

BUILDING PERMIT

This card must be kept posted in a conspicuous place on site of construction.

25 219932 HVA 00 MS

Site Address 30 ELLERSLIE AVE

Project Description Police Station with Detention;

Building Permit Related(MS)

Date Issued Monday October 27, 2025

Kamal Gogna, P. Eng.
Interim Chief Building
Official & Executive Director

Tony D'Amico
Deputy Chief Building Official and
Director

THIS IS YOUR PERMIT TO CONSTRUCT
PERMIT NUMBER: 25 219932 HVA 00 MS

Owner:
CITY OF TORONTO

Address:
C/O ATEF BOULOS
55 JOHN ST
TORONTO ON

CITY OF TORONTO

C/O FACILITIES AND REAL ESTATE
55 JOHN ST 2FL
TORONTO, ON M5V 3C6
CAN

Project Description: Police Station with Detention; Building Permit Related(MS)

Project Location: 30 ELLERSLIE AVE

Ward:

The issuance of this permit is based on the drawings, specifications, details and information submitted with the application. The submitted documents have been reviewed for compliance with the Ontario Building Code, Zoning By-laws, applicable regulations and legislation.

The referenced permit number listed above and on your permit placard also appears on all plans reviewed for this building permit application. The validity of this permit is restricted to the person/company named as owner. Permit ownership cannot be transferred unless prior written authorization is given by the Chief Building Official.

The extent of construction authorized under this permit is limited to the description contained herein as follows:
HVAC - Proposal for replacement of asphalt paving and cooling tower

Stated work and use must be in accordance with the plans, specifications, building permit notes and other information issued with this building permit. Changes to any documents submitted are not to be made unless prior authorization is obtained from the Chief Building Official or designate. False information may be grounds for revocation of the building permit.

Notwithstanding, it is the responsibility of the owner to comply with requirements of the Ontario Building Code and applicable laws as well as to ensure compliance ..

The permit placard must be posted in a conspicuous place on the construction site.

Tony D'Amico
Deputy Chief Building Official
North York District

Issued by: Johnson-Brown, Pauline
Date Issued: October 27, 2025

Please see the second page of this letter for additional requirements and inspection information.

WHEN YOU BEGIN DEMOLITION/CONSTRUCTION ...

Site Fencing

As soon as construction or demolition starts, your site must be entirely surrounded by a fence which is in compliance with the City of Toronto Municipal Code Chapter 363, Article III. The minimum requirement is plastic mesh fencing, 1.2 metres high, tied to posts spaced no more than 1.2 metres apart with an 11 gauge top and bottom wire threaded through the mesh and looped around each post. The Municipal Code is available on the City website at:

http://www.toronto.ca/legdocs/municode/1184_363.pdf

Construction Noise

Any construction which generates noise is prohibited in residential areas between the hours of 7:00 p.m. one day to 7:00 a.m. the next day, 9:00 a.m. on Saturdays, and all day Sunday and Statutory holidays.

When To Call For Inspection

You are required by Division C, Part 1, Article 1.3.5.1. of the Ontario Building Code, to notify the building inspection office at several prescribed stages of construction. Please contact the building inspection office at the telephone number listed below, when each of the following stages are substantially complete:

Inspection Stages

* HVAC/Extraction Rough-in

* HVAC Final

* Occupancy

To Schedule your Next Mandatory Inspection

When you are ready to book your inspection, you may request an inspection online from your computer or smart phone using Toronto Building's Inspection Request web application at www.toronto.ca/building-inspection-request.

Alternatively, you may contact your local building inspection office by telephone at 416-338-0700, by fax 416-696-4179 or by email to NYBldgInsp@toronto.ca.

Inspections will take place within two days commencing at the start of business on the day following your notification (Inspection Request).

Please leave a telephone number where you can be reached or a message can be left.

The inspector assigned to your project is Gabriela David (416) 395-7185

PERMIT PLANS MUST BE ON SITE

Your permit plans and specifications must be on site at all times. Inspections are conducted with your copy of the plans.

BULLETIN - CONSTRUCTION SAFETY

The responsibilities of the City of Toronto under the Occupational Health and Safety Act apply to all our employees regardless of the location at which they are working.

Responsibilities for the Construction Safety Regulations on construction sites are clearly spelled out in the Act under the definitions of constructor, employer, supervisor and worker.

The City of Toronto believes that the goal of safe and injury free construction sites is a priority for all parties involved in building construction.

Safety training for the City of Toronto Building Inspectors is mandatory. However the delivery of a safe working environment on construction sites must include the compliance of individual builders with the Occupational Health and Safety Act.

Safety measures include the following:

1. Temporary guards on all openings,
2. Correct use of ladders,
3. Temporary or permanent stairs above or below grade by the time the sub floor is complete,
4. Clear and safe access to the site,
5. Protection of trenches and excavation below four feet deep, and
6. Correct use of fall prevention equipment where required.

As the employer responsible for the safety of building inspectors, the City of Toronto has instructed its Building Inspectors not to conduct inspections on sites where conditions exist that could jeopardize their health and safety.

The following are examples of conditions which may jeopardize the health and safety of inspectors:

1. Guards are missing,
2. Ladders do not meet regulations,
3. Temporary or permanent stairs, above or below grade, to all floor levels are not provided as required.
4. Access to the site has impediments or hazards, or
5. Trenches or excavations lack required shoring or slope of bank.

Prior to calling for an inspection the appropriate safety measures shall be in place as a site inadequately provided with these measures is not ready for inspection. The City of Toronto Building Inspectors will cooperate with builders regarding the timing of making provision for these safety measures. However, if the measures are not provided, an Order Not To Cover could be issued and the Ministry of Labour informed.

We look forward to working with you toward the goal of a safe environment for all workers.

Notice of Project - Please be advised that the Ministry of Labour requires a Notice of Project be filed with them before starting any project costing \$50,000 or more.

For more information about the Notice of Project form and construction information please visit Ministry of Labour website at: <https://www.labour.gov.on.ca/english/hs/forms/>

Report an Incident

Notify the ministry of fatalities, critical injuries, work refusals, reprisals and unsafe work practices.

