

**1 KEY PLAN**  
E-1 SCALE: N.T.S.

ELECTRICAL DRAWINGS LIST	
DRAWING NO.	DRAWING TITLE
E-1	ELECTRICAL - KEY PLAN, LEGEND, NOTES, SCHEDULES
E-2	ELECTRICAL - PART PLANS REFRIGERATION ROOM DEMOLITION AND PROPOSED LAYOUT
E-3	ELECTRICAL - PART PLANS HVAC DEMOLITION AND PROPOSED LAYOUT

- NOTES:**
- ALL EXISTING INFORMATION TO BE CONFIRMED. CONDUITS AND WIRING ARE SHOWN BASED ON AVAILABLE AS-BUILT INFORMATION ONLY AND CONTRACTOR TO CONFIRM ON SITE AS REQUIRED. INFORMATION IS PROVIDED AS A REFERENCE FOR DEMOLITION AND RE-FEEDING/RE-ROUTING REQUIREMENTS AS DESCRIBED WITHIN THE CONTRACT.
  - ALL DIMENSIONS AND INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB SITE AND ANY DISCREPANCIES MUST BE REPORTED BEFORE COMMENCING THE WORK.
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME INFORMED OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL SERVICES, AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWINGS AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES IN WORKING AREA PRIOR TO CONSTRUCTION AND SHALL PROTECT THESE SERVICES TO THE SATISFACTION OF THE AGENCY. DAMAGES BY THE CONTRACTOR SHALL BE RESTORED TO THE SATISFACTION OF THE AGENCY AT NO EXPENSE TO THE AGENCY.
  - REMOVE ALL UNNECESSARY ELECTRICAL CONDUIT, WIRING AND EQUIPMENT FROM THE EXISTING PROJECT AREA BEING RENOVATED AS INDICATED IN THE SPECIFICATIONS AND DRAWINGS AND AS DIRECTED ON SITE. THE DRAWINGS DO NOT INDICATE ALL ITEMS TO BE REMOVED OR REWORKED.
  - DURING SITE VISIT, EXAMINE THE CONDITIONS AND MAKE NECESSARY ALLOWANCES IN THE TENDER PRICE FOR REMOVAL, REROUTING, RELOCATION AND RECONNECTION OF ELECTRICAL EQUIPMENT AND WIRING AS MAY BE NECESSARY FOR THE EXECUTION AND COMPLETION OF THE PROJECT, EXTRA CHARGES FOR PREMIUM TIME SHALL BE INCLUDED IN THE TENDER AMOUNT.
  - WIRING LOCATED IN AREAS BEING ALTERED OR DEMOLISHED, BUT FEEDING LIGHTING, OUTLETS OR EQUIPMENT REQUIRED TO REMAIN IN SERVICE SHALL BE REROUTED AS REQUIRED TO MAINTAIN THE CONTINUITY OF THESE SERVICES. ALL COSTS SHALL BE INCLUDED IN THE CONTRACT.
  - FISH ALL CONDUIT AND PROVIDE NYLON PULL STRINGS AND #12AWG RWU90 WIRES IN ALL NEW & EXISTING CONDUITS WHERE WIRING IS INSTALLED AND WHERE CONDUITS ARE BEING LEFT AS SPARES.
  - ALL PENETRATIONS IN ROOF, WALLS AND CEILING FOR CONDUIT CROSSING TO BE SEALED AND FIRE STOPPED.
  - REMOVE & DISPOSE OF ALL EXISTING REDUNDANT CONDUIT AND WIRING.
  - ALL CONDUITS AND BOXES TO BE LABELED AS PER CONSULTANTS/AGENCY'S INSTRUCTIONS.
  - ALL EXISTING LIFE SAFETY SYSTEMS AND ESSENTIAL SYSTEMS SHALL REMAIN OPERATIONAL DURING CONSTRUCTION PERIOD.
  - THE INSTALLATION SHALL BE INSPECTED BY ESA. INCLUDE INSPECTION CERTIFICATION IN CLOSEOUT MANUAL.
  - COORDINATE THE ELECTRICAL WORK WITH OTHER TRADES. ASSIST MECHANICAL TRADE TO DE-ENERGIZE ELECTRICAL FEEDERS TO MECHANICAL EQUIPMENT.
  - ALL WIRES SHALL BE COPPER ONLY AND SHALL BE INSTALLED INSIDE CONDUITS, NO EXCEPTIONS.

