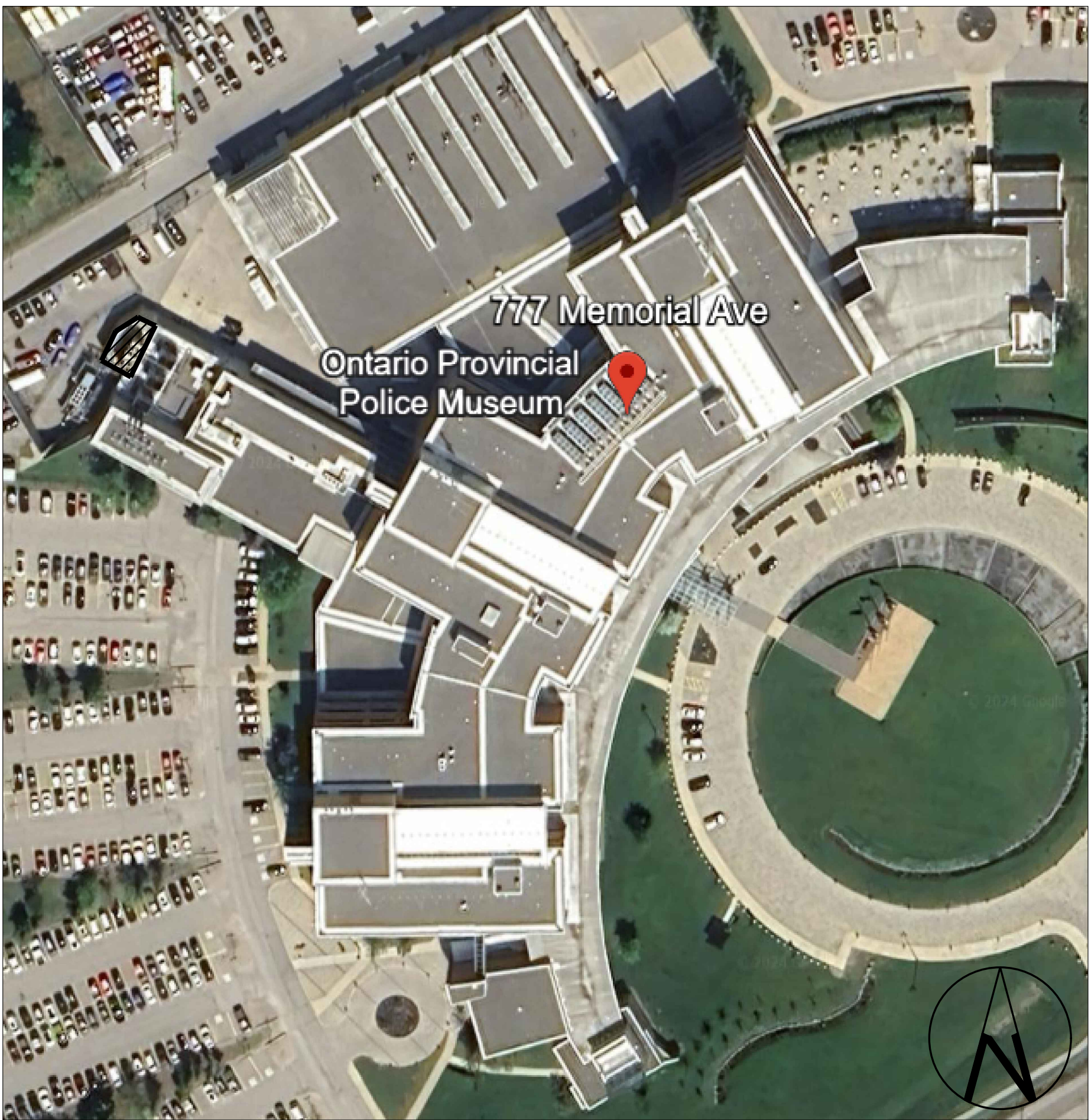


COLLIERS PROJECT LEADERS

ABSORPTION CHILLER
DECOMMISSIONING

CLIENT PROJECT #: 230467-274385
M4S PROJECT #: 24279

777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3



KEY PLAN
AREA IN CONTRACT

CONTENT	ISSUED FOR	DATE	FILE No.
MECHANICAL DRAWINGS	TENDER	2025/04/11	24279-M
ELECTRICAL DRAWINGS	TENDER	2025/04/11	24279-E

DRAWING LIST	
DWG NO.	DESCRIPTION
CP-000	COVER PAGE AND DRAWING LIST
M-001	KEY PLAN
M-100	GENERAL NOTES, LEGENDS, SCHEDULES
M-300	MECHANICAL ROOM - GROUND FLOOR & M1 - DEMOLITION
M-301	MECHANICAL ROOM - ROOF - DEMOLITION
M-1000	DETAILS
E-100	GENERAL NOTES, LEGENDS, SCHEDULES
E-300	MECHANICAL AND GENERATOR ROOMS - POWER & SYSTEMS - DEMO
E-301	MECHANICAL ROOM - ROOF - POWER & SYSTEMS - DEMO
S-01	ROOF OPENING REPAIRS DETAILS



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No	Revisions	Date
3	ISSUED FOR TENDER	2025/04/11
2	ISSUED FOR 99% SUBMISSION	2025/03/19
1	ISSUED FOR 33% SUBMISSION	2025/01/31

Orientation	Seal

The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A	A Detail No
B	B Sheet No where detailed



Ministry PSIF Number
—
Project
ABSORPTION CHILLER DECOMMISSIONING

Location
777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3
B1 Project No. 230467-274385 N06689 B2 Building No. B25370

Client
INFRASTRUCTURE ONTARIO

Drawing Title
COVER PAGE AND DRAWING LIST

Scale N.T.S.	Project Start Date 20241119
Drawn by P.P.	Substantial Performance Date TBD
Designed by P.P.	Drawing No CP-000
Approved by R.V.	Floor No —

CADD File NAME 24279-M

3	ISSUED FOR TENDER	2025/04/11
2	ISSUED FOR 99% SUBMISSION	2025/03/19
1	ISSUED FOR 33% SUBMISSION	2025/01/31
No	Revisions	Date

Orientation

Seal

The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A	A Detail No
B	B Sheet No where detailed

Ministry PSIF Number
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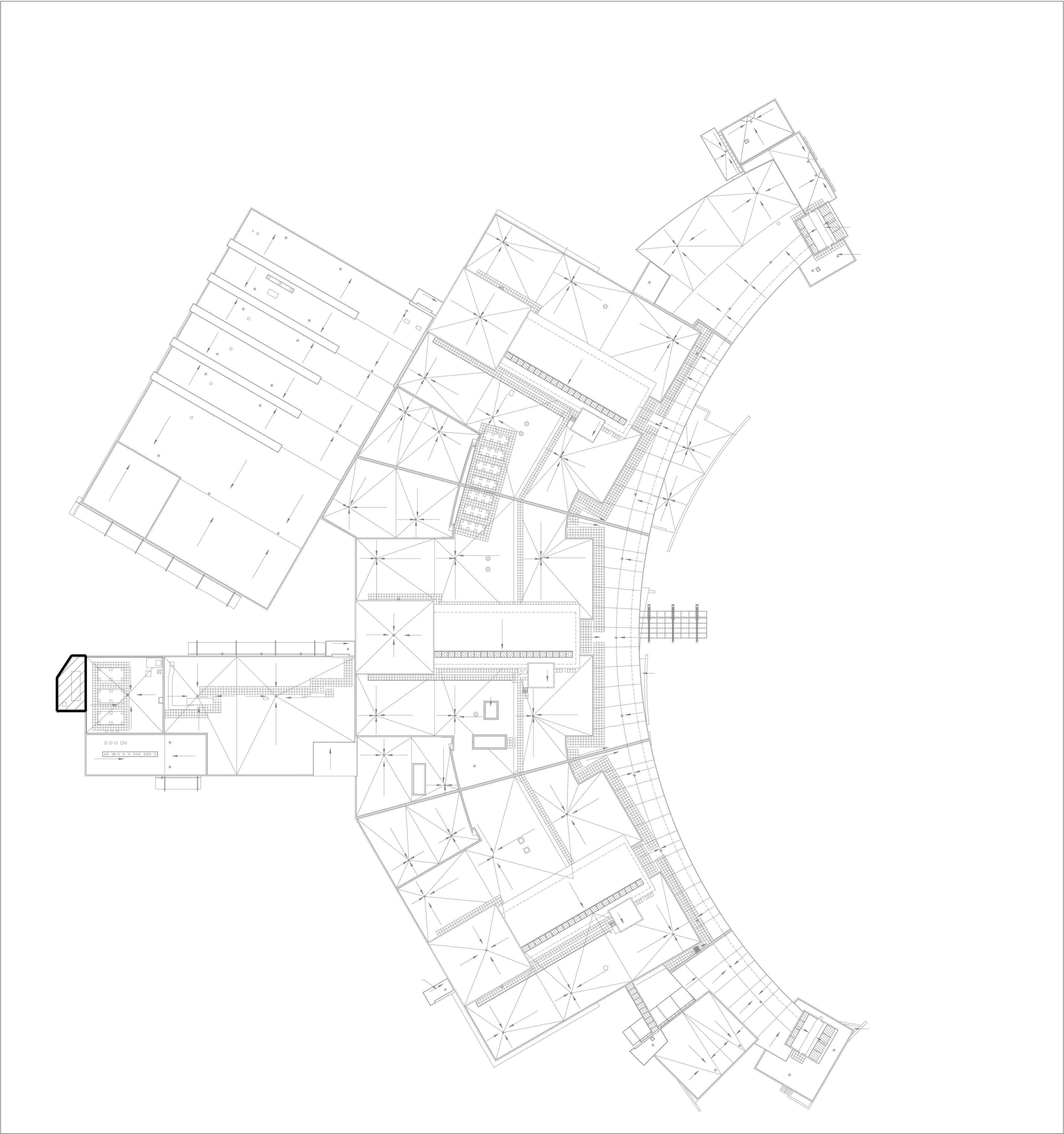
Project
ABSORPTION CHILLER DECOMMISSIONING

Location
777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3
By Project No. 230467-274385 N06689 Site No. B25370 Building No.