Ministry of Labour Health & Safety Contact Centre

Toll-free: 1-877-202-0008

TTY: 1-855-653-9260

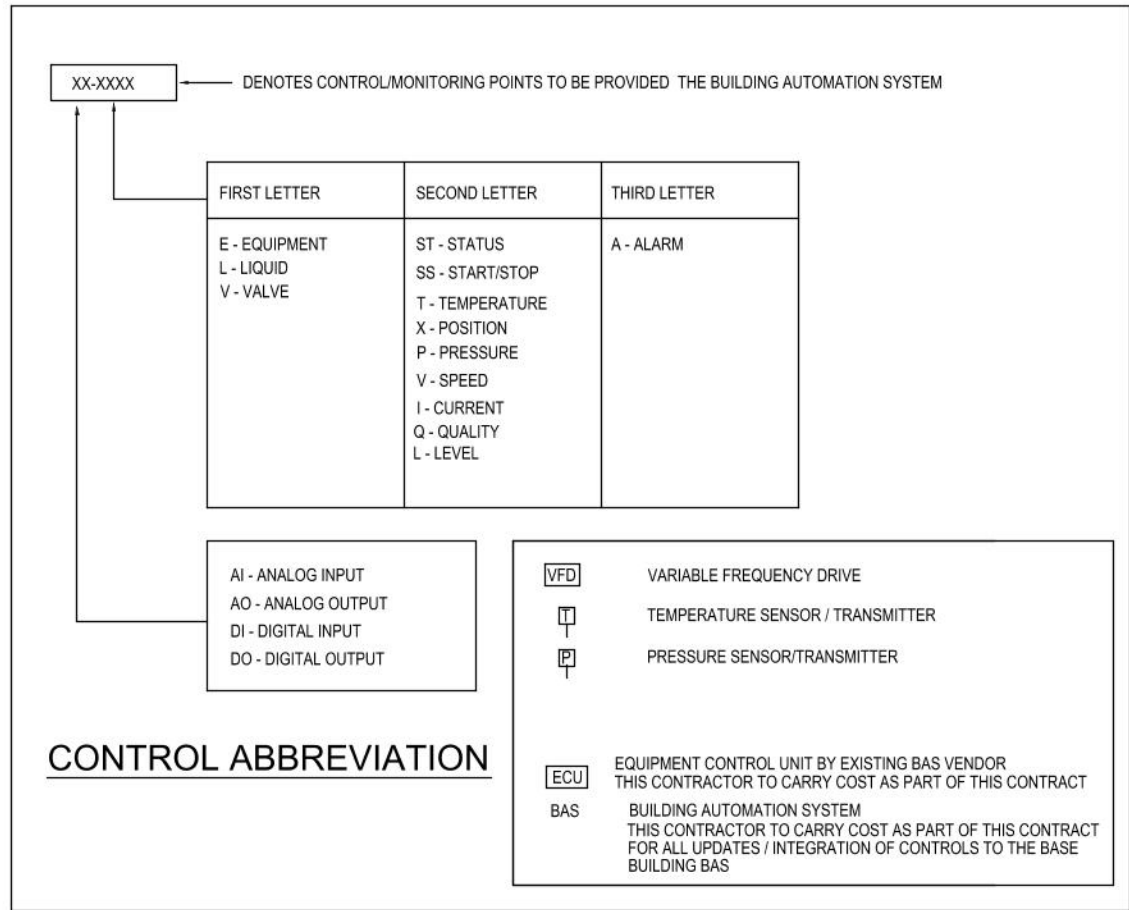
Fax: 905-577-1316

Construction of the work approved in this building permit must be carried out with reasonable care to ensure protection for everyone on the construction site from the hazards associated with all overhead and underground power lines. Obtain further information at: <http://www.torontohydro.com/powerlinesafety>

EXISTING COOLING TOWER SCHEDULE																								
TAG	SERVICE	LOCATION	TYPE	HEAT REJECTION	FLUID	FLOW	INLET PRESSURE	TEMPERATURES			FAN			BASIN HEATER	ELECTRICAL DATA			APPROX. WEIGHT			MANUFACTURER			REMARKS
				MBH				INLET	OUTLET	DESIGN WB					POWER	MCA	MFS	SHIPPING	OPERATING	HEAVIEST SECTION	MAKE	SERIAL NUMBER	MODEL	
CT-1	HEAT REJECTION - CONDENSER WATER	ON GRADE - SURFACE CAR PARK	OPEN CIRCUIT - FORCED DRAFT	1,800	WATER	360	1.5	95	85	75	CENTRIFUGAL - BELT DRIVE	2 SPEED	10	NIL	230/3/60	35	60	2,750	4,550	1,580	EVAPCO	984400	LSTA 4-122	
ACCESSORIES		ELECTRICAL WATER LEVEL CONTROL DISCHARGE HOOD LESS DAMPERS LADDER WITH SAFETY CAGE																						

NEW COOLING TOWER SCHEDULE																												
TAG	SERVICE	LOCATION	TYPE	HEAT REJECTION REQUIRED	FLUID	FLOW	INLET PRESSURE	PRESSURE DROP ACROSS COOLING TOWER - INCLUDING STATIC HEAD	AIRFLOW	TEMPERATURES			FAN			BASIN HEATER	PEAK MAKE UP FLOW RATE	SOUND POWER LEVEL		ELECTRICAL DATA			APPROX. WEIGHT			MANUFACTURER		REMARKS
				MBH						INLET	OUTLET	DESIGN WB	TYPE	MOTOR	HP			FULL SPEED	50% SPEED	POWER	MCA	MFS	SHIPPING	OPERATING	HEAVIEST SECTION	MAKE	MODEL	
										DEG F	DEG F	DEG F																
CT-1	HEAT REJECTION - CONDENSER WATER	ON GRADE - SURFACE CAR PARK	OPEN CIRCUIT - FORCED DRAFT	1,800	WATER	360	1.5	5.5	24,400	95	85	75	CENTRIFUGAL - BELT DRIVE	VARIABLE SPEED	10	NIL	3	91	85	230/3/60	35	60	2,930	4,240	1,730	LSTE-4112	EVAPCO	ENERGY EFFICIENCY COMPLIANCE TO ASHRAE 90.1-2019
ACCESSORIES		INVERTER DUTY - PREMIUM EFFICIENT MOTOR																										
		ELECTRONIC WATER LEVEL CONTROL																										
		VARIABLE SPEED CONTROL																										
		BLEED CONTROL COMPLETE WITH CONDUCTIVITY SENSOR																										
		OEM CONTROL PANEL COMPLETE WITH FIELD TERMINATION POINTS FOR BAS TIE IN LADDER WITH SAFETY CAGE																										

DRAWING LIST	
DRAWING NUMBER	TITLE
M1	LEGEND AND ABBREVIATION, SCHEDULES AND DRAWING LIST
M2	KEY PLAN SHOWING SCOPE OF WORK
M3	ENLARGED PLAN - DEMOLITION
M4	ENLARGED PLAN - NEW INSTALLATION
M5	PIPING SCHEMATICS AND NOTES
M6	POWER FIELD, CONTROL SCHEMATICS, CONTROL SEQUENCE AND BAS POINTS
ABOVE DRAWINGS TO BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS	



MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING (SHOWN AS THIN LINE)
	NEW INSTALLATION (SHOWN AS THICKER LINE)
	EXISTING TO BE DEMOLISHED / RELOCATED
	CONNECT TO EXISTING
	ISOLATION VALVE
	NORMALLY CLOSED ISOLATION VALVE
	PIPE MOUNTED TEMPERATURE SENSOR
	PIPE MOUNTED THERMOMETER COMPLETE WITH THERMOWELL
	FLOW METER
	PIPE MOUNTED PRESSURE SENSOR
	PRESSURE GAUGE COMPLETE WITH NIPPLE AND PETCOCK
	SLOW ACTING SOLENOID VALVE
	FLOW BALANCING VALVE
	REDUCED PRESSURE BACKFLOW PREVENTOR
	MOTORIZED VALVE
	VARIABLE FREQUENCY DRIVE
	ORIGINAL EQUIPMENT MANUFACTURER
	POWER WIRING
	FIELD CONTROL WIRING
	AUTOMATIC AIR VENT
	DRAIN
	Y- STRAINER
	CAP





PERMIT REVIEWED FOR COMPLIANCE WITH THE ONTARIO BUILDING CODE

25 219932 HVA 00

ZONING		
O.B.C.		
FIRE SERVICES		
O.B.C. (S)		

5		
4		
3	ISSUED FOR TENDER	NOV 01, 2024
2	60% DD - FOR CLIENT REVIEW	OCT 16, 2024
1	30% DD - FOR CLIENT REVIEW	AUG 22, 2024
NO.	REVISION	DATE

NOTE:
CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME, REPORTING ANY DISCREPANCIES TO THE OWNER, BEFORE TENDER CLOSING.

LATEST APPROVED DRAWINGS ONLY TO BE USED FOR CONSTRUCTION.

PRINTS ARE NOT TO BE SCALED.