- LEGEND:**
- THREE PHASE DISCONNECT SWITCH (NON FUSED)
  - SINGLE PHASE STARTER
  - JUNCTION BOX
  - ELECTRICAL EQUIPMENT AS NOTED
  - SNOW MELT PUMP
  - DE-SUPER HEATER PUMP

- ABBREVIATIONS:**
- R EXISTING EQUIPMENT TO BE REMOVED
  - W/P COMPLETE WITH



NO.	DATE	REVISIONS
2	26/05/23	ISSUED FOR TENDER
1	02/05/23	ISSUED FOR 100% REVIEW

DRAWN BY: R.V.G.  
CHECKED BY: T.B.

NORTH

COMPRESSORS										
EQUIP. NO.	POWER SUPPLY V/PH/Hz	MOTOR POWER HP	STARTER & DISC SW.				CONTROLS			REMARKS
			SUPPLIED BY		INSTALLED BY		AUTO	INTERLOCK BY		
			MECH	ELECT	MECH	ELECT		MECH	ELECT	
C-1	575/3/60	50	X	-	X	-	X	X	-	NEW 3#6+GRD
C-2	575/3/60	50	X	-	X	-	X	X	-	NEW 3#6+GRD

NOTES: X- INDICATES THE SCOPE OF A SPECIFIC DIVISION.

PUMPS										
EQUIP. NO.	MOTOR		STARTER				CONTROLS			REMARKS
	MOTOR HP	POWER SUPPLY V/PH/Hz	SUPPLIED BY		INSTALLED BY		AUTO	INTERLOCK BY		
			MECH	ELECT	MECH	ELECT		MECH	ELECT	
SP-1	0.5	120/1/60	-	X	-	X	X	X	-	NEW SINGLE PHASE STARTER
DP-1	0.25	120/1/60	-	X	-	X	X	X	-	NEW SINGLE PHASE STARTER

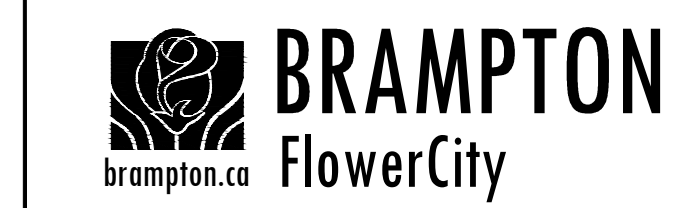
NOTES: X- INDICATES THE SCOPE OF A SPECIFIC DIVISION.

DEHUMIDIFIERS											
EQUIP. NO.	MOTOR HP	MCA	POWER SUPPLY V/PH/Hz	STARTER & DISC SW.				CONTROLS			REMARKS
				SUPPLIED BY		INSTALLED BY		AUTO	INTERLOCK BY		
				MECH	ELECT	MECH	ELECT		MECH	ELECT	
DH-1	3	15	575/3/60	X	-	X	-	X	X	-	NEW 30A-3P DISCONNECT SWITCH
DH-2	3	15	575/3/60	X	-	X	-	X	X	-	NEW 30A-3P DISCONNECT SWITCH

