

LEGEND	
	ELECTRICAL PANEL
	NON-FUSED DISCONNECT SWITCH
	MOTOR CONNECTION (SINGLE OR THREE PHASE)
	MAIN SWITCH BOARD
	15A, 120V DUPLEX T-SLOT GROUND FAULT INTERRUPTER RECEPTACLE.
	DOOR OPERATOR
	OUTLET FOR PUSH TO LOCK
	OUTLET FOR PUSH TO UNLOCK
	STROBE LIGHT FOR EMERGENCY RESPONSE SYSTEM
	PATIENT UNIT FOR EMERGENCY RESPONSE SYSTEM
	OCCUPIED LIGHT FOR EMERGENCY RESPONSE SYSTEM
	EMERGENCY RESPONSE SYSTEM
	DOOR HOLD OPEN DEVICE
	FIRE ALARM CONTROL PANEL
	PHOTOELECTRIC TYPE SMOKE DETECTOR
	EMERGENCY LIGHTING FIXTURE
	EMERGENCY LIGHTING FIXTURE AND BATTERY
	AUDIBLE & VISUAL DEVICE
	DIRECT HARDWIRE CONNECTION
	PA SPERAKER

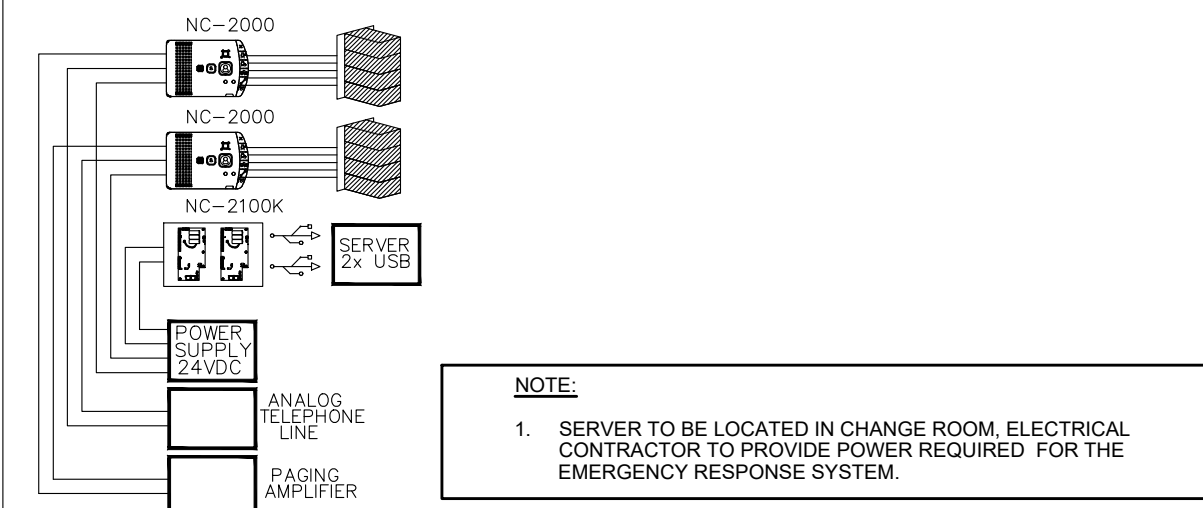
ELECTRICAL DRAWING LIST

- E1.0 ELECTRICAL LEAD SHEET, DETAILS, KEY PLAN
E1.1 PANEL SCHEDULE DEMO AND PROPOSED
E2.0 DEMOLITION POWER AND LIGHTING FLOOR PLAN
E3.0 PROPOSED POWER AND LIGHTING FLOOR PLAN.
E4.0 ELECTRICAL SPECIFICATIONS

