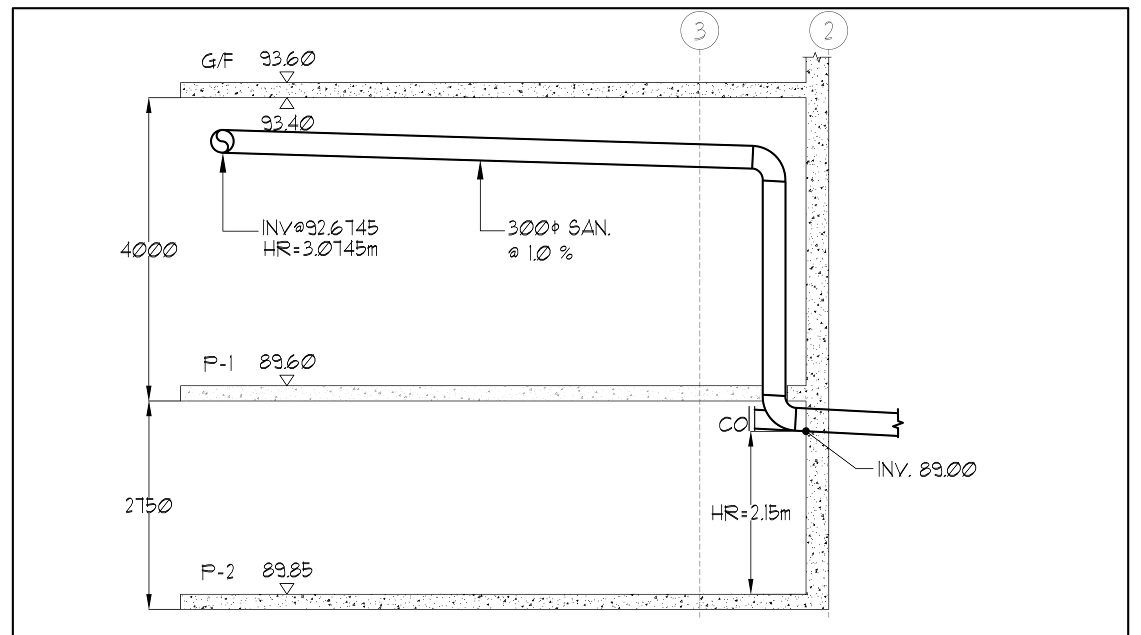
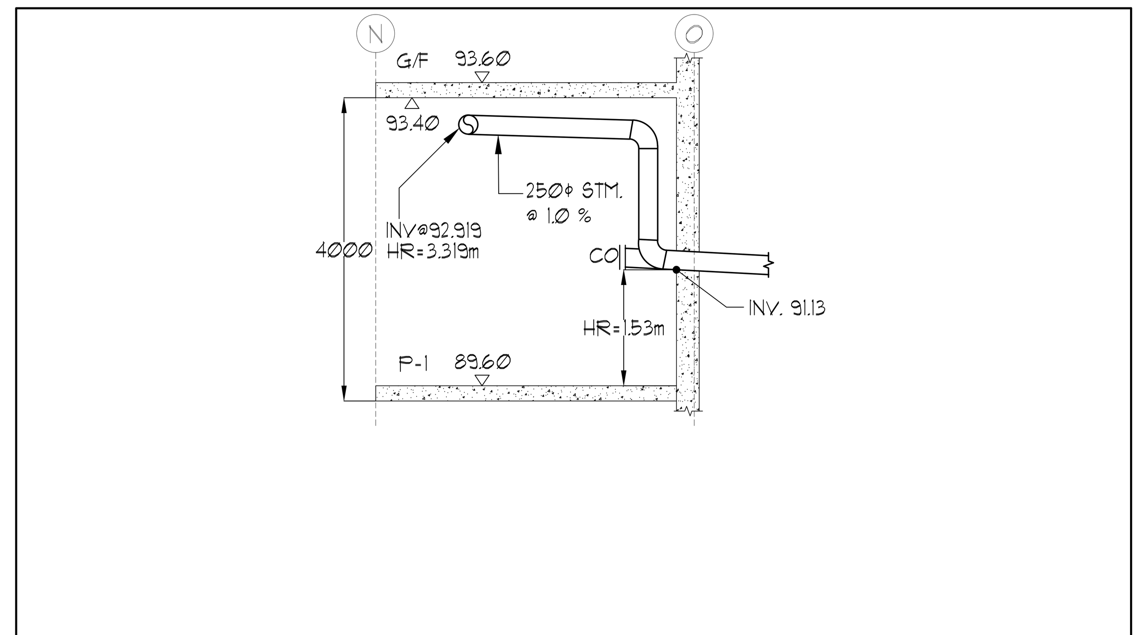