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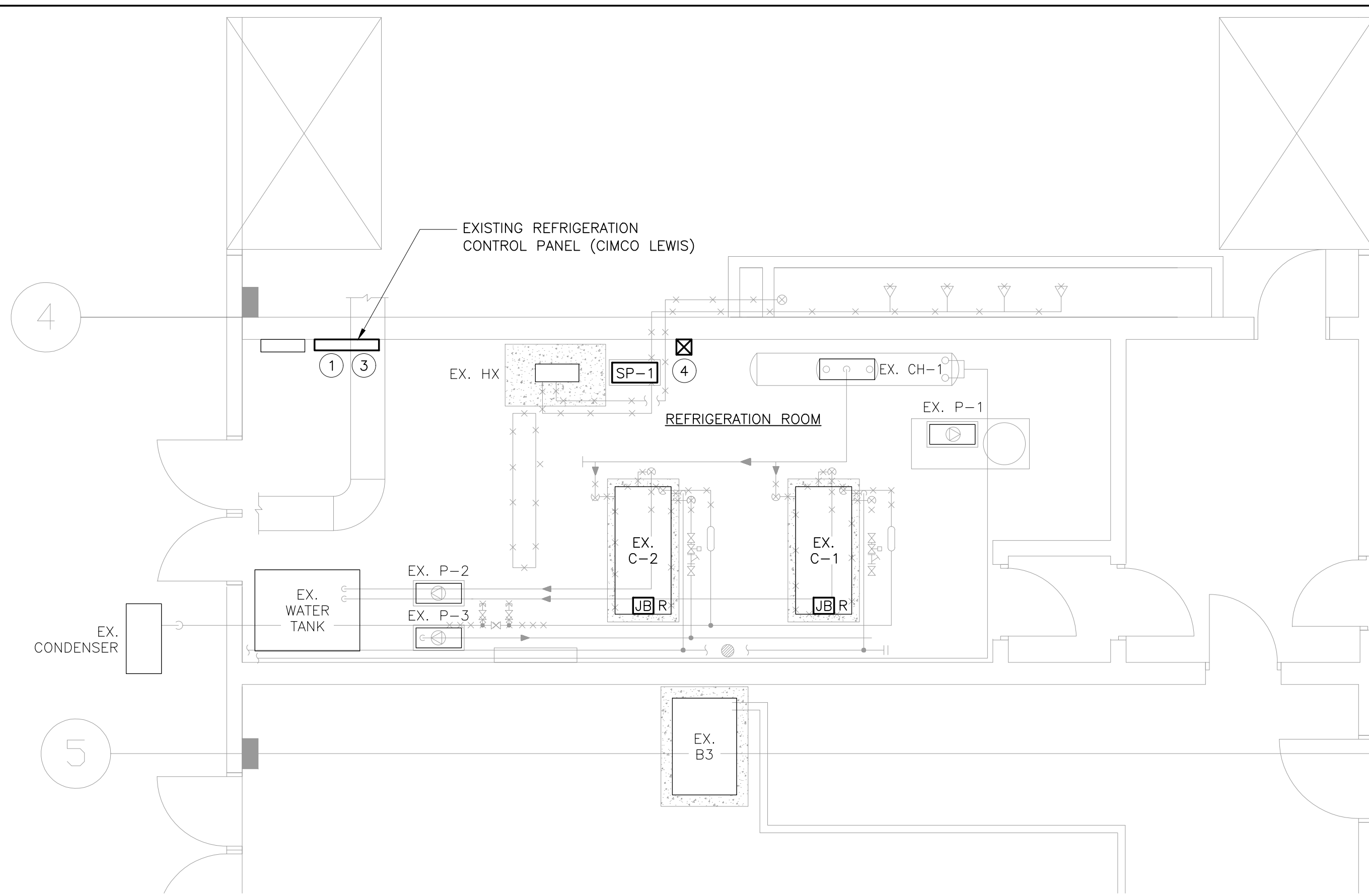
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TITLE  
**TERRY MILLER RECREATION CENTRE**  
1295 WILLIAMS PARKWAY EAST  
BRAMPTON, ON  
**ELECTRICAL**  
KEY PLAN, LEGEND, NOTES AND SCHEDULES

