

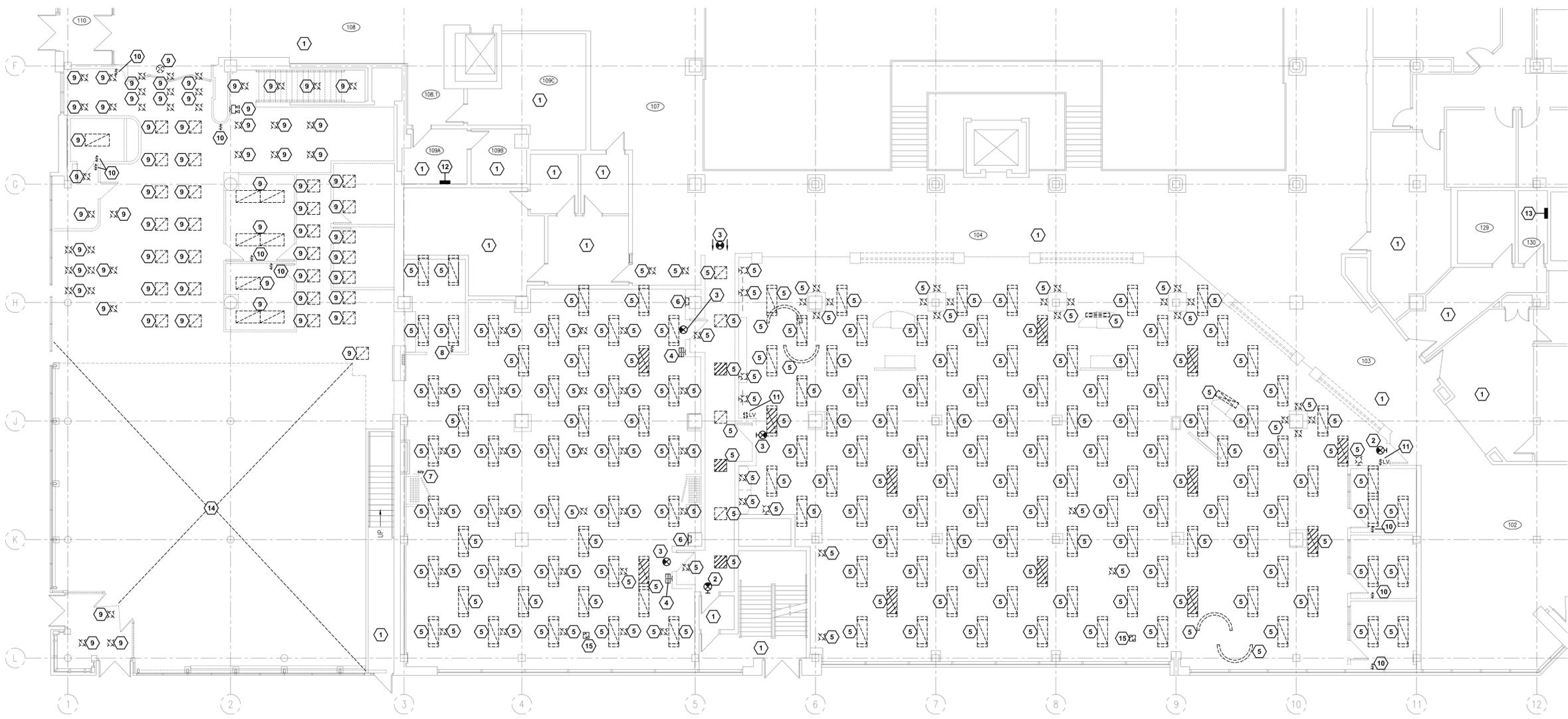


- MAIN FLOOR LIGHTING DEMOLITION PLAN NOTE LEGEND:**
- 1 EXISTING LIGHTING AND SWITCHING IN THIS AREA SHALL REMAIN UNLESS NOTED OTHERWISE.
  - 2 EXISTING EXIT SIGN SHALL REMAIN. PROTECT DURING CONSTRUCTION.
  - 3 EXISTING EXIT SIGN SHALL BE SALVAGED AND RELOCATED.
  - 4 REMOVE EXISTING BATTERY PACK AND WIRING BACK TO SOURCE.
  - 5 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.
  - 6 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.
  - 7 EXISTING LIGHTING CONTROL ROOM WALL STATION SHALL BE REMOVED. REMOVE DEVICE BOX, DEVICE, CONDUIT AND WIRE BACK TO NEXT REQUIRED LIVE JUNCTION BOX.
  - 8 EXISTING LIGHTING OCCUPANCY SENSOR WALL SWITCH SHALL BE REMOVED. REMOVE DEVICE BOX, DEVICE, CONDUIT AND WIRE BACK TO NEXT REQUIRED LIVE JUNCTION BOX.
  - 9 EXISTING LIGHT FIXTURE SHALL BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO BREAKER.
  - 10 EXISTING LIGHT SWITCH SHALL BE REMOVED. REMOVE DEVICE, COVERPLATE, BACKBOX, CONDUIT AND WIRE BACK TO SOURCE.
  - 11 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.
  - 12 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'.
  - 13 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'.
  - 14 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.
  - 15 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.



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#	#####	#####
#	#####	#####
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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  
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**PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin  
**MAIN FLOOR  
LIGHTING DEMOLITION PLAN**

Project No./No. du projet <b>R.060346</b>	Sheet/Feuille <b>E1.2</b> OF 18	Revision no./ no. de Révision
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**1 | MAIN FLOOR LIGHTING DEMOLITION PLAN**  
E1.2 | 1:100



