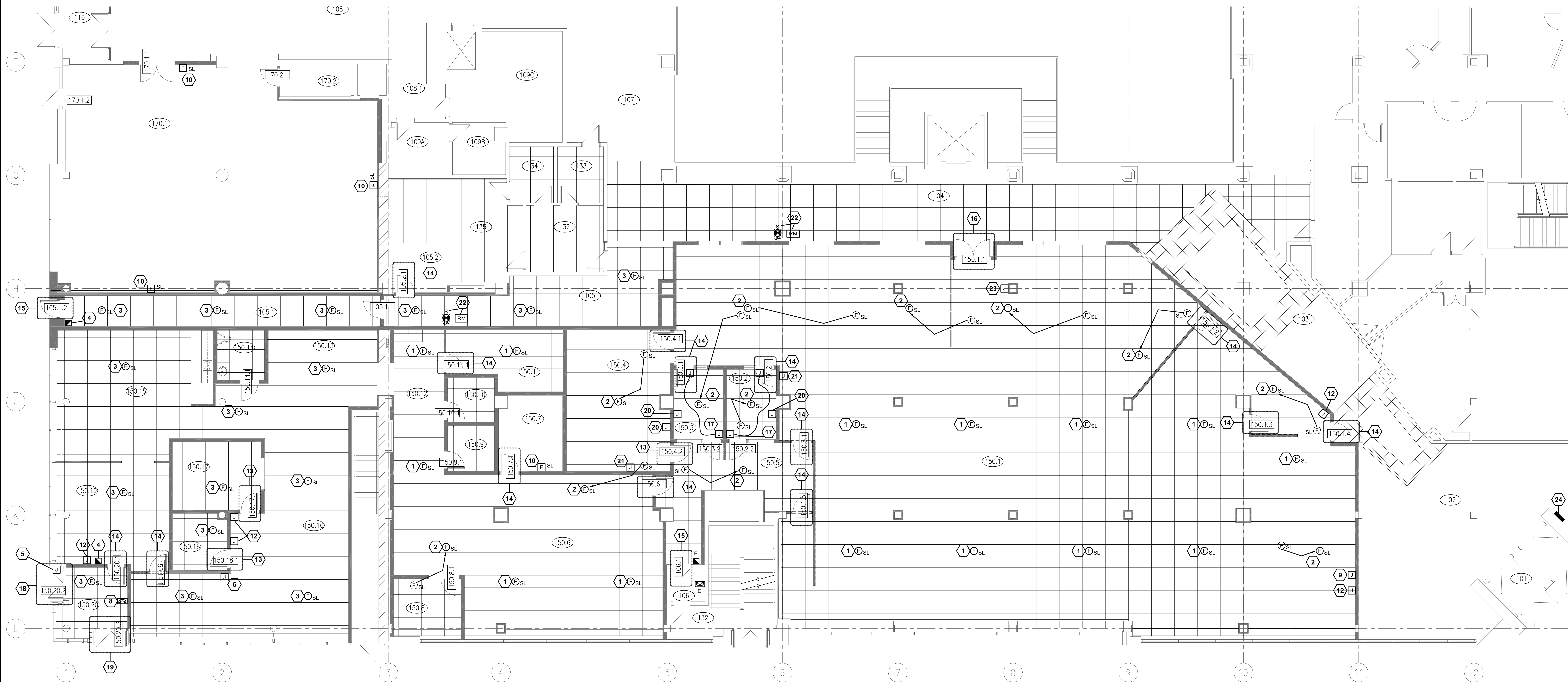
AREAS OF THE TENANT SPACE WILL BE OCCUPIED AT ALL TIMES DURING CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DEMOLITION AND CONSTRUCTION PHASING. CONSTRUCTION SHALL NOT OCCUR IN ANY AREA PRIOR TO THAT PHASE OF WORK BEGINNING UNLESS NOTED OTHERWISE. CONTRACTOR SHALL REMOVE AND REPLACE ANY CEILING TILES IN AREAS THAT ARE REQUIRED TO BE ACCESSED IN OCCUPIED AREAS DURING INITIAL PHASES OF CONSTRUCTION (I.E. SOUTHEAST CORNER OF RENOVATION AREA). WHERE ACCESS IS REQUIRED TO CEILING SPACES IN AREAS THAT ARE OCCUPIED, THOSE AREAS SHALL BE ACCESSED OUTSIDE OF NORMAL TENANT WORKING HOURS OR ON WEEKENDS.

THE EXISTING FIRE ALARM SYSTEM DEVICES SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. DEVICES SHALL BE RELOCATED AND RE-VERIFIED WITHIN THE SAME WORKING DAY. SCHEDULE NUMBER OF VERIFICATIONS AS REQUIRED. A FIRE WATCH SHALL BE IN PLACE WHILE THE EXISTING FIRE ALARM SYSTEM DEVICES ARE NOT OPERATIONAL.

REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK RESTRICTION REQUIREMENTS AFTER HOURS AND TENANT WORKING HOURS.

ELECTRICAL CONTRACTOR SHALL PROVIDE DEVICE BACK BOX, 120V POWER CONNECTIONS CONDUIT AND PULLWIRE TO SECURITY HEAD END EQUIPMENT ROOM, 150.7. INSTALLATION OF CABLING, EQUIPMENT AND COMMISSIONING OF EQUIPMENT SHALL BE COMPLETED BY THE DEPARTMENTAL REPRESENTATIVE UNDER A SEPARATE CONTRACT.

LABEL ALL CONDUITS STUBS IN ROOM 150.7 WITH ROOM NUMBER FROM WHICH THEY ORIGINATE WITH PRINTED LABELS.

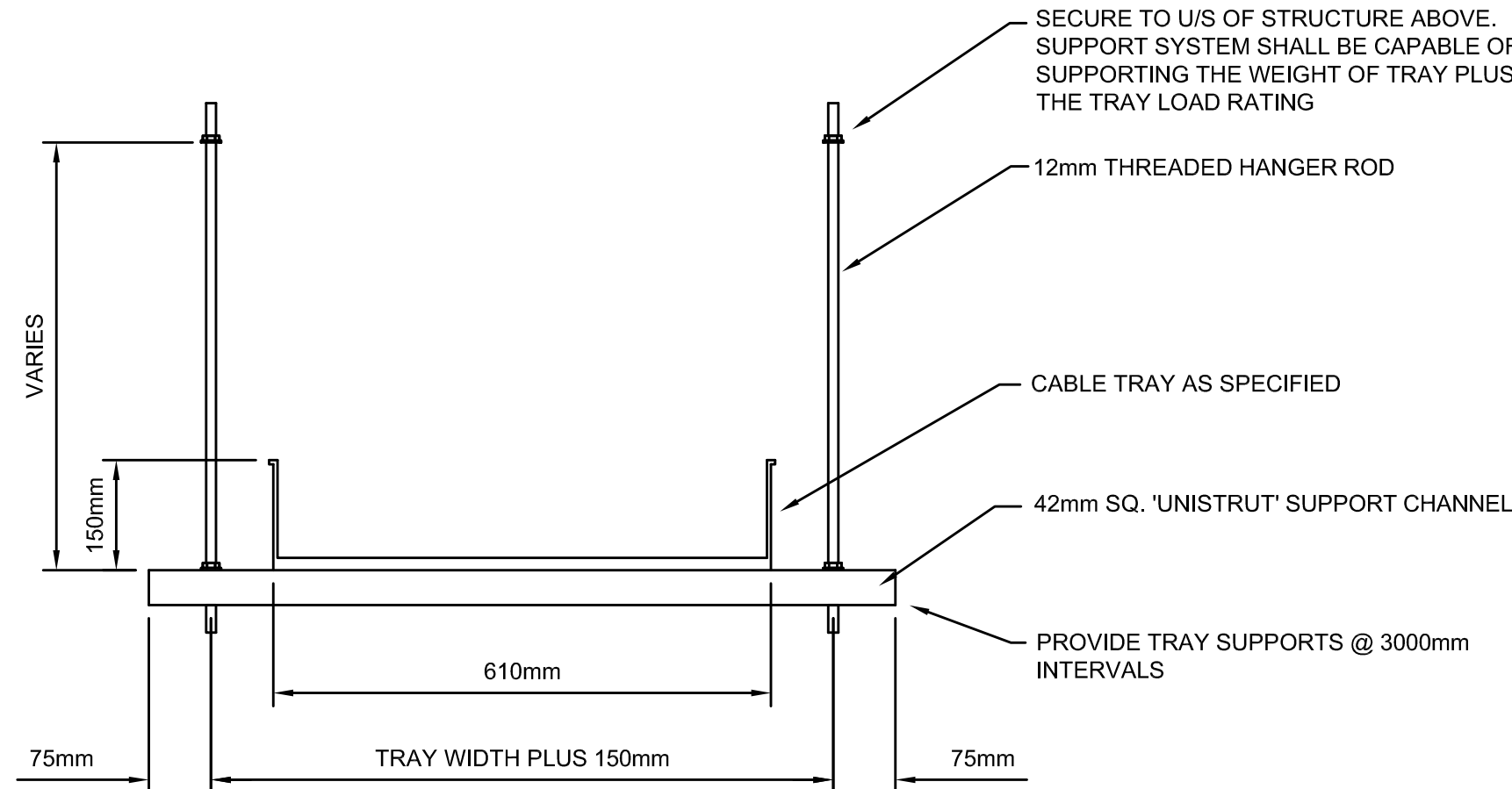


MAIN FLOOR CABLE TRAY AND DATA CONDUIT PLAN NOTE LEGEND:

- NEW SECTION OF CABLE TRAY. INSTALL AT SIMILAR HEIGHT OF EXISTING CABLE TRAY. APPROXIMATELY 3200mm A.F.F. PROVIDE FITTINGS AS REQUIRED TO CONNECT NEW SECTION OF CABLE TRAY TO EXISTING SECTIONS.
- EXISTING CABLE TRAY SECTION SHALL BE CUT AND REMOVED AT THIS LOCATION. REMOVE ALL SUPPORTS SUSPENDED FROM STRUCTURE ABOVE.
- PATHWAY SLEEVE SHALL BE REMOVED AND FIRE SEPARATION SHALL BE REPAIRED.
- NOT USED.
- NOT USED.
- EXISTING CABLE TRAY SECTION SHALL BE CUT AND REMOVED TO ALLOW CONSTRUCTION OF NEW SEPARATION. PROVIDE FIRE RATED PATHWAY SLEEVE FOR COMMUNICATIONS CABLES TO PASS THROUGH.
- HATCHING INDICATES EXISTING CABLE TRAY IN CEILING SPACE. CONNECT NEW SECTIONS OF CABLE TRAY TO EXISTING.
- STOP CABLE TRAY ON BOTH SIDES OF EXISTING BLOCK WALL. PROVIDE 3-103mm CONDUITS STUBS THROUGH BLOCK WALL TO ALLOW CABLEING TO PASS THROUGH. REFER TO ARCHITECTURAL AND STRUCTURAL DETAILS OF AREA FOR EXACT CONDUIT LOCATION AND SPACING.
- PROVIDE COMMUNICATIONS CABLING ROUTING HOOKS ON 1525mm x1525mm SPACING BETWEEN GRIDLINES '9' AND '11' AND 'L' AND 'K' AND BETWEEN EXISTING CABLE TRAY SECTIONS. COMMUNICATIONS CABLING HOOKS SHALL BE SECURED TO UNDERSIDE OF STRUCTURE ABOVE.
- PROVIDE COMMUNICATIONS CABLING ROUTING HOOKS ON 1525mm x1525mm SPACING BETWEEN GRIDLINE '9' AND EAST TENANT DEMISING WALL AND GRIDLINES 'K' AND 'H' AND BETWEEN EXISTING CABLE TRAY SECTIONS. COMMUNICATIONS CABLING HOOKS SHALL BE SECURED TO UNDERSIDE OF STRUCTURE ABOVE.
- PROVIDE COMMUNICATIONS CABLING ROUTING HOOKS ON 1525mm x1525mm SPACING BETWEEN GRIDLINES '9' AND '8' AND GRIDLINE 'J' AND NORTH TENANT DEMISING WALL AND BETWEEN EXISTING CABLE TRAY SECTIONS. COMMUNICATIONS CABLING HOOKS SHALL BE SECURED TO UNDERSIDE OF STRUCTURE ABOVE.

MAIN FLOOR CABLE TRAY AND DATA CONDUIT PLAN NOTE LEGEND:

- EXISTING CABLE TRAY SECTION SHALL REMAIN. PROTECT DURING WORK IN CEILING SPACE BY MECHANICAL CONTRACTOR.
- NOT USED.
- PROVIDE COMMUNICATIONS CABLING ROUTING HOOKS ON 1525mm x1525mm SPACING BETWEEN GRIDLINES '3' AND '5' AND 'L' AND 'K' AND BETWEEN EXISTING CABLE TRAY SECTIONS. COMMUNICATIONS CABLING HOOKS SHALL BE SECURED TO UNDERSIDE OF STRUCTURE ABOVE.
- PROVIDE COMMUNICATIONS CABLING ROUTING HOOKS ON 1525mm x1525mm SPACING AT ROOMS 150.9, 150.10 AND 150.12 TO NEW CABLE TRAY SECTION. COMMUNICATIONS CABLING HOOKS SHALL BE SECURED TO UNDERSIDE OF STRUCTURE ABOVE.
- PROVIDE COMMUNICATIONS CABLING ROUTING HOOKS ON 1525mm x1525mm SPACING FROM EAST WALL OF 150.16 TO WEST WALL OF 150.17 AND BETWEEN GRIDLINE 'L' AND NORTH TENANT DEMISING WALL TO NEW CABLE TRAY. COMMUNICATIONS CABLING HOOKS SHALL BE SUSPENDED FROM STRUCTURE ABOVE WITH THREADED ROD AND SPRING CLIPS.
- PROVIDE COMMUNICATIONS CABLING ROUTING HOOKS ON 1525mm x1525mm SPACING IN ROOMS 150.15 TO NEW CABLE TRAY SECTION. COMMUNICATIONS CABLING HOOKS SHALL BE SUSPENDED FROM STRUCTURE ABOVE WITH THREADED ROD AND SPRING CLIPS.