DATE: <b>MAR. 2023</b>	SCALE: N.T.S.
FILE NO.: 6664-E-1.dwg	DRAWING NO.: <b>E-1</b>



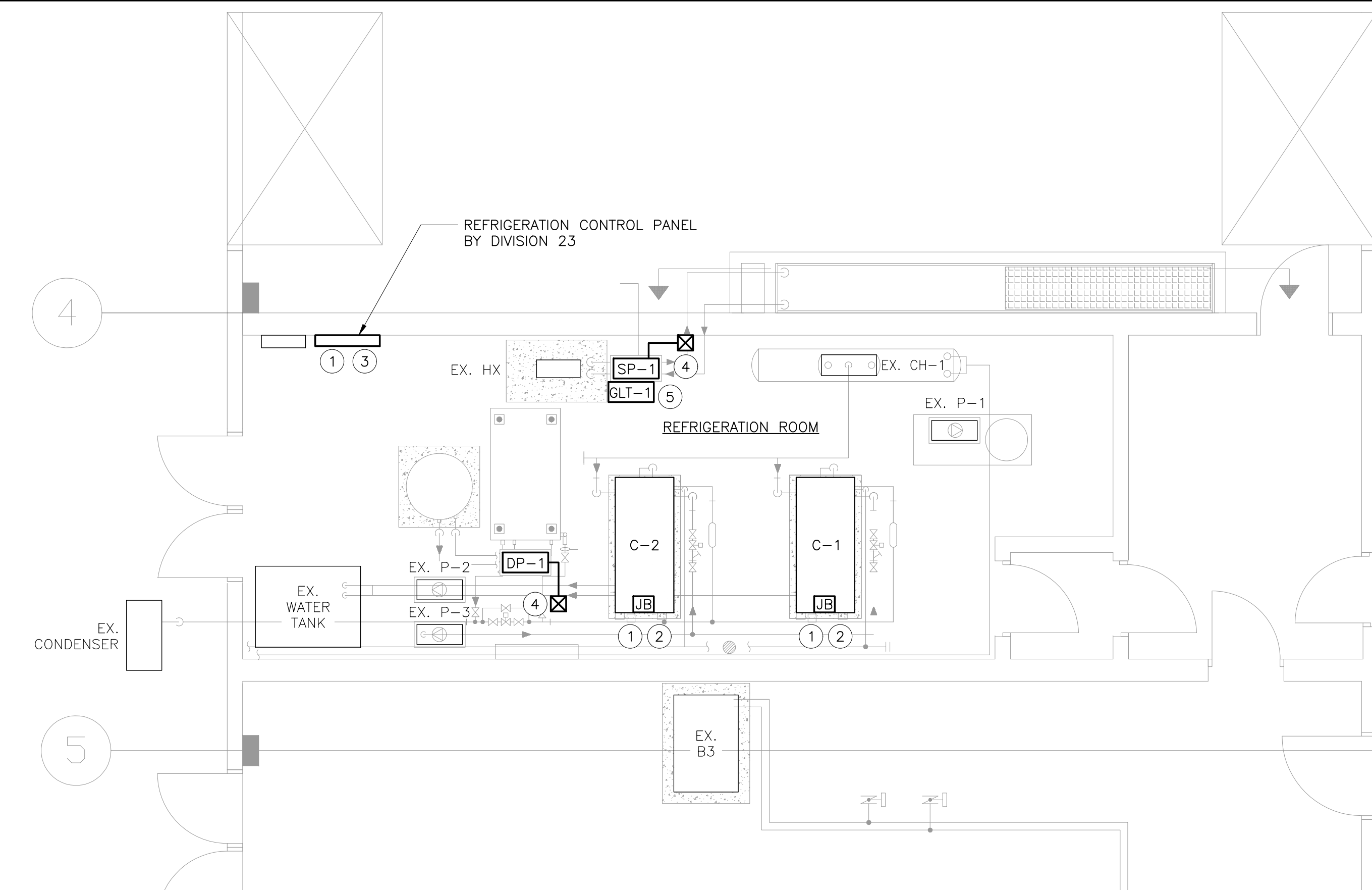
**1 MECHANICAL ROOM AND REFRIGERATION ROOM - ELECTRICAL DEMOLITION PLAN**

E-2 SCALE: 1:50



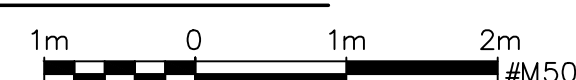
**INSTALLATION NOTES:**

- ① PROVIDE NEW POWER WIRES (3#6+GRD) FROM REFRIGERATION CONTROL PANEL TO COMPRESSOR MOTOR TO REPLACE EXISTING OLD WIRING IN SAME UNDERGROUND CONDUIT.
- ② PROVIDE NEW JUNCTION BOX TO CONNECT MOTOR POWER LEAD WIRES.
- ③ NEW REFRIGERATION CONTROL IS SUPPLIED BY DIVISION-23 AND THE COMPRESSOR MOTOR WIRED BY DIVISION-26. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
- ④ REPLACE EXISTING SINGLE-PHASE STARTER WITH NEW STARTER COMPLETE WITH NEW POWER WIRES (2#10+GRD). REFER SCHEDULE. REPLACE EXISTING BREAKER WITH NEW BREAKER IN EXISTING PANEL J-1 IN MECHANICAL ADJACENT ROOM.
- ⑤ PROVIDE 115VAC CIRCUIT OUTLET C/W 15A-1P BREAKER AND 2#12+GRD IN 21mmC TO FEED GLYCOL PUMP FROM EXISTING PANEL (J-1) IN MECHANICAL ROOM.



