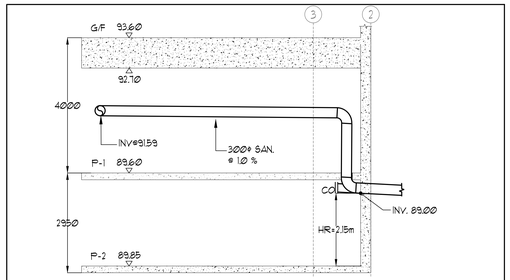
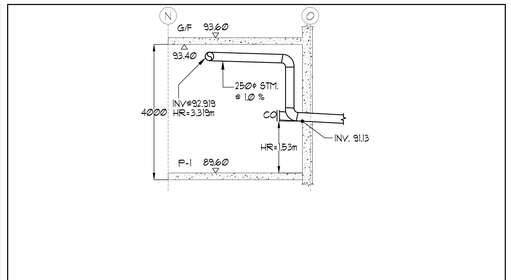
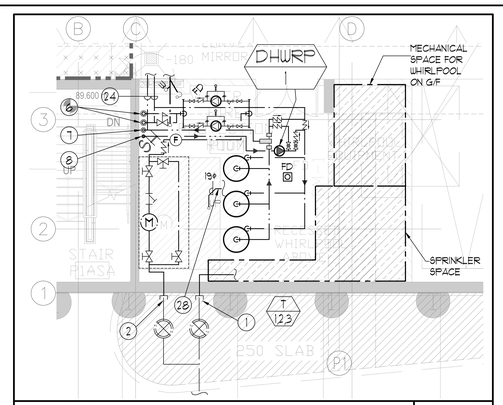


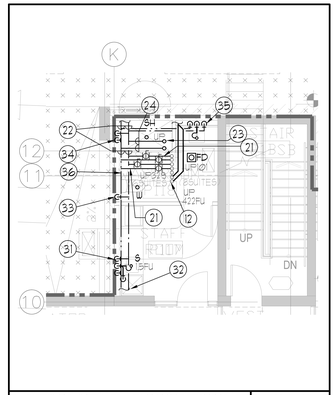
SANITARY PIPE DETAIL SECTION A-A | N.T.S.