CORPORATE REAL ESTATE MANAGEMENT
METRO HALL, 55 JOHN STREET
2ND FLOOR
TORONTO, ONTARIO, M5V 3C6

MECHANICAL ENGINEER



Consultants

A & T CONSULTANTS
ENGINEERS AND PROJECT MANAGERS
7 INVITATIONAL ROAD
BRAMPTON, ON L6P 2H1
PH: 416-841-6869



TABCON CONSULTING INC.

494 McNicoll Avenue, Suite # 201
Toronto, Ontario, M2H 2E1
Tel. : (647) 974-7006
Web Site : www.tabcon.com

Project Name :
TPS 32 DIVISION

Project Address :
30 ELLERSLIE AVENUE
TORONTO, ON

Job Descriptl. :
COOLING TOWER REPLACEMENT

Drawing Title:
LEGEND AND ABBREVIATIONS, SCHEDULES AND DRAWING LIST

Design:	J.T.
DRAWN:	J.T.
Approv.:	J.T.
Scale:	NOT TO SCALE
Date:	12-AUG-2024

Job No.
23-1059

Dwg.No.
M1

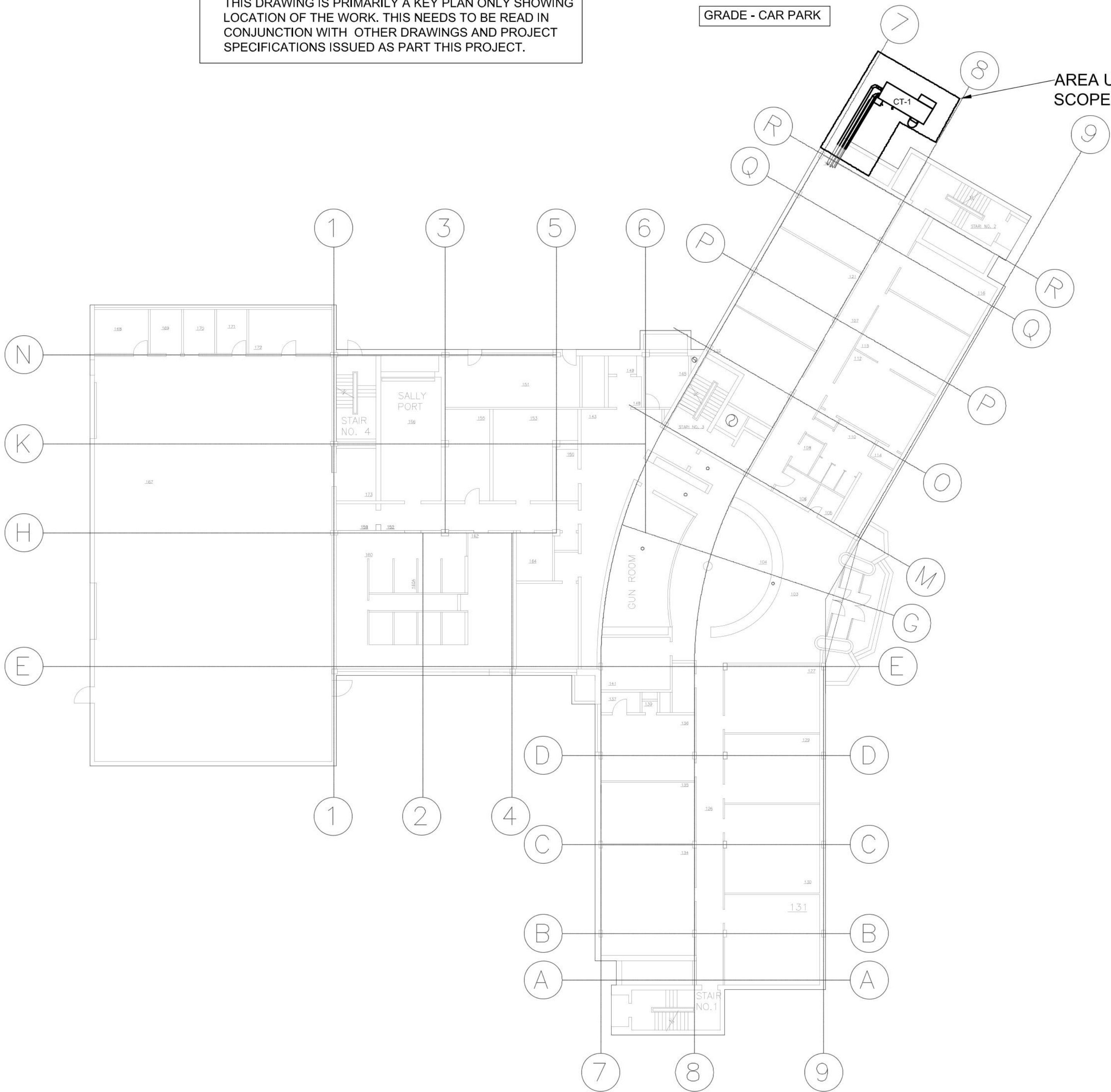
TRUE NORTH PROJECT NORTH



THIS DRAWING IS PRIMARILY A KEY PLAN ONLY SHOWING LOCATION OF THE WORK. THIS NEEDS TO BE READ IN CONJUNCTION WITH OTHER DRAWINGS AND PROJECT SPECIFICATIONS ISSUED AS PART THIS PROJECT.

GRADE - CAR PARK

AREA UNDER SCOPE OF WORK



Toronto Building
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Job Descript. :
COOLING TOWER REPLACEMENT