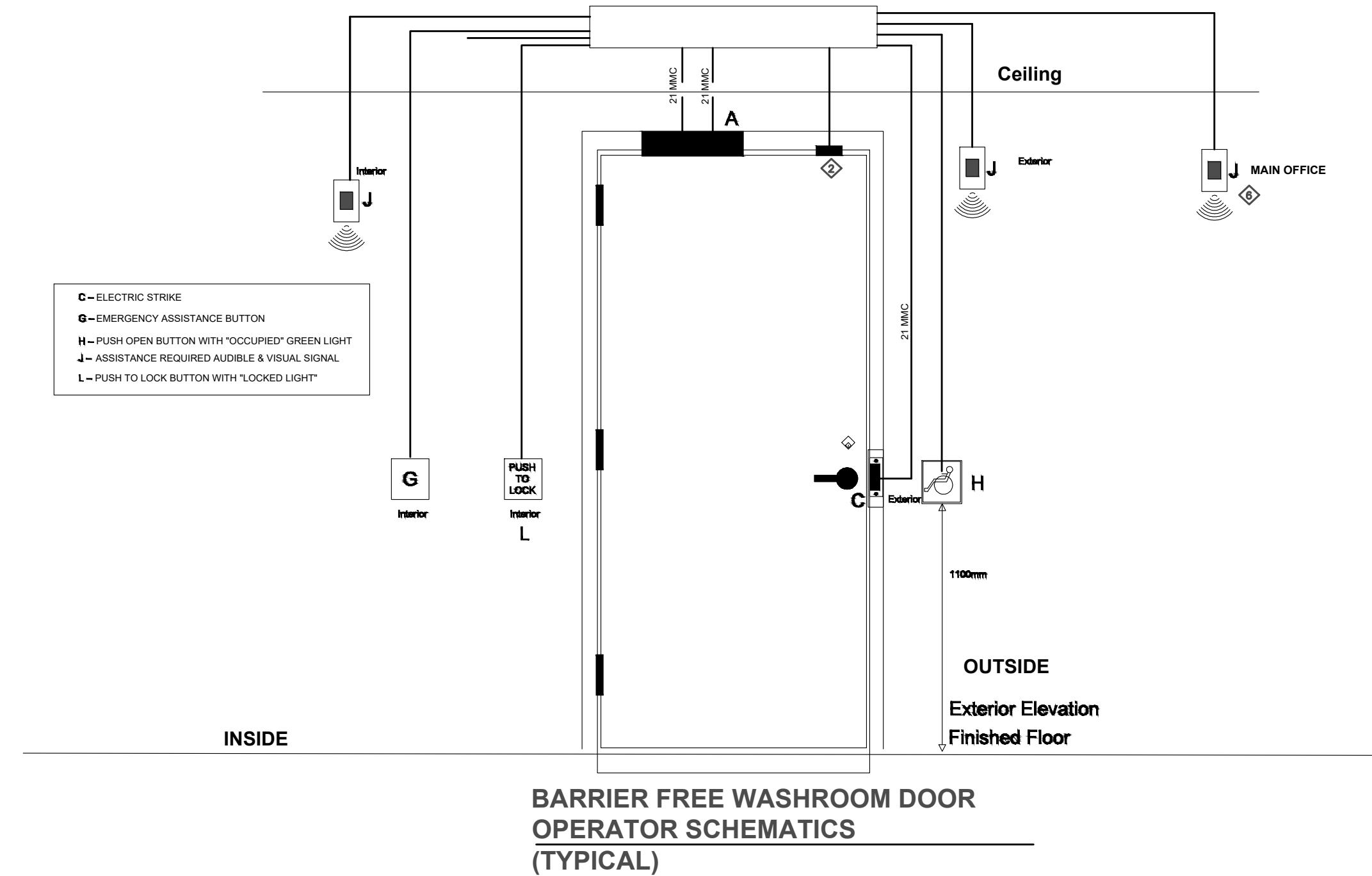
BARRIER FREE WASHROOM DOOR
OPERATOR SCHEMATICS
(TYPICAL)