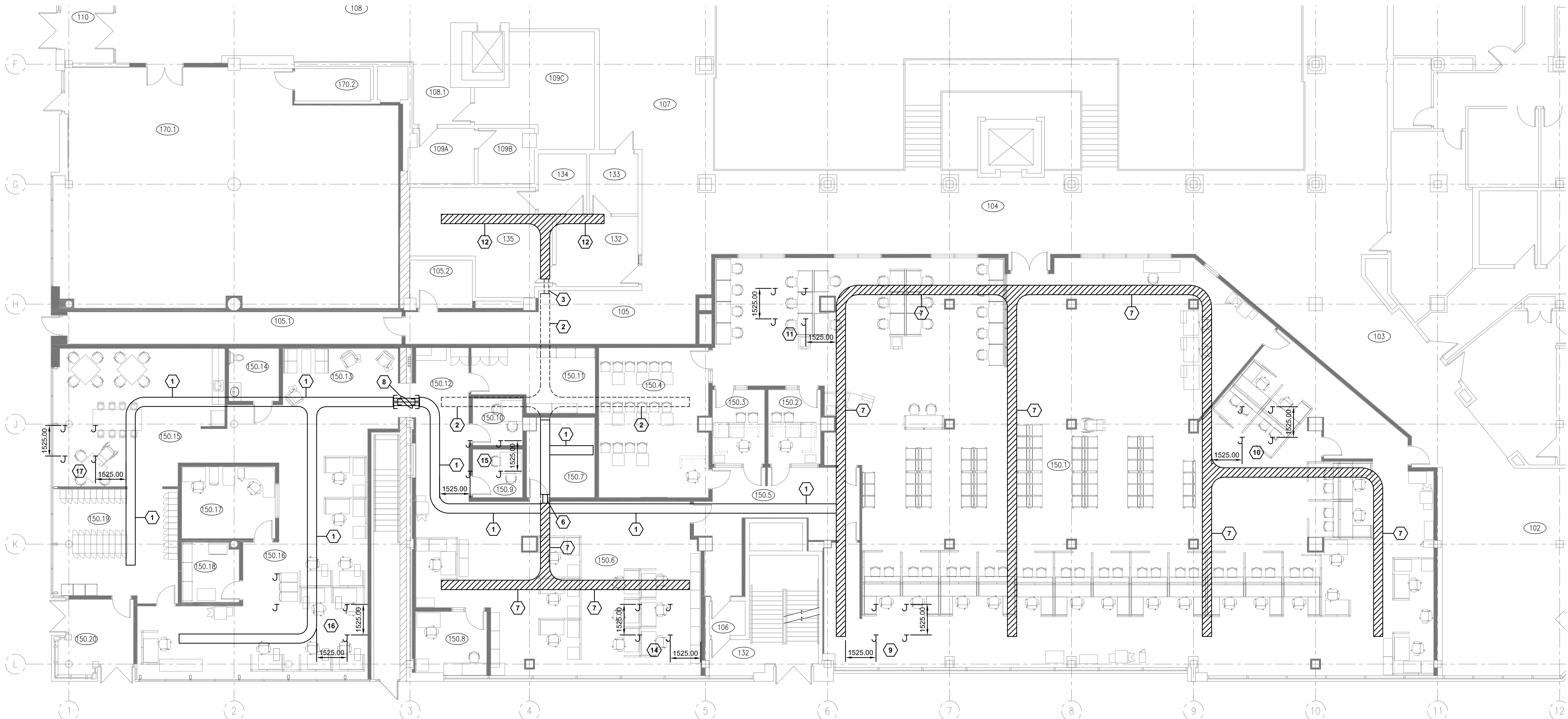
CABLE TRAY SUSPENSION DETAIL GENERAL NOTES

COORDINATE CABLE TRAY INSTALLATION WITH ALL DUCTWORK, PLUMBING LINES AND SPRINKLER LINES. ADJUST SUSPENSION HEIGHT AS REQUIRED TO MAINTAIN ADEQUATE SERVICING CLEARANCE FOR ALL EQUIPMENT.

ALL HORIZONTAL ELBOWS SHALL BE MINIMUM 300mm RADIUS.

PROVIDE ALL NECESSARY FITTINGS AND HARDWARE TO GIVE A COMPLETE AND FUNCTIONAL SYSTEM.

2 | CABLE TRAY SUSPENSION DETAIL
E2.6 | NTS



1 | MAIN FLOOR CABLE TRAY AND DATA CONDUIT PLAN
E2.6 | 1:100

ASSOCIATION OF PROFESSIONAL ENGINEERS
OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
ALFA ENGINEERING LTD.
NUMBER 14
PERMISSION TO CONSULT HELD BY:
DISCIPLINE: ELECTRICAL 6438
SIGNATURE: [Signature]



DO NOT SCALE DRAWINGS

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#	ISSUED FOR TENDER	2021/03/17
Revision/ Revision	Description/Description	Date/Date

Client/client
**PUBLIC WORKS AND
GOVERNMENT SERVICES
CANADA**

Project title/Titre du projet
**1783 HAMILTON STREET
REGINA, SASKATCHEWAN**

**ESDC - PPT REGINA
AMALGAMATION**

Approved by/Approuvé par
BCN
Designed by/Concept par
PLJ
Drawn by/Dessiné par
PLJ
PWGSC Project Manager/Administrateur de Projets TPSGC
JEAN-PHILIPPE BLOUIN
PWGSC Architectural and Engineering Resources Manager/
Ressources Architecturales et d'Ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin
**MAIN FLOOR
CABLE TRAY AND CONDUIT PLAN**

Project No./No. du projet R.060346	Sheet/Feuille E2.6 OF 18	Revision no./ La Révision no.
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WIRELESS LOW VOLTAGE LIGHTING CONTROL SYSTEM ZONE SCHEDULE				
CONTROL ZONE NUMBER	ROOM NUMBER(S)	LIGHTING CONTROL PANEL	QUANTITY OF LOAD CONTROLLERS AND/OR DIMMING MODULES	CONTROL DEVICE
LZ-1	150.1	LCP-1	1	DAYLIGHT SENSOR, 0-10V DIMMING, L.V. SWITCH
LZ-2	150.1	LCP-1	1	DAYLIGHT SENSOR, 0-10V DIMMING, L.V. SWITCH
LZ-3	150.1	LCP-1	1	0-10V DIMMING, L.V. SWITCH
LZ-4	150.1	LCP-1	1	0-10V DIMMING, L.V. SWITCH
LZ-5	150.1	LCP-1	1	0-10V DIMMING, L.V. SWITCH
LZ-6	150.1	LCP-1	1	0-10V DIMMING, L.V. SWITCH
LZ-7	150.2	LCP-1	1	WALL OCCUPANCY SENSOR SWITCH
LZ-8	150.3	LCP-1	1	WALL OCCUPANCY SENSOR SWITCH
LZ-9	150.5	LCP-1	1	CEILING OCCUPANCY SENSOR, 0-10V DIMMING
LZ-10	150.4	LCP-2	1	CEILING OCCUPANCY SENSOR, 0-10V DIMMING, LV DIMMING SWITCH
LZ-11	150.4	LCP-2	1	CEILING OCCUPANCY SENSOR, 0-10V DIMMING, LV DIMMING SWITCH
LZ-12	150.6	LCP-2	1	DAYLIGHT SENSOR, 0-10V DIMMING, L.V. SWITCH
LZ-13	150.6, 150.12	LCP-2	1	L.V. SWITCH
LZ-14	150.8	LCP-2	1	WALL OCCUPANCY SENSOR SWITCH, 0-10V DIMMING, DAYLIGHT SENSOR
LZ-15	150.9	LCP-2	1	WALL OCCUPANCY SENSOR SWITCH
LZ-16	150.10	LCP-2	1	WALL OCCUPANCY SENSOR SWITCH
LZ-17	150.11	LCP-2	1	CEILING OCCUPANCY SENSOR
LZ-18	150.16	LCP-3	1	DAYLIGHT SENSOR, 0-10V DIMMING, L.V. SWITCH
LZ-19	150.13, 150.16	LCP-3	1	L.V. SWITCH
LZ-20	150.17	LCP-3	1	CEILING OCCUPANCY SENSOR
LZ-21	150.18	LCP-3	1	WALL OCCUPANCY SENSOR SWITCH
LZ-22	150.19	LCP-3	1	DAYLIGHT SENSOR, 0-10V DIMMING, L.V. SWITCH
LZ-23	150.15	LCP-3	1	DAYLIGHT SENSOR, 0-10V DIMMING, L.V. SWITCH
LZ-24	150.15	LCP-3	1	0-10V DIMMING, L.V. SWITCH
LZ-25	150.15	LCP-3	1	L.V. SWITCH
LZ-26	150.14	LCP-3	1	WALL OCCUPANCY SENSOR SWITCH
LZ-27	150.2	LCP-3	1	CEILING OCCUPANCY SENSOR, 0-10V DIMMING

LIGHTING CONTROL - SEQUENCE OF OPERATION		
SPACE TYPE	LIGHTING ZONES	SEQUENCE OF OPERATION:
ROOMS 150.1, 150.6, 150.16, 150.19, 105.15	LZ-1, LZ-2, LZ-12, LZ-18, LZ-22, LZ-23	ON: THE LIGHTS ARE TURNED ON THROUGH THE USE OF THE AREA LOW VOLTAGE SWITCH. ADJUST: THE LIGHT LEVELS ARE RAISED/LOWERED THROUGH THE USE OF THE LOCAL DAYLIGHT SENSOR. LIGHTING LEVELS AT DESK LEVEL SHALL BE CONSISTENTLY 50 FOOTCANDLES. ALL LIGHT FIXTURES CONNECTED TO THE EMERGENCY POWER SYSTEM SHALL IMMEDIATELY RISE TO 100% OUTPUT IN THE EVENT OF POWER FAILURE. OFF: THE LIGHTS ARE TURNED OFF THROUGH THE USE OF THE AREA LOW VOLTAGE SWITCH OR THROUGH THE EXISTING LIGHTING CONTROL SOFTWARE.
ROOMS 150.1, 150.6, 150.12, 150.15	LZ-13, LZ-19, LZ-24, LZ-25	ON: THE LIGHTS ARE TURNED ON THROUGH THE USE OF THE AREA LOW VOLTAGE SWITCH. OFF: THE LIGHTS ARE TURNED OFF THROUGH THE USE OF THE AREA LOW VOLTAGE SWITCH OR THROUGH THE EXISTING LIGHTING CONTROL SOFTWARE.
ROOMS 150.1	LZ-3, LZ-4, LZ-5, LZ-6	ON: THE LIGHTS ARE TURNED ON THROUGH THE USE OF THE AREA LOW VOLTAGE SWITCH. ADJUST: THE LIGHT LEVELS ARE PRESET PRIOR TO OCCUPANCY THROUGH THE USE OF THE LIGHTING CONTROL SOFTWARE. ALL LIGHT FIXTURES CONNECTED TO THE EMERGENCY POWER SYSTEM SHALL IMMEDIATELY RISE TO 100% OUTPUT IN THE EVENT OF POWER FAILURE. OFF: THE LIGHTS ARE TURNED OFF THROUGH THE USE OF THE AREA LOW VOLTAGE SWITCH OR THROUGH THE EXISTING LIGHTING CONTROL SOFTWARE.
ROOMS 150.2, 150.3, 150.09, 150.10, 150.14, 150.18	LZ-7, LZ-8, LZ-15, LZ-16, LZ-21, LZ-26	ON: THE LIGHTS ARE TURNED ON THROUGH THE USE OF THE ROOM OCCUPANCY SENSOR SWITCH. OFF: THE LIGHTS ARE TURNED OFF AUTOMATICALLY AFTER 15 MINUTES OF NO ACTIVITY DETECTED BY ROOM OCCUPANCY SENSOR SWITCH OR THROUGH THE EXISTING LIGHTING CONTROL SOFTWARE.
ROOM 150.5, 150.2	LZ-9, LZ-27	EMERGENCY LIGHT FIXTURES IN LOBBY SHALL NOT BE CONTROLLED BY THE USE OF THE LOW VOLTAGE LIGHTING CONTROL SYSTEM BUT SHALL BE CONTINUOUSLY ILLUMINATED AS REQUIRED BY NBC TO ACHIEVE MINIMUM LIGHTING REQUIREMENTS OF A CORRIDOR PROVIDING ACCESS TO EXIT. ADJUST: THE LIGHT FIXTURES SHALL AUTOMATICALLY DIM TO 50% IF NO ACTIVITY IS DETECTED BY ROOM OCCUPANCY SENSORS. THE LIGHT FIXTURES SHALL AUTOMATICALLY RAISE TO 100% IF ACTIVITY IS DETECTED BY ROOM OCCUPANCY SENSORS. OFF: THE LIGHTS SHALL NOT BE TURNED OFF.
ROOM 150.4	LZ-10, LZ-11	ON: THE LIGHTS ARE TURNED ON THROUGH THE USE OF THE CEILING OCCUPANCY SENSOR. ADJUST: THE LIGHTING LEVELS ARE ADJUSTED (RAISE/LOWER) THROUGH THE USE OF THE LOW VOLTAGE SWITCH. OFF: THE LIGHTS ARE TURNED OFF AUTOMATICALLY AFTER 15 MINUTES OF NO ACTIVITY DETECTED BY CEILING OCCUPANCY SENSOR OR THROUGH THE EXISTING LIGHTING CONTROL SOFTWARE.
ROOM 150.8	LZ-14	ON: THE LIGHTS ARE TURNED ON THROUGH THE USE OF THE ROOM OCCUPANCY SENSOR SWITCH. ADJUST: THE LIGHT LEVELS ARE RAISED/LOWERED THROUGH THE USE OF THE LOCAL DAYLIGHT SENSOR. LIGHTING LEVELS AT DESK LEVEL SHALL BE CONSISTENTLY 50 FOOTCANDLES. OFF: THE LIGHTS ARE TURNED OFF AUTOMATICALLY AFTER 15 MINUTES OF NO ACTIVITY DETECTED BY ROOM OCCUPANCY SENSOR SWITCH OR THROUGH THE EXISTING LIGHTING CONTROL SOFTWARE.
ROOMS 150.11, 150.17	LZ-17, LZ-20	ON: THE LIGHTS ARE TURNED ON THROUGH THE USE OF THE CEILING OCCUPANCY SENSOR. OFF: THE LIGHTS ARE TURNED OFF AUTOMATICALLY AFTER 15 MINUTES OF NO ACTIVITY DETECTED BY CEILING OCCUPANCY SENSOR OR THROUGH THE EXISTING LIGHTING CONTROL SOFTWARE.