Drawing Title:
KEY PLAN SHOWING
SCOPE OF WORK

Design:	J.T.
DRAWN:	J.T.
Approv.:	J.T.
Scale:	1: 200
Date:	12-AUG-2024

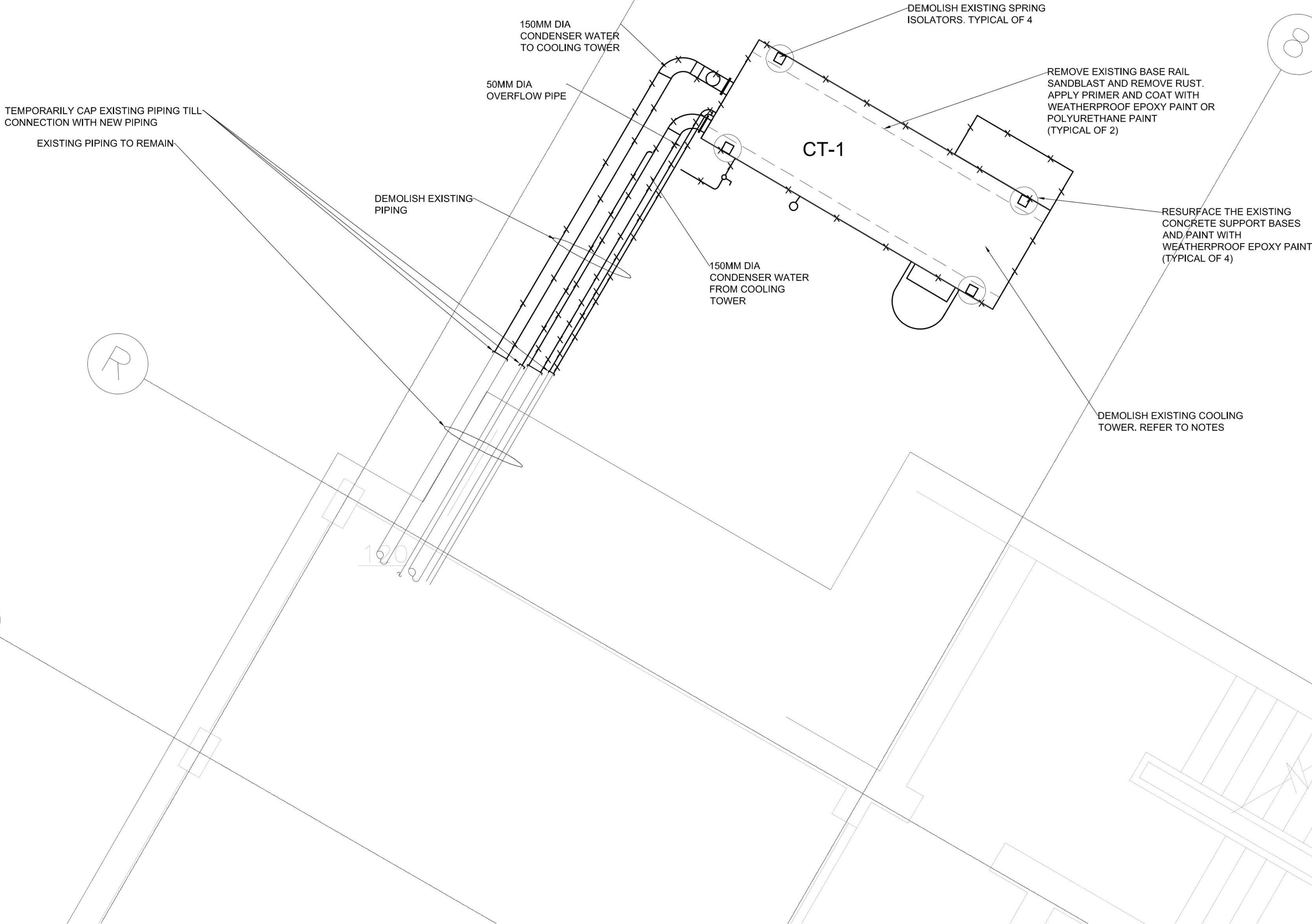
Job No.
23-1059

Dwg.No.

M2

DEMOLITION NOTES:
DEMOLISH EXISTING OPEN CIRCUIT COOLING TOWER AND ASSOCIATED DRAFT NOZZLE, CONDENSER WATER PIPING CONNECTIONS, FLEXIBLE PIPE CONNECTIONS, MAKE UP WATER PIPING CONNECTION, POWER AND CONTROL WIRING
DRAIN TOWER AND ISOLATE POWER AND MAKE WATER FEED PRIOR TO DEMOLITION
TEMPORARILY CAP EXISTING CONDENSER AND DRAIN WATER PIPING AT CONNECTION POINT TILL INSTALLATION OF NEW PIPING
DEMOLITION DETAILS SHOWN IS BASED ON BEST JUDGEMENT - INSTALLER TO SITE COORDINATE

- THE FOLLOWING ARE NOT SHOWN ON THIS PLAN FOR PURPOSES OF CLARITY
- DRAIN PIPING
 - POWER WIRING
 - PIPING SUPPORTS
 - SPRING ISOLATOR
 - COOLING TOWER BASE
 - VALVING, FLEX CONNECTORS, INSTRUMENTATION



Toronto Building
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Toronto

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Project Name :
TPS 32 DIVISION

Project Address :
30 ELLERSLIE AVENUE
TORONTO, ON

Job Descript.:
COOLING TOWER REPLACEMENT

Drawing Title:
ENLARGED PLAN
DEMOLITION

Design:	J.T.
DRAWN:	J.T.
Approv.:	J.T.
Scale:	1:25
Date:	12-AUG-2024

Job No. 23-1059	Dwg.No. M3
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NOTES:

CLEAN AND PREPARE SUPPORTING BASE PRIOR TO INSTALLATION OF THE NEW COOLING TOWER

IF SUPPORTING BASE NEEDS TO BE MODIFIED, CONSULT WITH STRUCTURAL ENGINEER AND MODIFY BASE AT NO EXTRA COST

INSTALL NEW OPEN CIRCUIT COOLING TOWER IN THE LOCATION OF THE EXISTING TOWER

INSTALL THE FOLLOWING SERVICES TO THE NEW COOLING TOWER

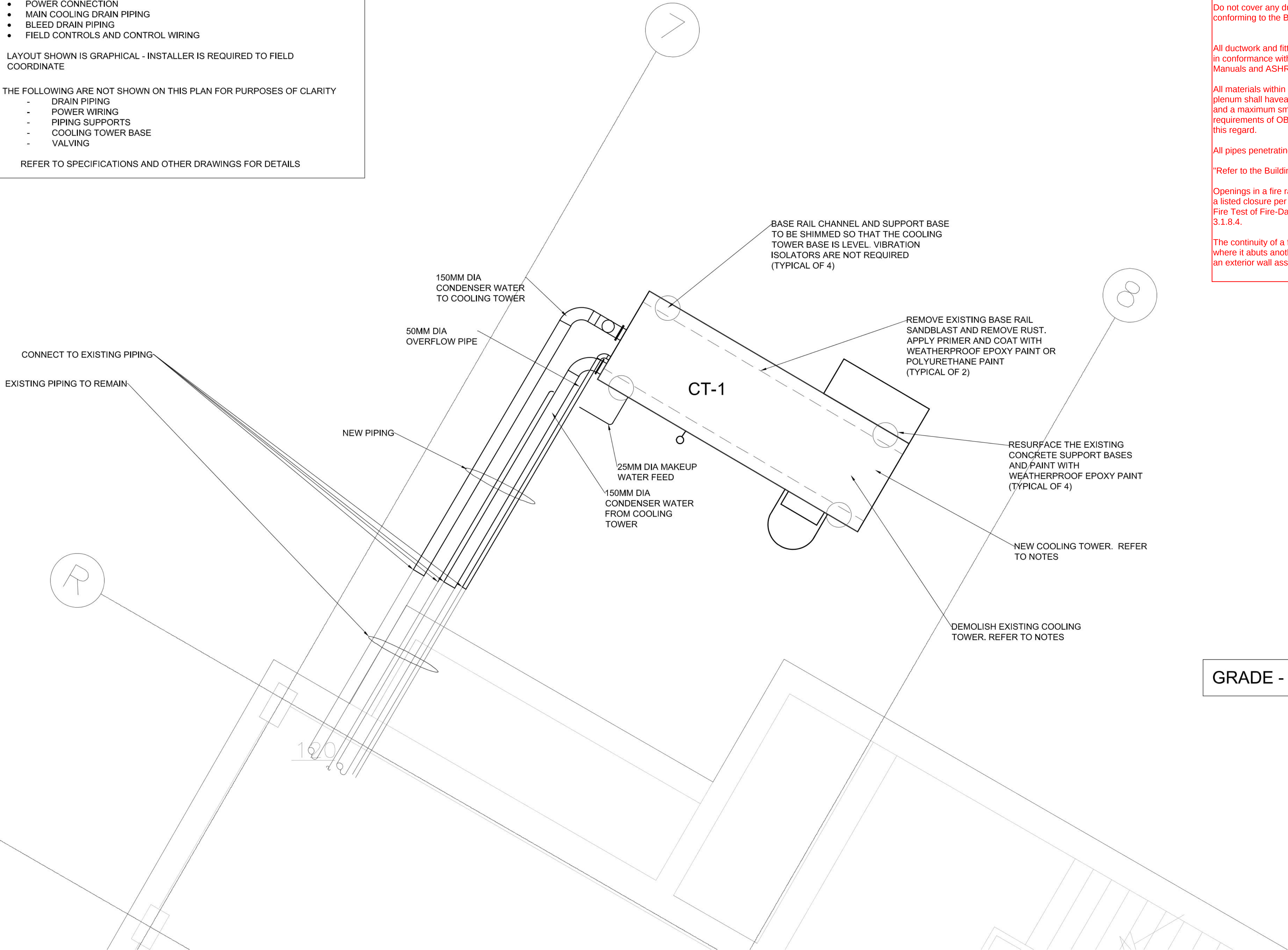
- CONDENSER PIPING CONNECTION
- MAKE UP WATER PIPING CONNECTION
- POWER CONNECTION
- MAIN COOLING DRAIN PIPING
- BLEED DRAIN PIPING
- FIELD CONTROLS AND CONTROL WIRING