EMERGENCY RESPONSE SYSTEM FOR WASHROOMS	
1.	CONTRACTOR TO PROVIDE AND INSTALL EMERGENCY RESPONSE SYSTEM FOR THE WASHROOMS.
2.	BASIS OF DESIGN IS MIRCOM. EQUIVALENT PRODUCT BY OTERH MANUFACTURERES ACCEPTABLE BASED ON SHOP DRAWING REVIEW.
MICARE SYSTEM CONSIST OF THE FOLLOWING:	
CO-ORDINATOR BUNDLE	NC-2100K 1 EACH
SOFTWARE	NC-2100SW 1 EACH
4 LED MULTIDOME LIGHT	NC-4LED 4 EACH
PATIENT UNIT	NC-2000 4 EACH
SERVER	1 EACH
ROUTER	1 EACH
3 GANG ELECTRICAL BOX	3-FW5W-UPC 4 EACH
ELECTRICAL BOX	TXW-PS24BB 1 EACH
24V POWER SUPPLY	PS-MD-200 1 EACH
CABLE 1 FOOT	200
EOL-103	END OF LINE RESISTOR (10K)
3.	ELECTRICAL CONTRACTOR SHALL INSTALL THE SYSTEM AS PER MANUFACTURER'S INSTRUCTIONS.
4.	PROVIDE AND INSTALL COMPLETE SYSTEM TO MEET THE CODE REQUIREMENTS. CO-ORDINATE WITH MIRCOM (CHRIS SCOTT #647-464-9972) AND INSTALL SYSTEM AS PER MANUFACTURER'S INSTRUCTIONS.
5.	ONCE SYSTEM IS INSTALLED AND TESTED, PROVIDE REQUIRED TRAINING TO THE MAINTENANCE STAFF.