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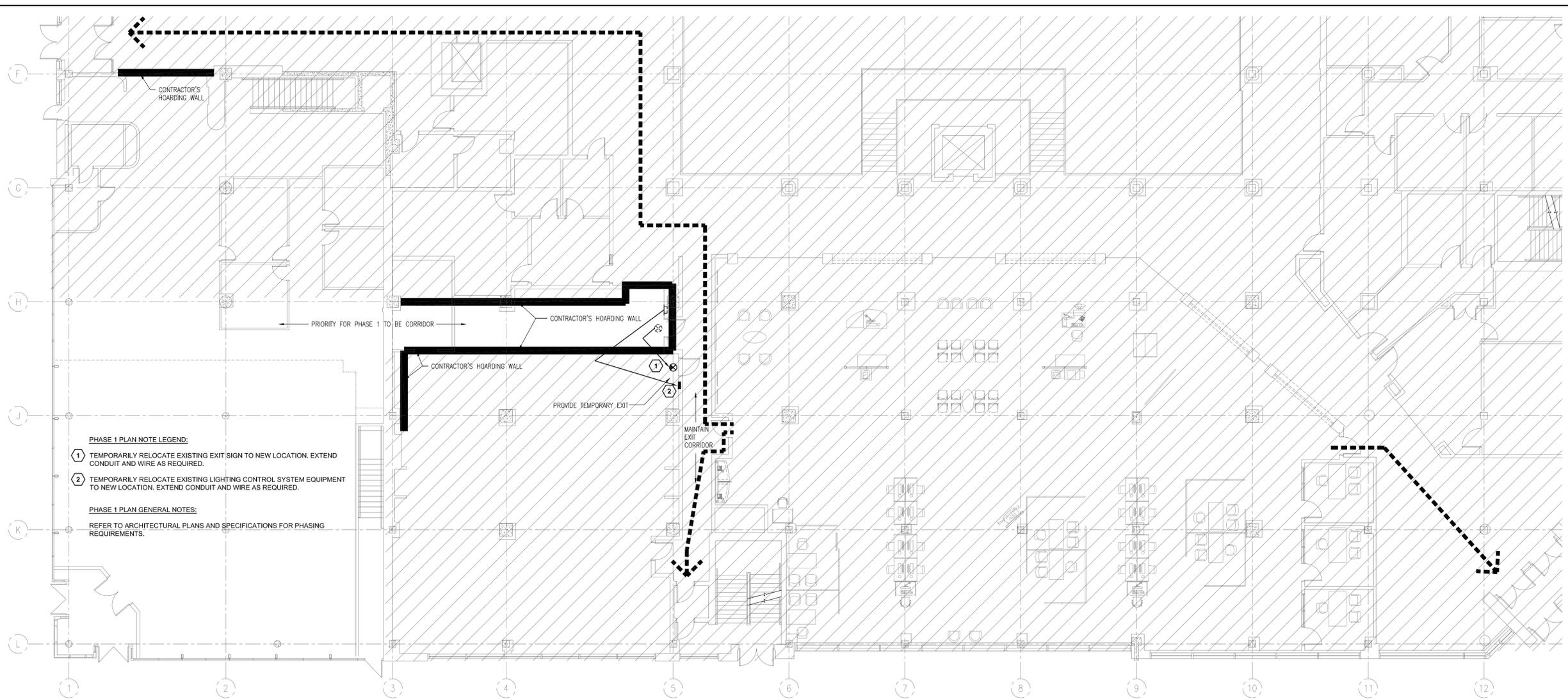
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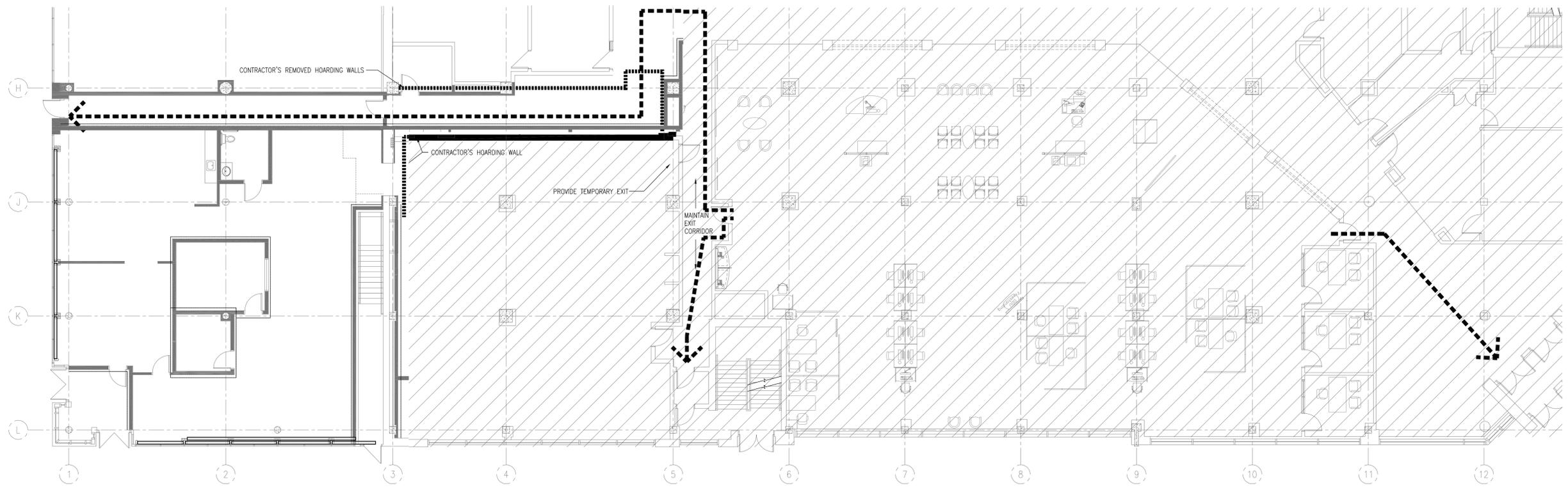
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**PHASING PLAN - PHASE 1**

Project No./No. du projet  
**R.060346**  
Sheet/Feuille  
**E1.4**  
Revision no./  
no. de Révision  
**OF 18**