Client
INFRASTRUCTURE ONTARIO

Drawing Title
KEY PLAN

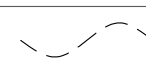

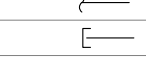







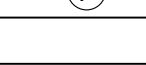
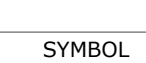
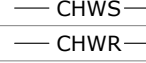
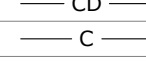
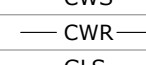
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Drawn by P.P.	Substantial Performance Date TBD
Designed by P.P.	Drawing No M-001 of
Approved by R.V.	Floor No —

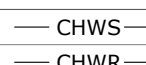
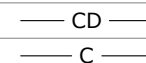
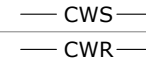

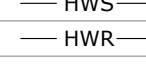
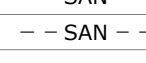


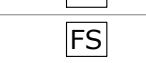

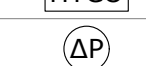













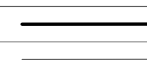
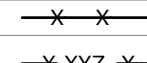
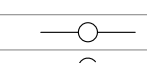
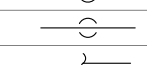






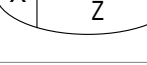
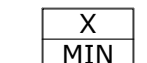

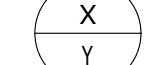




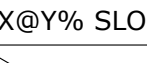
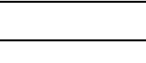
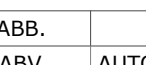
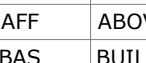
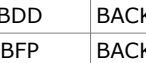

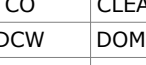
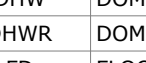
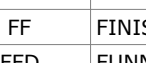
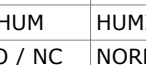
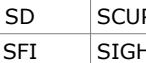
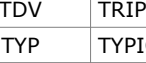
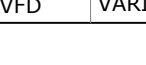
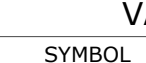
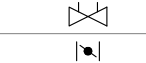
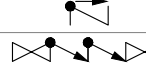


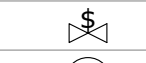
1 KEY PLAN
M-001 SCALE: 1:500

GENERAL NOTES:



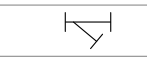
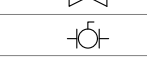



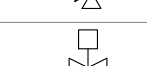
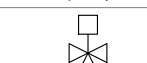
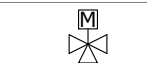
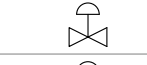
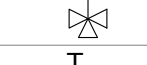

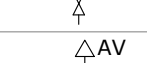








1. THESE GENERAL NOTES APPLY TO ALL DRAWINGS.
2. GENERAL SCOPE OF WORK
- 2.1. FURNISH ALL LABOUR, MATERIALS, EQUIPMENT, TOOLS AND SUPPORTS AS WELL AS SUPERVISION TO PROVIDE A COMPLETE INSTALLATION, TESTED AND IN WORKING ORDER, AS SHOWN ON THE DRAWINGS.
- 2.2. THE CONTRACTOR SHALL PERFORM THE WORK STIPULATED IN THE CONTRACT AND ANY OR ALL CONTRACT CHANGES AND CHANGE DIRECTIVES, AND SHALL FURNISH, UNLESS OTHERWISE PROVIDED IN THE CONTRACT, EVERYTHING NECESSARY FOR THE PROPER PERFORMANCE AND COMPLETION OF THE WORK.
- 2.3. ALL WORK SHALL BE FULLY TESTED, COMMISSIONED AND IN GOOD WORKING ORDER AT TIME OF HAND-OVER TO OWNER.
- 2.4. MAKE GOOD ANY DAMAGES TO EXISTING EQUIPMENT AND/OR SYSTEM(S). COORDINATE WORK AND WORKING HOURS WITH THE OWNER AND OTHER TRADES TO MINIMIZE DISRUPTION.
- 2.5. ALL WORK SHALL BE COMPLETED ONCE ADEQUATE PROTECTION OF ADJACENT SPACES HAS BEEN INSTALLED. CONTRACTOR TO ENSURE MINIMAL DUST CREATION DURING WORK.
- 2.6. PROVIDE CAULKING AND FIRESTOPPING FOR ALL MECHANICAL SERVICES PASSING THROUGH FIRE SEPARATIONS AS INDICATED ON THE ARCHITECTURAL LAYOUT.
- 2.7. FOR EQUIPMENT PERFORMANCE AND CONSTRUCTION. REFER TO SCHEDULES AND SPECIFICATIONS.
- 2.8. FOR EQUIPMENT INSTALLATION. REFER TO DETAILS, SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS FOR MORE INFORMATION.
3. DRAWINGS
- 3.1. DRAWINGS SHOW GENERAL INTENT OF THE WORK AND PROPOSED ROUTING ONLY.
- 3.2. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL CONFIRM ALL DIMENSIONS BY FIELD MEASURE BEFORE PROCEEDING WITH THE WORK.
- 3.3. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING POSSIBLE INTERFERENCES AND INFORMING THE ENGINEER PRIOR TO STARTING ANY WORK.
- 3.4. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK BEGINS AND BEFORE ANY MATERIAL/EQUIPMENT IS ORDERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED COSTS RESULTING FROM ANY REWORK CAUSED BY NOT FOLLOWING THIS PROCESS.
4. SITE CONDITIONS
- 4.1. EXAMINE SITE CONDITIONS TO ENSURE THAT WORK CAN BE SATISFACTORILY CARRIED OUT AS SHOWN. IF SITE EXAMINATION REVEALS ANY DIFFICULTIES THAT WILL PREVENT THE WORK FROM BEING CARRIED OUT AS DESIGNED THESE MUST BE INDICATED IN THE TENDER PRICE, AND BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 4.2. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY ADDITIONAL DIFFICULTIES, INTERFERENCES AND SITE CONSTRAINTS THAT MAY BE IDENTIFIED DURING THE CONSTRUCTION PERIOD.
- 4.3. ALL WORK TO BE PERFORMED DURING REGULAR WORKING HOURS (8AM - 5PM), MONDAY THROUGH FRIDAY.
- 4.4. COORDINATE SITE ACCESS AND DELIVERIES WITH LANDLORD AND/OR GENERAL CONTRACTOR.
- 4.5. ALL EXISTING SERVICES THAT ARE NOT SHOWN ON THE DRAWINGS AND ARE EXPOSED DURING DEMOLITION/CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR AS TO THE SOURCE AND ROUTING AND SHALL BE REPORTED TO THE CONSULTANT WITH PROPOSED RESOLUTIONS.
5. CLEANING
- 5.1. CLEAN PREMISES DAILY AT THE END OF EACH WORK DAY.
- 5.2. DO NOT ACCUMULATE EQUIPMENT, TOOLS, DEBRIS AND WASTE MATERIALS ON SITE. REMOVE FROM SITE DAILY.
- 5.3. COMPLETELY REMOVE ALL DEBRIS AND RUBBISH FROM SPACE ONCE WORK IS COMPLETE.
- 5.4. ALL MATERIALS TO BE DISPOSED OF CONSTRUCTION SITE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
6. EXISTING EQUIPMENT AND SYSTEMS
- 6.1. DISCONNECT, RECONNECT OR RELOCATE EXISTING EQUIPMENT OR SERVICES WHERE SHOWN OR AS REQUIRED TO PERMIT NEW WORK TO BE INSTALLED WITHOUT INTERFERENCES. ENSURE THAT REQUIRED SERVICES ARE MAINTAINED.
- 6.2. COORDINATE WITH THE OWNER BEFORE INTERRUPTING ANY ESSENTIAL SERVICES.
- 6.3. ROUTING OF NEW SERVICES MAY BE ADJUSTED TO ACCOMMODATE EXISTING SERVICES AND CONDITIONS PROVIDED THAT THE INTENT OF THE DRAWINGS IS MET AND THE ORIGINAL STANDARDS ARE MAINTAINED.
- 6.4. PROVIDE DRAWINGS OF PROPOSED REVISIONS TO ENGINEER FOR APPROVAL BEFORE BEGINNING ANY WORK. INCORPORATE ALL CHANGES IN **AS-BUILT** DRAWINGS.
- 6.5. COORDINATE ALL ROUTING CHANGES WITH OTHER TRADES THAT MAY BE AFFECTED.
- 6.6. ENGINEER TO BE ADVISED PRIOR TO CHANGES WHERE CHANGES COULD BE SIGNIFICANT.
- 6.7. THE CONTRACTOR IS TO TAKE EXTRA CARE DURING THIS INSTALLATION NOT TO DISTURB THE OPERATIONS OF THE COMPLEX. IT IS CRITICAL THAT THERE WILL BE NO UNSCHEDULED SHUTDOWNS OR INTERRUPTIONS OF ANY OPERATIONS.
- 6.8. ALL ASSOCIATED COSTS OF THESE ITEMS LISTED ABOVE WILL **BE** THE RESPONSIBILITY OF THE CONTRACTOR.
7. OPEN FLAMES AND WELDING
- 7.1. NO OPEN FLAMES OR WELDING IS PERMITTED WITHIN THE BUILDING WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER.
- 7.2. HOT WORK PERMIT MUST BE VISIBLE AT ALL TIMES.
- 7.3. ADEQUATE NUMBER OF FIRE EXTINGUISHERS MUST BE PROVIDED DURING THE OPEN FLAME PROCESS.

HVAC LEGEND	
SYMBOL	DESCRIPTION
	FLEX DUCT
	CONTROL WIRE
	PIPE BREAK
	CAP
	FLOW ARROW
	THERMOSTAT
	THERMOSTAT WITH GUARD
	TEMPERATURE SENSOR
	HUMIDISTAT
	HUMIDITY SENSOR
	CARBON MONOXIDE SENSOR
	CARBON DIOXIDE SENSOR
	OCCUPANCY SENSOR
	REFRIGERANT SENSOR
	PRESSURE SENSOR

HYDRONICS LEGEND	
SYMBOL	DESCRIPTION
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSATE DRAIN
	CONDENSATE LINE
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	GLYCOL SUPPLY
	GLYCOL RETURN
	HOT WATER SUPPLY
	HOT WATER RETURN
	SANITARY
	SANITARY - BELOW
	VENT
	GAS METER
	TEMPERATURE SENSOR
	RELATIVE HUMIDITY SENSOR
	FLOW SWITCH
	LOW WATER CUT OUT
	HIGH TEMPERATURE CUT OUT
	DIFFERENTIAL PRESSURE
	AIR SEPARATOR
	CHEMICAL POT FEEDER

GENERAL & ANNOTATION LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	XYZ = LINE DESCRIPTION
	EXISTING LINE TO BE DEMOLISHED
	PIPE RISE
	PIPE DROP
	TEE DROP
	PIPE BREAK
	CAP
	UNION
	FLANGE CONNECTION
	FLOW ARROW
	VALVE - REFER TO SPECIFICATIONS FOR TYPE
	PUMP
	SUCTION GUIDE
	TRIPLE DUTY VALVE
	VARIABLE FREQUENCY DRIVE
	DIFFUSER TAG
	X = TYPE: A, B, C, ETC. (REFER TO SPECIFICATIONS FOR MORE DETAIL)
	Y = AIR FLOW (L/s)
	Z = FLEX DUCT SIZE (mm)
	VAV TAG
	X = NECK SIZE (REFER TO VAV SCHEDULE FOR MORE DETAIL)
	MIN = MINIMUM SET AIR FLOW (L/s)
	MAX = MAXIMUM SET AIR FLOW (L/s)
	DETAIL CALLOUT
	X = DETAIL NUMBER/LETTER
	Y = DRAWING NUMBER
	CONTINUATION/SECTION TAG
	X = DETAIL NUMBER/LETTER
	Y = DRAWING NUMBER
	EQUIPMENT TAG
	EQUIPMENT TAG
	PIPE SLOPE ARROW
	X = PIPE DIAMETER (mm)
	Y = SLOPE %

ABBREVIATIONS	
ABB.	DESCRIPTION
ABV	AUTOMATIC BALANCING VALVE
AFF	ABOVE FINISHED FLOOR
BAS	BUILDING AUTOMATION SYSTEM
BDD	BACK DRAFT DAMPER
BFP	BACK FLOW PREVENTOR
CBV	CIRCUIT BALANCING VALVE
CTE	CONNECT TO EXISTING
CO	CLEANOUT
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FFD	FUNNEL FLOOR DRAIN
HUM	HUMIDIFIER
NO / NC	NORMALLY OPEN / NORMALLY CLOSED
SD	SCUPPER DRAIN
SFI	SIGHT FLOW INDICATOR
TDV	TRIPLE DUTY VALVE
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE

VALVES & ACCESSORIES LEGEND	
SYMBOL	DESCRIPTION
	BALANCING VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	BACK WATER PREVENTION VALVE ASSEMBLY
	Y-STRAINER
	GATE VALVE
	BALL VALVE
	GLOBE VALVE
	SOLENOID VALVE
	WATER METER
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	2-WAY CONTROL VALVE - DDC
	3-WAY CONTROL VALVE - DDC
	3-WAY MOTORIZED CONTROL VALVE
	2-WAY CONTROL VALVE - PNEUMATIC
	3-WAY CONTROL VALVE - PNEUMATIC
	THERMOSTATIC MIXING VALVE
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	PRESSURE GAUGE
	TEMPERATURE GAUGE



Colliers
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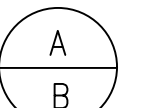

3	ISSUED FOR TENDER	2025/04/11
2	ISSUED FOR 99% SUBMISSION	2025/03/19
1	ISSUED FOR 33% SUBMISSION	2025/01/31
No	Revisions	Date

Orientation

Seal



The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

	A Detail No
	B Sheet No where detailed

4 SITE MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 320, TORONTO, ON M3K 1Z3
PHONE: 416-239-8574 FAX: 416-229-4105

**Infrastructure
Ontario**

Ministry PSIF Number

Project
ABSORPTION CHILLER DECOMMISSIONING

Location
777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3
Project No. 230467-274385 N06689 Site No. B25370 Building No.

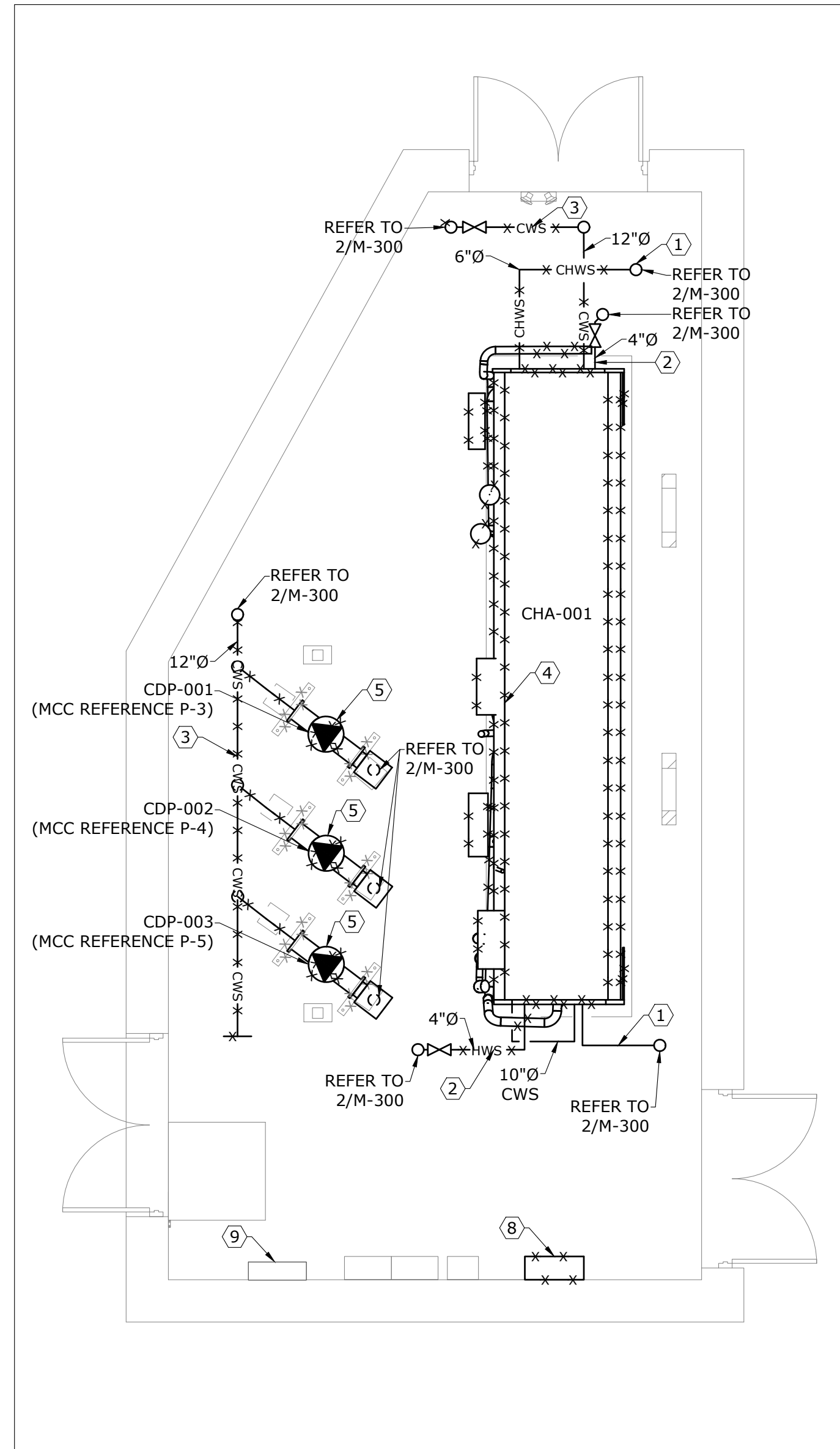
Client

INFRASTRUCTURE ONTARIO

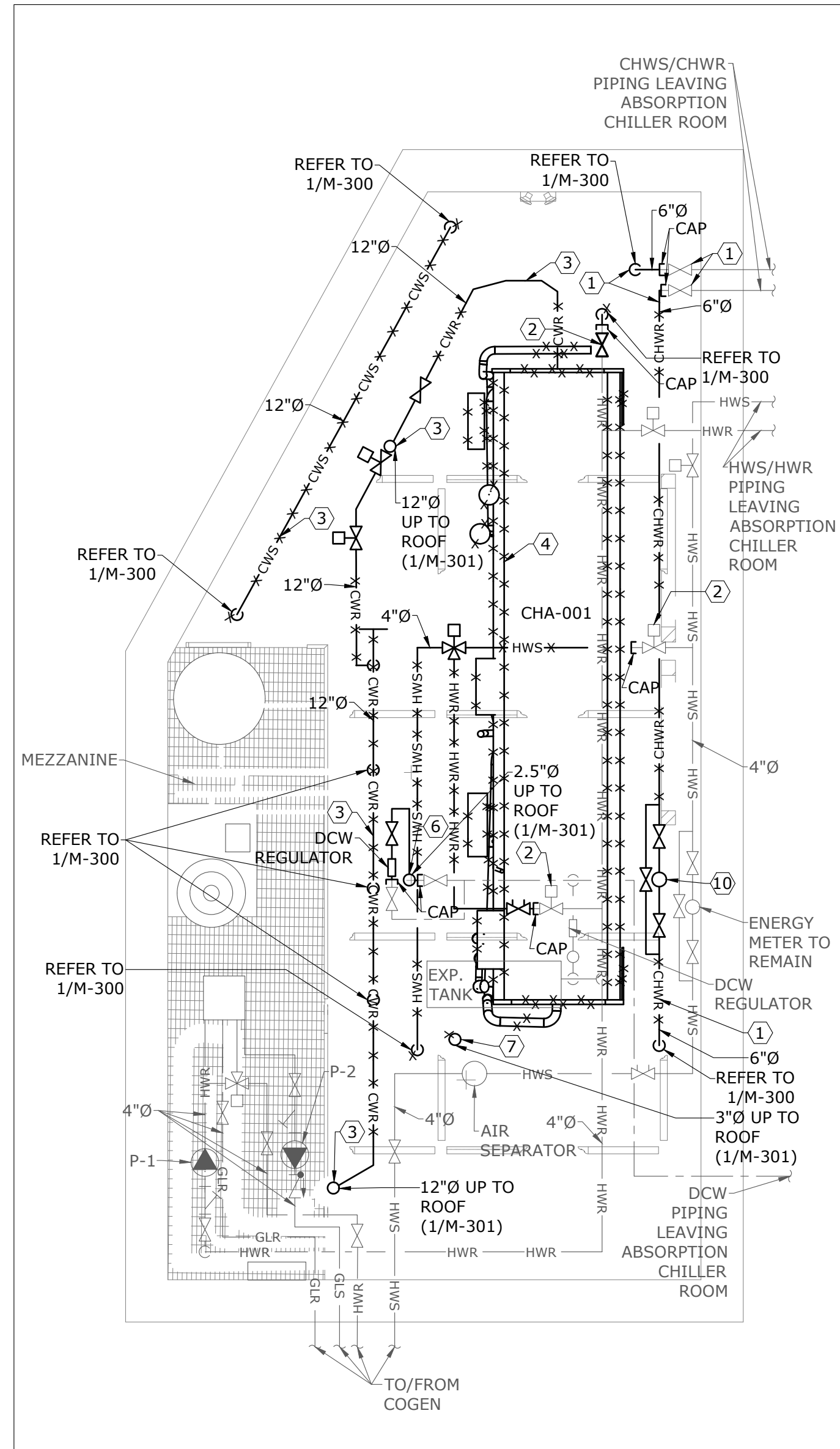
Drawing Title

GENERAL NOTES, LEGENDS, SCHEDULES

Scale N.T.S.	Project Start Date 20241119
Drawn by P.P.	Substantial Performance Date TBD
Designed by P.P.	Drawing No M-100 of
Approved by R.V.	Floor No ###
CADD File NAME 24279-M	



1 MECHANICAL ROOM - GROUND FLOOR - LOWER LEVEL - DEMOLITION
M-300 SCALE: 1:50



2 MECHANICAL ROOM - GROUND FLOOR - UPPER LEVEL - DEMOLITION
M-300 SCALE: 1:50

DEMOLITION GENERAL NOTES:

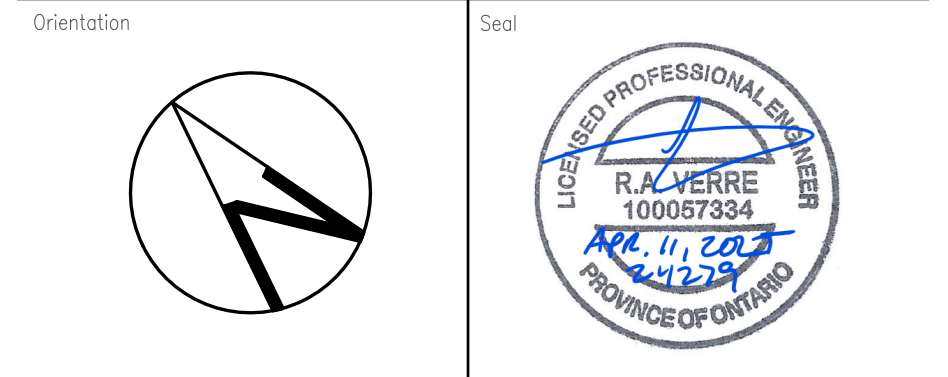
- THESE GENERAL NOTES APPLY TO ALL DEMOLITION DRAWINGS.
- DISCONNECT EXISTING UNUSED EQUIPMENT FROM POWER SUPPLY AND MAKE SAFE.
- PRIOR TO COMMENCING THE DEMOLITION WORK, EXAMINE SITE CAREFULLY INCLUDING ALL THE ELEMENTS THAT NEED TO BE REMOVED.
- REMOVE ALL ABANDONED PIPES, HANGERS, INSERTS, CONDUITS, DUCTS, AND SERVICES.
- SEAL AND FIRESTOP (IF NECESSARY) ALL AFFECTED AREAS TO MATCH EXISTING.
- CONTRACTOR TO CLEAN ALL DEBRIS AND RUBBISH GENERATED FROM THIS WORK.
- CONTRACTOR TO REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD TO MATCH EXISTING.
- CONTRACTOR SHALL REPAIR UNUSED FLOOR AND WALL OPENINGS AT ALL PENETRATIONS OF DEMOLISHED WORK. REPAIRS SHALL MATCH EXISTING **CONDITIONS** AND FINISHES.
- DRAIN ALL AFFECTED SYSTEMS AS REQUIRED AND REFILL AFTER WORK IS COMPLETE. REFER TO SPECIFICATIONS FOR SPECIFIC PIPE FLUSHING MATERIALS AND PROCEDURES.
- ALL EXISTING **SYSTEMS** ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO SITE VERIFY EXACT LOCATION OF EQUIPMENT AND POINT OF CONNECTION TO EXISTING AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DISASSEMBLY AND CUTTING OF ALL EQUIPMENT/MATERIAL TO ALLOW FOR REMOVAL FROM SITE.
- CONTRACTOR TO SEAL ALL PIPE, CONDUIT, SUPPORTS, ETC., PENETRATIONS THROUGH ROOF FROM DEMOLITION. CONTRACTOR TO SEAL, WEATHERPROOF, AND MAKE GOOD ALL PENETRATIONS. REFER TO DRAWING S.01 FOR DETAIL.
- ANY/ALL PIPING INSULATION DAMAGED NEEDS TO BE REPAIRED AND MADE GOOD.
- CONTRACTOR TO UPDATE VALVE INVENTORY LIST TO ENSURE ALL VALVES THAT ARE REMOVED AS PART OF THE DEMOLITION SCOPE ARE REMOVED FROM THE VALVE INVENTORY LIST. CONTRACTOR TO COORDINATE WITH FACILITY STAFF FOR EXISTING LIST.

REFERENCE NOTES:

- CONTRACTOR TO ISOLATE CHWS/CHWR PIPING AT ISOLATION VALVE. CONTRACTOR TO DRAIN/DISPOSE ALL CHILLED WATER FROM ISOLATION VALVE TO/FROM CHILLER. CONTRACTOR TO DEMOLISH ALL CHWS/CHWR PIPING INCLUDING VALVES, GAUGES AND ACCESSORIES TO/FROM THE CHILLER UNTIL THE ISOLATION VALVE. CONTRACTOR TO DEMOLISH ALL CONTROL VALVES, FLOW SENSORS, ETC. INCLUDING WIRING AND ALL CONNECTIONS TO BAS. CONTRACTOR TO PROVIDE A CAP AT THE ISOLATION VALVE AND ENSURE THE ISOLATION VALVE REMAINS CLOSED.
- CONTRACTOR TO DRAIN/DISPOSE PORTION OF HEATING WATER TO/FROM CHILLER. CONTRACTOR TO DEMOLISH HWS/HWR PIPING INCLUDING GAUGES AND ACCESSORIES TO/FROM THE CHILLER AT HIGH LEVEL. CONTRACTOR TO PROVIDE AND INSTALL NEW ISOLATION VALVE AND CAP AT HIGH LEVEL AS SHOWN. CONTRACTOR TO ALSO LOCK CLOSED CONTROL VALVE AND DISCONNECT FROM BAS, AND PROVIDE A CAP AS SHOWN AT HIGH LEVEL FOR HWS/HWR PIPING.
- CONTRACTOR TO DRAIN/DISPOSE ALL CONDENSING WATER FROM COOLING TOWERS ON THE ROOF AND TO/FROM THE CHILLER. CONTRACTOR TO DEMOLISH ALL CWS/CWR PIPING INCLUDING VALVES, GAUGES, ACCESSORIES, ETC. CONTRACTOR TO DEMOLISH ALL CONTROL VALVES, FLOW SENSORS, ETC., INCLUDING WIRING AND CONNECTION TO BAS. CONTRACTOR TO PATCH ROOF WITH WEATHERPROOFING FOR ALL PIPE PENETRATIONS BEING DEMOLISHED AND MAKE GOOD (REFER TO DRAWING S.01).
- CONTRACTOR TO DRAIN/DISPOSE ALL FLUIDS SAFELY FROM THE CHILLER. CONTRACTOR TO DISCONNECT CHILLER FROM POWER AND MAKE SAFE. CONTRACTOR TO DEMOLISH CHILLER INTO PARTS, INCLUDING ALL CONTROL PANELS, POWER, ETC.. TRANSPORT CHILLER OUT OF THE ROOM IN PARTS.
- CONTRACTOR TO DRAIN/DISPOSE ALL CONDENSING WATER FROM PUMPS. CONTRACTOR TO DISCONNECT PUMPS FROM POWER AND MAKE SAFE. CONTRACTOR TO DEMOLISH PUMPS AS SHOWN, INCLUDING ALL PIPING, VALVES, GAUGES, SUPPORTS, ACCESSORIES.
- CONTRACTOR TO DEMOLISH DCW PIPING PENETRATING THROUGH THE ROOF. CONTRACTOR TO ISOLATE DCW PIPING AT ISOLATION VALVES IN MECHANICAL ROOM. CONTRACTOR TO DRAIN/DISPOSE OF ALL DCW FROM ISOLATION VALVES TO/FROM COOLING TOWERS. CONTRACTOR TO DEMOLISH DCW PIPING INCLUDING GAUGES, REGULATORS, AND ACCESSORIES TO/FROM THE COOLING TOWERS UNTIL THE ISOLATION VALVES. CONTRACTOR TO PROVIDE A CAP AT THE ISOLATION VALVES AND ENSURE THE ISOLATION VALVES REMAIN CLOSED. CONTRACTOR TO PATCH ROOF WITH WEATHERPROOFING FOR ALL PIPE PENETRATIONS BEING DEMOLISHED, AND MAKE GOOD (REFER TO DRAWING S.01).
- CONTRACTOR TO DEMOLISH ALL CONDENSING WATER DISCHARGE PIPE FED TO THE MECHANICAL ROOM'S FLOOR DRAIN FROM THE COOLING TOWERS ON THE ROOF. CONTRACTOR TO PATCH ROOF WITH WEATHERPROOFING FOR PIPE PENETRATION BEING DEMOLISHED AND MAKE GOOD (REFER TO DRAWING S.01).
- CONTRACTOR TO REMOVE ALL CONTROL WIRING AND CONNECTIONS TO/FROM THE COOLING TOWERS. CONTRACTOR TO DEMOLISH AND REMOVE COOLING TOWER PANEL.
- CONTRACTOR TO DEMOLISH ALL POINTS/RELAYS ASSOCIATED WITH THE ABSORPTION CHILLER, COOLING TOWERS, AND RELATED CONDENSER PUMPS. CONTRACTOR TO ALLOW FOR REMOVAL OF POINTS/GRAPHICS ON THE BAS. CONTRACTOR TO ALLOW FOR RE-PROGRAMMING AS REQUIRED. CONTRACTOR TO ENSURE ALL REMAINING CONTROLS NOT ASSOCIATED TO THE DEMOLISHED EQUIPMENT REMAIN IN PLACE AND ARE OPERATIONAL AS INTENDED.
- CONTRACTOR TO DEMOLISH/REMOVE CHWR ENERGY METER, INCLUDING ALL RELAYS/POINTS ASSOCIATED WITH THE METER. CONTRACTOR TO ALLOW FOR REMOVAL OF POINTS/GRAPHICS ON THE BAS. CONTRACTOR TO ALLOW FOR RE-PROGRAMMING AS REQUIRED. CONTRACTOR TO ENSURE ALL REMAINING CONTROLS NOT ASSOCIATED TO THIS EQUIPMENT REMAIN IN PLACE AND ARE OPERATIONAL AS INTENDED.



3	ISSUED FOR TENDER	2025/04/11
2	ISSUED FOR 99% SUBMISSION	2025/03/19
1	ISSUED FOR 33% SUBMISSION	2025/01/31
No	Revisions	Date



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A	A Detail No
B	B Sheet No where detailed



Ministry PSIF Number	
Project	ABSORPTION CHILLER DECOMMISSIONING
Location	777 MEMORIAL AVENUE, ORILLIA, ON L3V 7V3
B Project No	230467-274385 N06689
Site No	
Building No	B25370
Client	INFRASTRUCTURE ONTARIO

Drawing Title
MECHANICAL ROOM – GROUND FLOOR
& M1 – DEMOLITION

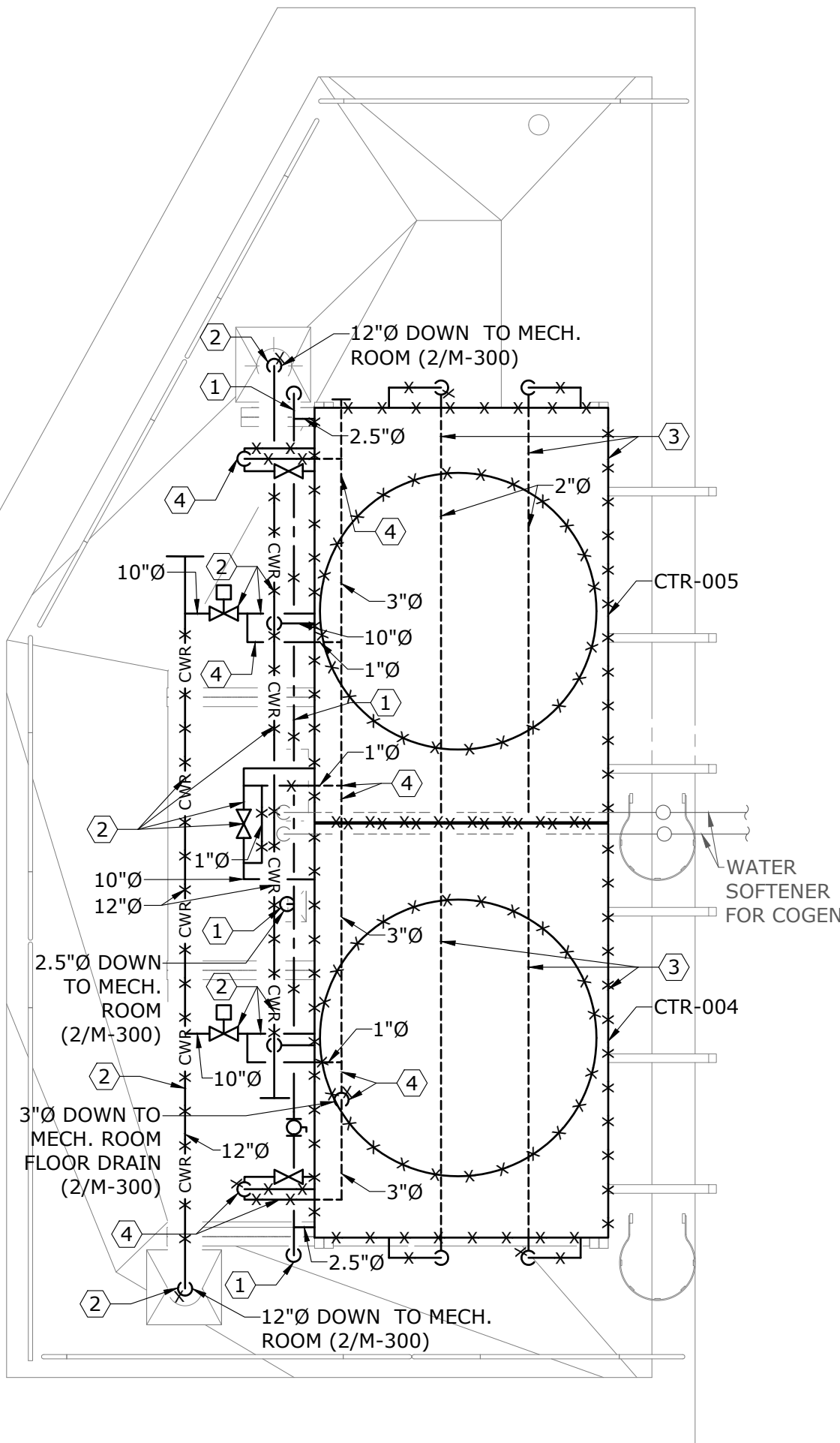
Scale	Project Start Date
1:50	20241119
Drawn by	Substantial Performance Date
P.P.	TBD
Designed by	Drawing No
P.P.	M-300
Approved by	Floor No
R.V.	###
CADD File NAME	24279-M

