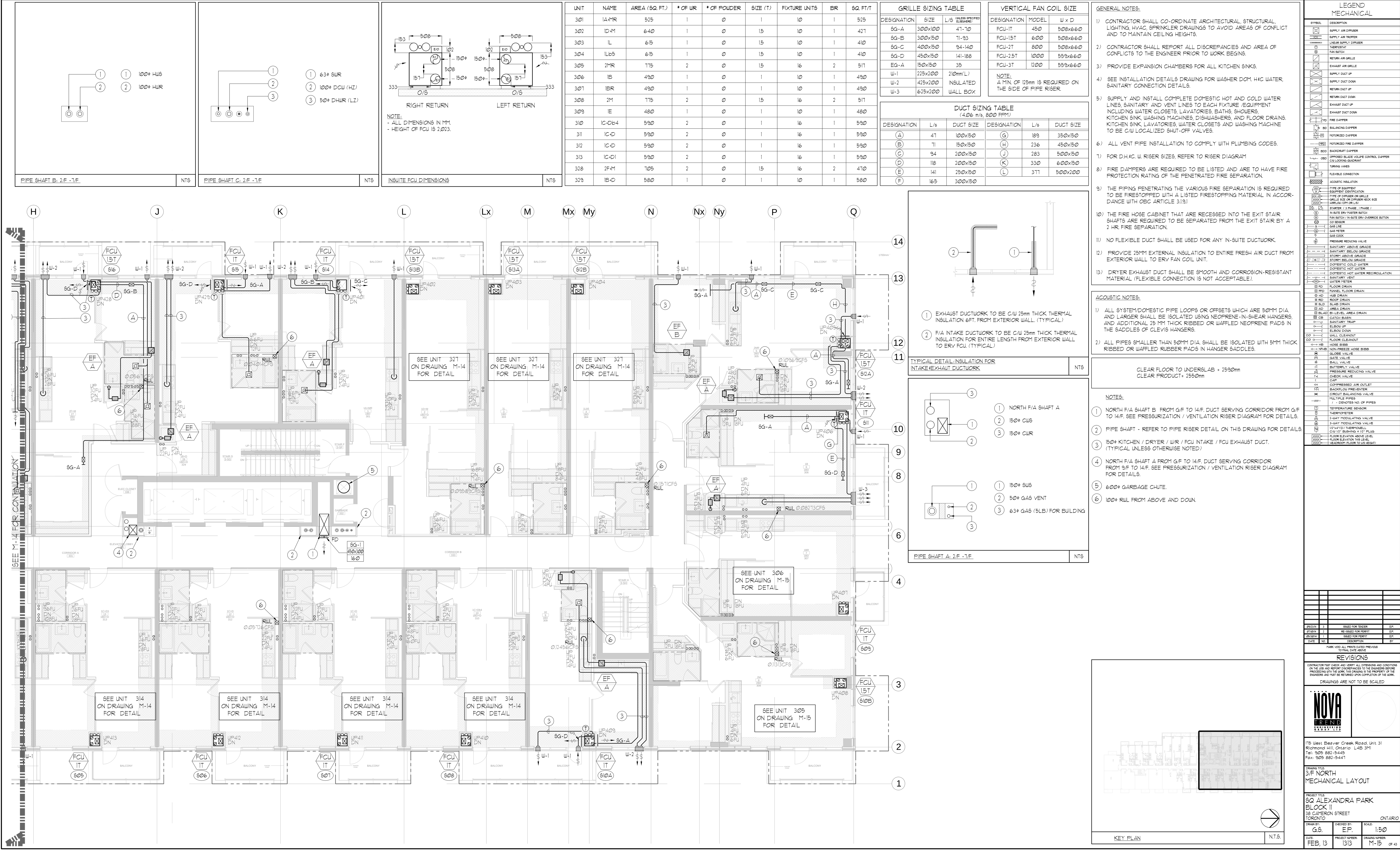




GENERAL NOTES:

1) CONTRACTOR SHALL CO-ORDINATE ARCHITECTURAL, STRUCTURAL, LIGHTING, HVAC, SPRINKLER DRAWINGS TO AVOID AREAS OF CONFLICT AND TO MAINTAIN CEILING HEIGHTS.

2) CONTRACTOR SHALL REPORT ALL DISCREPANCIES AND AREA OF CONFLICTS TO THE ENGINEER PRIOR TO WORK BEGINS.

3) PROVIDE EXPANSION CHAMBERS FOR ALL KITCHEN SINKS.

4) SEE INSTALLATION DETAILS DRAWING FOR WASHER D.O.M, H.C. WATER, SANITARY CONNECTION DETAILS.

5) SUPPLY AND INSTALL COMPLETE DOMESTIC HOT AND COLD WATER LINES, SANITARY AND VENT LINES TO EACH FIXTURE EQUIPMENT INCLUDING WATER CLOSERS, LAVATORIES, BATHS, SHOWERS, KITCHEN SINK, WASHING MACHINES, DISHWASHERS, AND FLOOR DRAINS, KITCHEN SINK, LAVATORIES, WATER CLOSETS AND WASHING MACHINE TO BE C/W LOCALIZED SHUT-OFF VALVES.