**2 MECHANICAL ROOM AND REFRIGERATION ROOM - ELECTRICAL PROPOSED PLAN**

E-2 SCALE: 1:50



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 CHECKED BY: T.B.  
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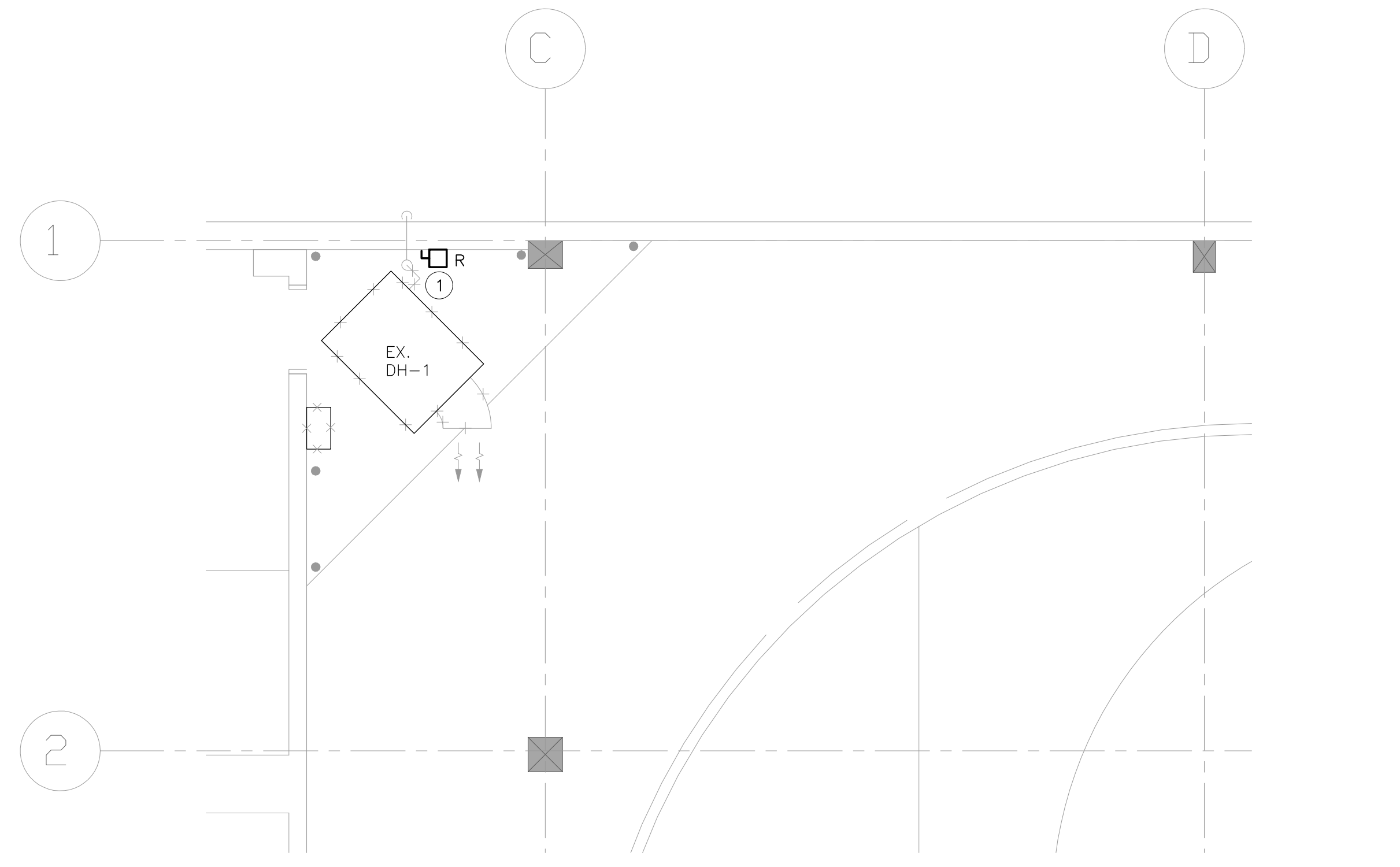


TITLE  
**TERRY MILLER RECREATION CENTRE**  
 1295 WILLIAMS PARKWAY EAST  
 BRAMPTON, ON  
**ELECTRICAL**  
**PART PLANS REFRIGERATION ROOM**  
**DEMOLITION & PROPOSED PLAN**