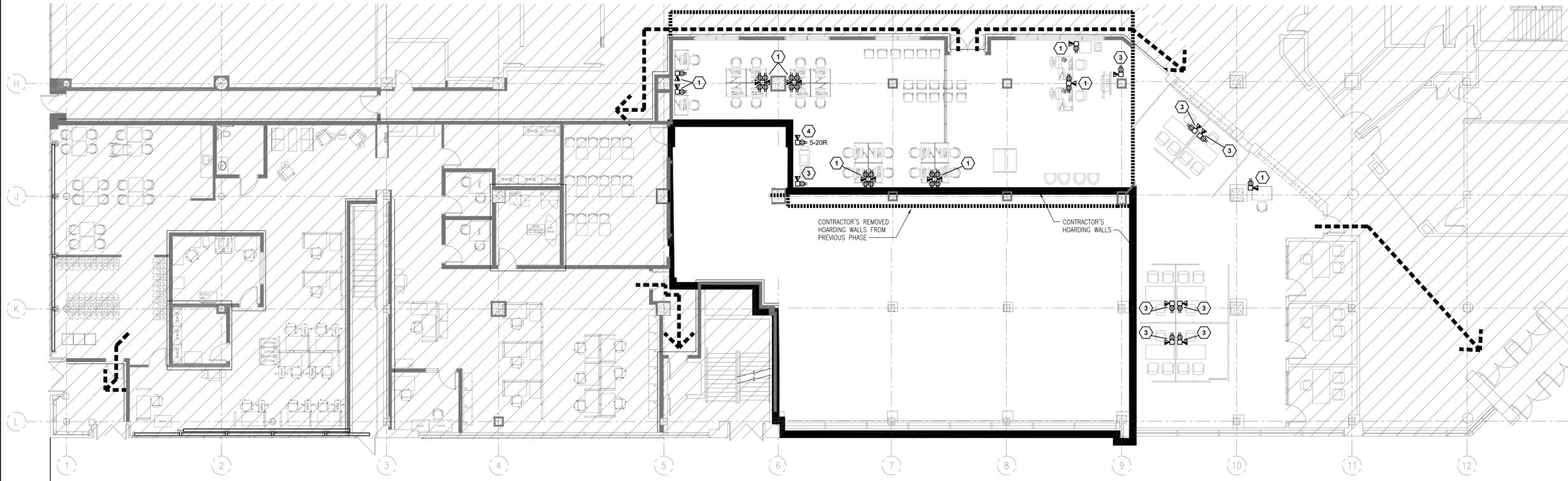
**1 | PHASING PLAN - PHASE 1 EXISTING**  
E1.4 | 1:100



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







**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.

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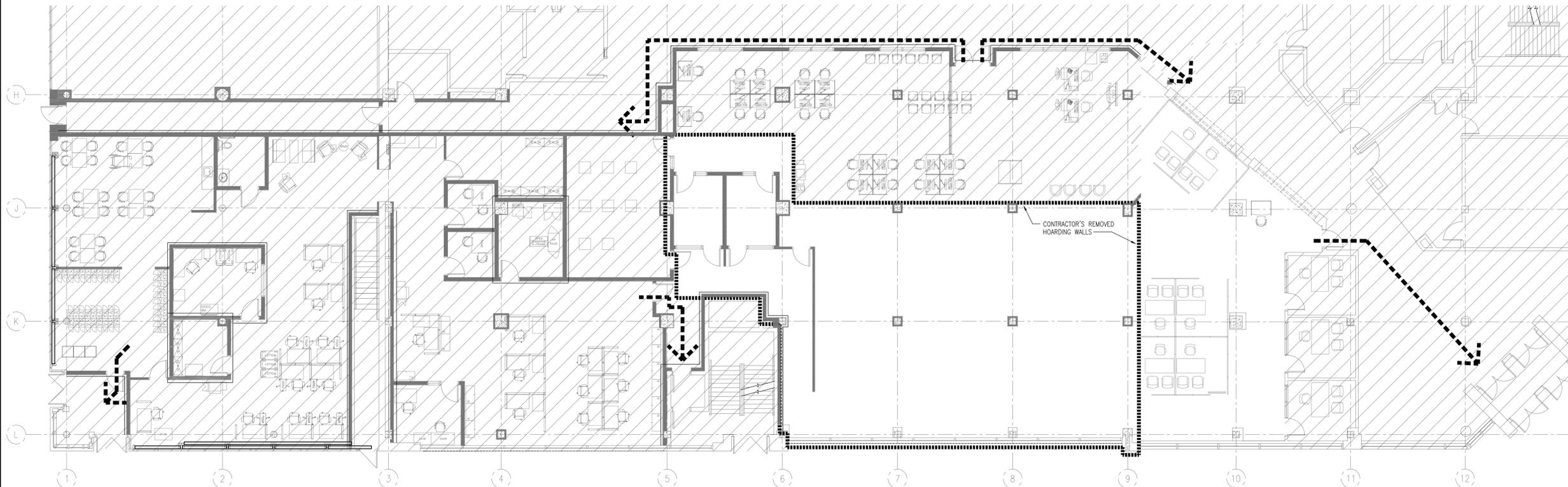
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**PHASING PLAN - PHASE 4**



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

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**PUBLIC SERVICES AND PROCUREMENT CANADA**

Drawing title/Titre du dessin  
**MAIN FLOOR LIGHTING PLAN**

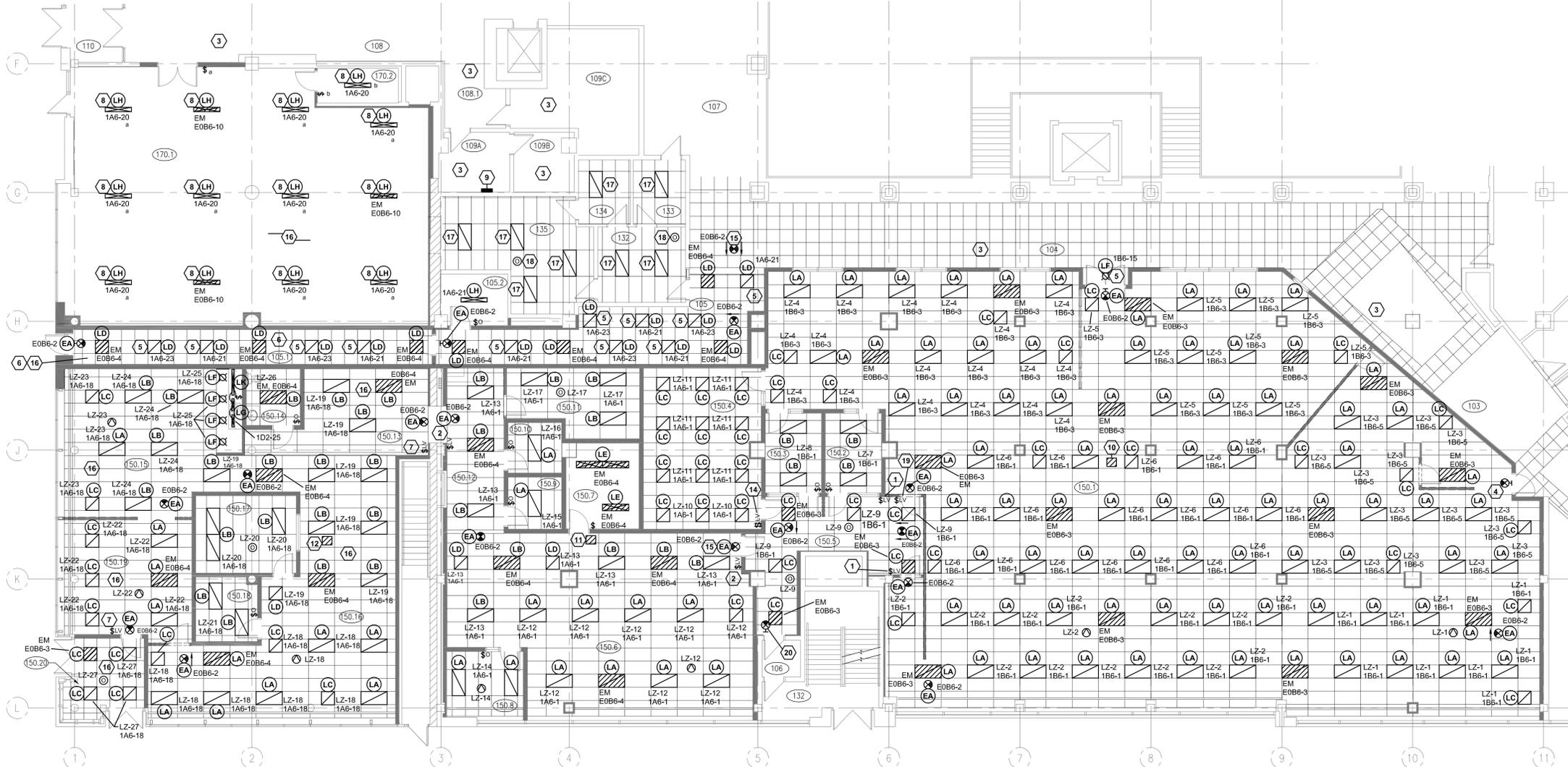
Project No./No. du projet	Sheet/Feuille	Revision no./ No. Révision
R.060346	E2.2 OF 18	

