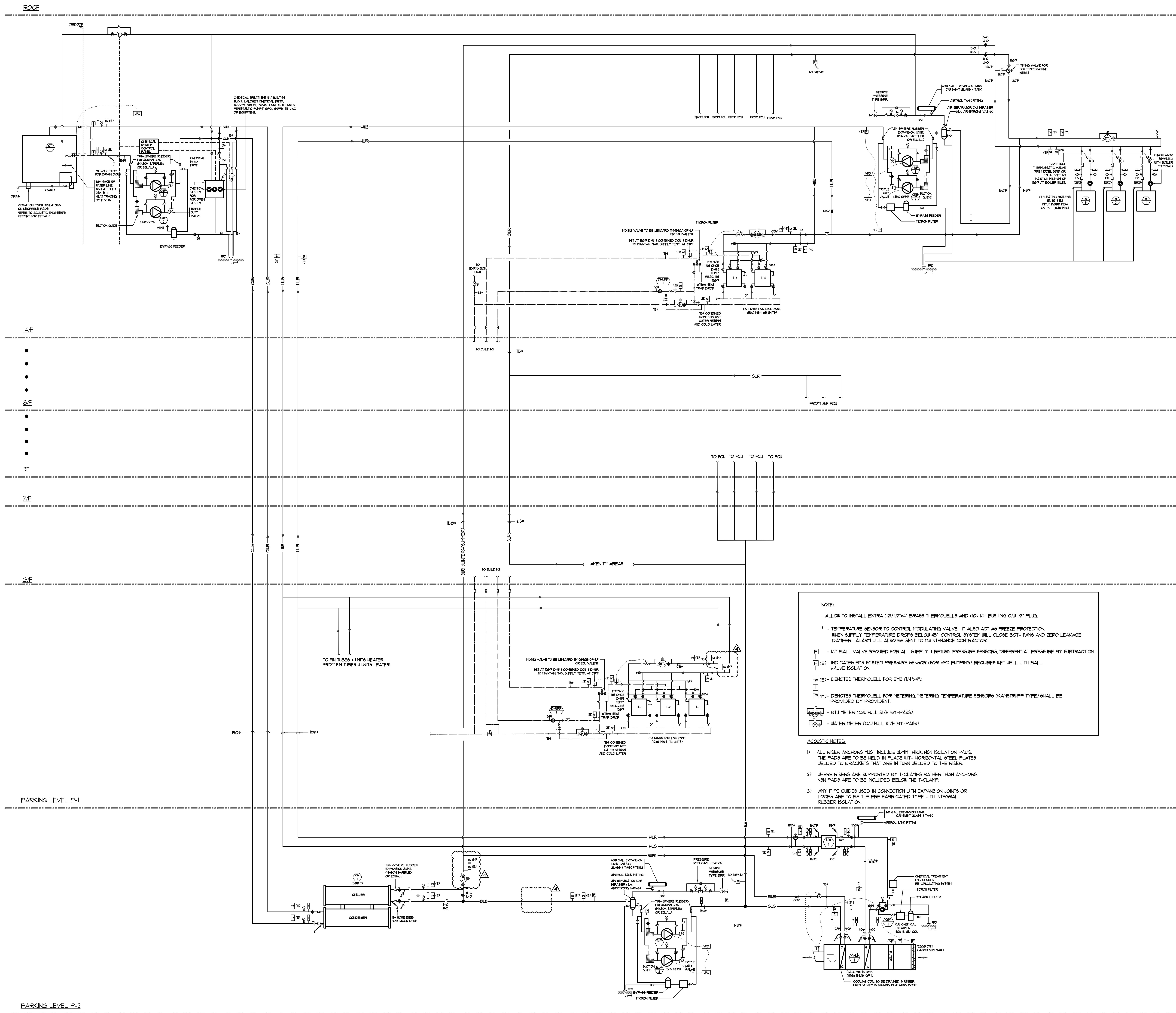




NOTE:

- ALLOW TO INSTALL EXTRA (10) 1/2"x4" BRASS THERMOQUELLS AND (10) 1/2" BUSHING C/U 1/2" PLUG.
- TEMPERATURE SENSOR TO CONTROL MODULATING VALVE. IT ALSO ACT AS FREEZE PROTECTION. WHEN SUPPLY TEMPERATURE DROPS BELOW 45°, CONTROL SYSTEM WILL CLOSE BOTH FANS AND ZERO LEAKAGE DAMPER. ALARM WILL ALSO BE SENT TO MAINTENANCE CONTRACTOR.
- 1/2" BALL VALVE REQUIRED FOR ALL SUPPLY & RETURN PRESSURE SENSORS, DIFFERENTIAL PRESSURE BY SUBTRACTION.
- (E) INDICATES EMS SYSTEM PRESSURE SENSOR (FOR VFD PUMPING). REQUIRED WET WELL WITH BALL VALVE ISOLATION.
- (E) DENOTES THERMOQUELL FOR EMS (1/4"x4").
- (M) DENOTES THERMOQUELL FOR METERING. METERING TEMPERATURE SENSORS (KAMSTRUP TYPE) SHALL BE PROVIDED BY PROVIDENT.
- BTU METER (C/U FULL SIZE BY-PASS).
- WATER METER (C/U FULL SIZE BY-PASS).