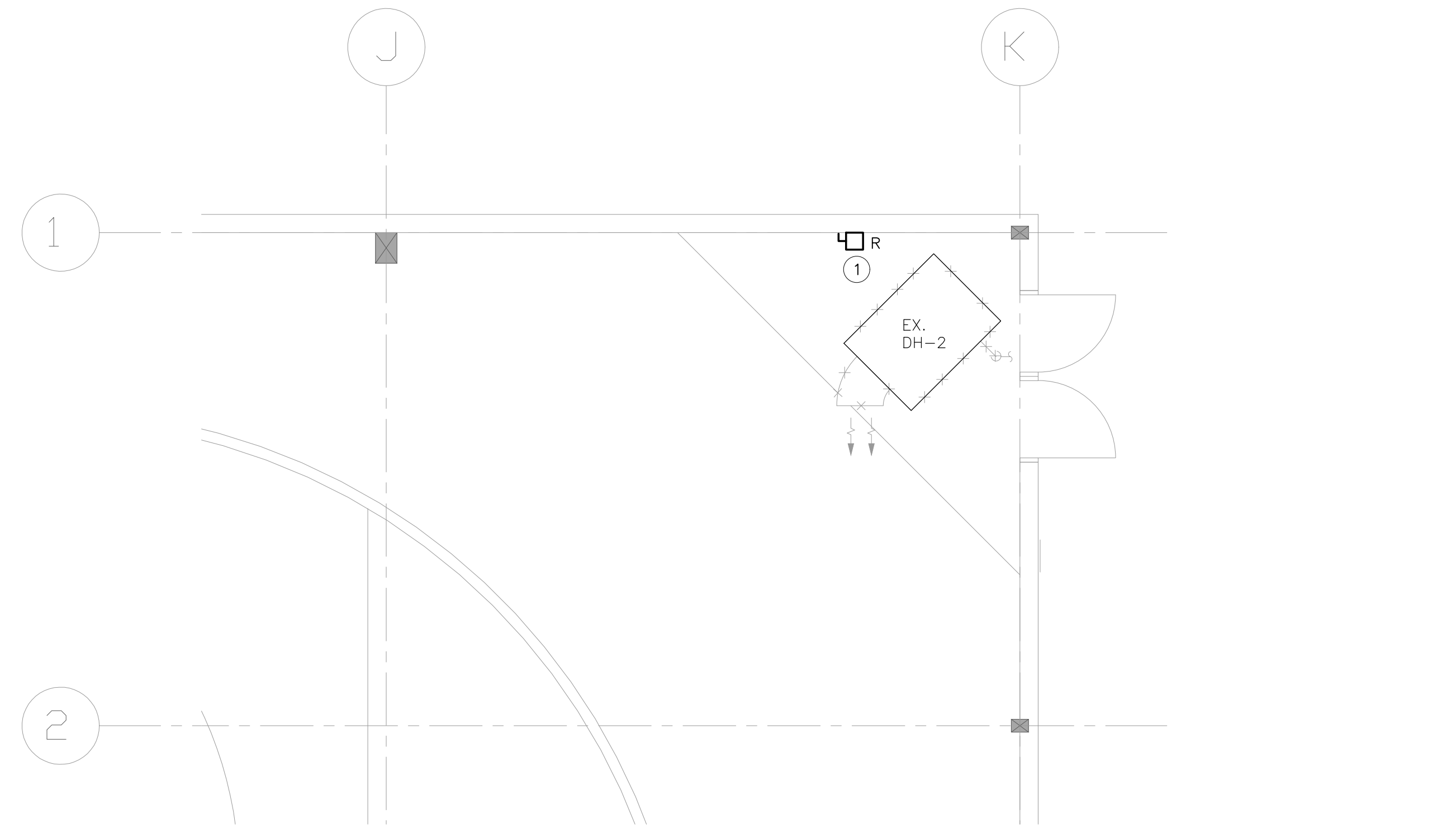
DATE: MAR. 2023	SCALE: 1:50
FILE NO.: 6664-E-2.dwg	DRAWING NO.: E-2

**INSTALLATION NOTES:**

- ① REPLACE EXISTING 30A-3P DISCONNECT SWITCH WITH NEW DISCONNECT SWITCH (NON-FUSED) C/W NEW 3#10+GRD IN 21mm WATERTIGHT CONDUIT FROM SWITCH TO EQUIPMENT.