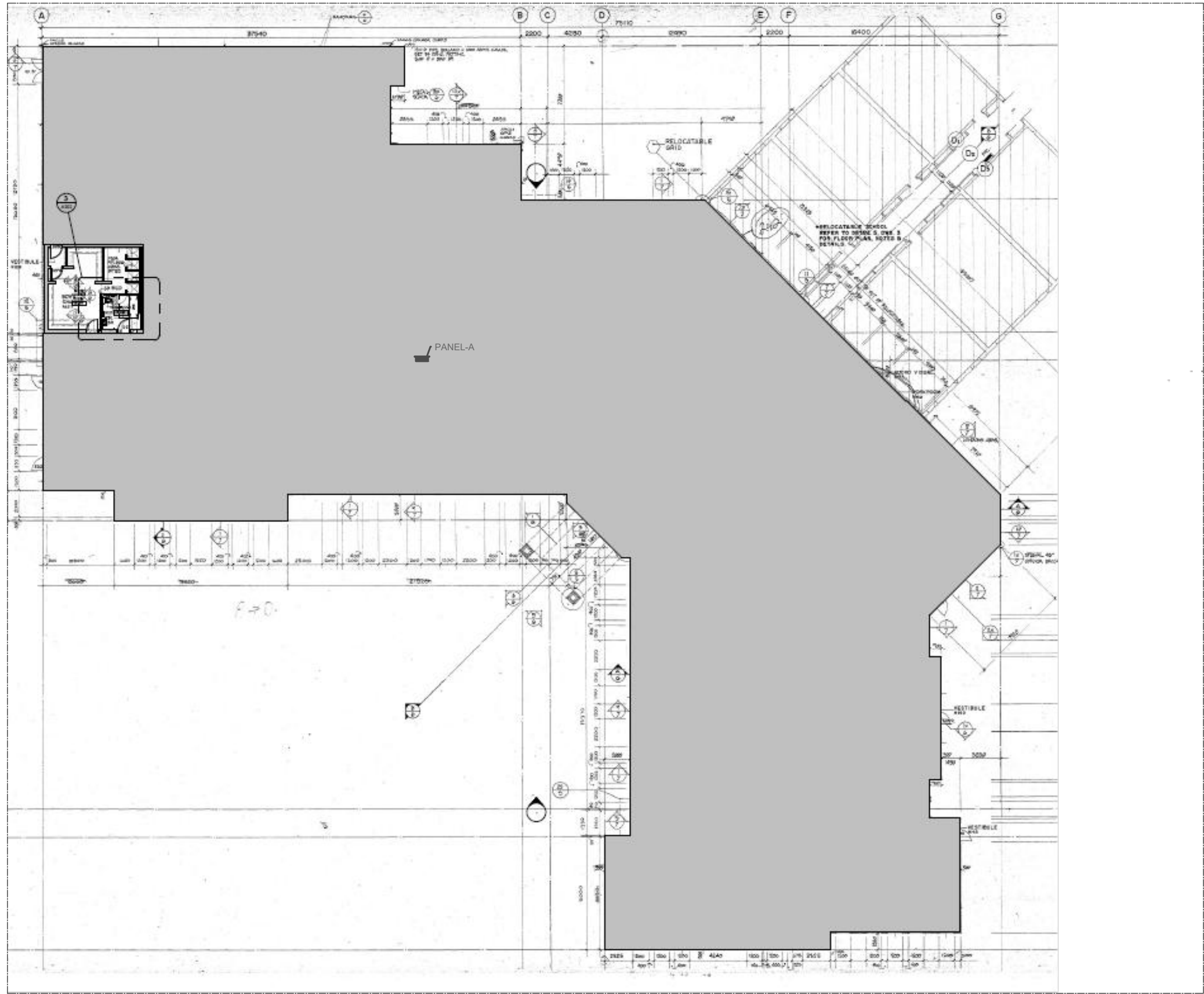
TYPICAL FLOOR PLAN FOR EACH WASHROOM



LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MAKE/MODEL	VOLT	LUMEN	LAMP			MOUNT	REMARKS
					WATT	TYPE	COL.		
A	LITELINE 1"X4"CEILING RECESSED LIGHTING FIXTURE, WET LOCATIONS	LITELINE LEDP-14-WH-40-30-120-L EQUALS: PEERLESS-ELECTRIC AND COLUMBIA	120	3190	30	LED	4000	DRYWALL CEILING RECESSED	



BARRIER FREE WASHROOM DOOR
OPERATOR SCHEMATICS
(TYPICAL)



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ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROJECT :

PROFESSIONAL SEAL :



DWG TITLE :

ELECTRICAL LEAD SHEET,
DETAILS,KEY PLAN



REGAL CONSULTING ENGINEERS INC
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905)444-3913
www.regal-eng.com

DATE : MAR 2026

SCALE :

DRAWN BY: NTS

CHECKED BY: SYMA

DWG STATUS :

PROJECT No. : 2025-504-3

DRAWING No. : E1.0

REVISION

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the Architect and must be returned upon completion of the work.		
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JECT: ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO

PROJECT:

PROFESSIONAL SEAL



DWG TITLE

PANEL SCHEDULE DEMO AND PROPOSED



REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
208 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905)844-3913
www.regal-eng.com

DATE : MAR 2026

SCALE : NTS

DRAWN BY:

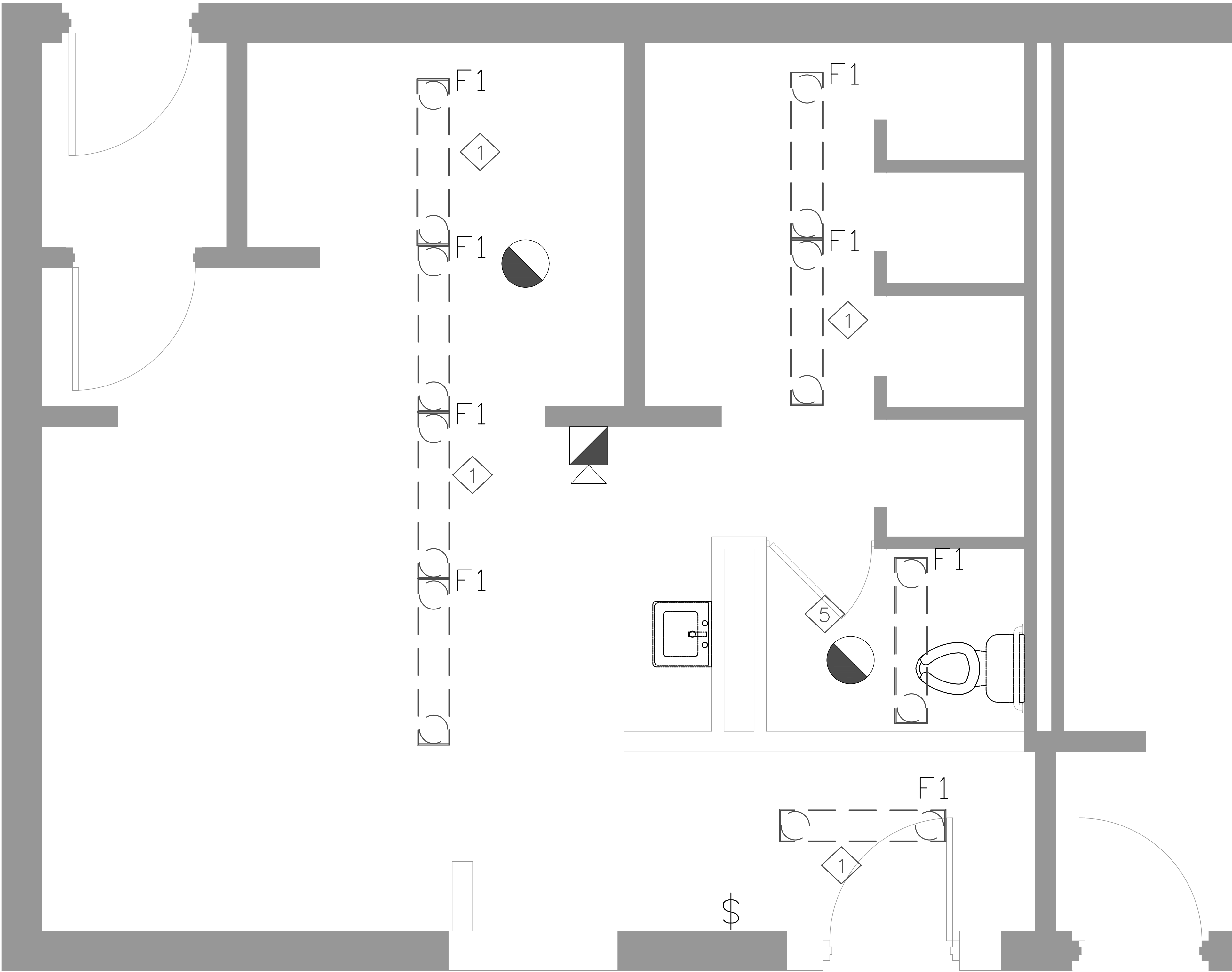
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DWG STATUS :

PROJECT No. : 2025-504-3

DRAWING No. : E1.1

REVISION



1
E2.0

DEMOLITION POWER AND LIGHTING LAYOUT

SCALE 1:20

DEMOLITION NOTES:

1. ELECTRICAL CONTRACTOR TO REMOVE EXISTING LIGHTINGS FIXTURE, AS SHOWN.
2. ELECTRICAL CONTRACTOR TO DISCONNECT ALL WIRING FOR EXISTING LIGHTING FIXTURE, MARK CIRCUIT AS SPARE.
3. ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING LIGHTING FIXTURE WITHOUT DISTURBING THE EXISTING LIFE SAFETY DEVICES IN THE EXISTING CEILING. IF BY MISTAKE EXISTING LIFE SAFETY DEVICES ARE DAMAGED THEN CONTRACTOR TO REPLACE WITH NO ADDITIONAL COST.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL RELATED ELECTRICAL WORK. ENSURE ALL CONNECTIONS TO MECHANICAL EQUIPMENT ARE INSTALLED PER MANUFACTURER REQUIREMENTS.
5. ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE THE HEAT DETECTOR FROM THE WASHROOM AND WITHOUT DISTURBING THE OTHER DEVICES IN THE EXISTING WASHROOM CAREFULLY CONNECT THE LOOP TO OTHER EXISTING LIFE SAFETY DEVICES.
6. THE ELECTRICAL CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT, DEVICES, AND CABLES DURING WORK. ANY DAMAGED COMPONENTS SHALL BE REPLACED AT NO ADDITIONAL COST.
7. THE ELECTRICAL CONTRACTOR SHALL ENSURE ALL WORK COMPLIES WITH THE ONTARIO ELECTRICAL SAFETY CODE AND OBTAIN NECESSARY INSPECTIONS AND APPROVALS.