- LIGHTING PLAN NOTE LEGEND:**
- 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 3660mm 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.

- LIGHTING PLAN NOTE LEGEND:**
- 2 BUTTON ZONE CONTROL SWITCH (ON/OFF) TO CONTROL LIGHTING ZONES LZ-4, LZ-5 AND LZ-6.
  - REMOVE AND REPLACE EXISTING EXIT SIGN AT FACE OF NEW DOOR.
- MAIN FLOOR LIGHTING 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.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK RESTRICTION REQUIREMENTS AFTER HOURS AND TENANT WORKING HOURS.

LIGHT FIXTURE SCHEDULE								
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 2BLT4 SERIES METALUX 24RTC 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 2BLT4 SERIES METALUX 24RTC 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 2FG SERIES LITHONIA 2BLT2 SERIES METALUX 22CZ 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 2FG SERIES LITHONIA 2BLT2 SERIES METALUX 22CZ 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	108Ø x 140mmH	18W LED 1000 LUMENS 4000°K 80+ CRI	MEDIUM DISTRIBUTION SPUN ALUMINIUM	SEMI-SPECULAR SELF-FLANGED	347	PORTFOLIO LD48 SERIES GOTHAM LIGHTING EV04 SERIES SIGNIFY CANADA 4RN-4RDL 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 ALUMINIUM EXTRUDED HOUSING	WHITE	347	AIMLITE RPALW SERIES BEGHELLI QORM SERIES EMERGI-LITE EA SERIES READY-LITE RA SERIES	1

- LIGHT FIXTURE SCHEDULE NOTES:**
- CIRCUIT TO EXISTING FLOOR EXIT LIGHT CIRCUIT.
  - 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.
  - 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.



1 | MAIN FLOOR LIGHTING PLAN  
E2.2 | 1:100

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**BASEMENT  
BUILDING SYSTEMS PLAN**

Project No./No. du projet <b>R.060346</b>	Sheet/Feuille <b>E2.3</b> OF 18	Revision no./ no. de révision
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- 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	EX.	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	EX.	SPACE		
4A	SPACE	23	C	24	SPACE		
4A	SPACE	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		

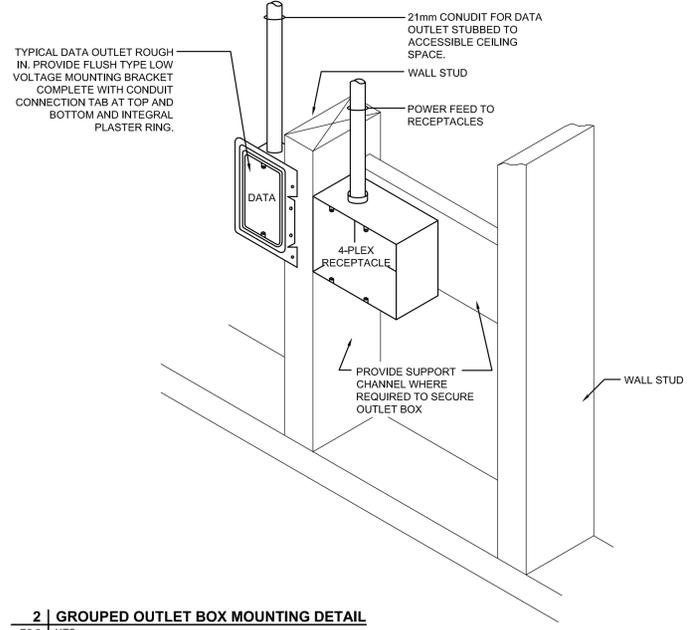
TOTAL LOAD:  
A - 26372VA  
B - 14227VA  
C - 9716VA