- WIRELESS LIGHTING CONTROL SYSTEM NOTES:**
- NEW EQUIPMENT SHALL BE COMPATIBLE WITH AND CONTROLLED BY THE EXISTING OSRAM ENCELUM LIGHTING CONTROL SYSTEM EQUIPMENT AND SOFTWARE .
 - SYSTEM SHALL UTILIZE DISTRIBUTED WIRELESS DIMMING RELAYS / LOAD CONTROLLERS. LOCATIONS OF RELAYS SHALL BE DETERMINED ON SITE PRIOR TO INSTALLATION. PROVIDE NUMBER OF LOAD CONTROLLERS AS PER WIRELESS LIGHTING CONTROL SYSTEM ZONE SCHEDULE.
 - REFER TO WIRELESS LIGHTING CONTROL SYSTEM ZONE SCHEDULE AND LIGHTING CONTROL - SEQUENCE OF OPERATION FOR ADDITIONAL SYSTEM REQUIREMENTS.
 - CONFIRM ALL WIRING REQUIREMENTS WITH THE SYSTEMS SUPPLIER PRIOR TO ROUGH-IN.
 - ELECTRICAL CONTRACTOR AND MANUFACTURER'S AUTHORIZED REPRESENTATIVE SHALL INCLUDE FOUR (4) HOURS GROUP COMMISSIONING TIME FOR ARCHITECT, ENGINEER AND TENANT TO SELECT SCENE DIMMING LEVELS.
 - INITIAL SYSTEM SETUP SHALL BE COMPLETE PRIOR TO GROUP COMMISSIONING SUCH THAT SYSTEM IS FULLY FUNCTIONAL. AFTER GROUP COMMISSIONING, SYSTEM SHALL BE COMPLETED BASED ON FINAL ARCHITECT, ENGINEER AND OWNER INPUT FOR DIMMING LEVELS AND ZONE GROUPING FOR SCENES.
 - PROVIDE A CERTIFICATE OF VERIFICATION FROM THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE. THE CERTIFICATE SHALL CONFIRM THAT THE SYSTEM HAS BEEN INSPECTED BY THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE, HAS BEEN INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATIONS AND IS FULLY OPERATIONAL.
 - PROVIDE FOR ONE (1) THREE (3) HOUR TRAINING SESSION IN WHICH THE MANUFACTURER'S AUTHORIZED FACTORY REPRESENTATIVE SHALL INSTRUCT THE OWNER'S REPRESENTATIVE IN SYSTEM OPERATION, MAINTENANCE AND SETUP. ARRANGE FOR THE VIDEO RECORDING OF THE TRAINING SESSION. DELIVER A COPY OF THE VIDEO IN DVD FORMAT AND ON USB FLASH DRIVE TO THE OWNER. TRAINING SESSIONS SHALL BE ARRANGED BY THE CONTRACTOR AT A TIME REQUESTED BY THE OWNER. PROVIDE AN ATTENDANCE SHEET SIGNED BY ALL ATTENDEES AT EACH TRAINING SESSION.
 - SIX (6) MONTHS AFTER SUBSTANTIAL PERFORMANCE THE MANUFACTURER'S AUTHORIZED REPRESENTATIVE SHALL ARRANGE A POST OCCUPANCY REVIEW WITH THE OWNER, ARCHITECT, AND ENGINEER TO DISCUSS SYSTEM OPERATION AND MAKE PROGRAMMING CHANGES. PROVIDE EIGHT (8) HOURS OF POST OCCUPANCY SOFTWARE REVISION TIME.
- APPROVED MANUFACTURERS AND SUBMISSIONS:**
- LUTRON VIVE, ACUTY ALIGHT AND CRESTRON ZUM ARE APPROVED MANUFACTURERS FOR THE SUPPLY OF THE DIMMING SYSTEM PROVIDED THE FOLLOWING INFORMATION IS SUPPLIED TO THE ENGINEER DURING THE SPECIFIED, 'REQUEST FOR APPROVAL' PERIOD PRIOR TO TENDER CLOSE:
- DETAILED SCHEMATIC OF PROPOSED SYSTEM SHOWING EACH DEVICE.
 - DETAILED BILL OF MATERIAL BROKEN-DOWN ITEM BY ITEM.
 - DETAILED WIRING DIAGRAM IDENTIFYING EACH CONDUCTOR OR CABLE.
 - DATA SHEET FOR EACH DEVICE.
 - CONFIRMATION OF COMPATIBILITY WITH ALL DIMMING TYPES AND SCREW-IN DIMMING LAMPS.
- INCOMPLETE SUBMISSIONS WILL BE RETURNED 'NOT APPROVED'. COMPLIANT SUBMISSIONS WILL BE RETURNED 'APPROVED'.

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#	ISSUED FOR TENDER	202103/17
Revision/	Description/Description	Date/Date

Client/client

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet
1783 HAMILTON STREET
REGINA, SASKATCHEWAN

ESDC - PPT REGINA AMALGAMATION

Approved by/Approuvé par
BCN

Designed by/Concept par
PLJ

Drawn by/Dessiné par
PLJ

PWSC Project Manager/Administrateur de Projets TPSC
JEAN-PHILIPPE BLOUIN

PWSC Architectural and Engineering Resources Manager/
Ressources Architecturales et de Directeur d'ingénierie, TPSC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin

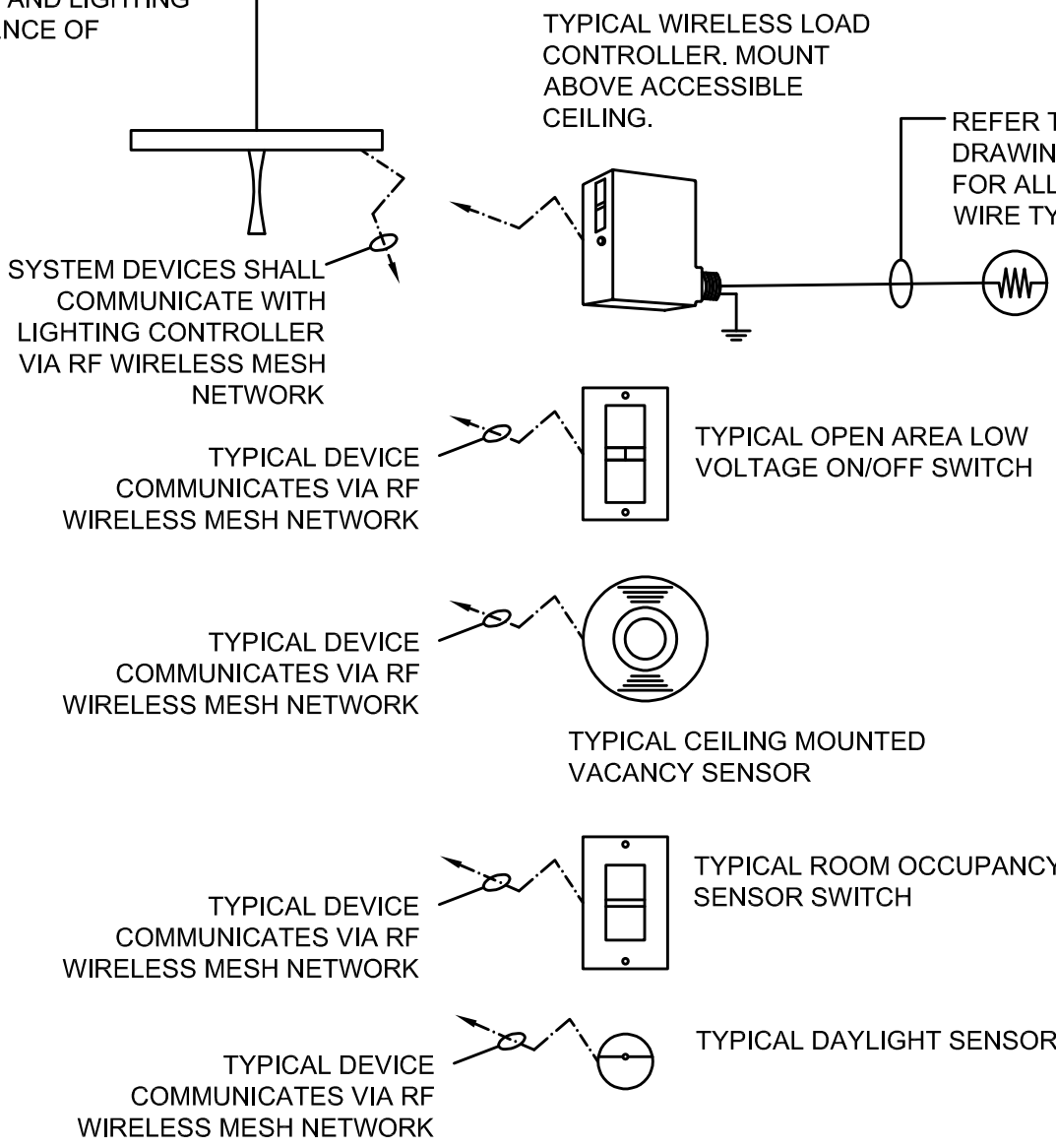
WIRELESS LIGHTING CONTROL SYSTEM DETAILS

Project No./No. du projet
R.060346

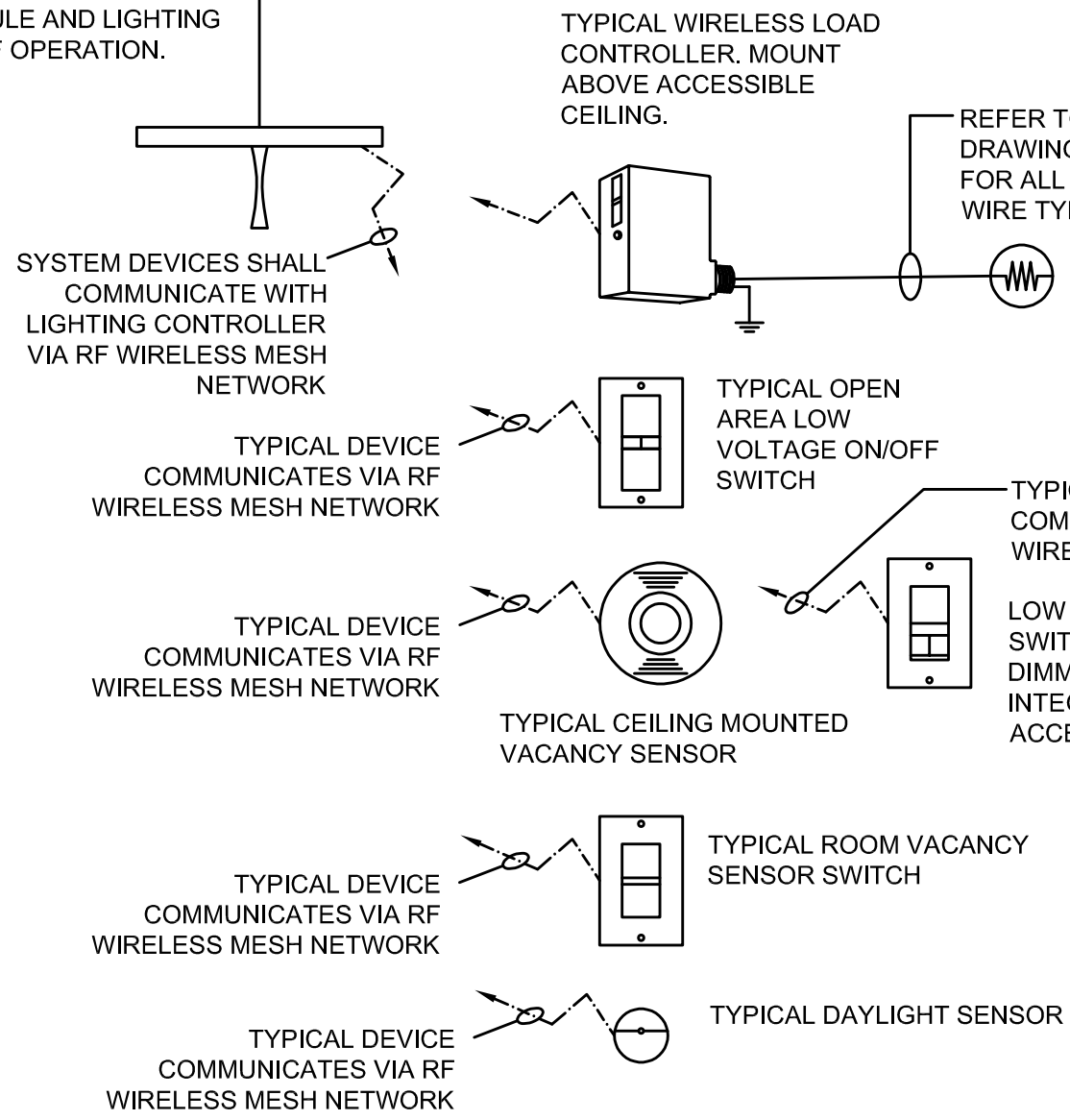
Sheet/Feuille
E3.1
OF 18

Revision no./
no. de révision

HEAD END LIGHTING CONTROLLER 'LCP-1' CEILING MOUNTED (OR ABOVE CEILING). REFER TO LOW VOLTAGE LIGHTING CONTROL ZONE SCHEDULE AND LIGHTING CONTROL SEQUENCE OF OPERATION.



