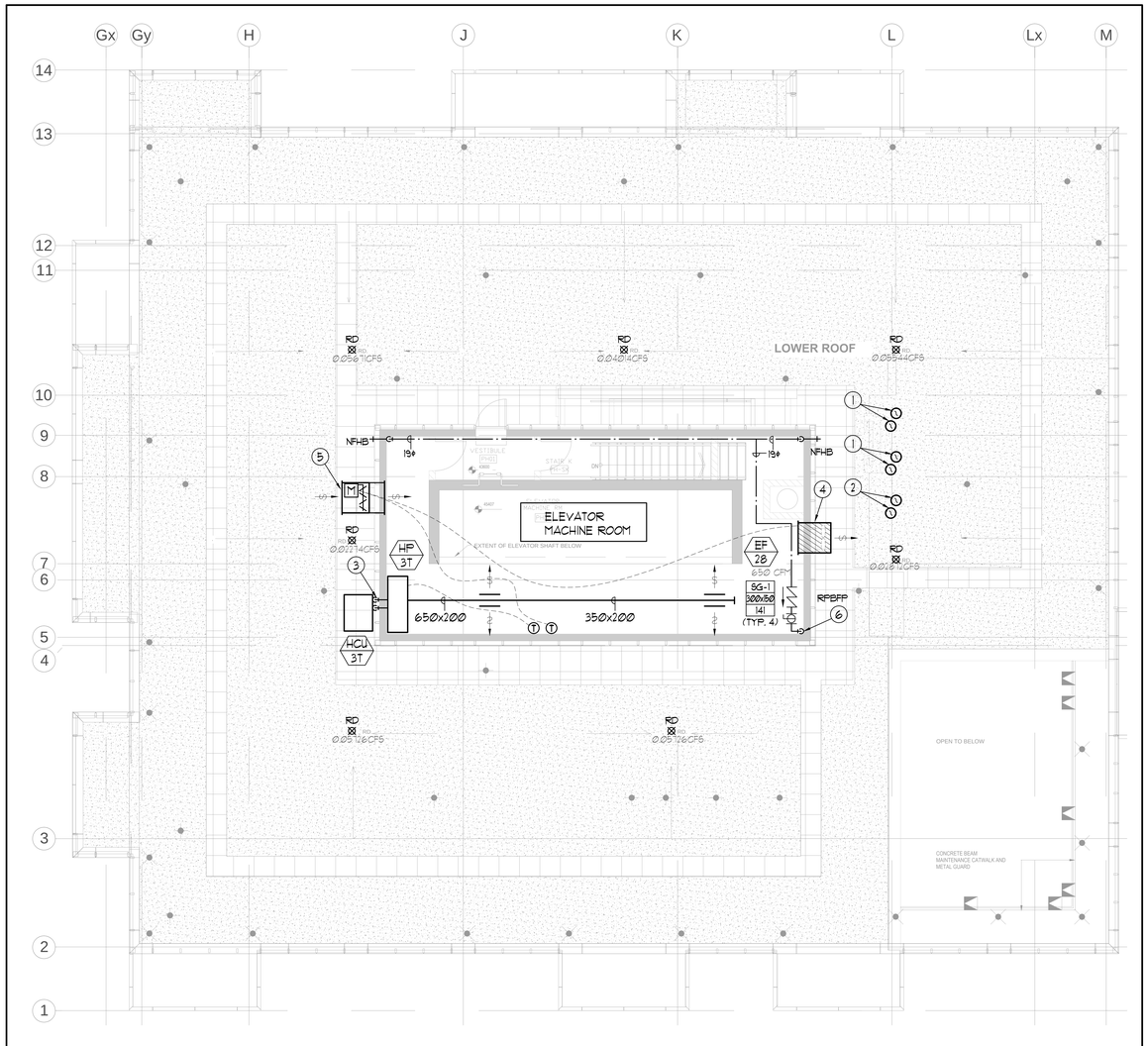
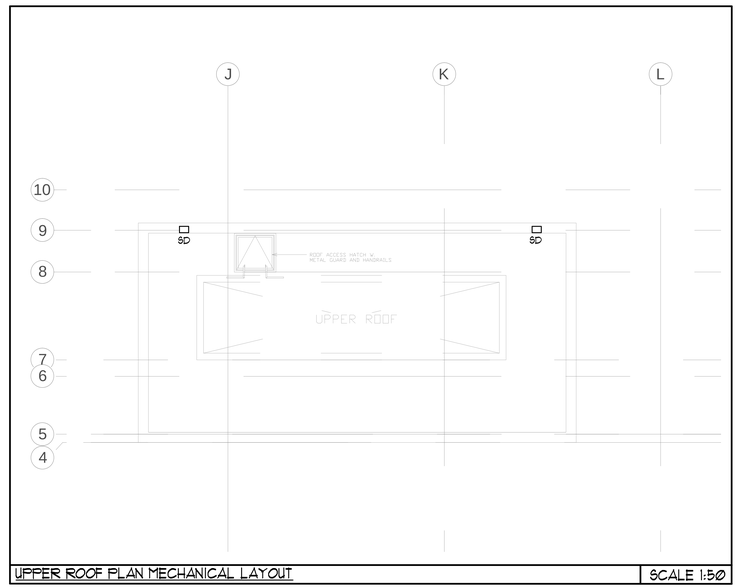