TOTAL AMPS:  
A - 76A  
B - 41A  
C - 28A

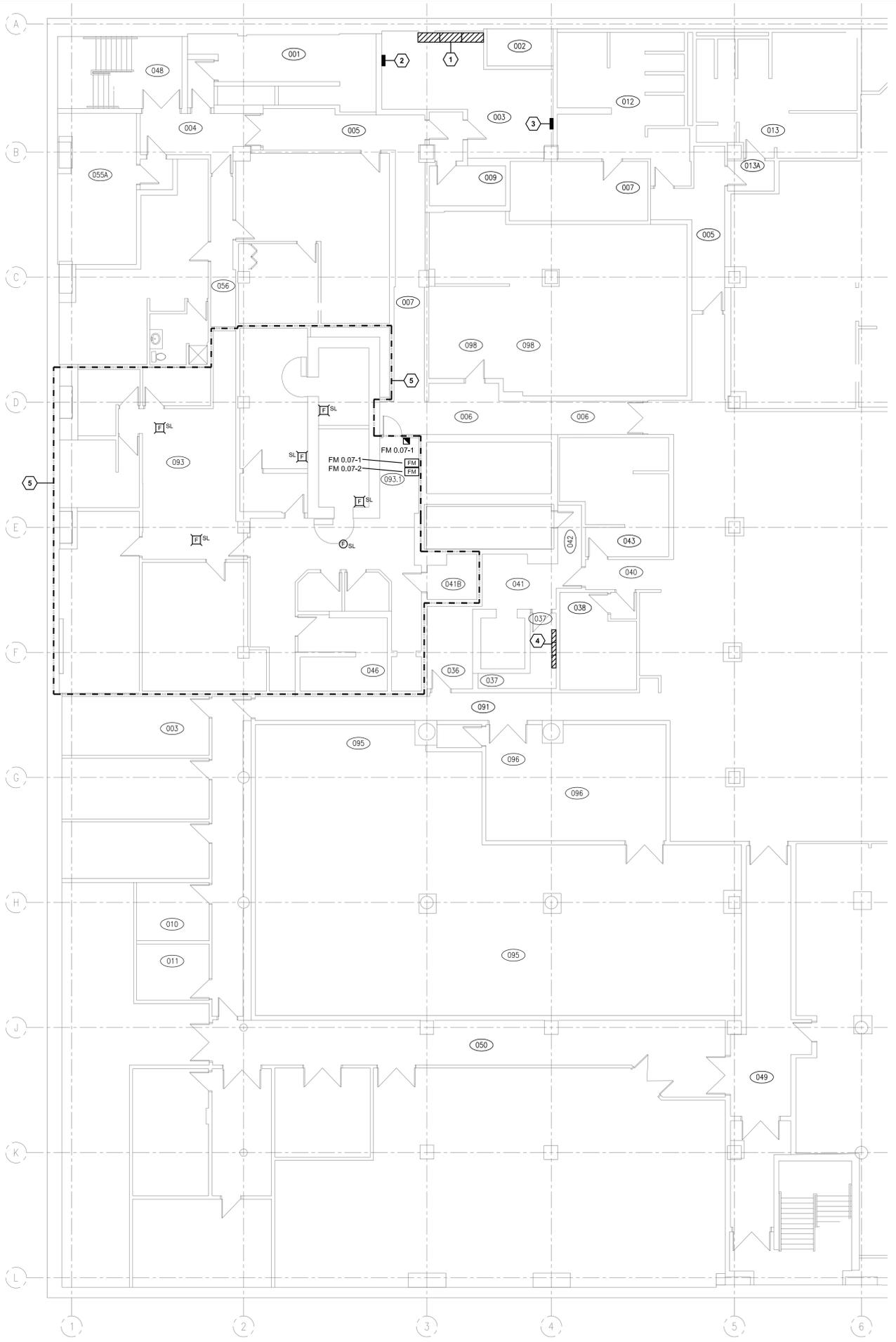
BUSSING: EXISTING		PANEL 'E002'				EX. KA I.C.	
TYPE: EXISTING		120/208 VOLTS				3 PHASE 4 WIRE	
MOUNT: SURFACE IN BASEMENT 003							
SERVICE	TRIP	CIRCUIT		TRIP	SERVICE		
12A EXISTING CIRCUIT	EX. 1	A	2	EX.	EXISTING CIRCUIT		
12A EXISTING CIRCUIT	EX. 3	B	4	EX.	EXISTING CIRCUIT		
12A EXISTING CIRCUIT	EX. 5	C	6	EX.	EXISTING CIRCUIT		
12A EXISTING CIRCUIT	EX. 7	A	8	EX.	EXISTING CIRCUIT		
12A EXISTING CIRCUIT	EX. 9	B	10	EX.	EXISTING CIRCUIT		
12A EXISTING CIRCUIT	EX. 11	C	12	EX.	EXISTING CIRCUIT		
12A EXISTING CIRCUIT	EX. 13	A	14	EX.	EXISTING CIRCUIT		
12A EXISTING CIRCUIT	EX. 15	B	16	EX.	EXISTING CIRCUIT		
30A	SPACE	17	C	18	EXISTING CIRCUIT		
20A	SPACE	19	A	20	EXISTING CIRCUIT		
8A	ROOM 150.7 SECURITY	15	21	B	22	EX.	EXISTING CIRCUIT
8A	ROOM 150.7 SECURITY	15	23	C	24	EX.	EXISTING CIRCUIT
8A	ROOM 150.7 SECURITY	15	25	A	26	EX.	EXISTING CIRCUIT
8A	ROOM 150.7 SECURITY	15	27	B	28	EX.	EXISTING CIRCUIT
8A	ROOM 150.7 SECURITY	15	29	C	30	EX.	EXISTING CIRCUIT
12A EXISTING CIRCUIT	EX. 31	A	32	EX.	EXISTING CIRCUIT		
8A	ROOM 150.7 SECURITY	15	33	B	34	EX.	EXISTING CIRCUIT
8A	ROOM 150.7 SECURITY	15	35	C	36	EX.	EXISTING CIRCUIT
0A	EXISTING SPACE	20	37	A	38	EX.	EXISTING CIRCUIT
0A	EXISTING SPACE	20	39	B	40	EX.	EXISTING CIRCUIT
12A	RM 150.7 RECEPTACLE	20	41	C	42	EX.	EXISTING CIRCUIT