HEAD END LIGHTING CONTROLLER 'LCP-2' CEILING MOUNTED (OR ABOVE CEILING). REFER TO LOW VOLTAGE LIGHTING CONTROL ZONE SCHEDULE AND LIGHTING CONTROL SEQUENCE OF OPERATION.

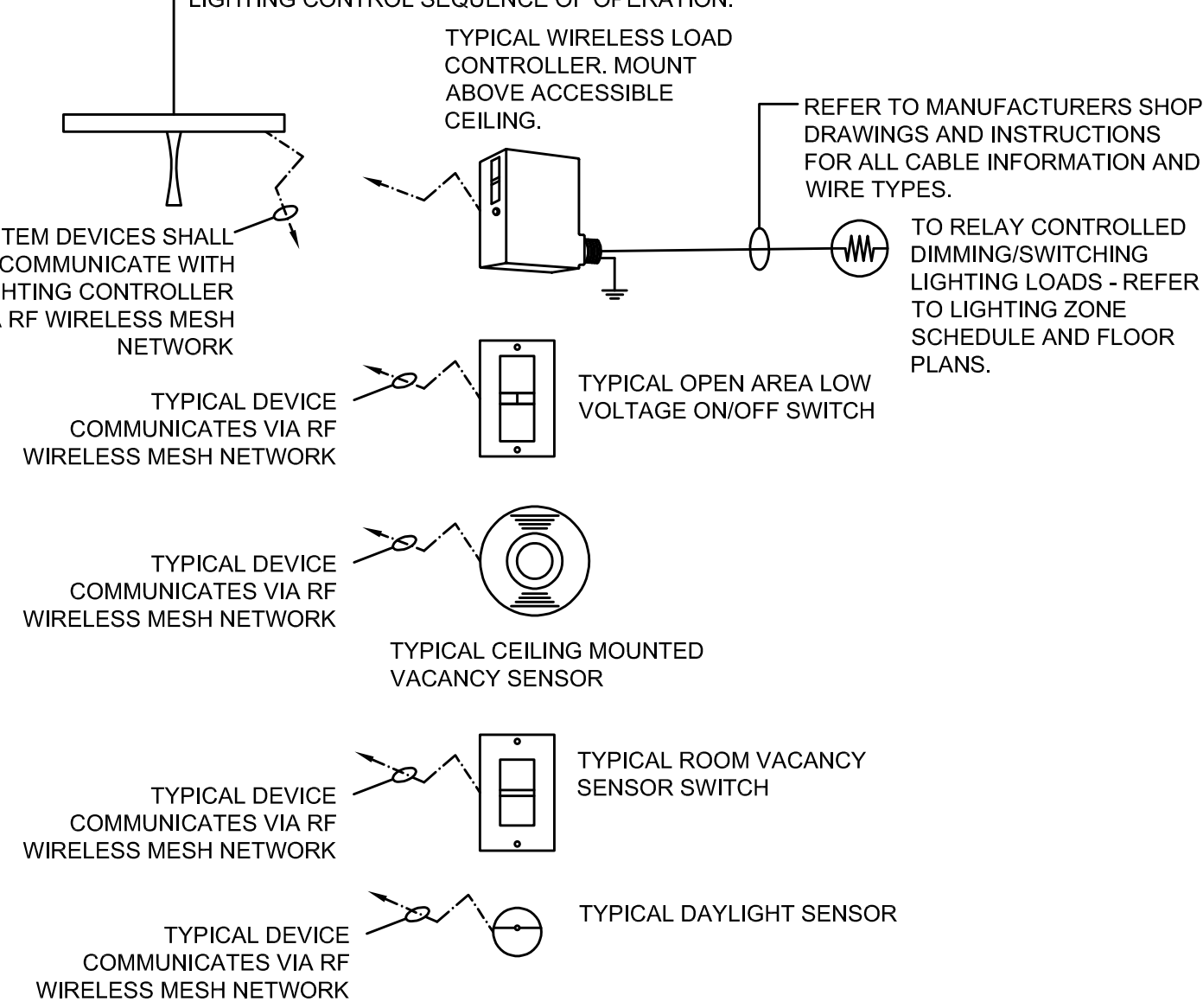


INSTALL NEW WALL MOUNT RACK WITH POE SWITCH AND RACK MOUNT POWER STRIP IN 2ND FLOOR WEST ELECTRICAL ROOM. CONNECT TO EXISTING LIGHTING CONTROL SYSTEM POE SWITCH IN 2ND FLOOR WEST ELECTRICAL ROOM. REFER TO SPECIFICATIONS FOR TYPES.

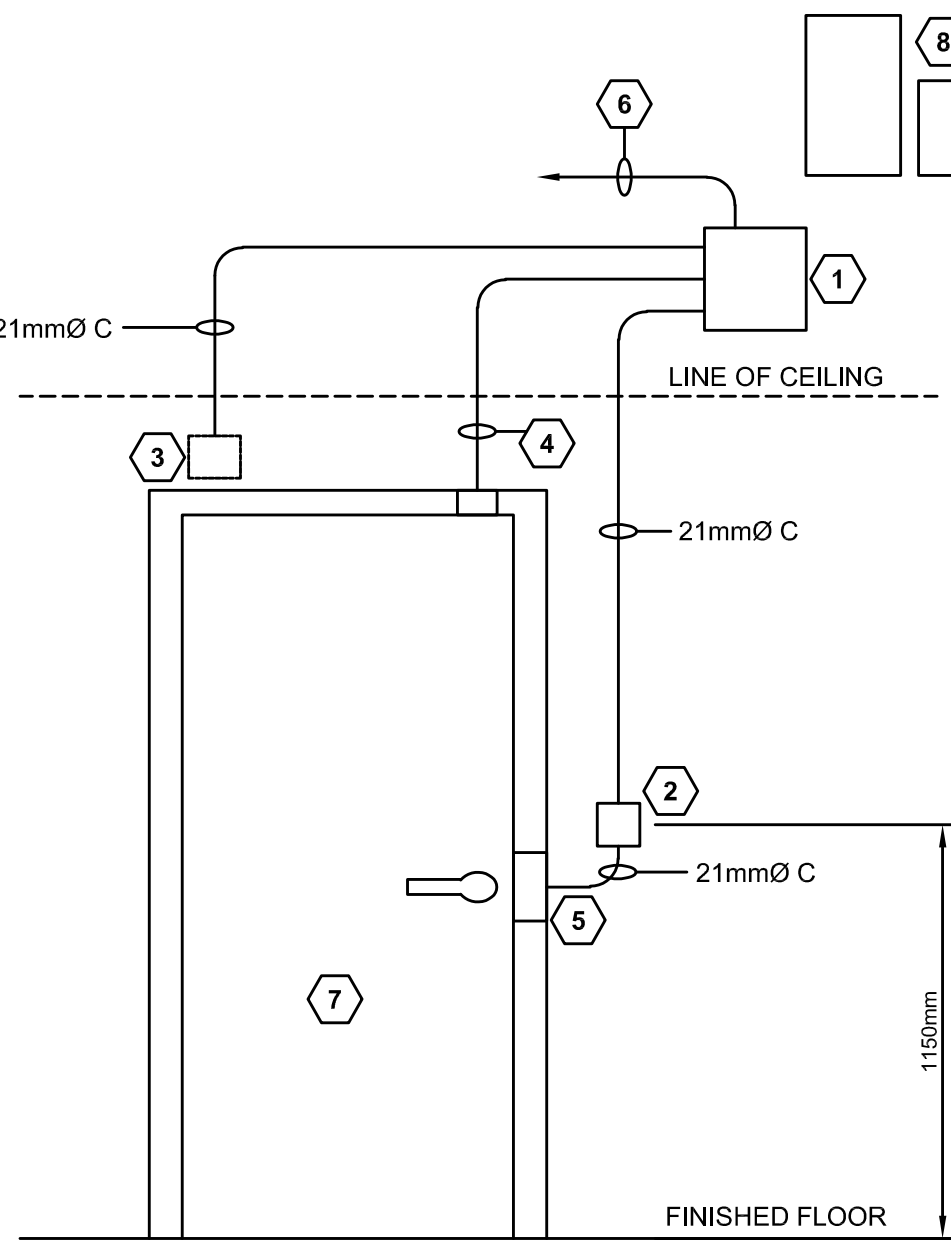
PROVIDE POE CAT 5E CABLE AS SPECIFIED FROM LIGHTING CONTROLLERS TO EXISTING NETWORK LIGHTING CONTROL SYSTEM POE SWITCH IN 2ND FLOOR WEST ELECTRICAL ROOM.

PROVIDE POE CAT 5E CABLE AS SPECIFIED FROM LIGHTING CONTROLLERS TO EXISTING NETWORK LIGHTING CONTROL SYSTEM POE SWITCH IN 2ND FLOOR WEST ELECTRICAL ROOM.

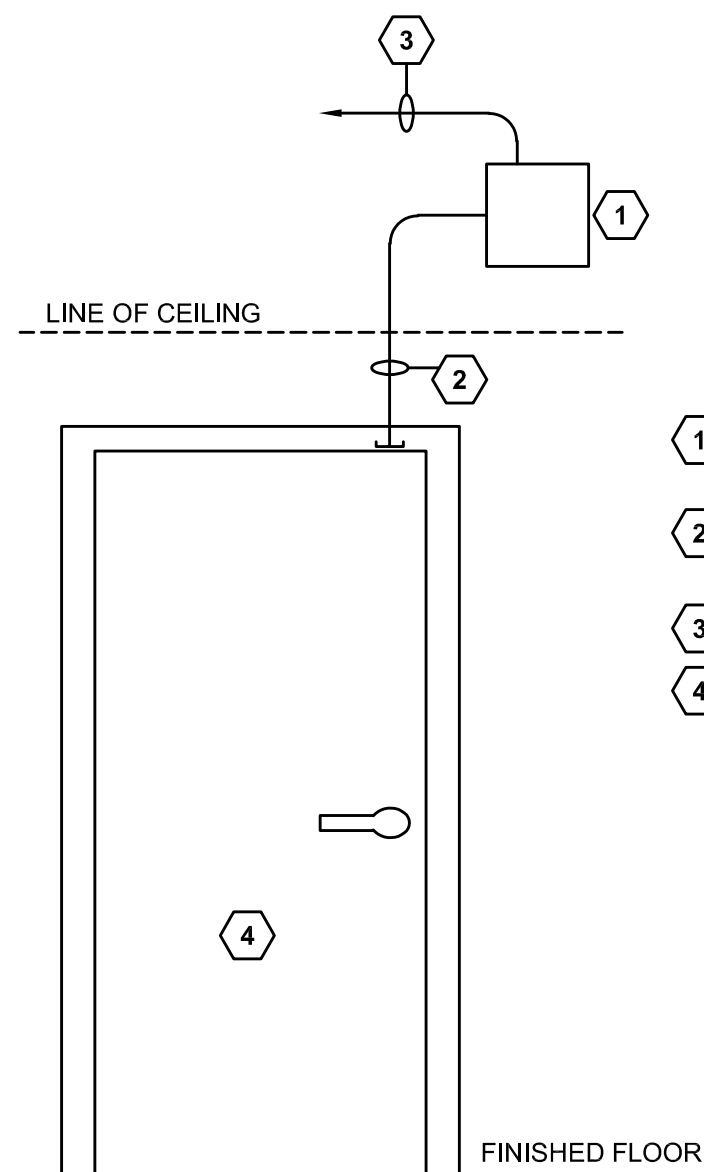
HEAD END LIGHTING CONTROLLER 'LCP-3' CEILING MOUNTED (OR ABOVE CEILING). REFER TO LOW VOLTAGE LIGHTING CONTROL ZONE SCHEDULE AND LIGHTING CONTROL SEQUENCE OF OPERATION.