DEMOLITION GENERAL NOTES:

- THESE GENERAL NOTES APPLY TO ALL DEMOLITION DRAWINGS.
- DISCONNECT EXISTING UNUSED EQUIPMENT FROM POWER SUPPLY AND MAKE SAFE.
- PRIOR TO COMMENCING THE DEMOLITION WORK, EXAMINE SITE CAREFULLY INCLUDING ALL THE ELEMENTS THAT NEED TO BE REMOVED.
- REMOVE ALL ABANDONED PIPES, HANGERS, INSERTS, CONDUITS, DUCTS, AND SERVICES.
- SEAL AND FIRESTOP (IF NECESSARY) ALL AFFECTED AREAS TO MATCH EXISTING.
- CONTRACTOR TO CLEAN ALL DEBRIS AND RUBBISH GENERATED FROM THIS WORK.
- CONTRACTOR TO REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD TO MATCH EXISTING.
- CONTRACTOR SHALL REPAIR UNUSED FLOOR AND WALL OPENINGS AT ALL PENETRATIONS OF DEMOLISHED WORK. REPAIRS SHALL MATCH EXISTING **CONDITIONS** AND FINISHES.
- DRAIN ALL AFFECTED SYSTEMS AS REQUIRED AND REFILL AFTER WORK IS COMPLETE. REFER TO SPECIFICATIONS FOR SPECIFIC PIPE FLUSHING MATERIALS AND PROCEDURES.
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- CONTRACTOR TO UPDATE VALVE INVENTORY LIST TO ENSURE ALL VALVES THAT ARE REMOVED AS PART OF THE DEMOLITION SCOPE ARE REMOVED FROM THE VALVE INVENTORY LIST. CONTRACTOR TO COORDINATE WITH FACILITY STAFF FOR EXISTING LIST.

REFERENCE NOTES:

- CONTRACTOR TO ISOLATE DCW PIPING AT ISOLATION VALVES IN MECHANICAL ROOM. CONTRACTOR TO DRAIN/DISPOSE OF ALL DCW FROM ISOLATION VALVES TO/FROM COOLING TOWERS. CONTRACTOR TO DEMOLISH DCW PIPING INCLUDING GAUGES, REGULATORS, AND ACCESSORIES TO/FROM THE COOLING TOWERS UNTIL THE ISOLATION VALVES. CONTRACTOR TO PROVIDE A CAP AT THE ISOLATION VALVES AND ENSURE THE ISOLATION VALVES REMAIN CLOSED. CONTRACTOR TO PATCH ROOF WITH WEATHERPROOFING FOR ALL PIPE PENETRATIONS BEING DEMOLISHED AND MAKE GOOD (REFER TO DRAWING S.01).
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- CONTRACTOR TO DRAIN/DISPOSE ALL FLUIDS SAFELY FROM THE TWO (2) COOLING TOWERS. CONTRACTOR TO DEMOLISH COOLING TOWERS WITH ALL ASSOCIATED PIPING, VALVES, ACCESSORIES, AND SAFELY REMOVE FROM THE ROOF. CONTRACTOR TO DISCONNECT POWER FROM COOLING TOWERS AND MAKE SAFE. CONTRACTOR TO REMOVE COOLING TOWER SUPPORT STANDS, ENSURING ALL PENETRATIONS THROUGH THE ROOF FROM THE STAND IS PATCHED/WEATHERPROOFED AND MAKE GOOD (REFER TO DRAWING S.01).
- CONTRACTOR TO DEMOLISH ALL CONDENSING WATER DISCHARGE PIPE FED TO THE MECHANICAL ROOM'S FLOOR DRAIN. CONTRACTOR TO PATCH ROOF WITH WEATHERPROOFING FOR THE PIPE PENETRATION BEING DEMOLISHED AND MAKE GOOD (REFER TO DRAWING S.01).

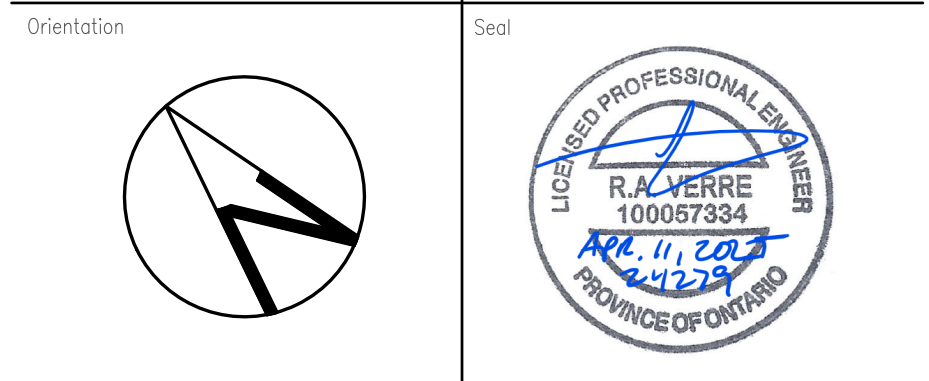


1 MECHANICAL ROOM - ROOF - DEMOLITION
M-301 SCALE: 1:50



Colliers
Project Leaders

No	Revisions	Date
3	ISSUED FOR TENDER	2025/04/11
2	ISSUED FOR 99% SUBMISSION	2025/03/19
1	ISSUED FOR 33% SUBMISSION	2025/01/31



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A	A Detail No
B	B Sheet No where detailed



Ministry PSIF Number
—

Project
ABSORPTION CHILLER DECOMMISSIONING

Location
777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3
B Project No. 230467-274385 N06689 Site No. B25370 Building No.

Client
INFRASTRUCTURE ONTARIO

Drawing Title
MECHANICAL ROOM – ROOF –
DEMOLITION

Scale 1:50	Project Start Date 20241119
Drawn by P.P.	Substantial Performance Date TBD
Designed by P.P.	Drawing No. M-301 of
Approved by R.V.	Floor No RF

CADD File NAME 24279-M

ROOF

MEZZANINE

GROUND LEVEL

1 DEMOLITION - ABSORPTION CHILLER SCHEMATIC

M-1000 SCALE: N.T.S.

DEMOLITION GENERAL NOTES:

1. THESE GENERAL NOTES APPLY TO ALL DEMOLITION DRAWINGS.
2. DISCONNECT EXISTING UNUSED EQUIPMENT FROM POWER SUPPLY AND MAKE SAFE.
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13. ANY/ALL PIPING INSULATION DAMAGED NEEDS TO BE REPAIRED AND MADE GOOD.
14. CONTRACTOR TO UPDATE VALVE INVENTORY LIST TO ENSURE ALL VALVES THAT ARE REMOVED AS PART OF THE DEMOLITION SCOPE ARE REMOVED FROM THE VALVE INVENTORY LIST. CONTRACTOR TO COORDINATE WITH FACILITY STAFF FOR EXISTING LIST.

REFERENCE NOTES:

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- 2 CONTRACTOR TO DRAIN/DISPOSE PORTION OF HEATING WATER TO/FROM CHILLER. CONTRACTOR TO DEMOLISH HWS/HWR PIPING INCLUDING GAUGES AND ACCESSORIES TO/FROM THE CHILLER AT HIGH LEVEL. CONTRACTOR TO PROVIDE AND INSTALL NEW ISOLATION VALVE AND CAP AT HIGH LEVEL AS SHOWN. CONTRACTOR TO ALSO LOCK CLOSED CONTROL VALVE AND DISCONNECT FROM BAS, AND PROVIDE A CAP AS SHOWN AT HIGH LEVEL FOR HWS/HWR PIPING.
- 3 CONTRACTOR TO DRAIN/DISPOSE ALL CONDENSING WATER FROM COOLING TOWERS ON THE ROOF AND TO/FROM THE CHILLER. CONTRACTOR TO DEMOLISH ALL CWS/CWR PIPING INCLUDING VALVES, GAUGES, ACCESSORIES, ETC. CONTRACTOR TO DEMOLISH ALL CONTROL VALVES, FLOW SENSORS, ETC., INCLUDING WIRING AND CONNECTION TO BAS. CONTRACTOR TO PATCH ROOF WITH WEATHERPROOFING FOR ALL PIPE PENETRATIONS BEING DEMOLISHED AND MAKE GOOD (REFER TO DRAWING S.01).
- 4 CONTRACTOR TO DRAIN/DISPOSE ALL FLUIDS SAFELY FROM THE CHILLER. CONTRACTOR TO DISCONNECT CHILLER FROM POWER AND MAKE SAFE. CONTRACTOR TO DEMOLISH CHILLER INCLUDING ALL CONTROL PANELS, POWER, ETC., INTO PARTS, AND TRANSPORT CHILLER OUT OF THE ROOM IN PARTS.
- 5 CONTRACTOR TO DRAIN/DISPOSE ALL CONDENSING WATER FROM PUMPS. CONTRACTOR TO DISCONNECT PUMPS FROM POWER AND MAKE SAFE. CONTRACTOR TO DEMOLISH PUMPS AS SHOWN, INCLUDING ALL PIPING, VALVES, GAUGES, SUPPORTS, ACCESSORIES.