**1 PART FLOOR HVAC - ELECTRICAL DEMOLITION PLAN**  
E-3 SCALE: 1:50



**2 PART FLOOR HVAC - ELECTRICAL DEMOLITION PLAN**  
E-3 SCALE: 1:50



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NORTH

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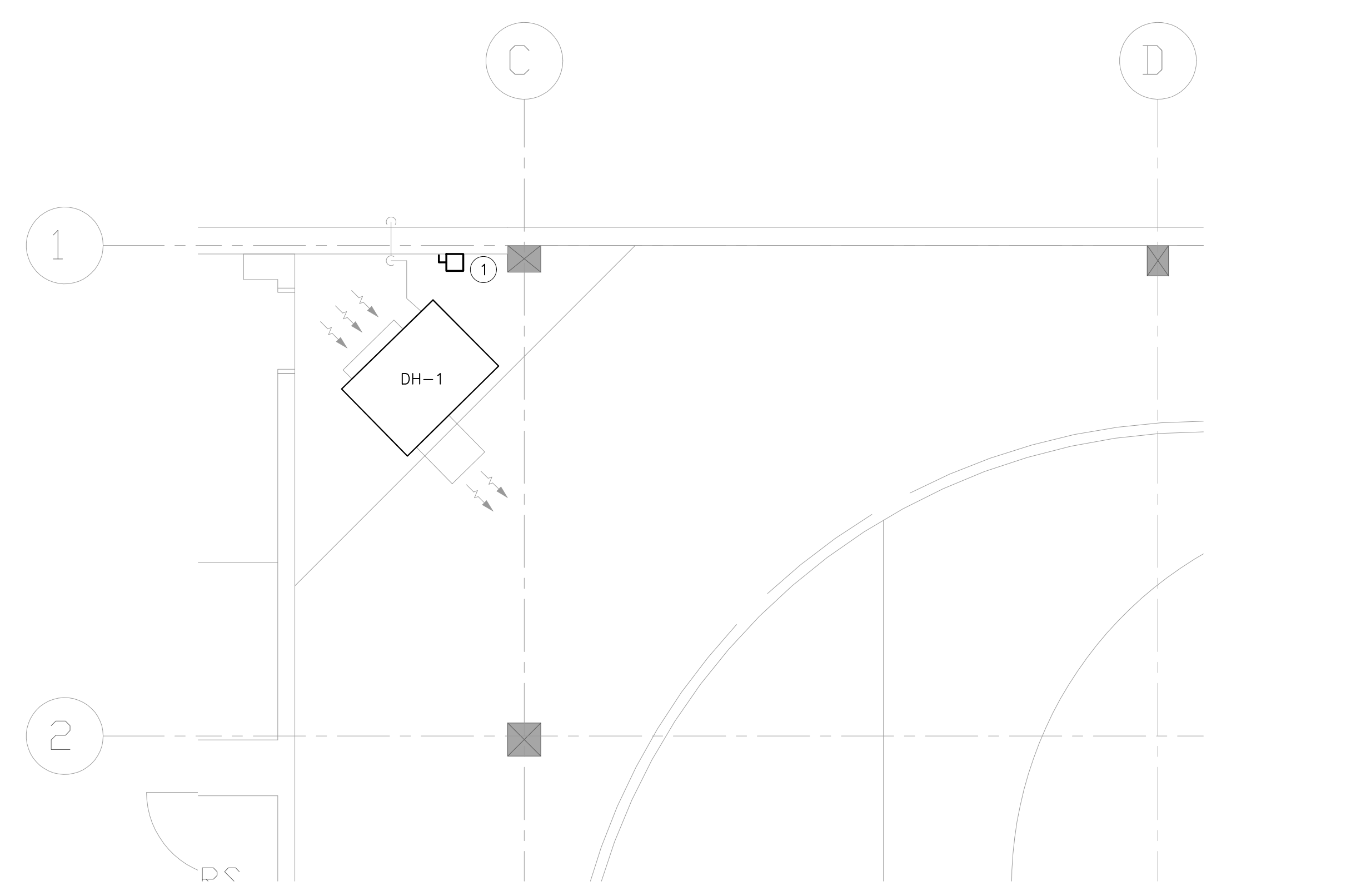
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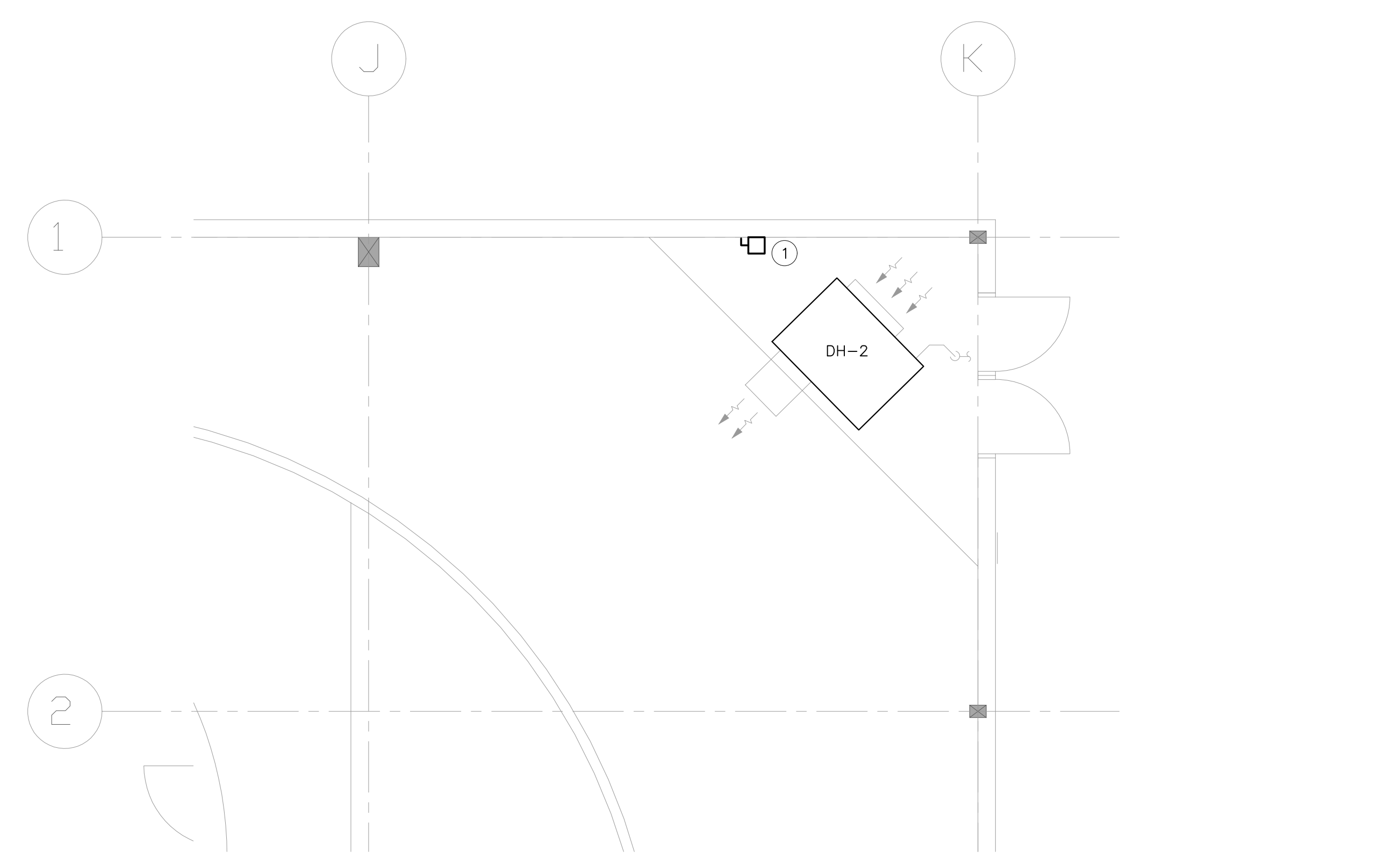
TITLE  
**TERRY MILLER RECREATION CENTRE**  
1295 WILLIAMS PARKWAY EAST  
BRAMPTON, ON  
**ELECTRICAL**  
**PART PLANS REFRIGERATION ROOM**  
**DEMOLITION & PROPOSED PLAN**

DATE: MAR. 2023 SCALE: 1:50

FILE NO.: 6664-E-3.dwg DRAWING NO.: E-3



**3 PART FLOOR HVAC - ELECTRICAL PROPOSED PLAN**  
E-3 SCALE: 1:50



**4 PART FLOOR HVAC - ELECTRICAL PROPOSED PLAN**  
E-3 SCALE: 1:50