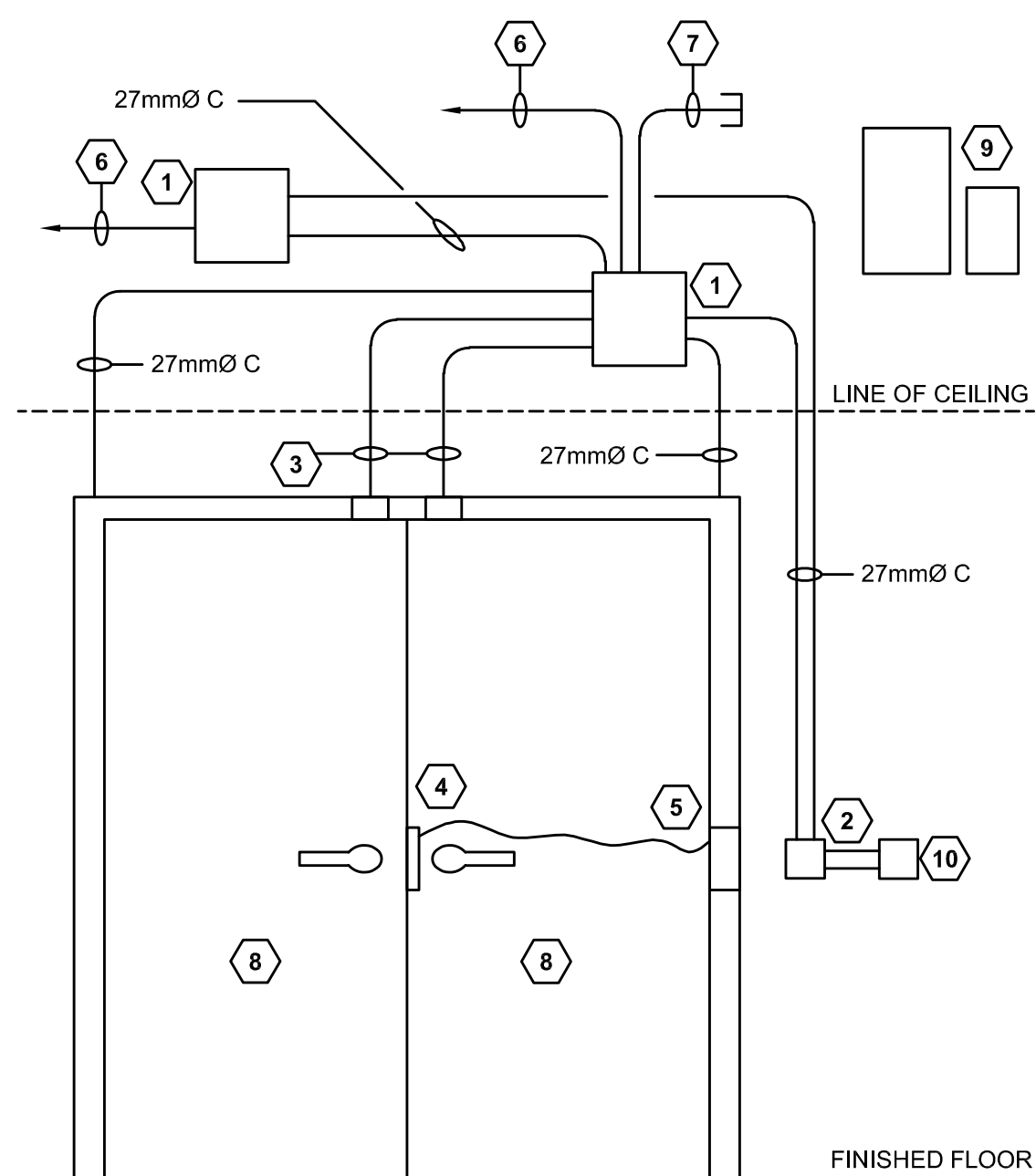
1 | WIRELESS LIGHTING CONTROL SYSTEM SCHEMATIC
E3.1 | NTS



1 | TYPICAL SINGLE DOOR SECURITY ROUGH IN DETAIL
E3.2 | NTS

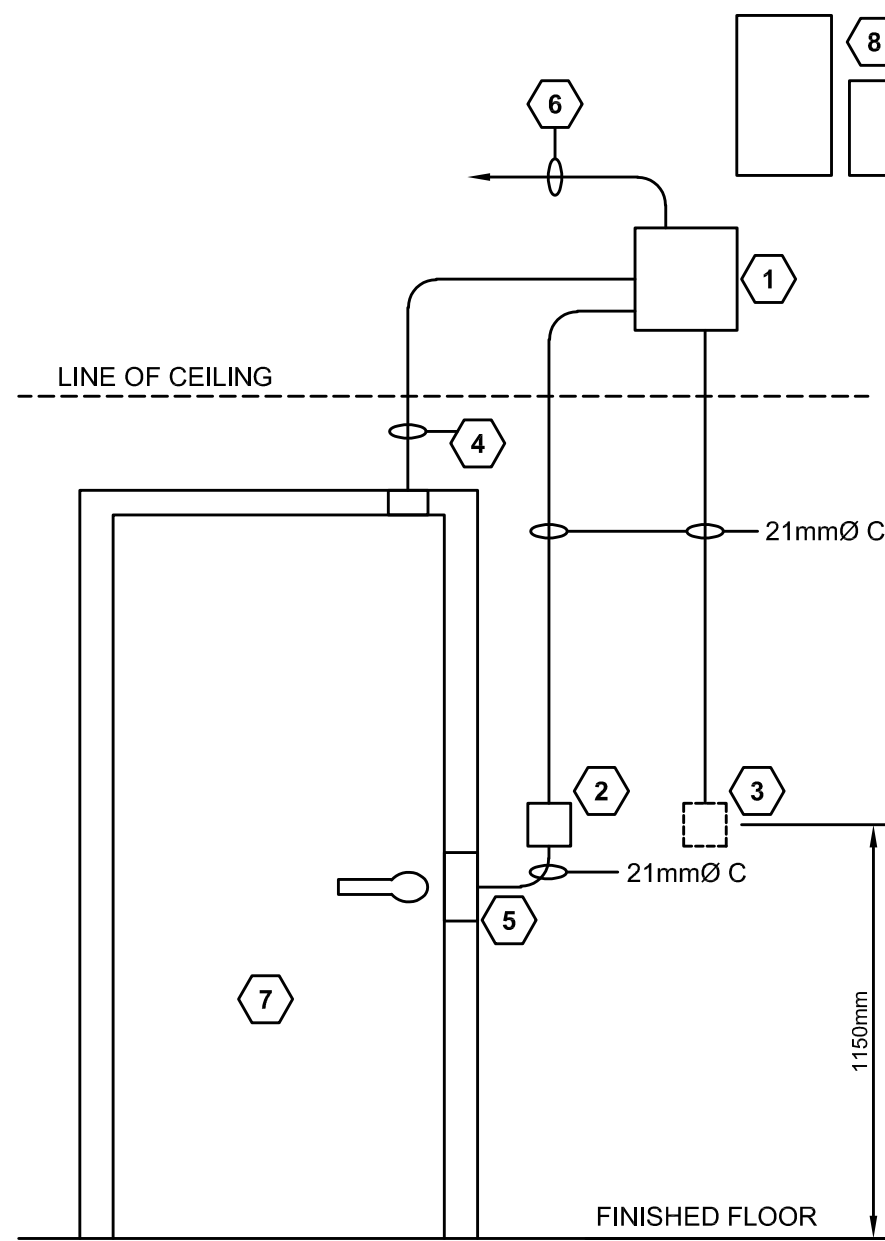


3 | TYPICAL SINGLE EXIT DOOR SECURITY ROUGH IN DETAIL
E3.2 | NTS

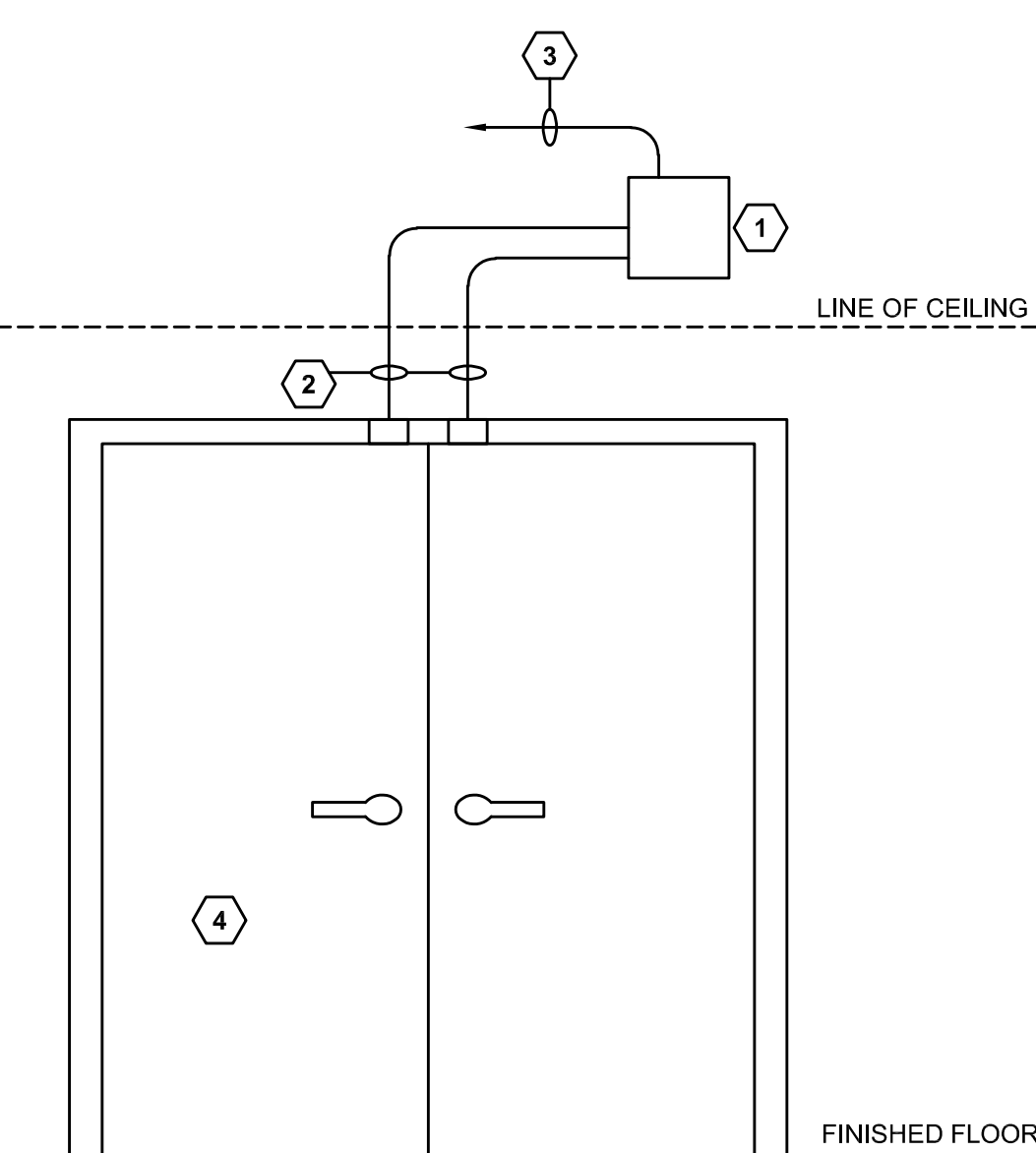


5 | TYPICAL DOUBLE DOOR WITH ACCESSIBLE OPENER SECURITY ROUGH IN DETAIL
E3.2 | NTS

- TYPICAL SINGLE DOOR SECURITY ROUGH IN DETAIL NOTE LEGEND:**
- 300 x 300 x 150mm SQUARE JUNCTION BOX C/W COVERPLATE LOCATED ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR.
 - 100 x 100 x 65mm JUNCTION BOX C/W SINGLE GANG PLASTER RING FOR CARD READER OR KEYPAD. MOUNT ON PUBLIC SIDE OF DOOR.
 - SINGLE GANG OUTLET BOX C/W BLANK COVERPLATE MOUNTED HORIZONTALLY 150mm ABOVE DOOR FRAME FOR REQUEST TO EXIT DEVICE. MOUNT ON SECURE SIDE OF DOOR.
 - 27mm CONDUIT FROM JUNCTION BOX STUBBED INTO LATCH SIDE OF DOOR FRAME FOR PROXIMITY SWITCH MOUNTED IN DOOR FRAME.
 - ELECTRIC STRIKE.
 - 27mm CONDUIT FROM JUNCTION BOX TO NORTH WALL OF 150.7. PROVIDE PRINTED LABEL ON CONDUIT WITH DOOR AND ROOM NUMBER.
 - DOOR. REFER TO ARCHITECTURAL. CONTRACTOR SHALL COORDINATE WITH DOOR SUPPLIER AND INSTALLER PRIOR TO ROUGH-IN.
 - CARD READER CONTROLLER AND ELECTRIC STRIKE POWER SUPPLY. CONFIRM LOCATION OF AND NUMBER OF PIECES OF EQUIPMENT WITH SECURITY INSTALLER. PROVIDE 120V. CONNECTION TO EACH. PROVIDE FIRE ALARM CONNECTION TO EACH SUCH THAT IN THE EVENT OF A FIRE ALARM, THE ELECTRIC STRIKE SHALL RELEASE.
- GENERAL NOTES:**
- CONFIRM ALL REQUIREMENTS WITH THE DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGH-IN.
- CO-ORDINATE ALL ROUGH-IN WITH THE DEPARTMENTAL REPRESENTATIVE'S DOOR SECURITY CONTRACTOR.
- PROVIDE PULL CORDS IN ALL EMPTY CONDUITS.