LAYOUT SHOWN IS GRAPHICAL - INSTALLER IS REQUIRED TO FIELD COORDINATE

THE FOLLOWING ARE NOT SHOWN ON THIS PLAN FOR PURPOSES OF CLARITY

- DRAIN PIPING
- POWER WIRING
- PIPING SUPPORTS
- COOLING TOWER BASE
- VALVING

REFER TO SPECIFICATIONS AND OTHER DRAWINGS FOR DETAILS



GRADE - CAR PARK



The City has relied upon the plans and drawings prepared and submitted by the qualified engineer/designer on this project. The issuance of a permit does not imply a complete design review of this project has been performed and does not relieve the owner and designers from the need to comply with the Ontario Building Code and referenced standards where contraventions are subsequently noted.

Mechanical drawings shall be read in conjunction with architectural drawings and specifications.

All HVAC shall conform to the Ontario Building Code, Part 6.

Do not cover any ductwork and piping prior to inspection conforming to the Building Code Act.

All ductwork and fittings shall be constructed and installed in conformance with OBC 3.6.5. & 6.3.2, SMACNA Manuals and ASHRAE Standards,

All materials within the ceiling space used as a return air plenum shall have a maximum flame spread rating of 25 and a maximum smoke developed rating of 50 and all requirements of OBC 3.6.5. & 6.3.2. should be followed in this regard.

All pipes penetrating fire separations shall be fire stopped.

"Refer to the Building Permit for fire separations:

Openings in a fire rated separation shall be protected with a listed closure per CAN/ULC-S112, ""Standard Method of Fire Test of Fire-Damper Assemblies"" as per OBC 6.9 and 3.1.8.4.

The continuity of a fire separation shall be maintained where it abuts another fire separation, a floor, a ceiling or an exterior wall assembly as per 3.1.8.3."



25 219932 HVA 00

ZONING		
O.B.C.	Adeli, Aria	24/Oct/2025
FIRE SERVICES		
O.B.C. (S)		

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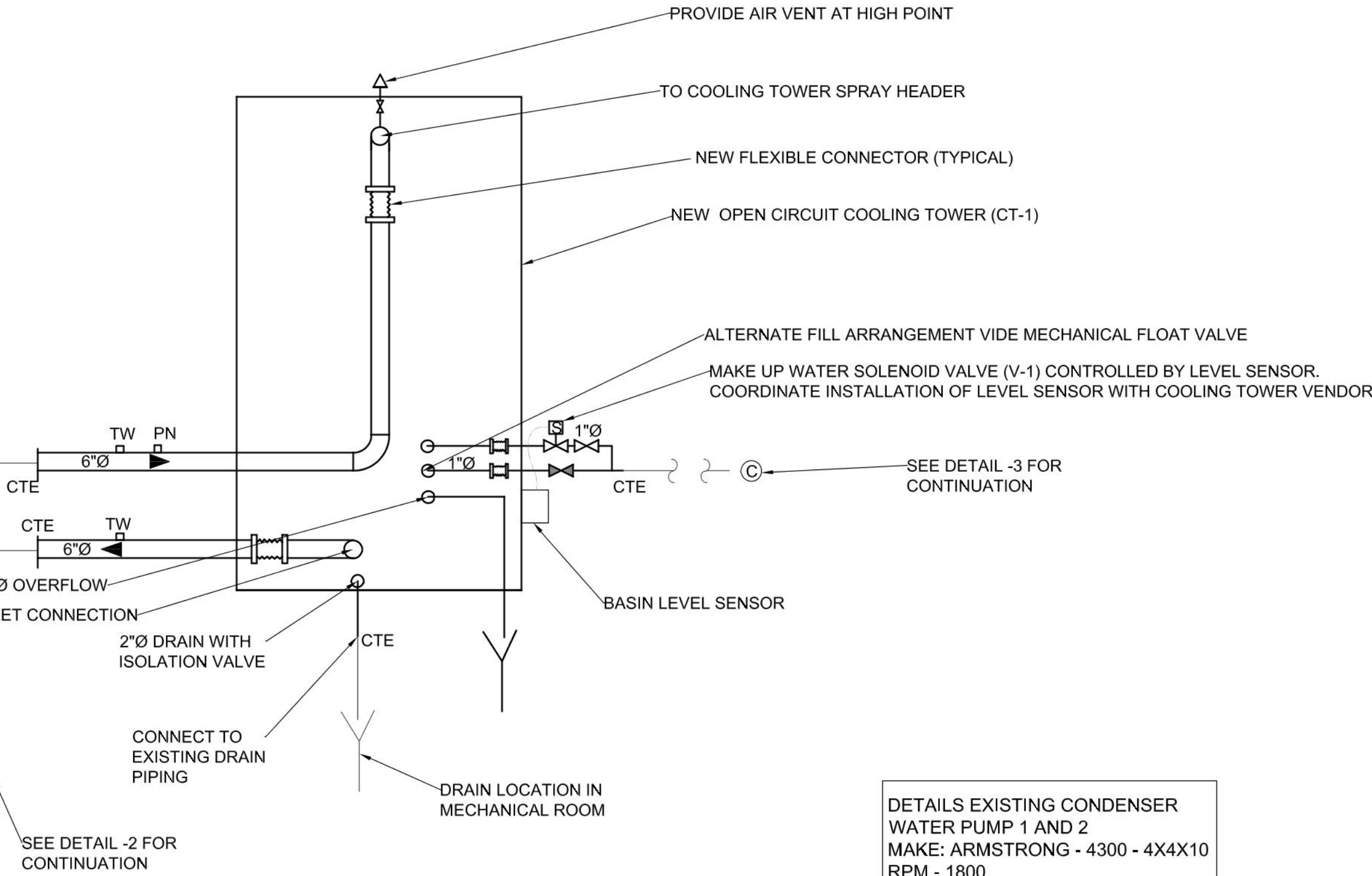
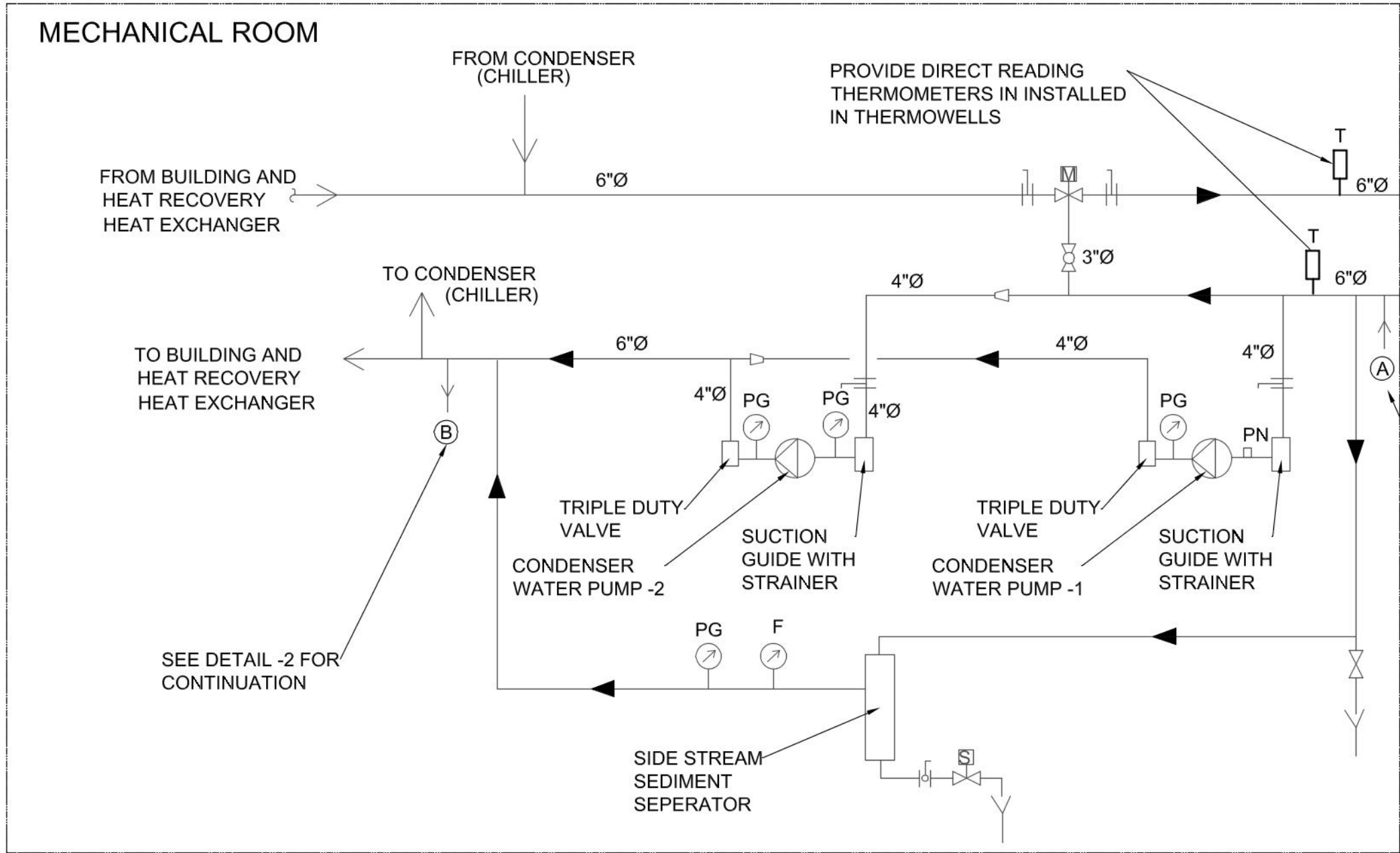
Job Descript.:
COOLING TOWER REPLACEMENT