- 6 CONTRACTOR TO ISOLATE DCW PIPING AT ISOLATION VALVES IN MECHANICAL ROOM. CONTRACTOR TO DRAIN/DISPOSE OF ALL DCW FROM ISOLATION VALVES TO/FROM COOLING TOWERS. CONTRACTOR TO DEMOLISH DCW PIPING INCLUDING GAUGES, REGULATORS, AND ACCESSORIES TO/FROM THE COOLING TOWERS UNTIL THE ISOLATION VALVE. CONTRACTOR TO PROVIDE A CAP AT THE ISOLATION VALVES AND ENSURE THE ISOLATION VALVES REMAIN CLOSED. CONTRACTOR TO PATCH ROOF WITH WEATHERPROOFING FOR ALL PIPE PENETRATIONS BEING DEMOLISHED AND MAKE GOOD (REFER TO DRAWING S.01).
- 7 CONTRACTOR TO DEMOLISH ALL CONDENSING WATER DISCHARGE PIPE FED TO THE MECHANICAL ROOM'S FLOOR DRAIN FROM THE COOLING TOWERS ON THE ROOF. CONTRACTOR TO PATCH ROOF WITH WEATHERPROOFING FOR THE PIPE PENETRATION BEING DEMOLISHED AND MAKE GOOD (REFER TO DRAWING S.01).
- 8 CONTRACTOR TO DRAIN/DISPOSE ALL FLUIDS SAFELY FROM THE TWO (2) COOLING TOWERS. CONTRACTOR TO DEMOLISH COOLING TOWERS WITH ALL ASSOCIATED PIPING, VALVES, ACCESSORIES, AND SAFELY REMOVE FROM THE ROOF. CONTRACTOR TO DISCONNECT POWER FROM COOLING TOWERS AND MAKE SAFE. CONTRACTOR TO REMOVE COOLING TOWER SUPPORT STANDS, ENSURING ALL PENETRATIONS THROUGH THE ROOF FROM THE STAND IS PATCHED/WEATHERPROOFED AND MAKE GOOD (REFER TO DRAWING S.01).
- 9 CONTRACTOR TO DEMOLISH/REMOVE CHWR ENERGY METER, INCLUDING ALL RELAYS/POINTS ASSOCIATED WITH THE METER. CONTRACTOR TO ALLOW FOR REMOVAL OF POINTS/GRAPHICS ON THE BAS. CONTRACTOR TO ALLOW FOR RE-PROGRAMMING AS REQUIRED. CONTRACTOR TO ENSURE ALL REMAINING CONTROLS NOT ASSOCIATED TO THIS EQUIPMENT REMAIN IN PLACE AND ARE OPERATIONAL AS INTENDED.
- 10 HOUSEKEEPING PADS TO REMAIN FOR THE CHILLER AND PUMPS. CONTRACTOR TO HIGHLIGHT/PAINT THE EDGE OF THE ENTIRE CURB OF THE HOUSEKEEPING PADS YELLOW TO PREVENT TRIPPING HAZARDS.



Colliers
Project Leaders

No	Revisions	Date
3	ISSUED FOR TENDER	2025/04/11
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1	ISSUED FOR 33% SUBMISSION	2025/01/31

Orientation	Seal

The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A	A Detail No
B	B Sheet No where detailed



Ministry PSIF Number

Project
ABSORPTION CHILLER DECOMMISSIONING

Location
777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3
Project No. 230467-274385689
Building No. B25370

Client
INFRASTRUCTURE ONTARIO

Drawing Title
DETAILS

Scale N.T.S.	Project Start Date 20241119
Drawn by P.P.	Substantial Performance Date TBD
Designed by P.P.	Drawing No M-1000
Approved by R.V.	Floor No ###
CADD File NAME 24279-M	

GENERAL NOTES:	
1.	THESE GENERAL NOTES APPLY TO ALL DRAWINGS.
2.	CONTRACTOR SHALL CONDUCT A SITE REVIEW PRIOR TO PRICING TO BECOME FAMILIAR WITH THE SITE CONDITIONS. VERIFY ALL LOCATIONS, SIZES, AND CONNECTIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE CONSULTANT WITH PROPOSED RESOLUTION AND OBTAIN CONSULTANT'S APPROVAL.
3.	ALL EXISTING SERVICES THAT ARE NOT SHOWN ON THE DRAWINGS AND ARE EXPOSED DURING DEMOLITION/CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR AS TO THE SOURCE AND ROUTING AND SHALL BE REPORTED TO THE CONSULTANT WITH PROPOSED RESOLUTIONS.
4.	ALL BASE BUILDING SERVICES NOT IN SCOPE ARE TO REMAIN ON AND INTACT DURING THE DURATION OF WORK. WIRING, CONDUIT, AND EQUIPMENT REQUIRED TO MAINTAIN SERVICE SHALL BE TEMPORARILY SUPPORTED, RE-ROUTED, SERVICED, OR RELOCATED AS REQUIRED. ANY LOSS OF SERVICES TO EXISTING BASE BUILDING OUTSIDE OF SCOPE OF WORK SHALL BE COORDINATED WITH LANDLORD, FACILITY MANAGEMENT.
5.	ALL EQUIPMENT AND DEVICES SHOWN ARE APPROXIMATE LOCATIONS, EXACT LOCATIONS AND MOUNTING HEIGHTS SHALL BE COORDINATED ON SITE WITH OTHER TRADES AND CONSULTANT.
6.	SEAL AND FIRESTOP ALL WALL, FLOOR, AND ROOF PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
7.	COORDINATE ALL ELECTRICAL WORK AND SHUTDOWNS WITH LANDLORD, FACILITY MANAGEMENT AND OTHER TRADES.
8.	MAKE GOOD ALL SURFACES, INCLUDING CORE HOLES FROM DEMOLISHED OR RELOCATED EQUIPMENT/DEVICES, AFTER COMPLETION OF WORK.
9.	ALL MATERIALS SHALL BE DISPOSED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
10.	COORDINATE ALL WORK TO SUIT PROJECT PHASE SCHEDULE. COORDINATE PHASING WITH ARCHITECT/INTERIOR DESIGNER/GC'S DRAWINGS.
11.	ALL ELECTRICAL BACK BOXES SHALL BE WRAPPED WITH ACOUSTIGUARD PUTTY PADS (JOHN DEBORTOLI PROJECTS)

ABBREVIATIONS	
ABB.	DESCRIPTION
BAS	BUILDING AUTOMATION SYSTEM
CTE	CONNECT TO EXISTING
ER	EXISTING TO BE REMOVED
E	EXISTING TO REMAIN
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND	BONDING CONDUCTOR CONNECTED TO BUILDING GROUND
N	NEW TO BE PROVIDED
RL	EXISTING DEVICE/EQUIPMENT IN RELOCATED POSITION
RR	REMOVE AND REINSTALL
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF

SINGLE LINE DIAGRAM LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	START SWITCH
	STOP SWITCH
	CIRCUIT BREAKER
	LIGHTING ARRESTOR
	SWITCH AND FUSE UNIT
	FUSIBLE HIGH VOLTAGE ISOLATION SWITCH
	TRANSFORMER
	TRANSFORMER - ELECTROSTATIC SHIELD

POWER AND SYSTEMS LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	DATA OUTLET
	DATA OUTLET - FLOOR MOUNTED
	TELEPHONE OUTLET
	COMBINATION TELEPHONE & DATA OUTLET
	COMBINATION TELEPHONE & DATA OUTLET - FLOOR MOUNTED
	COMBINATION TELEPHONE & DATA OUTLET - CEILING MOUNTED
	COMBINATION POWER & COMMUNICATION FLOOR OUTLET BOX - SURFACE MOUNTED
	COMBINATION POWER & COMMUNICATION FLOOR OUTLET BOX - FLUSH MOUNTED
	COMBINATION POWER & COMMUNICATION POKE-THRU TYPE FLOOR OUTLET BOX - FLUSH MOUNTED
	TELEVISION OUTLET
	DISHWASHER OUTLET
	WATER HEATER OUTLET
	GENERAL OUTLET X = TYPE
	GENERAL OUTLET - FLOOR MOUNTED X = TYPE
	GENERAL OUTLET - CEILING MOUNTED X = TYPE
	SINGLE RECEPTACLE
	SINGLE RECEPTACLE - FLOOR MOUNTED
	SINGLE RECEPTACLE - CEILING MOUNTED
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE - FLOOR MOUNTED
	DUPLEX RECEPTACLE - CEILING MOUNTED
	DUPLEX RECEPTACLE - C/W ISOLATED GROUND
	DUPLEX RECEPTACLE - 5-20R (T-SLOT)
	SPLIT WIRED DUPLEX RECEPTACLE
	GFI DUPLEX RECEPTACLE
	GFI DUPLEX RECEPTACLE - 5-20R (T-SLOT)
	QUADRUPLIX RECEPTACLE
	QUADRUPLIX RECEPTACLE - FLOOR MOUNTED
	QUADRUPLIX RECEPTACLE - CEILING MOUNTED
	QUADRUPLIX RECEPTACLE - C/W ISOLATED GROUND
	SYSTEMS FURNITURE BASE FEED - FLOOR
	SYSTEMS FURNITURE BASE FEED - WALL
	SYSTEMS FURNITURE BASE FEED - SERVICE POLE
	SYSTEMS FURNITURE BASE FEED - WIREMOLD
	CONNECTRAC RACEWAY
	WIREMOLD RACEWAY C/W POWER RECEPTACLE & COMBINATION OUTLET
	MOTOR CONNECTION
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	THERMOSTAT
	DIRECT CONNECTION TO EQUIPMENT AS NOTED
	ELECTRIC BASEBOARD HEATER
	PANEL - SURFACE MOUNTED
	PANEL - FLUSH MOUNTED
	PUSH BUTTON SWITCH
	JUNCTION BOX - WALL MOUNTED
	JUNCTION BOX - CEILING MOUNTED
	JUNCTION BOX - FLOOR MOUNTED

FIRE ALARM SYSTEMS LEGEND	
SYMBOL	DESCRIPTION
	NEW WORK
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	SMOKE DETECTOR - CEILING MOUNTED
	HEAT DETECTOR - CEILING MOUNTED
	FIRE ALARM BELL
	FIRE ALARM HORN
	FIRE ALARM HORN AND STROBE DEVICE
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM EVACUATION SPEAKER - CEILING MOUNTED
	FIRE ALARM EVACUATION SPEAKER - WALL MOUNTED
	FIRE ALARM SPEAKER/STROBE COMBINATION - CEILING MOUNTED
	FIRE ALARM SPEAKER/STROBE COMBINATION - WALL MOUNTED
	FIRE ALARM STROBE - CEILING MOUNTED
	FIRE ALARM STROBE - WALL MOUNTED
	SMOKE ALARM/STROBE COMBINATION - CEILING MOUNTED
	SMOKE ALARM/STROBE COMBINATION - WALL MOUNTED
	DUCT MOUNTED SMOKE DETECTOR
	FLOW SWITCH
	SUPERVISED VALVE
	FIREMAN'S HANDSET

Colliers
Project Leaders

3	ISSUED FOR TENDER	2025/04/11
2	ISSUED FOR 99% SUBMISSION	2025/03/19
1	ISSUED FOR 33% SUBMISSION	2025/01/31
No	Revisions	Date

Orientation

Seal

The Contractor shall check and verify all dimensions and report all errors and omissions to the IO–Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A

B

A

B

Detail No

Sheet No where detailed

MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 320, TORONTO, ON, M3K 1Z3
PHONE: 416-229-8574 FAX: 416-229-4105

Infrastructure Ontario

Ministry PSIF Number

Project

Location

Client

Drawing Title

230467-274385 N06689

20241119

777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3

INFRASTRUCTURE ONTARIO

GENERAL NOTES,LEGENDS, SCHEDULES

Scale

N.T.S.