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



ENLARGED MECHANICAL ROOM LAYOUT | SCALE 1:50



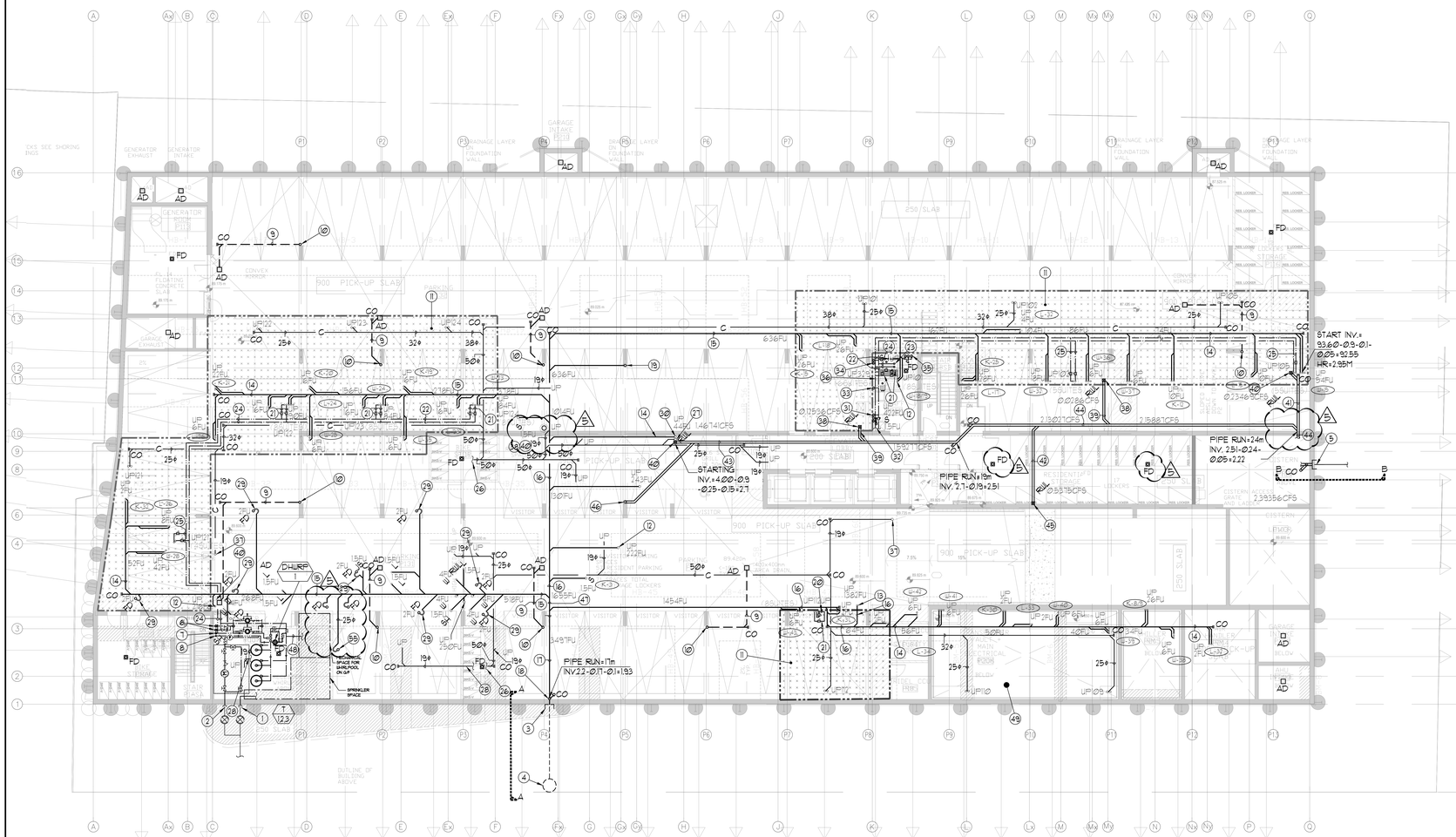
ENLARGED STAFF ROOM LAYOUT | SCALE 1:50

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

⚠ 3800mm CLEAR FLOOR TO UNDERSLAB

KEYNOTES:

1. 150ø FIRE LINE CONNECTION FROM SITE SERVICE. SEE SPRINKLER DRAWING FOR CONTINUATION.
2. 100ø DCW MAIN CONNECTION FROM SITE SERVICE.
3. 300ø SAN LEAVING PIPE @ 2% AT INV. 89.00.
4. 1200ø MANHOLE BY OTHERS.
5. 375ø STORM LEAVING PIPE @ 2% AT INV. 91.13
6. 100ø DCW (LZ) & 100ø DCW (HZ) UP TO G/F.
7. 75ø DHW (LZ) UP TO G/F.
8. 50ø DHWR (LZ) FROM ABOVE.
9. 100ø SAN @ 1% ON CEILING OF P-2.
10. 100ø SAN DOWN.
11. HEATED PLENUM BELOW TOWNHOUSES BY OTHERS.
12. 150ø SAN FROM ABOVE.
13. 200ø SAN FROM ABOVE.
14. 100ø SAN @ 1%.
15. 150ø SAN @ 1%.
16. 200ø SAN @ 1%.
17. 300ø SAN @ 1%.
18. 250ø SAN DOWN, c/w CLEANOUT AT BASE AND CONNECT TO SITE SERVICE LEAVING SAN MAIN(ON P-2)
19. 75ø SAN PUMPED FROM BELOW c/w HEAT TRACING. HEAT TRACING BY DIV. 16. INSULATION & JACKET BY THIS CONTRACTOR.
20. 50ø DCW & 38ø DHW FROM ABOVE.
21. 38ø DCW & 32ø DHW.
22. 50ø DCW & 38ø DHW
23. 63ø DCW & 50ø DHW FROM ABOVE.
24. 63ø DCW & 50ø DHW.
25. 32ø DCW & 25ø DHW
26. 50ø CONDENSATE PIPE CONNECT INDIRECTLY TO THE NEAREST WASTE.
27. 50ø CONDENSATE PIPE FROM ABOVE.
28. 19ø 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. 100ø SAN FROM ABOVE.
31. 13ø DCW & 13ø DHW DOWN TO SERVE (1) KITCHEN SINK.
32. 13ø DCW & 13ø DHW TO SERVE (1) DISHWASHER.
33. 13ø DCW DOWN TO SERVE (1) WATER CLOSET.
34. 13ø DCW & 13ø DHW DOWN TO SERVE (1) SHOWER.
35. 13ø DCW & 13ø DHW DOWN TO SERVE (1) LAVATORY.
36. 19ø DCW & 13ø DHW.
37. 19ø CONDENSATE PIPE FROM ABOVE.
38. 100ø RWL FROM ABOVE.
39. 100ø STM @1%.
40. 250ø RWL FROM ABOVE.
41. 150ø STM @1%.
42. 200ø STM @1%.
43. 250ø STM @1%.
44. 300ø STM @1%.
45. 200ø RWL FROM ABOVE.
46. 75ø STM PUMPED FROM BELOW c/w HEAT TRACING. HEAT TRACING BY DIV. 16. INSULATION & JACKET BY THIS CONTRACTOR.
47. 250ø SAN @ 1%.
48. 25ø DCW FOR WHIRLPOOL EQUIPMENT.
49. DOUBLE SLAB.
50. IRRIGATION PUMP BY IRRIGATION ENGINEER.
51. 38ø DCW MAKE -UP WATER LINE FOR IRRIGATION C/W REDUCE PRESSURE BACK FLOW PREVENTER. SEE IRRIGATION DRAWING FOR DETAILS.
52. 38ø IRRIGATION PIPE C/W SHUT OFF & DRAIN VALVE UP TO G/F CAPPED POINT FOR CONNECTION. SEE IRRIGATION DRAWING FOR DETAILS.
53. 38ø IRRIGATION PIPE.
54. 32ø IRRIGATION PIPE C/W SHUT OFF & DRAIN VALVE UP TO G/F CAPPED POINT FOR CONNECTION. SEE IRRIGATION DRAWING FOR DETAILS.
55. WHIRLPOOL DRAIN. EXACT LOCATION TO BE CONFIRMED BY WHIRLPOOL CONSULTANT.
56. 75ø PUMPED PIPE FROM BELOW c/w HEAT TRACING. HEAT TRACING BY DIV. 16. INSULATION AND 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
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)
SD	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
	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
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
T	THERMOMETER
2WV	2-WAY MODULATING VALVE
3WV	3-WAY MODULATING VALVE
T	12"x4"DI THERMOWELL C/W 1/2" BUSHING & 1/2" PLUG
XXX	FLOOR ELEVATION ABOVE LEVEL
XXX	FLOOR ELEVATION THIS LEVEL
XXX	HEADROOM (FLOOR TO U/S HEIGHT)

DATE	NO.	DESCRIPTION	BY
2013/11/15	5	ISSUED FOR SITE INSTRUCTION #1-3	E.P.
2013/11/5	4	ISSUED FOR SITE INSTRUCTION #1-1	E.P.
2013/3/4	3	ISSUED FOR TENDER	E.P.
2012/8/14	2	RE-ISSUED FOR PERMIT	E.P.
2012/8/14	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.

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Fax: 905 882-5447

DRAWING TITLE: P-1 FLOOR PLAN P4D 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:	PROJECT NUMBER:	DRAWING NUMBER:
FEB. 13	1313	M-5 OF 43

Drawing name: \\CADSERVER\Current Dwgs\1313\13-Alexandra Park\LAYOUTS\13-Alex - SQ-1 - PLAN - P4D LAYOUTS.dwg Printed: Apr 23, 2015 - 11:07am