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PROFESSIONAL SEAL :



DWG TITLE :

DEMOLITION POWER AND LIGHTING



REGAL CONSULTING ENGINEERS INC.
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
288 Wyecroft Road, Suite 200, Oakville, ON L6K 3S3
PHONE: (905) 844-3913
www.regal-eng.com

DATE : MAR 2026

SCALE : AS SHOWN

DRAWN BY: SY

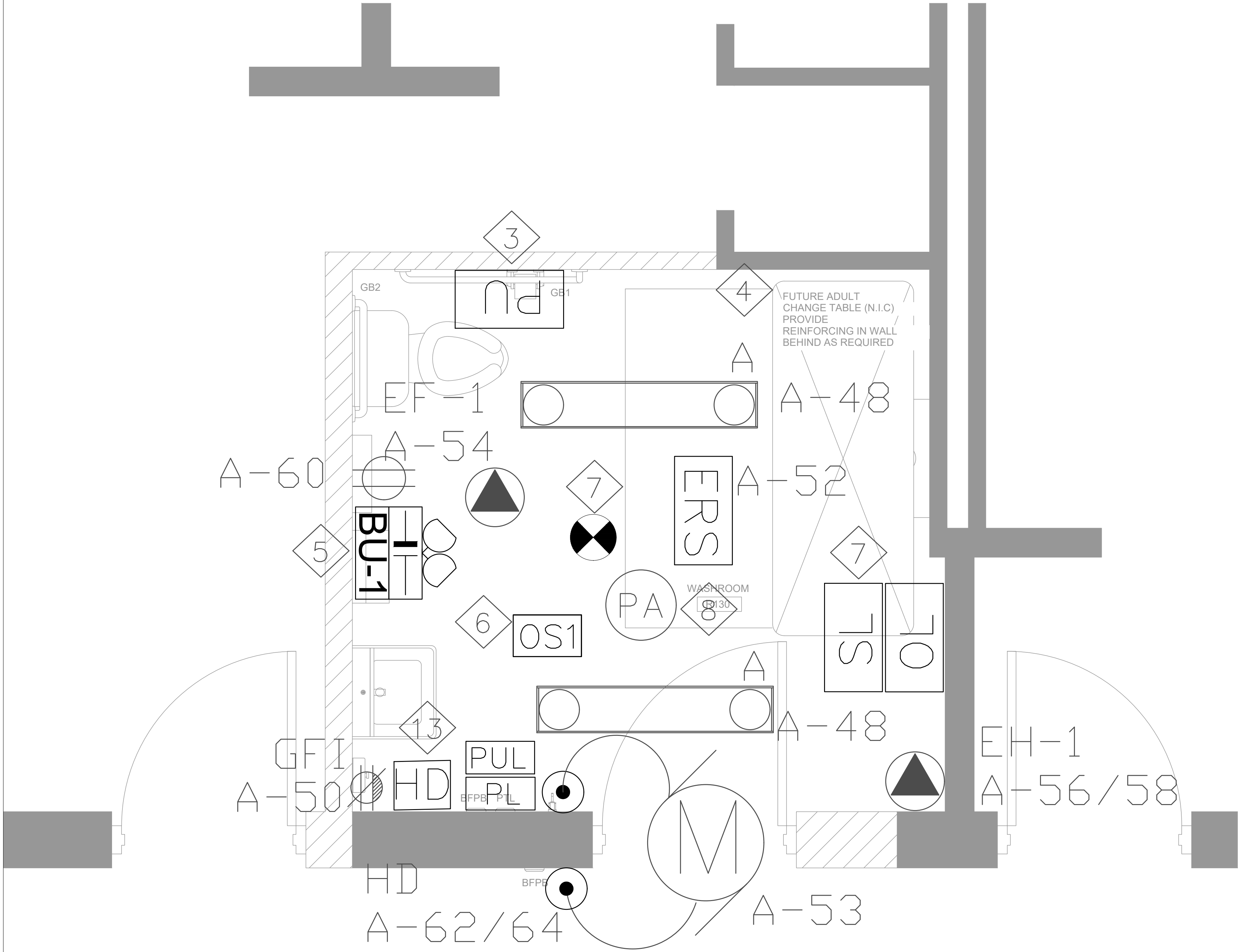
CHECKED BY: MA

DWG STATUS :