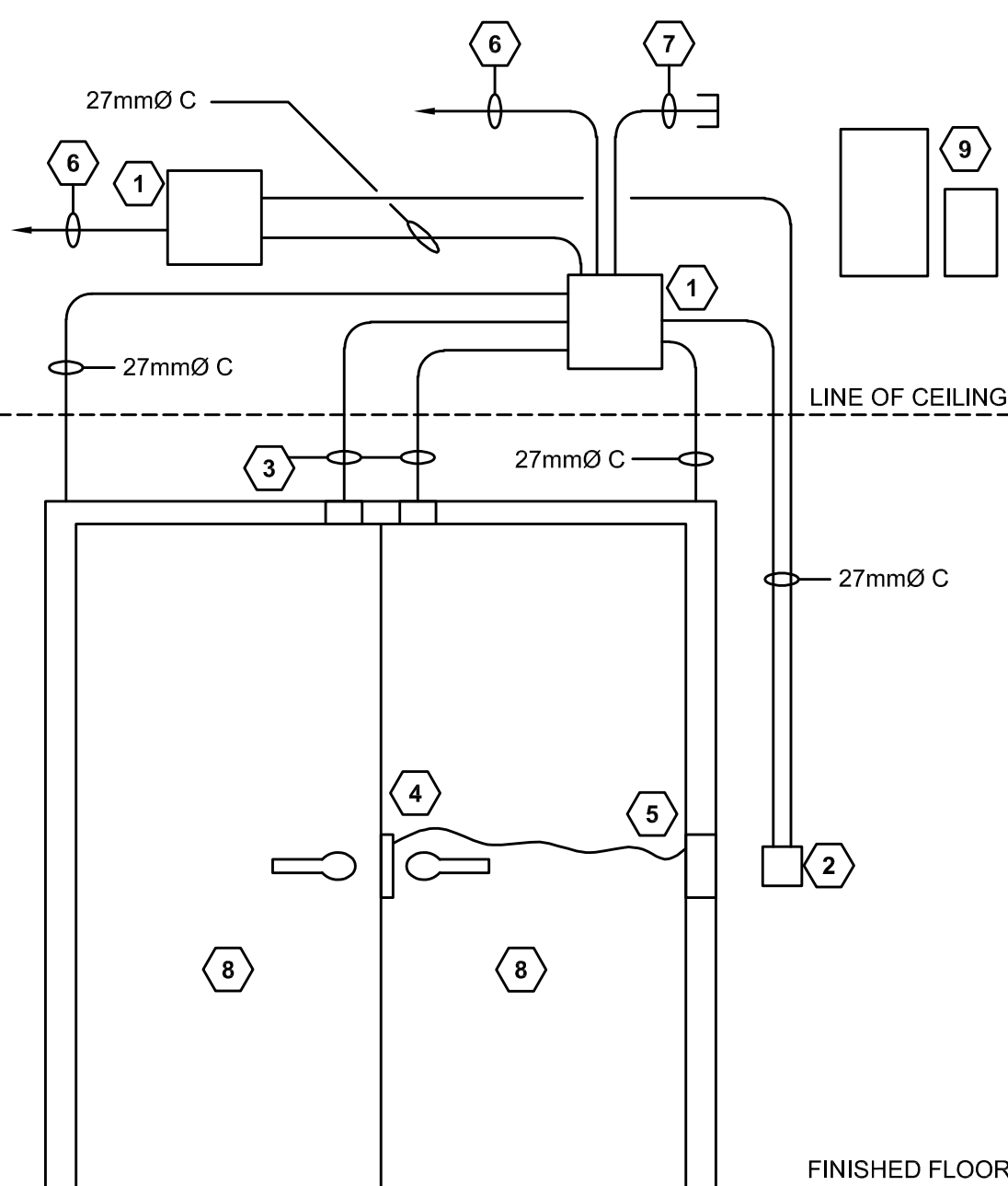
2 | TYPICAL SINGLE DOOR WITH EXIT DEVICE SECURITY ROUGH IN DETAIL
E3.2 | NTS



4 | TYPICAL DOUBLE EXIT DOOR SECURITY ROUGH IN DETAIL
E3.2 | NTS

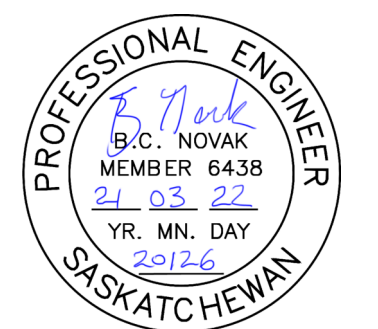
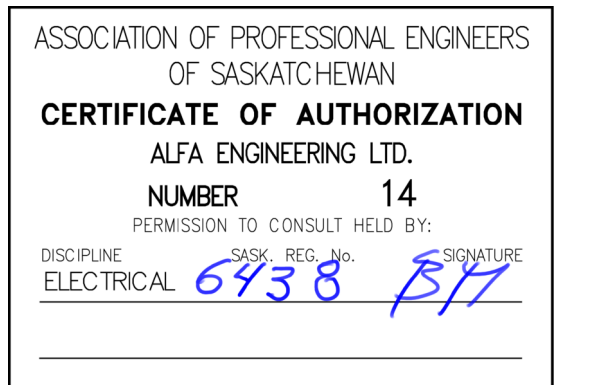
- TYPICAL SINGLE DOOR WITH EXIT DEVICE SECURITY ROUGH IN DETAIL NOTE LEGEND:**
- 300 x 300 x 150mm SQUARE JUNCTION BOX C/W COVERPLATE LOCATED ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR.
 - 100 x 100 x 65mm JUNCTION BOX C/W SINGLE GANG PLASTER RING FOR CARD READER OR KEYPAD. MOUNT ON PUBLIC SIDE OF DOOR.
 - 100 x 100 x 65mm JUNCTION BOX C/W SINGLE GANG PLASTER RING FOR CARD READER OR PUSH TO EXIT DEVICE. MOUNT ON SECURE SIDE OF DOOR.
 - 27mm CONDUIT FROM JUNCTION BOX STUBBED INTO LATCH SIDE OF DOOR FRAME FOR PROXIMITY SWITCH MOUNTED IN DOOR FRAME.
 - ELECTRIC STRIKE.
 - 27mm CONDUIT FROM JUNCTION BOX TO NORTH WALL OF 150.7. PROVIDE PRINTED LABEL ON CONDUIT WITH DOOR AND ROOM NUMBER.
 - DOOR. REFER TO ARCHITECTURAL. CONTRACTOR SHALL COORDINATE WITH DOOR SUPPLIER AND INSTALLER PRIOR TO ROUGH-IN.
 - CARD READER CONTROLLER AND ELECTRIC STRIKE POWER SUPPLY. CONFIRM LOCATION OF AND NUMBER OF PIECES OF EQUIPMENT WITH SECURITY INSTALLER. PROVIDE 120V. CONNECTION TO EACH. PROVIDE FIRE ALARM CONNECTION TO EACH SUCH THAT IN THE EVENT OF A FIRE ALARM, THE ELECTRIC STRIKE SHALL RELEASE.
- GENERAL NOTES:**
- CONFIRM ALL REQUIREMENTS WITH THE DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGH-IN.
- CO-ORDINATE ALL ROUGH-IN WITH THE DEPARTMENTAL REPRESENTATIVE'S DOOR SECURITY CONTRACTOR.
- PROVIDE PULL CORDS IN ALL EMPTY CONDUITS.

- TYPICAL DOUBLE EXIT DOOR SECURITY ROUGH IN DETAIL NOTE LEGEND:**
- 300 x 300 x 150mm SQUARE JUNCTION BOX C/W COVERPLATE LOCATED ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR.
 - 27mm CONDUIT FROM JUNCTION BOX STUBBED INTO LATCH SIDE OF DOOR FRAME FOR PROXIMITY SWITCH MOUNTED IN DOOR FRAME.
 - 27mm CONDUIT FROM JUNCTION BOX TO NORTH WALL OF 150.7.
 - DOOR. REFER TO ARCHITECTURAL. CONTRACTOR SHALL COORDINATE WITH DOOR SUPPLIER AND INSTALLER PRIOR TO ROUGH-IN.
- GENERAL NOTES:**
- CONFIRM ALL REQUIREMENTS WITH THE DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGH-IN.
- CO-ORDINATE ALL ROUGH-IN WITH THE DEPARTMENTAL REPRESENTATIVE'S DOOR SECURITY CONTRACTOR.
- PROVIDE PULL CORDS IN ALL EMPTY CONDUITS.



6 | TYPICAL DOUBLE DOOR SECURITY ROUGH IN DETAIL
E3.2 | NTS

- TYPICAL DOUBLE DOOR SECURITY ROUGH IN DETAIL NOTE LEGEND:**
- 300 x 300 x 150mm SQUARE JUNCTION BOX C/W COVERPLATE LOCATED ABOVE ACCESSIBLE CEILING ON SECURE SIDE OF DOOR.
 - 100 x 100 x 65mm JUNCTION BOX C/W SINGLE GANG PLASTER RING MOUNTED UP 915mm AFF FOR CARD READER OR KEYPAD. MOUNT ON PUBLIC SIDE OF DOOR.
 - 27mm CONDUIT FROM JUNCTION BOX STUBBED INTO LATCH SIDE OF DOOR FRAME FOR PROXIMITY SWITCH MOUNTED IN DOOR FRAME.
 - ELECTRIC STRIKE.
 - ELECTRIC POWER TRANSFER CONNECTION.
 - 27mm CONDUIT FROM JUNCTION BOX TO NORTH WALL OF ROOM 150.7. PROVIDE PRINTED LABEL ON CONDUIT WITH DOOR AND ROOM NUMBER.
 - 27mm CONDUIT FROM JUNCTION BOX TO J-HOOKS LOCATED IN CEILING SPACE.
 - DOOR. REFER TO ARCHITECTURAL. CONTRACTOR SHALL COORDINATE WITH DOOR SUPPLIER AND INSTALLER PRIOR TO ROUGH-IN.
 - CARD READER CONTROLLER AND ELECTRIC STRIKE POWER SUPPLY. CONFIRM LOCATION OF AND NUMBER OF PIECES OF EQUIPMENT WITH SECURITY INSTALLER. PROVIDE 120V. CONNECTION TO EACH. PROVIDE FIRE ALARM CONNECTION TO EACH SUCH THAT IN THE EVENT OF A FIRE ALARM, THE ELECTRIC STRIKE SHALL RELEASE.
- GENERAL NOTES:**
- CONFIRM ALL REQUIREMENTS WITH THE DEPARTMENTAL REPRESENTATIVE PRIOR TO ROUGH-IN.
- CO-ORDINATE ALL ROUGH-IN WITH THE DEPARTMENTAL REPRESENTATIVE'S DOOR SECURITY CONTRACTOR.
- PROVIDE PULL CORDS IN ALL EMPTY CONDUITS.



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Revision/ Révision	Description/Description	Date/Date

Client/client
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project title/Titre du projet
**1783 HAMILTON STREET
REGINA, SASKATCHEWAN**

**ESDC - PPT REGINA
AMALGAMATION**

Approved by/Approuvé par
BCN

Designed by/Concept par
PLJ

Drawn by/Dessiné par
PLJ

PWOSC Project Manager/Administrateur de Projets TPSGC
JEAN-PHILIPPE BLOUIN

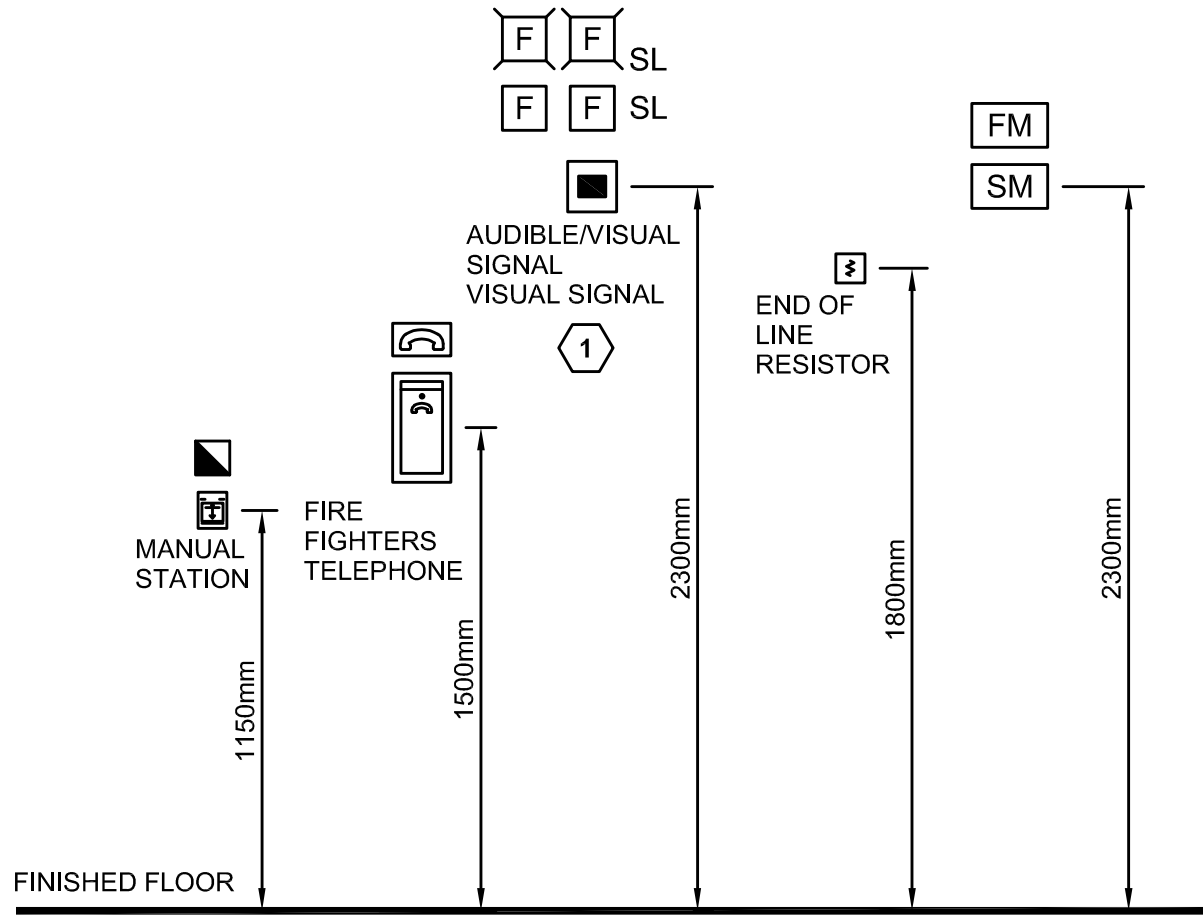
PWOSC Architectural and Engineering Resources Manager/
Ressources Architecturales et de Directeur d'Ingénierie, TPSGC