Drawn by

C.S.

Designed by

C.S.

Approved by

R.M.

Project Start Date

20241119

Substantial Performance Date

TBD

Drawing No

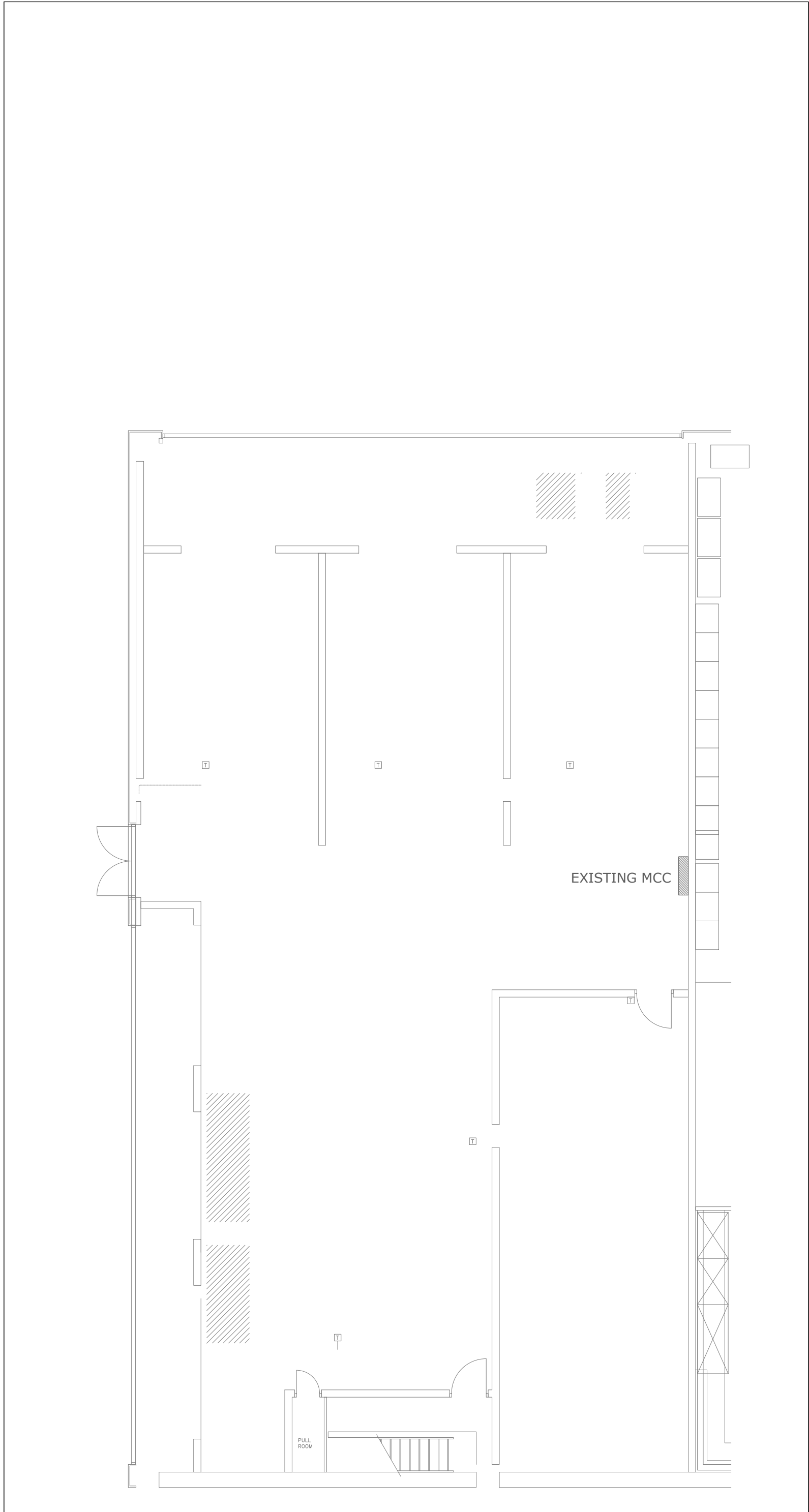
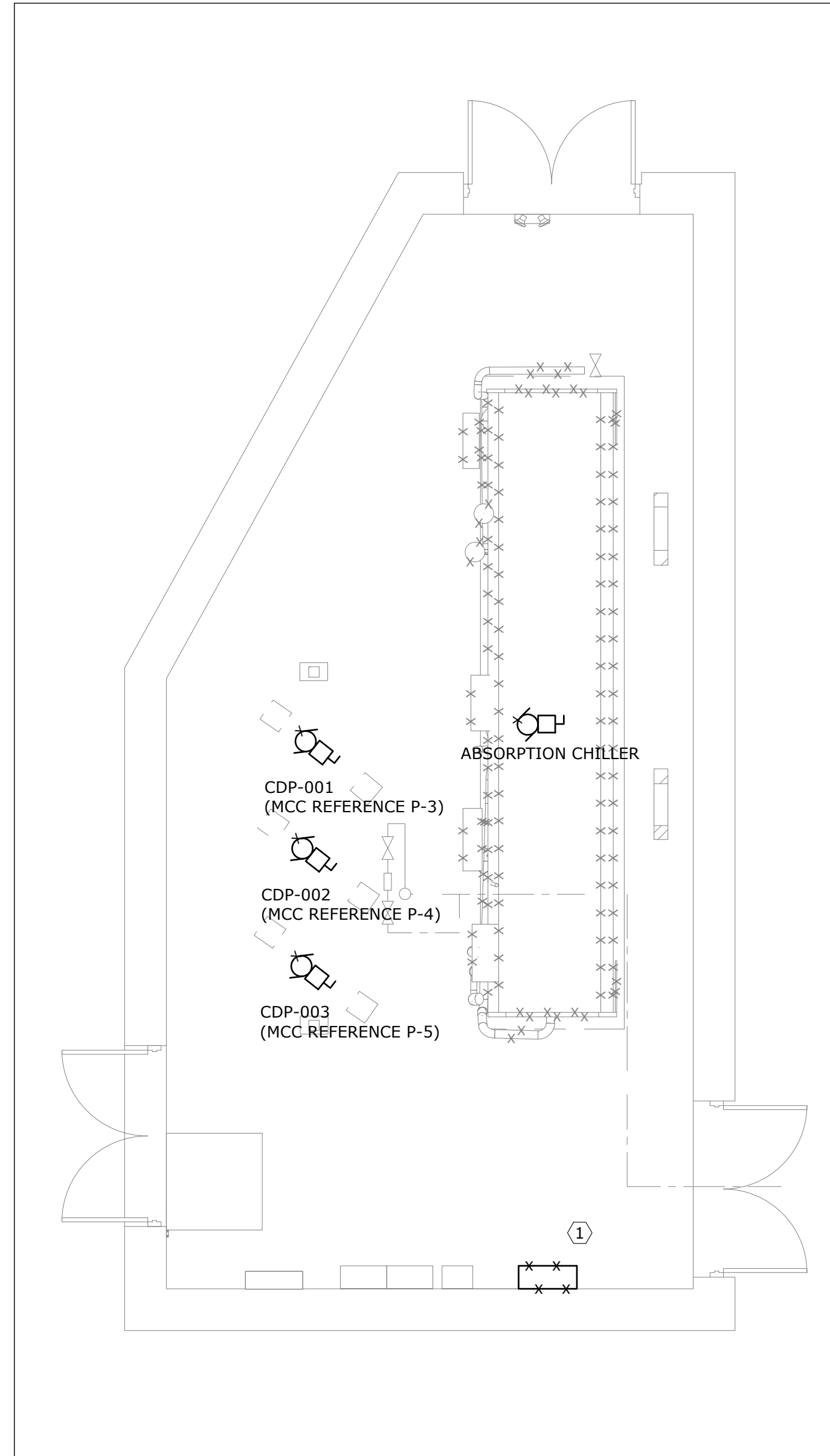
E-100

Floor No

-

CADD File NAME

24279-M

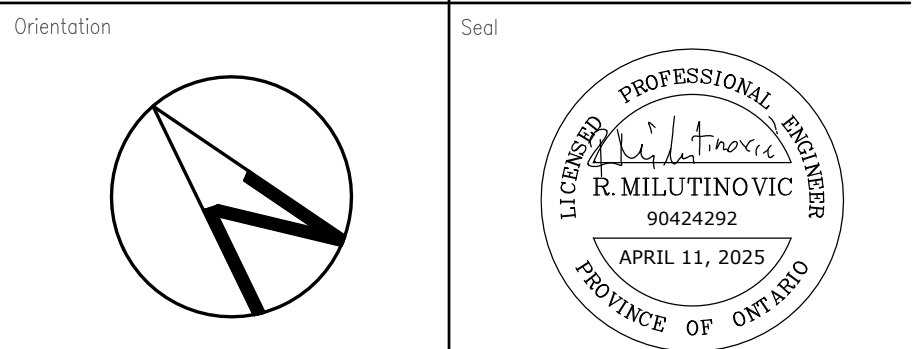


- DEMOLITION - GENERAL NOTES:
- THESE GENERAL NOTES APPLY TO ALL DEMO DRAWINGS.
 - REMOVE ALL WIRING, CONDUITS, EQUIPMENT, AND DEVICES NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE. THIS INCLUDES, BUT IS NOT LIMITED TO, REMOVING WIRING AND CONDUIT BACK TO MCC OR SIMILAR POWER SOURCE.
 - REMOVE FLOOR MONUMENTS AND CUT BACK ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. MAKE GOOD ALL FLOOR PENETRATIONS.
 - ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
 - ENSURE ALL EXISTING EMERGENCY LIGHTING CIRCUITS AND EXIT LIGHTING CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
 - CONTRACTOR TO KEEP EXISTING BREAKERS LOCATED IN EXISTING MCC AND RENAME THEM TO "SPARE".
- REFERENCE NOTES:
- 1 ALL HIGH VOLTAGE POWER (120V OR HIGHER) TO BE DEMOLISHED FROM CONTROLLER PANEL.



Colliers
Project Leaders

No	Revisions	Date
3	ISSUED FOR TENDER	2025/04/11
2	ISSUED FOR 99% SUBMISSION	2025/03/19
1	ISSUED FOR 33% SUBMISSION	2025/01/31



The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A	A Detail No
B	B Sheet No where detailed



Ministry PSIF Number
—

Project
ABSORPTION CHILLER DECOMMISSIONING

Location
777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3
By Project No. 230467-274385 N06689 Site No. B25370 Building No.