LOWER ROOF PLAN MECHANICAL LAYOUT — SCALE 1:50



UPPER ROOF PLAN MECHANICAL LAYOUT — SCALE 1:50

NOTES:

1. 250ø COMBUSTION AIR INTAKE AND 250ø EXHAUST FROM BOILERS B-1, 2 BELOW C/W TERMINATION FITTING, AS PER MANUFACTURER'S INSTALLATION MANUAL AND T65A REQUIREMENTS.
2. 300ø COMBUSTION AIR INTAKE AND 2225ø EXHAUST FROM BOILER B-3 BELOW C/W TERMINATION FITTING, AS PER MANUFACTURER'S INSTALLATION MANUAL AND T65A REQUIREMENTS.
3. REFRIGERANT PIPES TO/FROM RESPECTIVE CONDENSER UNIT BELOW (HCU-3T). REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PIPE SIZES.
4. EF-27 TO BE FLUSHED WITH INTERIOR WALL - FAN MOTOR TO BE T.E. (TOTALLY ENCLOSE) AND NEMA-3R DISCONNECT WHICH IS "RAIN TIGHT".
5. 800x400 WEATHERPROOF INTAKE LOUVRE C/W MOTORIZED DAMPER AND 800x400 SUPPLY GRILLE FLUSH WITH THE INTERIOR.
6. 19ø DCW FROM BELOW TO SERVE NFHB C/W ISOLATING VALVE AND REDUCED PRESSURE BFP. EXACT LOCATION TO BE DETERMINED ON SITE.

LEGEND MECHANICAL

SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER
	SUPPLY AIR TROFFER
	LINEAR SUPPLY DIFFUSER
T	THERMOSTAT
M	FAN SWITCH
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
	EXHAUST DUCT UP
	EXHAUST DUCT DOWN
FD	FIRE DAMPER
BD	BALANCING DAMPER
MD	MOTORIZED DAMPER
MFD	MOTORIZED FIRE DAMPER
BDD	BACKDRAFT DAMPER
OBD	OPPOSED BLADE VOLUME CONTROL DAMPER C/W LOCKING QUADRANT
	TURNING VANES
	FLEXIBLE CONNECTION
	ACOUSTIC INSULATION
	TYPE OF EQUIPMENT / EQUIPMENT IDENTIFICATION
	TYPE OF DIFFUSER OR GRILLE / GRILLE SIZE OR DIFFUSER NECK SIZE
	AIRFLOW (CFM OR L/S)
	STARTER (3 PHASE / PHASE)
S	IN-SUITE ERV MASTER SWITCH
S	FAN SWITCH / IN-SUITE ERV OVERRIDE BUTTON
CO	CO SENSOR
	GAS LINE
	GAS METER
	GAS COCK
PR	PRESSURE REDUCING VALVE
	SANITARY ABOVE GRADE
	SANITARY BELOW GRADE
	STORM ABOVE GRADE
	STORM BELOW GRADE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULATION
	SANITARY VENT
	WATER METER
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
HD	HUB DRAIN
RD	ROOF DRAIN
RLD	RLAB DRAIN
AD	AREA DRAIN
BLAD	BI-LEVEL AREA DRAIN
CB	CATCH BASIN
	SANITARY TRAP
	ELBOW UP
	ELBOW DOWN
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT
HB	HOSE BIBB
NFHB	NON-FREEZE HOSE BIBB
	GLOBE VALVE
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE
	CAP
	COMPRESSED AIR OUTLET
	BACKFLOW PREVENTER
	CIRCUIT BALANCING VALVE
	MULTIPLE PIPES / - DENOTES NO. OF PIPES
T	TEMPERATURE SENSOR
T	THERMOMETER
	2-WAY MODULATING VALVE
	3-WAY MODULATING VALVE
	10"x4"DO THERMOWELL C/W 1/2" BUSHING x 1/2" PLUG
	FLOOR ELEVATION ABOVE LEVEL
	FLOOR ELEVATION THIS LEVEL
	HEADROOM (FLOOR TO U/S HEIGHT)

DATE	NO.	DESCRIPTION	BY
2013/05	5	ISSUED FOR CITY COMMENTS	E.P.
2013/05	4	ISSUED FOR SITE INSTRUCTION #41	E.P.
2013/04	3	ISSUED FOR TENDER	E.P.
2013/01	2	RE-ISSUED FOR PERMIT	E.P.
2012/09	1	ISSUED FOR PERMIT	E.P.

MARK VOID 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 MUST BE RETURNED UPON COMPLETION OF THE WORK.

DRAWINGS ARE NOT TO BE SCALED

NOVA TREND ENGINEERING GROUP LTD.

175 West Beaver Creek Road, Unit 31
Richmond Hill, Ontario L4B 3M1
Tel: 905 882-5445
Fax: 905 882-5447

DRAWING TITLE:
ROOF PLAN
MECHANICAL LAYOUT

PROJECT TITLE:
SQ ALEXANDRA PARK
BLOCK 11
38 CAMERON STREET
TORONTO ONTARIO

DRAWN BY:	CHECKED BY:	SCALE:
G.S.	E.P.	1:50
DATE:	PROJECT NUMBER:	DRAWING NUMBER:
FEB. 13	1313	M-34 OF 43

Drawing name: \\CADD\DWG\Current Dwgs\1313\13-38-_MODOF PLAN1.dwg Plotted: 17 JUL 2015 - 7:15pm