Drawing Title:
ENLARGED PLAN
NEW INSTALLATION

Design:	J.T.
DRAWN:	J.T.
Approv.:	J.T.
Scale:	1:25
Date:	12-AUG-2024

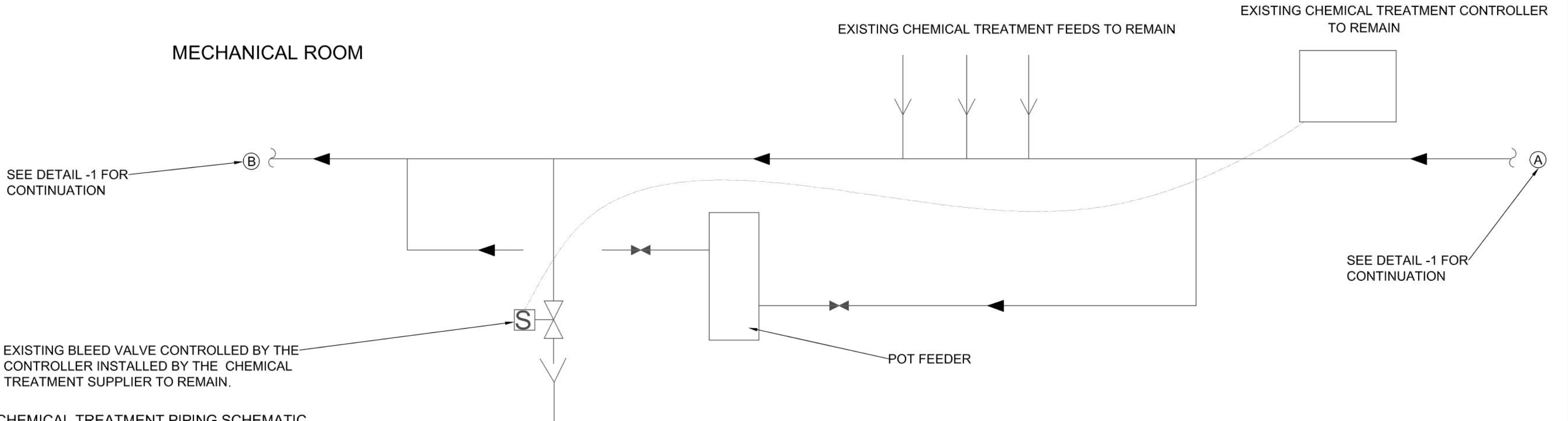
Job No. 23-1059	Dwg.No. M4
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REFER TO CONTROL SCHEMATICS FOR CONTROL DETAILS / FIELD CONTROLS

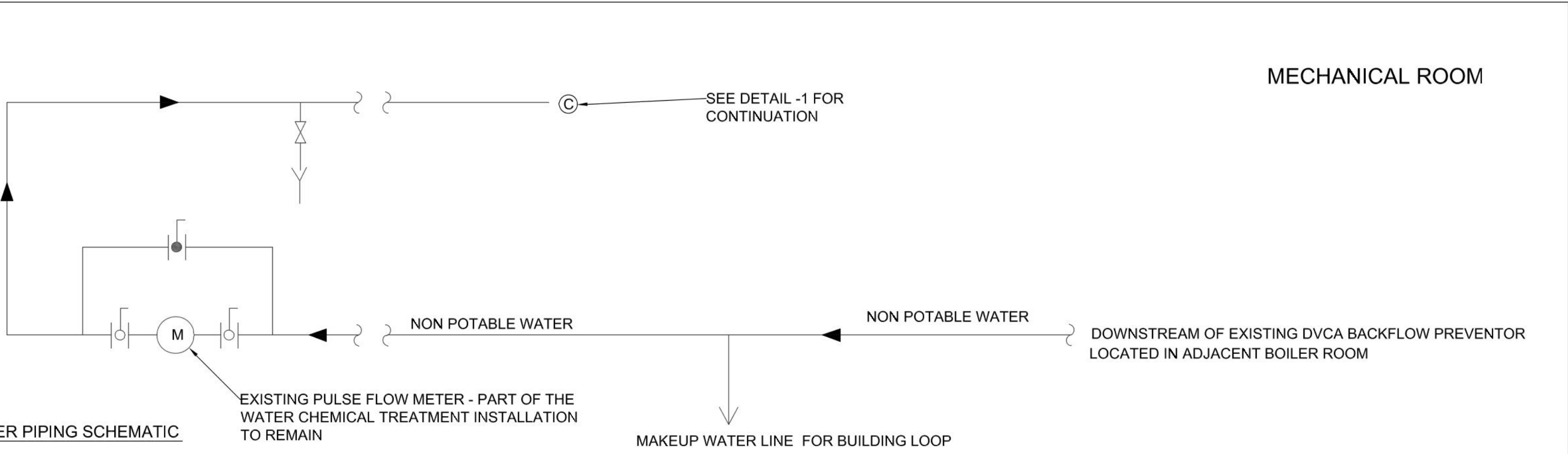


DETAILS EXISTING CONDENSER WATER PUMP 1 AND 2
MAKE: ARMSTRONG - 4300 - 4X4X10
RPM - 1800
FLOW = 360 GM
HEAD - 66 FT
10 HP - 230V / 3 PH