Client/client
PUBLIC SERVICES AND PROCUREMENT CANADA

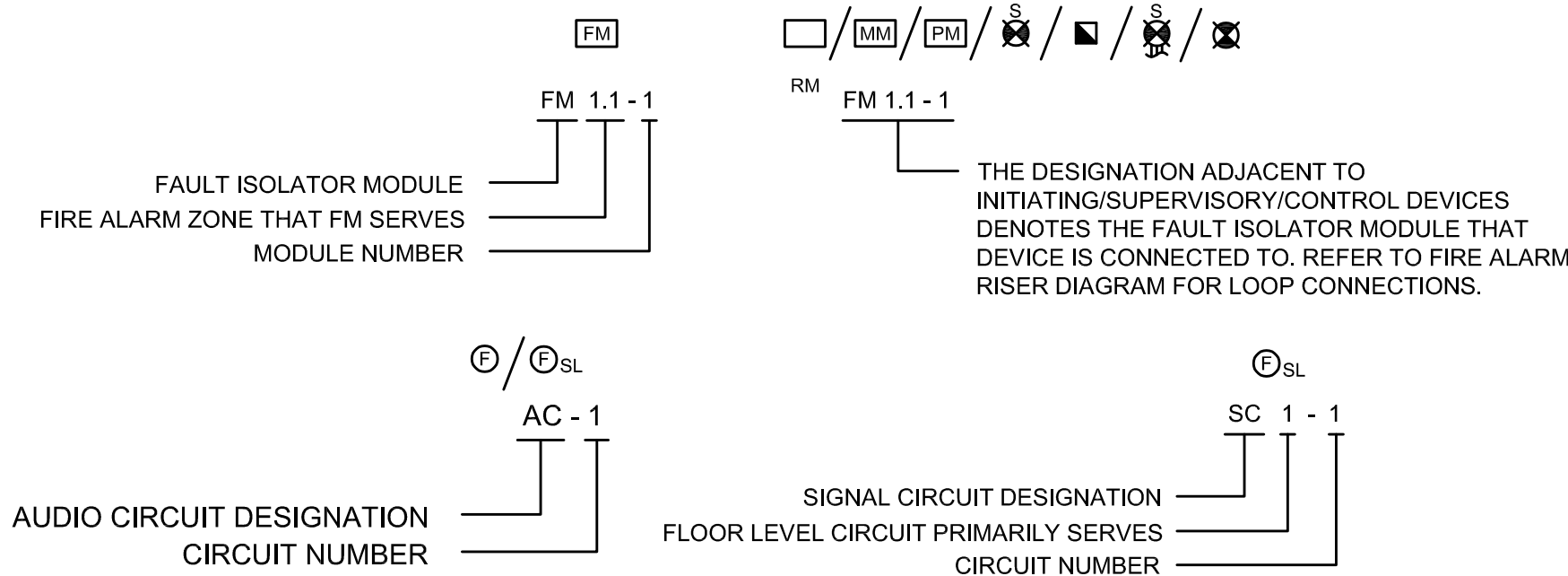
Drawing title/Titre du dessin
**ACCESS CONTROL ROUGH IN
DETAILS**

TYPICAL FIRE ALARM MOUNTING ELEVATION DETAIL NOTES:

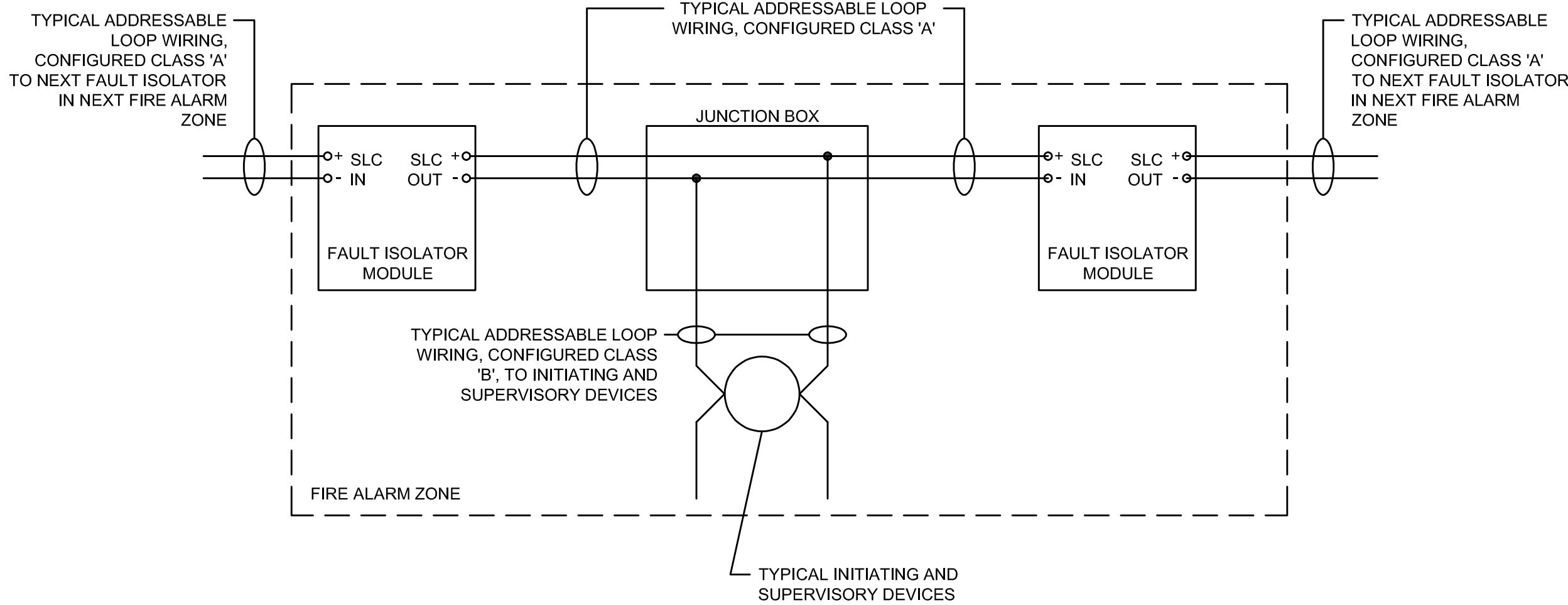
1. WHERE FINISHED CEILING IS LESS THAN 2400mm, MOUNT DEVICE 150mm (MAX) BELOW CEILING.



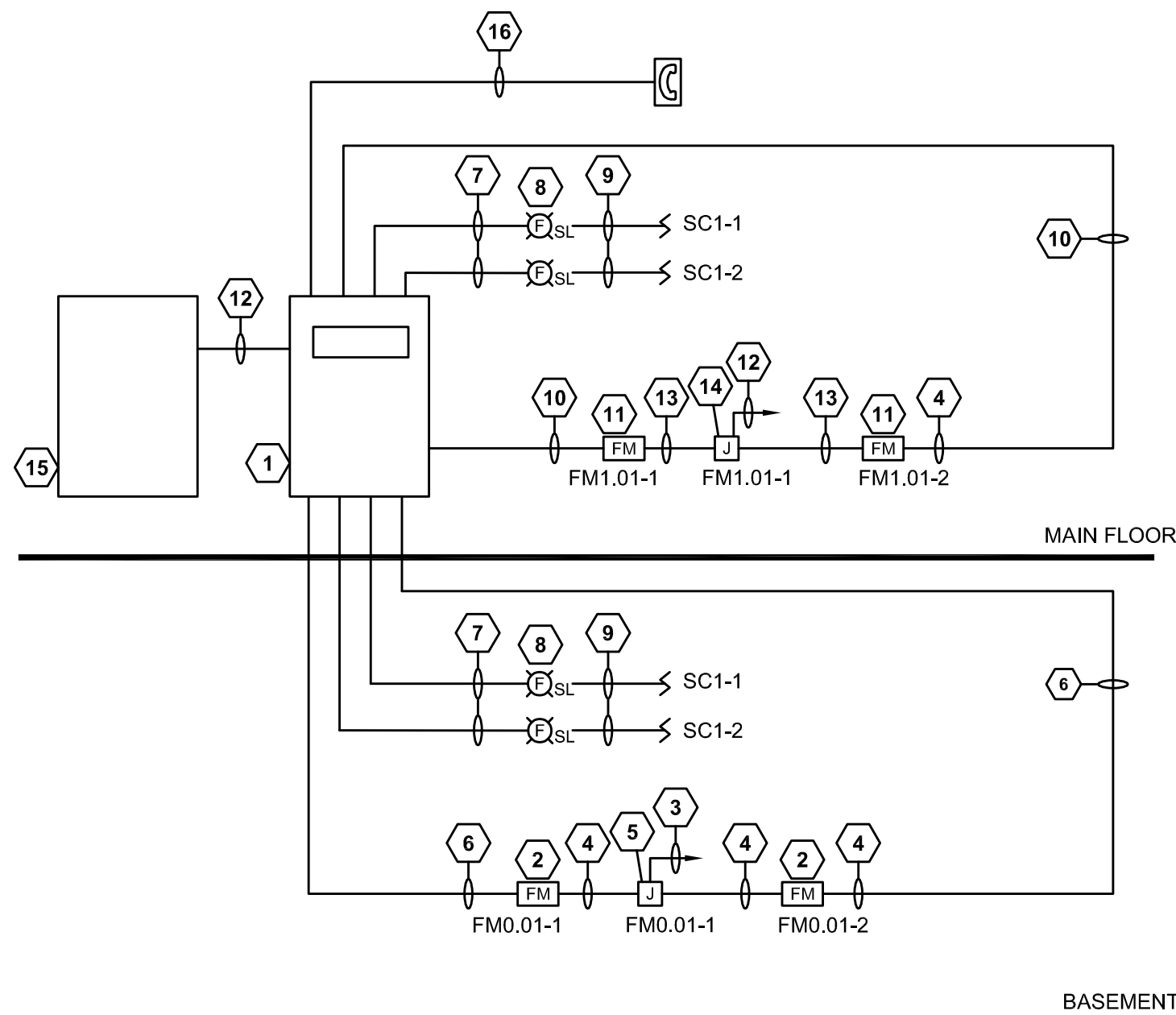
1 | FIRE ALARM MOUNTING ELEVATION DETAIL
E3.3 | NTS



2 | FIRE ALARM ZONING LOGIC
E3.3 | NTS



3 | TYPICAL FAULT ISOLATOR SLC LOOP WIRING DETAIL
E3.3 | NTS



4 | FIRE ALARM RISER DIAGRAM
E3.3 | NTS

FIRE ALARM RISER DIAGRAM NOTE LEGEND:

- 1 MAIN FIRE ALARM CONTROL PANEL LOCATED IN ROSE STREET MAIN ENTRANCE, ROOM 102.
- 2 TYPICAL FAULT ISOLATOR MODULE. REFER TO FLOOR PLANS FOR EXACT LOCATIONS. MOUNT MODULES IN MINIMUM 100x100x54mm DEEP BOX C/W COLOR CODED PAINT. MODULES SHALL BE INSTALLED SUCH THAT THEY ARE VISIBLE AND ACCESSIBLE. REFER TO TYPICAL FAULT ISOLATOR SLC LOOP WIRING DETAIL FOR WIRING REQUIREMENTS.
- 3 TYPICAL ADDRESSABLE LOOP WIRING CONFIGURED CLASS B TO INITIATING AND SUPERVISORY DEVICES CONNECTED TO INDIVIDUAL FAULT ISOLATOR MODULES.
- 4 ADDRESSABLE LOOP #1 WIRING RUN IN CONDUIT CONFIGURED CLASS A AND RUN TO FAULT ISOLATOR MODULES AS SHOWN.
- 5 FIRE ALARM JUNCTION BOX C/W RED COVER, MINIMUM 100x100x54mm DEEP BOX. REFER TO FAULT ISOLATOR SLC LOOP WIRING DETAIL FOR WIRING REQUIREMENTS.
- 6 EXISTING BASEMENT ADDRESSABLE LOOP #7 CLASS A RETURN WIRING TO FIRE ALARM CONTROL PANEL.
- 7 SIGNAL CIRCUIT WIRING RUN IN CONDUIT TO MAIN FIRE ALARM CONTROL PANEL. SIZE WIRING AS PER MANUFACTURERS RECOMMENDATIONS.
- 8 TYPICAL HORN/STROBE AUDIBLE VISUAL SIGNAL DEVICES. REFER TO FLOOR PLANS FOR EXACT LOCATIONS.
- 9 TYPICAL SIGNAL CIRCUIT WIRING RUN IN CONDUIT BETWEEN SIGNAL DEVICES ON EACH SIGNAL CIRCUIT.
- 10 EXISTING MAIN FLOOR ADDRESSABLE LOOP #6 CLASS A RETURN WIRING TO FIRE ALARM CONTROL PANEL.
- 11 RENOVATION AREA EXISTING FIRE ALARM FAULT ISOLATOR MODULE SHALL REMAIN. CONFIRM FIRE ALARM ZONE CIRCUIT ON SITE.
- 12 TYPICAL ADDRESSABLE LOOP WIRING CONFIGURED CLASS B TO INITIATING AND SUPERVISORY DEVICES CONNECTED TO INDIVIDUAL FAULT ISOLATOR MODULES.
- 13 ADDRESSABLE LOOP WIRING RUN IN CONDUIT CONFIGURED CLASS A AND RUN TO FAULT ISOLATOR MODULES AS SHOWN.
- 14 FIRE ALARM JUNCTION BOX C/W RED COVER, MINIMUM 100x100x54mm DEEP BOX. REFER TO FAULT ISOLATOR SLC LOOP WIRING DETAIL FOR WIRING REQUIREMENTS.
- 15 EXISTING ULC S561 FIRE ALARM MONITORING PANEL SHALL REMAIN.
- 16 CONNECT NEW FIRE FIGHTER TELEPHONE TO EXISTING FIRE ALARM SYSTEM. RUN WIRE IN CONDUIT.