TOTAL LOAD:  
A - 19200VA  
B - 18000VA  
C - 19440VA

TOTAL AMPS:  
A - 160A  
B - 150A  
C - 162A



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



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







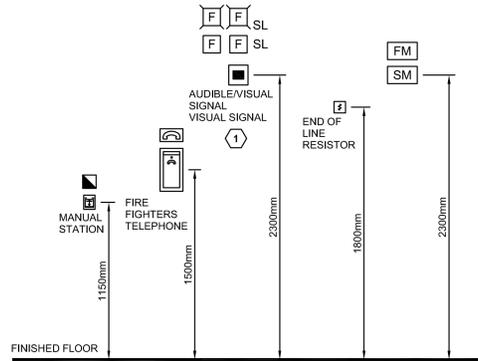




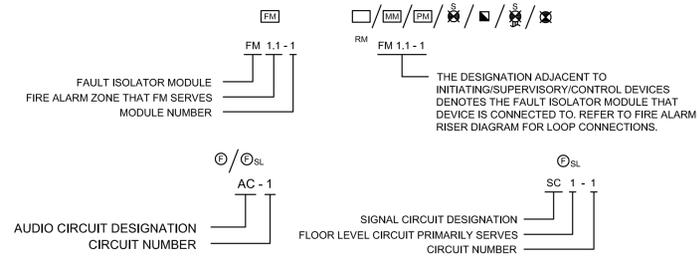


**TYPICAL FIRE ALARM MOUNTING ELEVATION DETAIL NOTES:**

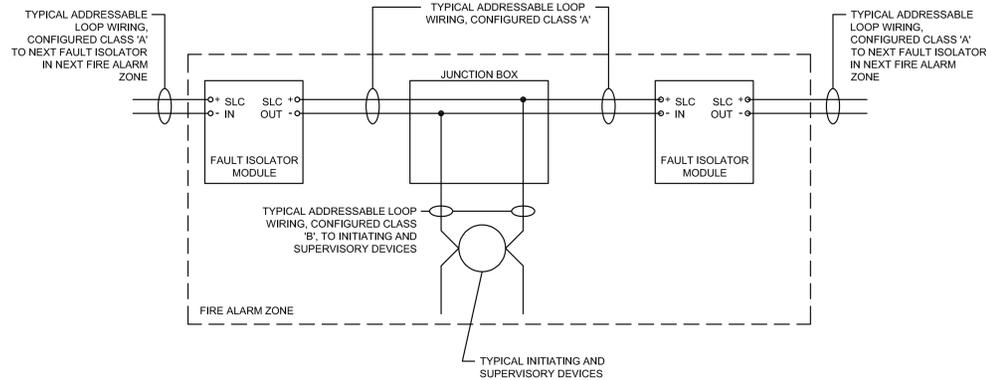
- WHERE FINISHED CEILING IS LESS THAN 2400mm, MOUNT DEVICE 150mm (MAX) BELOW CEILING.



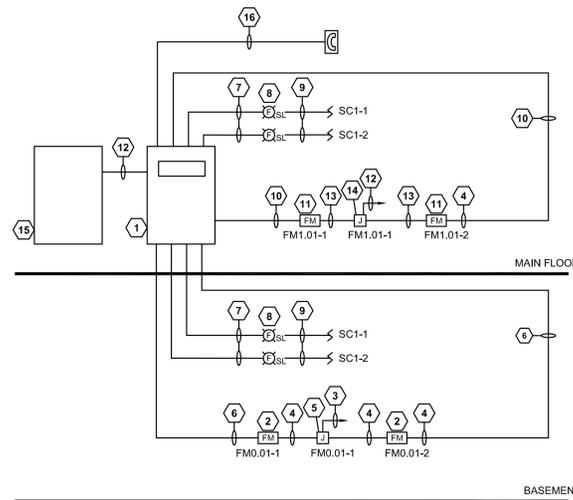
**1 | FIRE ALARM MOUNTING ELEVATION DETAIL**  
E3.3 | NTS



**2 | FIRE ALARM ZONING LOGIC**  
E3.3 | NTS



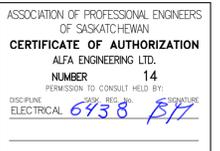
**3 | TYPICAL FAULT ISOLATOR SLC LOOP WIRING DETAIL**  
E3.3 | NTS



**FIRE ALARM RISER DIAGRAM NOTE LEGEND:**

- MAIN FIRE ALARM CONTROL PANEL LOCATED IN ROSE STREET MAIN ENTRANCE, ROOM 102.
- 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.
- TYPICAL ADDRESSABLE LOOP WIRING CONFIGURED CLASS B TO INITIATING AND SUPERVISORY DEVICES CONNECTED TO INDIVIDUAL FAULT ISOLATOR MODULES.
- ADDRESSABLE LOOP #1 WIRING RUN IN CONDUIT CONFIGURED CLASS A AND RUN TO FAULT ISOLATOR MODULES AS SHOWN.
- FIRE ALARM JUNCTION BOX C/W RED COVER, MINIMUM 100x100x54mm DEEP BOX. REFER TO FAULT ISOLATOR SLC LOOP WIRING DETAIL FOR WIRING REQUIREMENTS.
- EXISTING BASEMENT ADDRESSABLE LOOP #7 CLASS A RETURN WIRING TO FIRE ALARM CONTROL PANEL.
- SIGNAL CIRCUIT WIRING RUN IN CONDUIT TO MAIN FIRE ALARM CONTROL PANEL. SIZE WIRING AS PER MANUFACTURERS RECOMMENDATIONS.
- TYPICAL HORN/STROBE AUDIBLE VISUAL SIGNAL DEVICES. REFER TO FLOOR PLANS FOR EXACT LOCATIONS.
- TYPICAL SIGNAL CIRCUIT WIRING RUN IN CONDUIT BETWEEN SIGNAL DEVICES ON EACH SIGNAL CIRCUIT.
- EXISTING MAIN FLOOR ADDRESSABLE LOOP #6 CLASS A RETURN WIRING TO FIRE ALARM CONTROL PANEL.
- RENOVATION AREA EXISTING FIRE ALARM FAULT ISOLATOR MODULE SHALL REMAIN. CONFIRM FIRE ALARM ZONE CIRCUIT ON SITE.
- TYPICAL ADDRESSABLE LOOP WIRING CONFIGURED CLASS B TO INITIATING AND SUPERVISORY DEVICES CONNECTED TO INDIVIDUAL FAULT ISOLATOR MODULES.
- ADDRESSABLE LOOP WIRING RUN IN CONDUIT CONFIGURED CLASS A AND RUN TO FAULT ISOLATOR MODULES AS SHOWN.
- FIRE ALARM JUNCTION BOX C/W RED COVER, MINIMUM 100x100x54mm DEEP BOX. REFER TO FAULT ISOLATOR SLC LOOP WIRING DETAIL FOR WIRING REQUIREMENTS.
- EXISTING ULC S561 FIRE ALARM MONITORING PANEL SHALL REMAIN.
- CONNECT NEW FIRE FIGHTER TELEPHONE TO EXISTING FIRE ALARM SYSTEM, RUN WIRE IN CONDUIT.