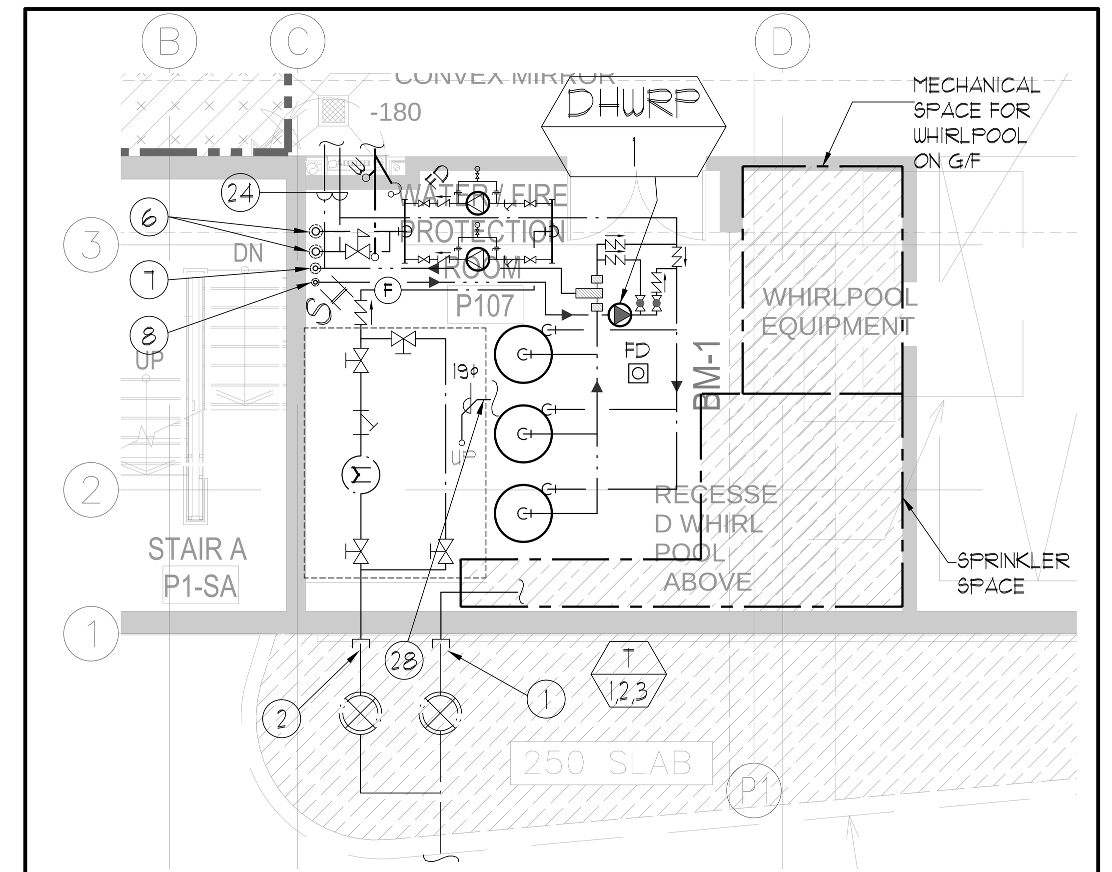