PROJECT No. : 2025-504-3

DRAWING No. : E2.0

REVISION



1 PROPOSED POWER AND LIGHTING LAYOUT
E3.0 SCALE 1:15

1. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL NEW LIGHTING FIXTURE WITH RE-UTILIZE THE EXISTING LIGHTING CIRCUIT.
2. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT WITH PULL STRING FOR NURSE SYSTEM IN THE CEILING SPACE OF B/F WASHROOM.
3. SPECIALIZED CONTRACTOR FOR NURSES CALL SYSTEM WILL INSTALL COMPLETE SYSTEM WITH CONTROLLER .
4. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT AND PULL STRING WITH 20A ,2P BREAKER AS SPARE IN THE PANEL FOR FUTURE ADULT CHANGE BED (N.I.C).
5. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMERGENCY BATTERY BACK LIGHT AS SHOW IN LAYOUT.
6. CONTRACTOR TO INSTALL OCCUPANCY SENSORS FOR CONTROL OF LIGHTING IN B/F WASHROOM.
7. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT WITH PULL STRING FOR NEW SMOKE DETECTOR, FIRE ALARM HORN & STROBE AS SHOWN.
8. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL EMT CONDUIT WITH PULL STRING FOR PA SPEAKER AS SHOWN.
9. CONTRACTOR TO PROVIDE AND INSTALL SMOKE DETECTOR AS SHOWN , CONNECT TO EXISTING SYSTEM, ALLOW FOR TESTING AND VERIFICATION OF THE FIRE ALARM DECEIVES.
10. CONTRACTOR TO PROVIDE AND INSTALL PA SPEAKER AS SHOWN AND CONNECT TO EXISTING SYSTEM.
11. CONTRACTOR TO PROVIDE AND INSTALL NEW FIRE ALARM HORN & STROBE AS SHOWN. CONTRACTOR TO MAKE SURE THE SOUND OF NEW FIRE ALARM HORN SYNCHRONIZED WITH EXISTING FIRE ALARM HORNS. ALLOW FOR TESTING AND VERIFICATION OF THE FIRE ALARM DEV ICES.
12. EXHAUST FAN SHALL INTERLOCK WITH THE LIGHTING FIXTURES.OCCUPANCY SENSOR SHALL CONTROL THE LIGHTING FIXTURES AND THE EXHAUST FAN.
13. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL HAND DRYER AS SHOWN.
14. HAND DRYER BRAND XLERATOR HAND DRYER MODEL : XL-SB BRUSHED STAIN LESS, (COLOR TO BE SELECT BY ARCHITECTURE) ELECTRICAL SPECIFICATION 208-240V, 1500W.
15. ELECTRICAL CONTRACTOR SHALL PROVIDE EMT CONDUIT AND WIRE FOR HAND DRYER AND INSTALL 20A, 2POLE BREAKER TO PANEL A TO CONNECT THE HAND DRYER.
16. ELECTRICAL CONTRACTOR SHALL GFI SOCKET AS SHOWN ON THE ELECTRICAL DRAWINGS, AS REQUIRED FOR THE WASHROOM RENOVATION. ALLOW FOR EXTENDING CABLES AND CONDUITS.

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ST. JAMES CATHOLIC SCHOOL
10 CLOVER RIDGE WEST, AJAX, ONTARIO



DWG TITLE :
PROPOSED POWER AND LIGHTING PLAN



DATE :	MAR 2026
SCALE :	AS SHOWN
DRAWN BY:	SY
CHECKED BY :	MA
DWG STATUS :	
PROJECT No. :	2025-504-3
DRAWING No. :	E3.0
REVISION	