ACOUSTIC NOTES:

- 1) ALL RISER ANCHORS MUST INCLUDE 25MM THICK NON ISOLATION PADS. THE PADS ARE TO BE WELDED IN PLACE WITH HORIZONTAL STEEL PLATES WELDED TO BRACKETS THAT ARE IN TURN WELDED TO THE RISER.
- 2) WHERE RISERS ARE SUPPORTED BY T-CLAMPS RATHER THAN ANCHORS, NON PADS ARE TO BE INCLUDED BELOW THE T-CLAMP.
- 3) ANY PIPE GUIDES USED IN CONNECTION WITH EXPANSION JOINTS OR LOOPS ARE TO BE THE PRE-FABRICATED TYPE WITH INTEGRAL RUBBER ISOLATION.

LEGEND MECHANICAL	
SYMBOL	DESCRIPTION
[Symbol]	SUPPLY AIR DIFFUSER
[Symbol]	SUPPLY AIR TROOPER
[Symbol]	LINEAR SUPPLY DIFFUSER
[Symbol]	THERMOSTAT
[Symbol]	FAN SWITCH
[Symbol]	RETURN AIR GRIFFLE
[Symbol]	EXHAUST AIR GRIFFLE
[Symbol]	SUPPLY DUCT UP
[Symbol]	RETURN DUCT UP
[Symbol]	RETURN DUCT DOWN
[Symbol]	EXHAUST DUCT UP
[Symbol]	EXHAUST DUCT DOWN
[Symbol]	FIRE DAMPER
[Symbol]	BALANCING DAMPER
[Symbol]	NOTORIZED DAMPER
[Symbol]	NOTORIZED FIRE DAMPER
[Symbol]	BACKDRAFT DAMPER
[Symbol]	OPPOSED BLADE VOLUME CONTROL DAMPER
[Symbol]	TURNING VALVE
[Symbol]	FLEXIBLE CONNECTION
[Symbol]	ACOUSTIC INSULATION
[Symbol]	TYPE OF EQUIPMENT
[Symbol]	TYPE OF DIFFUSER OR GRIFFLE
[Symbol]	GRIFFLE SIZE OR DIFFUSER NECK SIZE
[Symbol]	NAME/LOC. (C/U, L/S)
[Symbol]	STARTER (3 PHASE, 1 PHASE)
[Symbol]	FAN MOTOR / N/AUTE DRY OVERHEAT BUTION
[Symbol]	CO SENSOR
[Symbol]	GAZ LINE
[Symbol]	GAZ METER
[Symbol]	GAZ COCK
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	SANITARY ABOVE GRADE
[Symbol]	SANITARY BELOW GRADE
[Symbol]	STORM ABOVE GRADE
[Symbol]	STORM BELOW GRADE
[Symbol]	DOMESTIC COLD WATER
[Symbol]	DOMESTIC HOT WATER
[Symbol]	DOMESTIC HOT WATER RECIRCULATION
[Symbol]	SANITARY VENT
[Symbol]	WATER METER
[Symbol]	FLOOR DRAIN
[Symbol]	ROOF FLOOR DRAIN
[Symbol]	HUB DRAIN
[Symbol]	ROOF DRAIN
[Symbol]	SLAB DRAIN
[Symbol]	AREA DRAIN
[Symbol]	BLUAD / BLUVELE AREA DRAIN
[Symbol]	CATCH BASIN
[Symbol]	SANITARY TRAP
[Symbol]	ELBOW UP
[Symbol]	ELBOW DOWN
[Symbol]	WALL CLEANOUT
[Symbol]	FLOOR CLEANOUT
[Symbol]	HOSE BIBB
[Symbol]	NON-FREEZE HOSE BIBB
[Symbol]	GLOBE VALVE
[Symbol]	SAFETY VALVE
[Symbol]	BALL VALVE
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	CHECK VALVE
[Symbol]	BUTTERFLY VALVE
[Symbol]	COMPRESSED AIR OUTLET
[Symbol]	BACKFLOW PREVENTER
[Symbol]	CIRCULATING BALANCING VALVE
[Symbol]	MULTIPLE PIPES
[Symbol]	TEMPERATURE SENSOR
[Symbol]	THERMISTOR
[Symbol]	2-WAY MODULATING VALVE
[Symbol]	3-WAY MODULATING VALVE
[Symbol]	12"x12"x12" THERMOQUELL
[Symbol]	FLOOR ELEVATION ABOVE LEVEL
[Symbol]	HEADROOM (FLOOR TO US HEIGHT)

REVISED	4	SAVED FOR SITE INSPECTION 11/1	EP
REVISED	3	SAVED FOR TENDER	EP
REVISED	2	RE-DESIGN FOR PERMIT	EP
REVISED	1	DESIGN FOR PERMIT	EP
DATE	NO	DESCRIPTION	BY

MARK VED. ALL PRINTS DATED PREVIOUS TO FINAL DATE ABOVE

REVISIONS

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEERS BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS THE PROPERTY OF THE ENGINEERS AND IS NOT TO BE REPRODUCED OR COPIED IN ANY FORM.

DRAWINGS ARE NOT TO BE SCALED

NOVA TREND

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DRAWING TITLE: **SCHEMATICS**

PROJECT TITLE: **50 ALEXANDRA PARK BLOCK II**

355 CAMERON STREET TORONTO ONTARIO

DRAWN BY: G.S.	CHECKED BY: E.P.	SCALE: N.T.S.
DATE: FEB, 13	PROJECT NUMBER: 1313	DRAWING NUMBER: M-39

OF 43