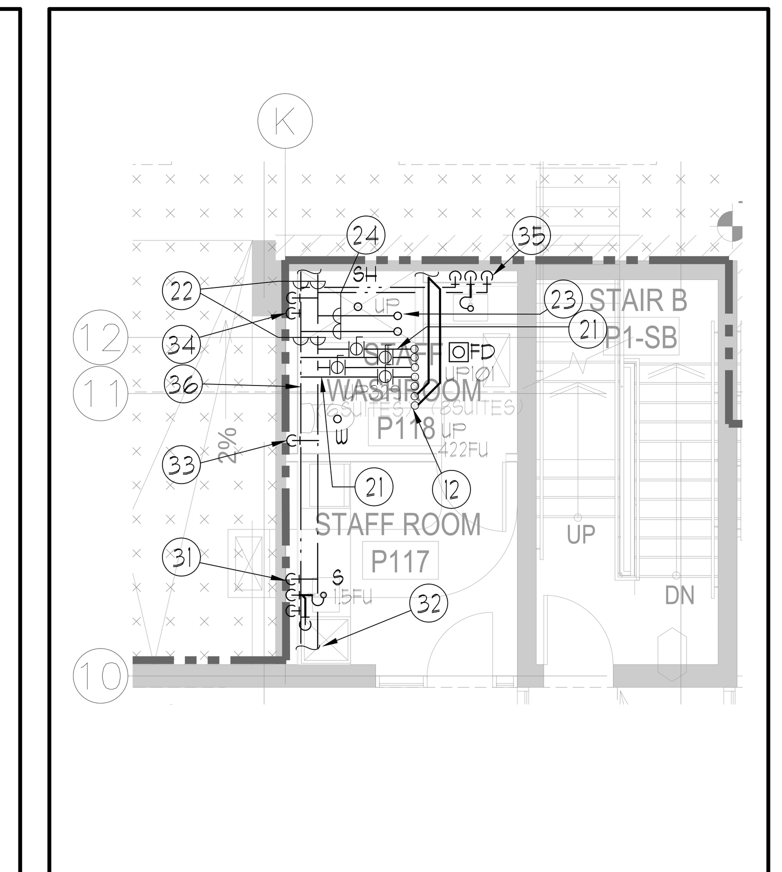
SANITARY PIPE DETAIL SECTION A-A | N.T.S.