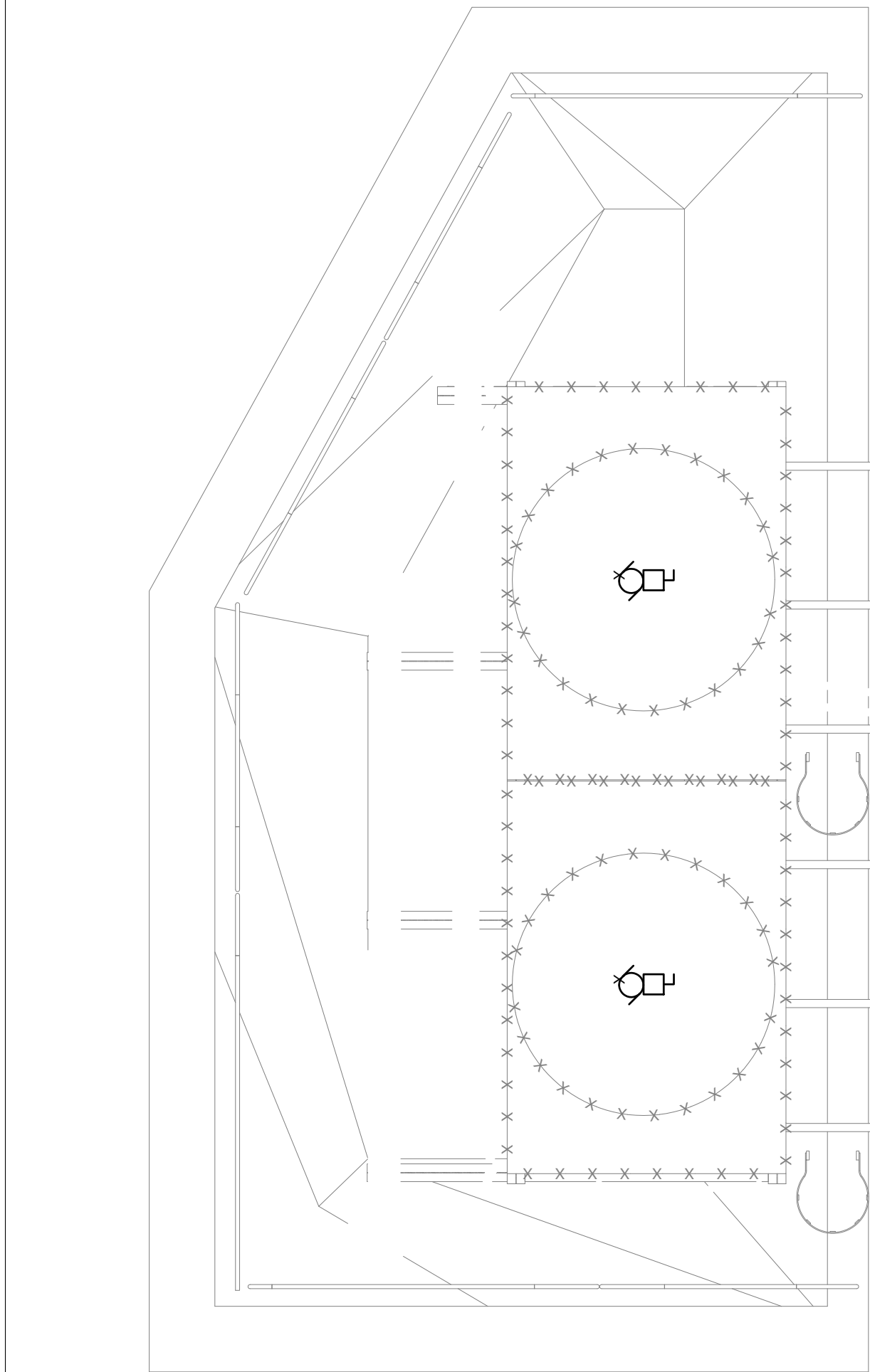
Client
INFRASTRUCTURE ONTARIO

Drawing Title
MECHANICAL AND GENERATOR ROOMS
— POWER & SYSTEMS — DEMO

Scale AS NOTED	Project Start Date 20241119
Drawn by C.S.	Substantial Performance Date TBD
Designed by C.S.	Drawing No E-300 of
Approved by R.M.	Floor No 01 & M1

CADD File NAME 24279-M

- GENERAL NOTES:
- THESE GENERAL NOTES APPLY TO ALL DEMO DRAWINGS.
 - REMOVE ALL WIRING, CONDUITS, EQUIPMENT, AND DEVICES NOT REQUIRED, TO SUIT NEW LAYOUT AND MAKE SAFE. THIS INCLUDES, BUT IS NOT LIMITED TO, REMOVING WIRING AND CONDUIT BACK TO MCC OR SIMILAR POWER SOURCE.
 - REMOVE ROOF MONUMENTS AND CUT BACK ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. MAKE GOOD ALL ROOF PENETRATIONS (REFER TO S.01).
 - ENSURE ALL EXISTING FIRE ALARM CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
 - ENSURE ALL EXISTING EMERGENCY LIGHTING CIRCUITS AND EXIT LIGHTING CIRCUITS REMAIN AND ARE MADE SAFE FOR USE DURING THE CONSTRUCTION PHASE.
 - CONTRACTOR TO KEEP EXISTING BREAKERS LOCATED IN EXISTING MCC AND RENAME THEM TO "SPARE".



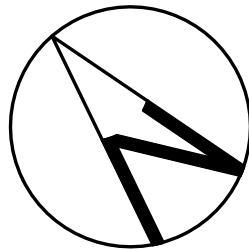
1
E-301 MECHANICAL ROOM - ROOF - DEMOLITION
SCALE: 1:50



Colliers
Project Leaders

No	Revisions	Date
3	ISSUED FOR TENDER	2025/04/11
2	ISSUED FOR 99% SUBMISSION	2025/03/19
1	ISSUED FOR 33% SUBMISSION	2025/01/31

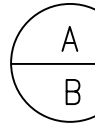
Orientation



Seal



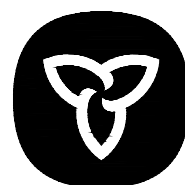
The Contractor shall check and verify all dimensions and report all errors and omissions to the IO–Owner’s/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.



A Detail No
B Sheet No where detailed



MAT 4SITE ENGINEERS LTD.
620 WILSON AVE., SUITE 320, TORONTO, ON M3K 1Z3
PHONE: 416-229-8574 FAX: 416-229-4105



**Infrastructure
Ontario**

Ministry PSIF Number

Project
ABSORPTION CHILLER DECOMMISSIONING

Location
777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3
By Project No. Site No. Building No.
230467-274385 N06689 B25370

Client
INFRASTRUCTURE ONTARIO

Drawing Title
MECHANICAL ROOM – ROOF – POWER
& SYSTEMS – DEMO

Scale 1:50	Project Start Date 20241119
Drawn by C.S.	Substantial Performance Date TBD
Designed by C.S.	Drawing No E-301 of
Approved by R.M.	Floor No RF

CADD File NAME 24279-M

DRAWING NOTES

- 1. ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
- 2. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO REFERENCE DIMENSIONS GIVEN ON DRAWINGS.
- 3. FEATURES OF CONSTRUCTION NOT FULLY SHOWN ARE OF THE SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.
- 4. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION AND LOCATION OF THE ROOF OPENINGS TO BE REPAIRED. CONTRACTOR TO REVIEW ALL DRAWINGS AND IN THE EVENT OF DISCREPANCY CONTACT CONSULTANTS PRIOR TO PROCEEDING WITH WORK.
- 5. ALL CODES AND STANDARDS REFERENCED IN THESE NOTES TO BE LATEST ISSUE AT TIME OF DRAWING ISSUANCE.

GENERAL NOTES

- 1. ALL NOTES HEREIN REFERRING TO 'CONTRACTOR' ARE TO MEAN THE GENERAL CONTRACTOR & SUB-CONTRACTORS.
- 2. ALL THE WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO BUILDING CODE, THE OCCUPATIONAL HEALTH & SAFETY ACT, AND WITH GOOD CONSTRUCTION PRACTICE.
- 3. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS & SITE CONDITIONS, COMPARE WITH THOSE INDICATED ON THE DRAWINGS & ADVISE THE DESIGNER OF ANY DISCREPANCY. COMMENCEMENT OF WORK SHALL BE DEEMED AS ACCEPTANCE OF SITE CONDITIONS BY THE CONTRACTOR.
- 4. DISCREPANCIES IDENTIFIED AFTER COMMENCEMENT OF THE WORK SHALL BE RECTIFIED AT THE EXPENSE OF THE CONTRACTOR & TO THE SATISFACTION OF THE CONSULTANT.

- 5. CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING STRUCTURES, FINISHES, EQUIPMENT, AND PROPERTIES ADJACENT THE AREAS OF WORK. ALL DISTURBED AREAS, DAMAGED PROPERTIES AND/OR STRUCTURES SHALL BE RESTORED TO ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR AND TO THE SATISFACTION OF THE CONSULTANT AND/OR OWNER.
- 6. ALL SERVICES ARE TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION & ADEQUATE PROTECTION PROVIDED AT ALL TIMES. ANY INTERFERENCE TO EXISTING SERVICES OR UTILITIES WITH THE PROPOSED CONSTRUCTION OPERATIONS IS TO BE REPORTED TO THE CONSULTANT PRIOR TO THE CONTINUATION OF CONSTRUCTION.
- 7. ALL MATERIALS INDICATED ON THE DRAWINGS ARE NEW U.N.O.
- 8. CONTRACTOR TO FOLLOW ALL MANUFACTURER'S INSTRUCTIONS & SPECIFICATIONS FOR MATERIALS USED TO CARRY OUT THE WORK.
- 9. THE CONSTRUCTION SCOPE OF WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED IN ACCORDANCE WITH ALL REQUIRED CURRENT BUILDING CODES & REGULATIONS IN THE MUNICIPALITY IN WHICH THE CONSTRUCTION IS TO OCCUR.

STEEL NOTES

- 1. ALL WELDING SHALL CONFORM TO CSA W59 AND BE PERFORMED BY COMPANIES CERTIFIED TO CSA W47.1. ELECTRODES TO BE USED ARE E49-XX U.N.O.
- 2. DECK TO CONFORM TO ASTM-A446 GRADE A WITH ZINC COATING CLASSIFICATION OF ZF075. UNLESS NOTED. MINIMUM THICKNESS TO BE 0.91mm (20GA). ALL FIELD WELDS TO BE TOUCHED-UP WITH STANDARD ALUMINUM TOUCH-UP PAINT.



01
S.01

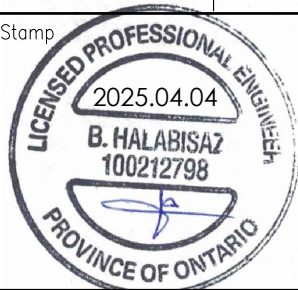
TYPICAL ROOF OPENING REPAIR DETAIL

Scale 1:20

2	ISSUED FOR TENDER	2025.04.04
1	ISSUED FOR REVIEW	2025.03.13
No	Revisions	Date

Orientation

Stamp



The Contractor shall check and verify all dimensions and report all errors and omissions to the IO–Owner’s/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.



A Detail No

B Sheet No where detailed



**Infrastructure
Ontario**

Ministry PSIF Number

Project

ABSORPTION CHILLER DECOMMISSIONING

Location

777 MEMORIAL AVENUE,
ORILLIA, ON L3V 7V3

IO Project No

Site No

Building No

230467–274385

N06689

B25370

Client

INFRASTRUCTURE ONTARIO

Drawing Title

ROOF OPENING REPAIR DETAILS

Scale AS NOTED	Project Start Date YYYYMMDD
Drawn by KN	Substantial Performance Date YYYYMMDD
Designed by JT	Drawing No S.01 of 1
Approved by BH	Floor No

CADD File NAME