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PUBLIC WORKS AND
GOVERNMENT SERVICES
CANADA

Project title/Titre du projet
1783 HAMILTON STREET
REGINA, SASKATCHEWAN

ESDC - PPT REGINA
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JEAN-PHILIPPE BLOUIN

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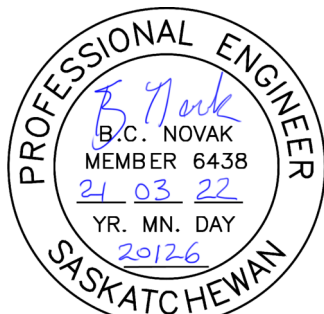
Drawing title/Titre du dessin
FIRE ALARM SYSTEM DETAILS

Project No./No. du projet
R.060346

Sheet/Feuille
E3.3
OF 18

Revision no./
La Révision
no.

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest



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PUBLIC SERVICES AND
GOVERNMENT SERVICES
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1783 HAMILTON STREET
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Drawing title/Titre du dessin

PANEL SCHEDULES

Project No./No. du projet
R.060346

Sheet/Feuille
E3.4
OF 18

Revision no./
Loi Révision
no.

BUSSSING: 225A RATED PANEL '1E2' EX. KA I.C.									
TYPE: EXISTING 120/208 VOLTS 3 PHASE 4 WIRE					MOUNT: SURFACE IN 150.1				
SERVICE	TRIP	CIRCUIT	TRIP	SERVICE	SERVICE	TRIP	CIRCUIT	TRIP	SERVICE
EXIST. POWER GRID	EX. 1	A	2	EX.	EXIST. POWER GRID	EX. 1	A	2	EX.
EXIST. POWER GRID	EX. 3	B	4	EX.	EXIST. POWER GRID	EX. 3	B	4	EX.
EXIST. POWER GRID	EX. 5	C	6	EX.	EXIST. POWER GRID	EX. 5	C	6	EX.
EXIST. POWER GRID	EX. 7	A	8	EX.	EXIST. POWER GRID	EX. 7	A	8	EX.
EXIST. POWER GRID	EX. 9	B	10	EX.	EXIST. POWER GRID	EX. 9	B	10	EX.
EXIST. POWER GRID	EX. 11	C	12	EX.	EXIST. POWER GRID	EX. 11	C	12	EX.
EXIST. POWER GRID	EX. 13	A	14	EX.	EXIST. POWER GRID	EX. 13	A	14	EX.
EXIST. POWER GRID	EX. 15	B	16	EX.	EXIST. POWER GRID	EX. 15	B	16	EX.
EXIST. POWER GRID	EX. 17	C	18	EX.	EXIST. POWER GRID	EX. 17	C	18	EX.
EXIST. POWER GRID	EX. 19	A	20	EX.	EXIST. POWER GRID	EX. 19	A	20	EX.
EXIST. POWER GRID	EX. 21	B	22	EX.	EXIST. POWER GRID	EX. 21	B	22	EX.
EXIST. POWER GRID	EX. 23	C	24	EX.	EXIST. POWER GRID	EX. 23	C	24	EX.
EXIST. POWER GRID	EX. 25	A	26	EX.	EXIST. POWER GRID	EX. 25	A	26	EX.
EXIST. POWER GRID	EX. 27	B	28	EX.	EXIST. POWER GRID	EX. 27	B	28	EX.
EXIST. POWER GRID	EX. 29	C	30	EX.	EXIST. POWER GRID	EX. 29	C	30	EX.
PRINTER	20	31	A	32	20	31	A	32	20
EXIST. POWER GRID	EX. 33	B	34	EX.	EXIST. POWER GRID	EX. 33	B	34	EX.
PRINTER	20	35	C	36	EX.	PRINTER	20	35	C
ELECTRIC STRIKES	15	37	A	38	EX.	ELECTRIC STRIKES	15	37	A
PRINTER	20	39	B	40	EX.	PRINTER	20	39	B
SPACE	41	C	42	EX.	SPACE	41	C	42	EX.
SYSTEMS FURNITURE	15	43	A	44	20	SYSTEMS FURNITURE	15	43	A
SPACE	45	B	46	EX.	SPACE	45	B	46	EX.
SPACE	47	C	48	EX.	SPACE	47	C	48	EX.
SYSTEMS FURNITURE	15	49	A	50	15	SYSTEMS FURNITURE	15	49	A
SYSTEMS FURNITURE	15	51	B	52	20	SYSTEMS FURNITURE	15	51	B
SYSTEMS FURNITURE	15	53	C	54	SPACE	SYSTEMS FURNITURE	15	53	C
SYSTEMS FURNITURE	15	55	A	56	SPACE	SYSTEMS FURNITURE	15	55	A
SYSTEMS FURNITURE	15	57	B	58	SPACE	SYSTEMS FURNITURE	15	57	B
SYSTEMS FURNITURE	15	59	C	60	SPACE	SYSTEMS FURNITURE	15	59	C

REVISE EXISTING BREAKERS 29, 32, 35 AND 42 TO 20A-1P BREAKERS. REVISE POWER FEEDS TO IN CEILING GRID AS REQUIRED.

PROVIDE TOTAL OF 17, 15A-1P BREAKERS AND 1, 20A-1P BREAKER IN PANEL AS REQUIRED TO FEED TEMPORARY PAC POLES DURING PHASED CONSTRUCTION. REFER TO PHASE DRAWINGS. BREAKERS MAY BE REUSED TO FEED FINAL EQUIPMENT AND DEVICES.

TOTAL LOAD:
A - 11160VA
B - 10200VA
C - 9120VA

TOTAL AMPS:
A - 93A
B - 85A
C - 76A

BUSSING: 400A RATED				PANEL '1A2'				EX. KA I.C.				
TYPE: EXISTING				120/208 VOLTS				3 PHASE 4 WIRE				
MOUNT: SURFACE IN 109A												
SERVICE		TRIP	CIRCUIT		TRIP	SERVICE						
EXISTING CIRCUIT		EX. 1	A	2	EX.	EXISTING CIRCUIT						
EXISTING CIRCUIT		EX. 3	B	4	EX.	EXISTING CIRCUIT						
EXISTING CIRCUIT		EX. 5	C	6	EX.	EXISTING CIRCUIT						
EXISTING CIRCUIT		EX. 7	A	8	15	FF-02						
EXISTING CIRCUIT		EX. 9	B	10		SPACE						
EXISTING CIRCUIT		EX. 11	C	12		SPACE						
EXISTING CIRCUIT		EX. 13	A	14		SPACE						
EXISTING CIRCUIT		EX. 15	B	16		SPACE						
EXISTING CIRCUIT		EX. 17	C	18		SPACE						
SPACE		19	A	20		SPACE						
SPACE		21	B	22		SPACE						
SPACE		23	C	24		SPACE						
SPACE		25	A	26		SPACE						
SPACE		27	B	28		SPACE						
SPACE		29	C	30		SPACE						
SPACE		31	A	32	EX.	EXISTING CIRCUIT						
SPACE		33	B	34								
SPACE		35	C	36								
NEW PANEL '1H2'		100	37	A	38	EX.	EXISTING CIRCUIT					
			39	B	40							
			41	C	42							

TOTAL LOAD:
A - 13080VA
B - 12960VA
C - 11280VA

TOTAL AMPS:
A - 109A
B - 108A
C - 96A

MECHANICAL EQUIPMENT SCHEDULE											
NO.	DESCRIPTION	LOCATION	KW	Ø	V	A	FEED	CON	BREAKER & CIRCUIT	DISC	STARTER
EF-01	EXHAUST FAN	ROOM 150.14	0.08	1	120	2	2#12	21mm	15A-1P	BY ELEC	S.P.S.T. SWITCH
FC-152	FAN COIL	ROOM 150.13		1	120	MCA 5.3	2#12	21mm	15A-1P	BY ELEC	BY MECH
FC-153	FAN COIL	ROOM 150.15		1	120	MCA 5.3	2#12	21mm	15A-1P	BY ELEC	BY MECH
FC-154	FAN COIL	ROOM 150.19		1	120	MCA 5.3	2#12	21mm	15A-1P	BY ELEC	BY MECH
FC-155	FAN COIL	ROOM 150.16		1	120	MCA 5.3	2#12	21mm	15A-1P	BY ELEC	BY MECH
FC-156	FAN COIL	ROOM 150.16		1	120	MCA 5.3	2#12	21mm	15A-1P	BY ELEC	BY MECH
FC-157	FAN COIL	ROOM 150.16		1	120	MCA 5.3	2#12	21mm	15A-1P	BY ELEC	BY MECH
FC-158	FAN COIL	ROOM 150.16		1	120	MCA 5.3	2#12	21mm	15A-1P	BY ELEC	BY MECH
HUM-01	HUMIDIFIER	ROOM 150.17	1.9	1	120	15.8	2#12	21mm	25A-1P	BY ELEC	BY MECH
FF-01	FORCE FLOW	ROOM 150.02	-	1	120	1.9	2#12	21mm	15A-1P	BY ELEC	BY MECH
FF-02	FORCE FLOW	ROOM 105.1	-	1	120	1.9	2#12	21mm	15A-1P	BY ELEC	BY MECH

BUSSING: 225A RATED				PANEL '1D2'		EX. KA I.C.	
TYPE: EXISTING				120/208		VOLTS	
MOUNT: SURFACE IN 150.6						3 PHASE	
						4 WIRE	
SERVICE	TRIP	CIRCUIT		TRIP	SERVICE		
EXIST. POWER GRID	EX. 1	A	2	EX.	EXIST. POWER GRID		
EXIST. POWER GRID	EX. 3	B	4	EX.	EXIST. POWER GRID		
EXIST. POWER GRID	EX. 5	C	6	EX.	EXIST. POWER GRID		
RECEPTACLES	EX. 7	A	8	EX.	EXIST. POWER GRID		
EXIST. POWER GRID	EX. 9	B	10	EX.	EXIST. POWER GRID		
EXIST. POWER GRID	EX. 11	C	12	EX.	EXIST. POWER GRID		
EXIST. POWER GRID	EX. 13	A	14	EX.	EXIST. POWER GRID		
EXIST. POWER GRID	EX. 15	B	16	EX.	EXIST. POWER GRID		
EXIST. POWER GRID	EX. 17	C	18	EX.	EXIST. POWER GRID		
PRINTER	20	19	A	20	EXIST. POWER GRID		
SPARE	15	21	B	22	EXIST. POWER GRID		
COPIER	15	23	C	24	EXIST. POWER GRID		
U/C LIGHTING	15	25	A	26	NEW POWER GRID		
NEW POWER GRID	15	27	B	28	NEW POWER GRID		
NEW POWER GRID	15	29	C	30	NEW POWER GRID		
NEW POWER GRID	20	31	A	32	NEW POWER GRID		
NEW POWER GRID	20	33	B	34	NEW POWER GRID		
NEW POWER GRID	15	35	C	36	NEW POWER GRID		
NEW POWER GRID	15	37	A	38	NEW POWER GRID		
NEW POWER GRID	15	39	B	40	NEW POWER GRID		
NEW POWER GRID	15	41	C	42	NEW POWER GRID		
DOOR OPER./CALL SYSTEM	15	43	A	44	NEW POWER GRID		
PLUMBING CONTROLS	15	45	B	46	NEW POWER GRID		
ELECTRIC STRIKES	15	47	C	48	NEW POWER GRID		
ELECTRIC STRIKES	15	49	A	50	NEW POWER GRID		
FF-01	15	51	B	52	NEW POWER GRID		
HUM-01	25	53	C	54	NEW POWER GRID		
SPACE	55	A	56		SPACE		
SPACE	57	B	58		SPACE		
SPACE	59	C	60		SPACE		

TOTAL LOAD:
A - 15360VA
B - 13680VA
C - 16440VA

TOTAL AMPS:
A - 128A
B - 114A
C - 137A

BUSSING: 225A				PANEL '1H2'				10 KA I.C.			
TYPE: NQ				120/208 VOLTS				3 PHASE 4 WIRE			
MOUNT: SURFACE IN 170											
SERVICE		TRIP		CIRCUIT		TRIP		SERVICE			
CEILING POWER GRID		15	1	A	2	15	CEILING POWER GRID				
CEILING POWER GRID		15	3	B	4	15	CEILING POWER GRID				
CEILING POWER GRID		15	5	C	6	15	CEILING POWER GRID				
CEILING POWER GRID		15	7	A	8	15	CEILING POWER GRID				
CEILING POWER GRID		15	9	B	10	15	CEILING POWER GRID				
CEILING POWER GRID		15	11	C	12	15	CEILING POWER GRID				
SPARE		15	13	A	14	15	CEILING POWER GRID				
SPARE		15	15	B	16	15	CEILING POWER GRID				
SPARE		15	17	C	18	15	SPARE				
SPACE		19	A	20	15	SPARE	SPACE				
SPACE		21	B	22	15	SPARE	SPACE				
SPACE		23	C	24		SPACE	SPACE				
SPACE		25	A	26		SPACE	SPACE				
SPACE		27	B	28		SPACE	SPACE				
SPACE		29	C	30		SPACE	SPACE				
SPACE		31	A	32		SPACE	SPACE				
SPACE		33	B	34		SPACE	SPACE				
SPACE		35	C	36		SPACE	SPACE				
SPACE		37	A	38		SPACE	SPACE				
SPACE		39	B	40		SPACE	SPACE				
SPACE		41	C	42		SPACE	SPACE				
SPACE		43	A	44		SPACE	SPACE				
SPACE		45	B	46		SPACE	SPACE				
SPACE		47	C	48		SPACE	SPACE				
SPACE		49	A	50		SPACE	SPACE				
SPACE		51	B	52		SPACE	SPACE				
SPACE		53	C	54		SPACE	SPACE				
SPACE		55	A	56		SPACE	SPACE				
SPACE		57	B	58		SPACE	SPACE				
SPACE		59	C	60		SPACE	SPACE				