STORM PIPE DETAIL SECTION B-B | N.T.S.



ENLARGED MECHANICAL ROOM LAYOUT | SCALE 1:50



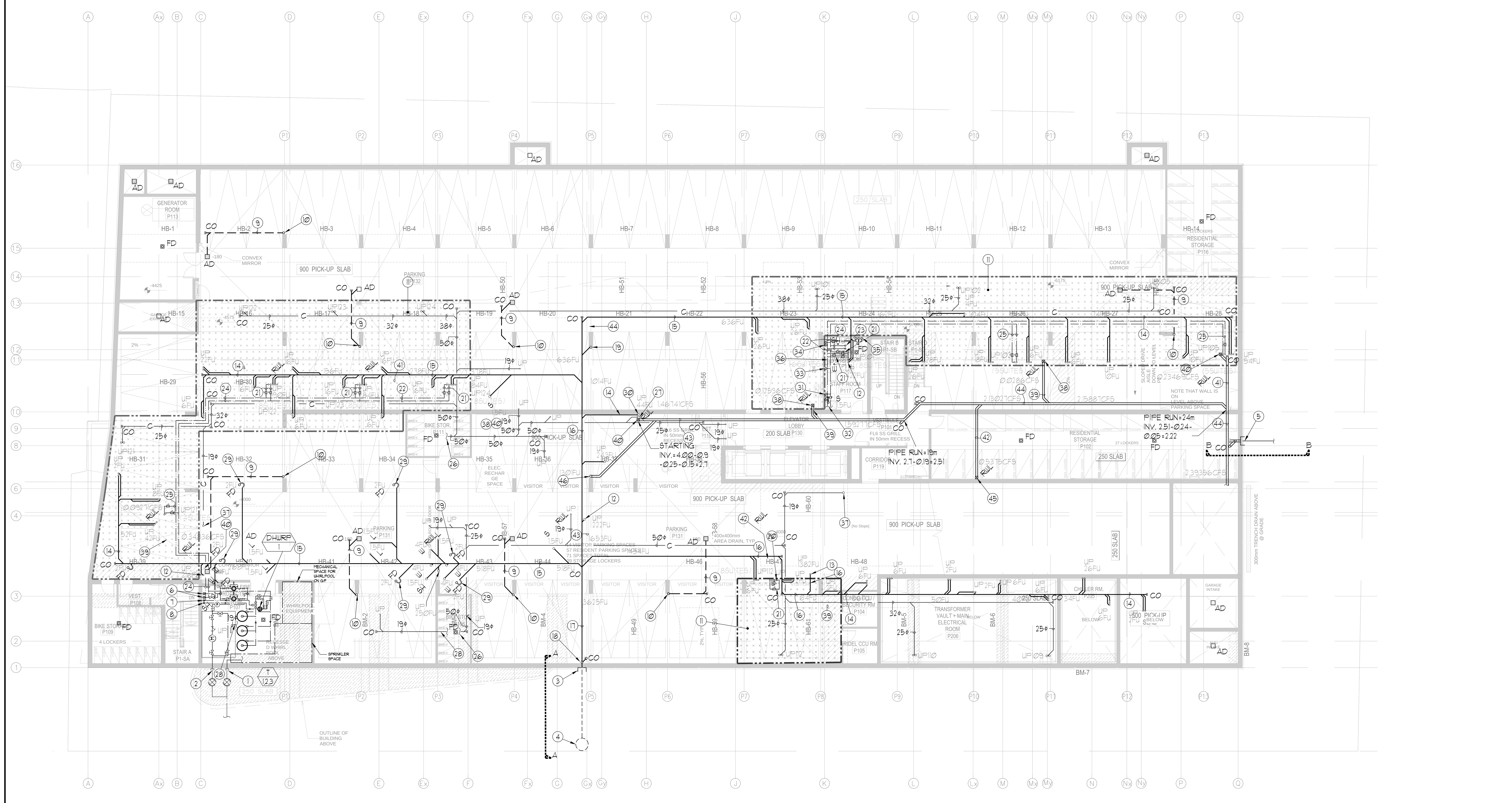
ENLARGED STAFF ROOM LAYOUT | SCALE 1:50

REFER TO DWG. M-3 FOR GENERAL AND ACOUSTIC NOTES

3800mm CLEAR
FLOOR TO UNDERSLAB

KEYNOTES:

1. 150φ FIRE LINE CONNECTION FROM SITE SERVICE. SEE SPRINKLER DRAWING FOR CONTINUATION.
2. 100φ DCW MAIN CONNECTION FROM SITE SERVICE.
3. 300φ SAN LEAVING PIPE @ 2% AT INV. 89.00.
4. 1200φ MANHOLE BY OTHERS.
5. 375φ STORM LEAVING PIPE @ 2% AT INV. 91.13
6. 100φ DCW (LZ) & 100φ DCW (HZ) UP TO G/F.
7. 75φ DHW (LZ) UP TO G/F.
8. 50φ DHWR (LZ) FROM ABOVE.
9. 100φ SAN @ 1% ON CEILING OF P-2.
10. 100φ SAN DOWN.
11. HEATED PLENUM BELOW TOWNHOUSES BY OTHERS.
12. 150φ SAN FROM ABOVE.
13. 200φ SAN FROM ABOVE.
14. 100φ SAN @ 1%.
15. 150φ SAN @ 1%.
16. 200φ SAN @ 1%.
17. 300φ SAN @ 1%.
18. 250φ SAN DOWN c/w CLEANOUT AT BASE AND CONNECT TO SITE SERVICE LEAVING SAN MAIN .(ON P-2)
19. 75φ SAN PUMPED FROM BELOW c/w HEAT TRACING. HEAT TRACING BY DIV. 16. INSULATION & JACKET BY THIS CONTRACTOR.
20. 50φ DCW & 38φ DHW FROM ABOVE.
21. 38φ DCW & 32φ DHW.
22. 50φ DCW & 38φ DHW
23. 63φ DCW & 50φ DHW FROM ABOVE.
24. 63φ DCW & 50φ DHW.
25. 32φ DCW & 25φ DHW
26. 50φ CONDENSATE PIPE CONNECT INDIRECTLY TO THE NEAREST WASTE.
27. 50φ CONDENSATE PIPE FROM ABOVE.
28. 19φ CONDENSATE PIPE CONNECT INDIRECTLY TO THE NEAREST WASTE.
29. DRAIN TRAP TO BE HEAT TRACED BY DIV. 16. THIS CONTRACTOR TO INSULATE & JACKET (TYPICAL).
30. 100φ SAN FROM ABOVE.
31. 13φ DCW & 13φ DHW DOWN TO SERVE (1) KITCHEN SINK.
32. 13φ DCW & 13φ DHW TO SERVE (1) DISHWASHER.
33. 13φ DCW DOWN TO SERVE (1) WATER CLOSET.
34. 13φ DCW & 13φ DHW DOWN TO SERVE (1) SHOWER.
35. 13φ DCW & 13φ DHW DOWN TO SERVE (1) LAVATORY.
36. 19φ DCW & 13φ DHW.
37. 19φ CONDENSATE PIPE FROM ABOVE.
38. 100φ RWL FROM ABOVE.
39. 100φ STM @1%.
40. 250φ RWL FROM ABOVE.
41. 150φ STM @1%.
42. 200φ STM @1%.
43. 250φ STM @1%.
44. 300φ STM @1%.
45. 200φ RWL FROM ABOVE.
46. 75φ STM PUMPED FROM BELOW c/w HEAT TRACING. HEAT TRACING BY DIV. 16. INSULATION & JACKET BY THIS CONTRACTOR.