**4 | FIRE ALARM RISER DIAGRAM**  
E3.3 | NTS



**DO NOT SCALE DRAWINGS**

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

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 TPSCC  
JEAN-PHILIPPE BLOUIN

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

Client/client  
PUBLIC SERVICES AND PROCUREMENT CANADA

Drawing title/Titre du dessin  
**FIRE ALARM SYSTEM DETAILS**

Project No./No. du projet  
**R.060346**

Sheet/Feuille  
**E3.3**

Revision no./  
no. de Révision  
OF 18

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

BUSSING: 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				
EXIST. POWER GRID	EX. 1	A	2	EX.	EXIST. POWER GRID	4A		
EXIST. POWER GRID	EX. 3	B	4	EX.	EXIST. POWER GRID	4A		
EXIST. POWER GRID	EX. 5	C	6	EX.	EXIST. POWER GRID	4A		
EXIST. POWER GRID	EX. 7	A	8	EX.	EXIST. POWER GRID	4A		
EXIST. POWER GRID	EX. 9	B	10	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 11	C	12	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 13	A	14	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 15	B	16	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 17	C	18	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 19	A	20	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 21	B	22	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 23	C	24	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 25	A	26	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 27	B	28	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 29	C	30	EX.	EXIST. POWER GRID	3A		
PRINTER	20	31	A	32	PRINTER	10A		
EXIST. POWER GRID	EX. 33	B	34	EX.	EXIST. POWER GRID	3A		
PRINTER	20	35	C	36	EX.	EXIST. POWER GRID	3A	
ELECTRIC STRIKES	15	37	A	38	EX.	EXIST. POWER GRID	3A	
PRINTER	20	39	B	40	EX.	EXIST. POWER GRID	3A	
SPACE	41	C	42	EX.	EXIST. POWER GRID	7A		
SYSTEMS FURNITURE	15	43	A	44	20	PRINTER	10A	
SPACE	45	B	46	EX.	EXIST. POWER GRID	3A		
SPACE	47	C	48	EX.	EXIST. POWER GRID	3A		
SYSTEMS FURNITURE	15	49	A	50	15	ELECTRIC STRIKES	3A	
SYSTEMS FURNITURE	15	51	B	52	20	PRINTER	10A	
SYSTEMS FURNITURE	15	53	C	54	20	SPACE	0A	
SYSTEMS FURNITURE	15	55	A	56	SPACE	0A		
SYSTEMS FURNITURE	15	57	B	58	SPACE	0A		
SYSTEMS FURNITURE	15	59	C	60	SPACE	0A		

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: 225A RATED		PANEL '1D2'				EX. KA I.C.		
TYPE: EXISTING		120/208 VOLTS		3 PHASE		4 WIRE		
MOUNT: SURFACE IN 150.6								
SERVICE	TRIP	CIRCUIT	TRIP	SERVICE				
EXIST. POWER GRID	EX. 1	A	2	EX.	EXIST. POWER GRID	4A		
EXIST. POWER GRID	EX. 3	B	4	EX.	EXIST. POWER GRID	4A		
EXIST. POWER GRID	EX. 5	C	6	EX.	EXIST. POWER GRID	4A		
RECEPTACLES	EX. 7	A	8	EX.	EXIST. POWER GRID	4A		
EXIST. POWER GRID	EX. 9	B	10	EX.	EXIST. POWER GRID	8A		
EXIST. POWER GRID	EX. 11	C	12	EX.	EXIST. POWER GRID	8A		
EXIST. POWER GRID	EX. 13	A	14	EX.	EXIST. POWER GRID	8A		
EXIST. POWER GRID	EX. 15	B	16	EX.	EXIST. POWER GRID	3A		
EXIST. POWER GRID	EX. 17	C	18	EX.	EXIST. POWER GRID	12A		
PRINTER	20	19	A	20	EX.	EXIST. POWER GRID	12A	
SPARE	15	21	B	22	EX.	EXIST. POWER GRID	12A	
COPIER	15	23	C	24	EX.	EXIST. POWER GRID	12A	
U/C LIGHTING	15	25	A	26	15	NEW POWER GRID	1A	
NEW POWER GRID	15	27	B	28	15	NEW POWER GRID	3A	
NEW POWER GRID	15	29	C	30	20	NEW POWER GRID	4A	
NEW POWER GRID	20	31	A	32	15	NEW POWER GRID	16A	
NEW POWER GRID	20	33	B	34	15	NEW POWER GRID	12A	
NEW POWER GRID	15	35	C	36	20	NEW POWER GRID	12A	
NEW POWER GRID	15	37	A	38	20	NEW POWER GRID	12A	
NEW POWER GRID	15	39	B	40	15	NEW POWER GRID	4A	
NEW POWER GRID	15	41	C	42	15	NEW POWER GRID	4A	
DOOR OPER./CALL SYSTEM	15	43	A	44	20	NEW POWER GRID	12A	
PLUMBING CONTROLS	15	45	B	46	20	NEW POWER GRID	12A	
ELECTRIC STRIKES	15	47	C	48	15	NEW POWER GRID	3A	
ELECTRIC STRIKES	15	49	A	50	15	NEW POWER GRID	3A	
FF-01	15	51	B	52	15	NEW POWER GRID	2A	
HUM-01	25	53	C	54	15	NEW POWER GRID	4A	
SPACE	55	A	56	SPACE	0A			
SPACE	57	B	58	SPACE	0A			
SPACE	59	C	60	SPACE	0A			