1 CONDENSER WATER PIPING SCHEMATIC
M5 NOT TO SCALE



2 CONDENSER WATER CHEMICAL TREATMENT PIPING SCHEMATIC
M5 NOT TO SCALE



3 COOLING TOWER MAKE UP WATER PIPING SCHEMATIC
M5 NOT TO SCALE

NOTES

ALL EXISTING VALVING WITHIN THE MECHANICAL ROOM TO REMAIN

AS PART OF THE CONTRACT, THIS CONTRACTOR TO CHECK FUNCTIONALITY OF THE ISOLATION VALVING NOTED IN THE SCHEMATICS AND ADVISE CONSULTANT IF ANY VALVE DOES NOT HOLD

AS PART OF THE CONTRACT, THIS CONTRACTOR TO COORDINATED WITH THE WATER CHEMICAL TREATMENT VENDOR AND ENSURE THAT THE CHEMICAL TREATMENT SYSTEM IS FUNCTIONAL AS PER INTENT AND THE BLEED VALVE IS FUNCTIONAL

RUST TO BE REMOVED ON ALL NEW AND EXISTING PIPING AND PIPE SUPPORTS NOTED ON THIS SCHEMATIC (I.E THE CONDENSER WATER PIPING TO EXTENT SHOWN IN THE SCHEMATIC INCLUDING SIDE STREAM FILTRATION PIPING (EXISTING AND NEW), ENTIRE MAKEUP WATER PIPING (BOTH EXISTING AND NEW) + CHEMICAL TREATMENT LOOP . CLEAN PIPING AFTER RUST REMOVAL, APPLY PRIMER AND PAINT COAT

RE-INSULATE AND CLAD ENTIRE LENGTH OF THE MAKE UP WATER PIPING STARTING FROM THE BACKFLOW PREVENTOR - INCLUDING ALL BRANCH PIPING ON THE NON POTABLE WATER PIPING RIGHT UP TO THE COOLING TOWER (BOTH NEW AND EXISTING)

TEST BACKFLOW PREVENTOR AND PROVIDE BACKFLOW TEST REPORT AS PART OF THE COMMISSIONING DOCUMENTATION

PRIOR TO START UP, CLEAN THE STRAINERS IN THE SUCTION GUIDE AT THE PUMP

ENSURE STABLE CONDENSER PUMP OPERATION AND COORDINATE WITH THE CONTROLS CONTRACTOR TO ENSURE LEAD / LAG CHANGE OVER OPERATION FOR THE PUMPS HAS BEEN ESTABLISHED

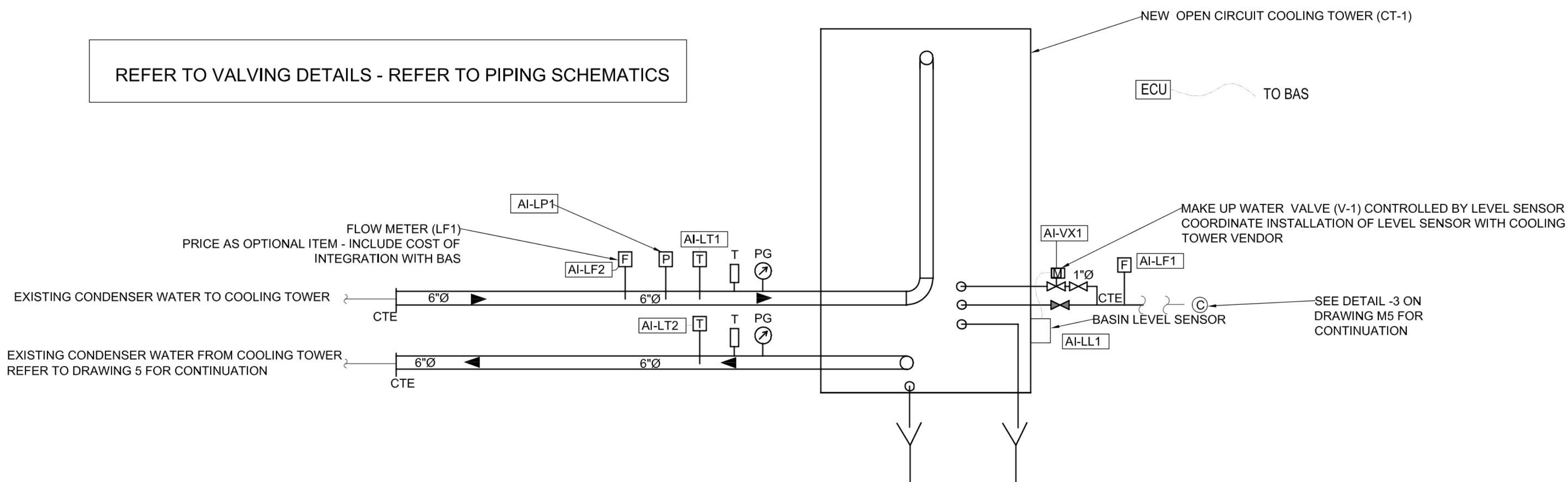
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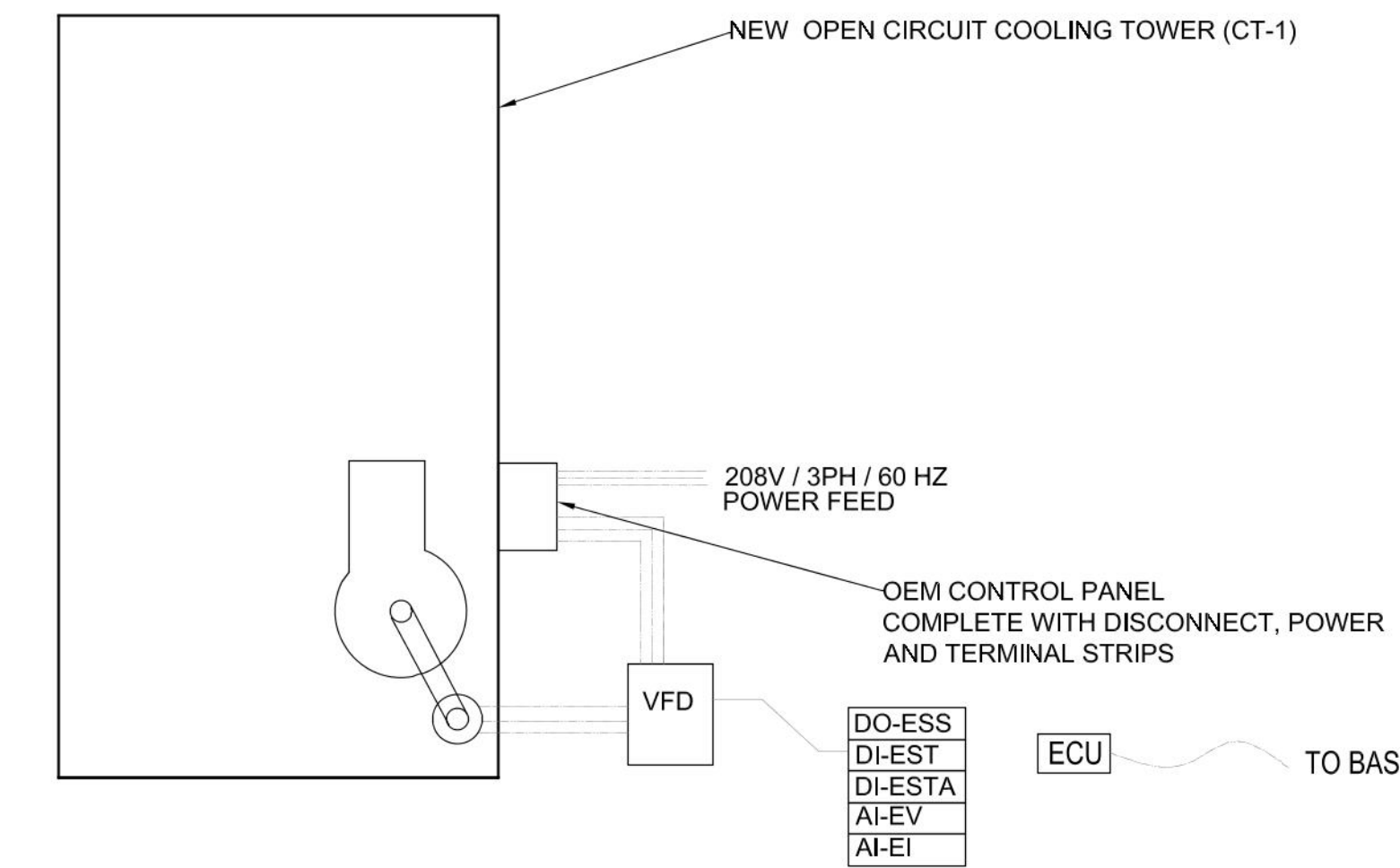
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1
M6
SCHEMATIC SHOWING FIELD CONTROLS FOR THE NEW COOLING TOWER
NOT TO SCALE