LEGEND MECHANICAL

SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER
	SUPPLY AIR TROFFER
	LINEAR SUPPLY DIFFUSER
T	THERMOSTAT
S	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
M	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
XX / X	TYPE OF EQUIPMENT / EQUIPMENT IDENTIFICATION
XX-X / XXX / XXX	TYPE OF DIFFUSER OR GRILLE / GRILLE SIZE OR DIFFUSER NECK SIZE / AIRFLOW (CFM OR L/S)
	STARTER (3 PHASE , 1 PHASE)
S	IN-SUITE ERV MASTER SWITCH
S	FAN SWITCH / IN-SUITE ERV OVERRIDE BUTTON
CO	CO SENSOR
G	GAS LINE
G	GAS METER
	GAS COCK
	PRESSURE REDUCING VALVE
	SANITARY ABOVE GRADE
	SANITARY BELOW GRADE
	STORM ABOVE GRADE
S	STORM BELOW GRADE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULATION
V	SANITARY VENT
M	WATER METER
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
HD	HUB DRAIN
RD	ROOF DRAIN
SLD	SLAB DRAIN
AD	AREA DRAIN
BLAD	BI-LEVEL AREA DRAIN
CB	CATCH BASIN
	SANITARY TRAP
	ELBOW UP
	ELBOW DOWN
CO	WALL CLEANOUT
CO	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
	THERMOMETER
	2-WAY MODULATING VALVE
	3-WAY MODULATING VALVE
TW	1/2"x4"(D) THERMOWELL C/W 1/2" BUSHING & 1/2" PLUG
XXX / XXX / XXX	FLOOR ELEVATION ABOVE LEVEL / FLOOR ELEVATION THIS LEVEL / HEADROOM (FLOOR TO U/S HEIGHT)

DATE	NO.	DESCRIPTION	BY
08/-/14	3	RE-ISSUED FOR PERMIT	E.P.
07/10/14	2	RE-ISSUED FOR PERMIT	E.P.
05/30/14	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

07/10/14

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Fax: 905 882-5447

DRAWING TITLE:
P-1 FLOOR PLAN
P&D LAYOUT

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

DRAWN BY:	CHECKED BY:	SCALE:
G.S.	E.P.	1:100
DATE: FEB, 13	PROJECT NUMBER: 1313	DRAWING NUMBER: M-5 OF 43

Drawing name: \\CADSERVER\Current Dwg\13\1313 - Alexandra Park\DIV15\1313M- 5(P-1 PLAN - P&D LAYOUT).dwg Plotted: Sep 09, 2014 - 9:05am