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

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

BUSSING: 225A RATED		PANEL '1FC'				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	12A		
EXISTING CIRCUIT	EX. 3	B	4	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 5	C	6	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 7	A	8	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 9	B	10	15	ROOM 150.1 DOOR	5A		
EXISTING CIRCUIT	EX. 11	C	12	20	ROOM 150.7 RECEPTACLE	16A		
EXISTING CIRCUIT	EX. 13	A	14	20	ROOM 150.7 RECEPTACLE	16A		
EXISTING CIRCUIT	EX. 15	B	16	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 17	C	18	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 19	A	20	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 21	B	22	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 23	C	24	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 25	A	26	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 27	B	28	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 29	C	30	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 31	A	32	15	ROOM150.20 DOORS	5A		
EXISTING CIRCUIT	EX. 33	B	34	15	SPARE	0A		
EXISTING CIRCUIT	EX. 35	C	36	EX.	EXISTING CIRCUIT	16A		
EXISTING CIRCUIT	EX. 37	A	38	EX.	EXISTING CIRCUIT	16A		
EXISTING CIRCUIT	EX. 39	B	40	EX.	EXISTING CIRCUIT	16A		
EXISTING CIRCUIT	EX. 41	C	42	EX.	EXISTING CIRCUIT	16A		
EXISTING CIRCUIT	EX. 43	A	44	EX.	EXISTING CIRCUIT	16A		
EXISTING CIRCUIT	EX. 45	B	46	EX.	EXISTING CIRCUIT	16A		
EXISTING CIRCUIT	EX. 47	C	48	EX.	EXISTING CIRCUIT	16A		
SPACE	49	A	50	15	FC-152	5.3A		
SPACE	51	B	52	15	FC-153	5.3A		
SPACE	53	C	54	15	FC-154	5.3A		
SPACE	55	A	56	15	FC-155	5.3A		
EXISTING CIRCUIT	EX. 57	B	58	15	FC-156	5.3A		
FC-158	15	59	C	60	15	FC-157	5.3A	

TOTAL LOAD:  
A - 28512VA  
B - 25832VA  
C - 29028VA

TOTAL AMPS:  
A - 237.6A  
B - 223.6A  
C - 241.9A

BUSSING: 225A RATED		PANEL '1A6'				EX. KA I.C.	
TYPE: EXISTING		347/600V VOLTS		3 PHASE		4 WIRE	
MOUNT: SURFACE IN 109A							
SERVICE	TRIP	CIRCUIT	TRIP	SERVICE			
EXISTING CIRCUIT	EX. 1	A	2	EX.	SPACE	0A	
EXISTING CIRCUIT	EX. 3	B	4	EX.	SPACE	0A	
EXISTING CIRCUIT	EX. 5	C	6	EX.	SPACE	0A	
EXISTING CIRCUIT	EX. 7	A	8	EX.	EXISTING CIRCUIT	12A	
EXISTING CIRCUIT	EX. 9	B	10	EX.	EXISTING CIRCUIT	12A	
EXISTING CIRCUIT	EX. 11	C	12	EX.	EXISTING CIRCUIT	12A	
EXISTING CIRCUIT	EX. 13	A	14	EX.	EXISTING CIRCUIT	12A	
EXISTING CIRCUIT	EX. 15	B	16	EX.	EXISTING CIRCUIT	12A	
EXISTING CIRCUIT	EX. 17	C	18	15	NEW LIGHTS	5A	
EXISTING CIRCUIT	EX. 19	A	20	15	NEW LIGHTS	4A	
EXISTING CIRCUIT	EX. 21	B	22	SPACE	0A		
EXISTING CIRCUIT	EX. 23	C	24	SPACE	0A		
EXISTING CIRCUIT	EX. 25	A	26	SPACE	0A		
EXISTING CIRCUIT	EX. 27	B	28	SPACE	0A		
EXISTING CIRCUIT	EX. 29	C	30	SPACE	0A		
EXISTING CIRCUIT	EX. 31	A	32	SPACE	0A		
EXISTING CIRCUIT	EX. 33	B	34	SPACE	0A		
EXISTING CIRCUIT	EX. 35	C	36	SPACE	0A		
EXISTING CIRCUIT	EX. 37	A	38	EX.	EXISTING CIRCUIT	50A	
SPACE	39	B	40	SPACE	50A		
SPACE	41	C	42	SPACE	50A		

TOTAL LOAD:  
A - 56214VA  
B - 50662VA  
C - 48233VA

TOTAL AMPS:  
A - 162A  
B - 146A  
C - 139A

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	12A		
EXISTING CIRCUIT	EX. 3	B	4	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 5	C	6	EX.	EXISTING CIRCUIT	12A		
EXISTING CIRCUIT	EX. 7	A	8	15	FF-02	2A		
EXISTING CIRCUIT	EX. 9	B	10	SPACE	0A			
EXISTING CIRCUIT	EX. 11	C	12	SPACE	0A			
EXISTING CIRCUIT	EX. 13	A	14	SPACE	0A			
EXISTING CIRCUIT	EX. 15	B	16	SPACE	0A			
EXISTING CIRCUIT	EX. 17	C	18	SPACE	0A			
SPACE	19	A	20	SPACE	0A			
SPACE	21	B	22	SPACE	0A			
SPACE	23	C	24	SPACE	0A			
SPACE	25	A	26	SPACE	0A			
SPACE	27	B	28	SPACE	0A			
SPACE	29	C	30	SPACE	0A			
SPACE	31	A	32	EX.	EXISTING CIRCUIT	30A		
SPACE	33	B	34	SPACE	30A			
SPACE	35	C	36	SPACE	20A			
NEW PANEL '1H2'	100	37	A	38	EX.	EXISTING CIRCUIT	30A	
SPACE	39	B	40	SPACE	30A			
SPACE	41	C	42	SPACE	20A			

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

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

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	1A	
CEILING POWER GRID	15	3	B	4	15	CEILING POWER GRID	1A	
CEILING POWER GRID	15	5	C	6	15	CEILING POWER GRID	1A	
CEILING POWER GRID	15	7	A	8	15	CEILING POWER GRID	1A	
CEILING POWER GRID	15	9	B	10	15	CEILING POWER GRID	1A	
CEILING POWER GRID	15	11	C	12	15	CEILING POWER GRID	1A	
SPARE	15	13	A	14	15	CEILING POWER GRID	1A	
SPARE	15	15	B	16	15	CEILING POWER GRID	1A	
SPARE	15	17	C	18	15	SPARE	0A	
SPACE	19	A	20	15	SPARE	0A		
SPACE	21	B	22	15	SPARE	0A		
SPACE	23	C	24	SPACE	0A			
SPACE	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	0A			
SPACE	43	A	44	SPACE	0A			
SPACE	45	B	46	SPACE	0A			
SPACE	47	C	48	SPACE	0A			
SPACE	49	A	50	SPACE	0A			
SPACE	51	B	52	SPACE	0A			
SPACE	53	C	54	SPACE	0A			
SPACE	55	A	56	SPACE	0A			
SPACE	57	B	58	SPACE	0A			
SPACE	59	C	60	SPACE	0A			

TOTAL LOAD:  
A - 840VA  
B - 840VA  
C - 720VA

TOTAL AMPS:  
A - 7A  
B - 7A  
C - 6A

BUSSING: 225A RATED		PANEL '1B			
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