2
M6
COOLING TOWER POWER FEED AND CONTROL SCHEMATIC
NOT TO SCALE

COOLING TOWER OPTIMIZATION CONTROL SEQUENCE

OPERATOR / BMS INITIATES START-UP OF SYSTEM. LEAD CONDENSER WATER PUMP STARTS

OPERATING MODE: CONDENSER WATER TEMPERATURE LEAVING COOLING TOWER (LT2) BETWEEN 70 DEG F AND 85 DEG F

CONDENSER WATER TEMPERATURE LEAVING COOLING TOWER (LT2) < 70 DEG F. COOLING TOWER FAN OFF.

CONDENSER WATER TEMPERATURE LEAVING COOLING TOWER (LT2) - BETWEEN 70 AND 75 DEG F - COOLING TOWER FAN RUNNING @30% OF MAXIMUM SPEED

INCREASE FAN SPEED BY 7.5% OF FULL SPEED FOR EVERY DEG F RISE IN WATER TEMPERATURE LEAVING COOLING TOWER (LT2) TILL FULL SPEED IS REACHED.

COOLING TOWER WATER LEVEL CONTROL AND WATER SALINITY CONTROL

MAKE-UP WATER CONTROL:

MAKE UP VALVE (V-1) OPERATION CONTROLLED BY BASIN LEVEL SENSOR TO MAINTAIN SET BASIN WATER LEVEL
BYPASS FILL ARRANGEMENT BY MANUAL FLOAT VALVE - REFER TO PIPING SCHEMATICS FOR DETAILS

BLEED CONTROL:

EXISTING BLEED CONTROL ARRANGEMENT AS CONTROLLED BY THE CHEMICAL WATER TREATMENT CONTROLLER TO REMAIN.
AS PART OF THIS CONTRACT, THIS CONTRACTOR TO COORDINATE WITH THE EXISTING CHEMICAL TREATMENT VENDOR AND ENSURE THAT THE BLEED VALVE OPERATION IS VERIFIED AND THIS NEEDS TO BE RECORDED IN THE START UP REPORT.

SEASONAL OPERATIONAL REQUIREMENT (BY FACILITIES OR MAINTENANCE CONTRACTOR ENGAGED BY THE CLIENT)
COOLING TOWER BASIN TO BE DRAINED PRIOR TO WINTER AND REFILLED IN SUMMER

BAS MONITORING / TRENDING AND ALARM POINTS

MONITORING POINTS

EST	COOLING TOWER FAN OPERATING STATUS
ESTA	COOLING TOWER FAN OPERATING STATUS VFD GENERAL FAULT
EI1	COOLING TOWER FAN MOTOR CURRENT DRAW FOR EACH PHASE
EV1	COOLING TOWER FAN OR FAN MOTOR SPEED
LT1	COOLING TOWER INLET WATER TEMPERATURE
LP1	COOLING TOWER INLET WATER PRESSURE
LT2	COOLING TOWER OUTLET WATER TEMPERATURE
LF1	(OPERATIONAL CONTROL - CONTROLLING FAN SPEED)
YX1	MAKE UP WATER FLOW RATE
LL1	MAKE UP WATER CONTROL VALVE POSITION
	LIQUID LEVEL-1

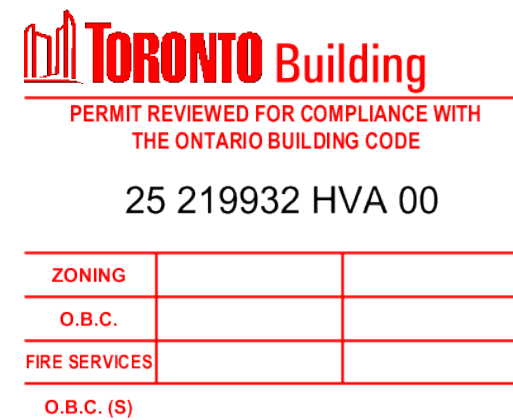
AI-LF2 CONDENSER WATER FLOW RATE - OPTIONAL PRICE ITEM

TRENDING POINTS

EST1	COOLING TOWER FAN RUN TIME - TOTAL OPERATIONAL TIME
EI1	COOLING TOWER FAN POWER DRAW - CUMULATIVE IN KWH
EV1	COOLING TOWER FAN OR FAN MOTOR SPEED
LT1	COOLING TOWER INLET WATER TEMPERATURE
LT2	COOLING TOWER OUTLET WATER TEMPERATURE
LF1	MAKE UP WATER FLOW RATE

ALARMS

ESTA1	COOLING TOWER VFD GENERAL FAULT
LT2	COOLING TOWER OUTLET WATER TEMPERATURE <10 DEG C / 50
LT2	COOLING TOWER OUTLET WATER TEMPERATURE >35 DEG C / 95
LL1	LOW BASIN LEVEL ALARM
LL1	HIGH BASIN LEVEL ALARM



NO.	REVISION	DATE
5		
4		
3	ISSUED FOR TENDER	NOV 01, 2024
2	60% DD - FOR CLIENT REVIEW	OCT 16, 2024
1	30% DD - FOR CLIENT REVIEW	AUG 22, 2024

NOTE:

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME, REPORTING ANY DISCREPANCIES TO THE OWNER, BEFORE TENDER CLOSING.

LATEST APPROVED DRAWINGS ONLY TO BE USED FOR CONSTRUCTION.

PRINTS ARE NOT TO BE SCALED.



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MECHANICAL ENGINEER



Consultants

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Web Site: www.tabcon.com

Project Name: TPS 32 DIVISION
Project Address: 30 ELLERSLIE AVENUE
TORONTO, ON
Job Descript.: COOLING TOWER REPLACEMENT

Drawing Title:
POWER FEED, CONTROL
SCHEMATICS, CONTROL
SEQUENCE AND BAS POINTS

Design:	J.T.
DRAWN:	J.T.
Approv.:	J.T.
Scale:	NOT TO SCALE
Date:	12-AUG-2024

Job No. 23-1059	Dwg.No. M6
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