6) ALL VENT PIPE INSTALLATION TO COMPLY WITH PLUMBING CODES.

7) FOR D.H.C. W. RISER SIZES, REFER TO RISER DIAGRAM

8) FIRE DAMPERS ARE REQUIRED TO BE LISTED AND ARE TO HAVE FIRE PROTECTION RATING OF THE PENETRATED FIRE SEPARATION.

9) THE PIPING PENETRATING THE VARIOUS FIRE SEPARATION IS REQUIRED TO BE FIRESTOPPED WITH A LISTED FIRESTOPPING MATERIAL IN ACCORDANCE WITH CBC ARTICLE 3.13.1

10) THE FIRE HOSE CABINET THAT ARE RECESSED INTO THE EXIT STAIR SHAFTS ARE REQUIRED TO BE SEPARATED FROM THE EXIT STAIR BY A 2 HR FIRE SEPARATION.

11) NO FLEXIBLE DUCT SHALL BE USED FOR ANY IN-SUITE DUCTWORK.

12) PROVIDE 25MM EXTERNAL INSULATION TO ENTIRE FRESH AIR DUCT FROM EXTERIOR WALL TO ERV FAN COIL UNIT.

13) DRYER EXHAUST DUCT SHALL BE SMOOTH AND CORROSION-RESISTANT MATERIAL (FLEXIBLE CONNECTION IS NOT ACCEPTABLE).

ACOUSTIC NOTES:

1) ALL SYSTEM/DOMESTIC PIPE LOOPS OR OFFSETS WHICH ARE 50MM DIA. AND LARGER SHALL BE ISOLATED USING NEOPRENE-N-SHEAR HANGERS AND ADDITIONAL 25 MM THICK RIBBED OR WAFLED NEOPRENE PADS IN THE SADDLES OF CLEVIS HANGERS.

2) ALL PIPES SMALLER THAN 50MM DIA. SHALL BE ISOLATED WITH 5MM THICK RIBBED OR WAFLED RUBBER PADS IN HANGER SADDLES.

NOTES:

1) NORTH F/A SHAFT A FROM G/F TO 14/F. DUCT SERVING CORRIDOR FROM G/F TO 14/F. SEE PRESSURIZATION / VENTILATION RISER DIAGRAM FOR DETAILS.

2) PIPE SHAFT - REFER TO PIPE RISER DETAIL ON THIS DRAWING FOR DETAILS.

3) 150* KITCHEN / DRYER / W/R / FCU INTAKE / FCU EXHAUST DUCT. (TYPICAL UNLESS OTHERWISE NOTED)

4) NORTH F/A SHAFT A FROM G/F TO 14/F. DUCT SERVING CORRIDOR FROM 9/F TO 14/F. SEE PRESSURIZATION / VENTILATION RISER DIAGRAM FOR DETAILS.

5) 600* GARBAGE CHUTE.

6) 100* RUL FROM ABOVE AND DOWN.

LEGEND

MECHANICAL

SYMBOL

DESCRIPTION

1

SUPPLY AIR DIFFUSER

2

SUPPLY AIR TROOPER

3

LINEAR SUPPLY DIFFUSER

4

THERMOSTAT

5

FAN RISER

6

RETURN AIR GRILLE

7

EXHAUST AIR GRILLE

8

SUPPLY DUCT UP

9

SUPPLY DUCT DOWN

10

RETURN DUCT UP

11

EXHAUST DUCT UP

12

EXHAUST DUCT DOWN

13

FIRE DAMPER

14

BALANCING DAMPER

15

MOTORIZED DAMPER

16

MOTORIZED FIRE DAMPER

17

BACKDRAFT DAMPER

18

OPPOSED BLADE VOLUME CONTROL DAMPER (CALCULATING EQUIPMENT)

19

TUNING VANES

20

FLEXIBLE CONNECTION

21

ACOUSTIC INSULATION

22

TYPE OF EQUIPMENT

23

EQUIPMENT IDENTIFICATION

24

TYPE OF DIFFUSER OR GRILLE

25

GRILLE SIZE ON DIFFUSER (SEE SIZE LIST)

26

STARTER / 3 PHASE / PHASE

27

IN-SUITE ERV SYSTEM RATIO

28

STARTER / IN-SUITE ERV OVERRIDE BUTTON

29

CO SENSOR

30

GAS LINE

31

GAS METER

32

GAS STOP

33

PRESSURE REDUCING VALVE

34

SANITARY ABOVE GRADE

35

SANITARY BELOW GRADE

36

STORY ABOVE GRADE

37

STORY BELOW GRADE

38

DOMESTIC COLD WATER

39

DOMESTIC HOT WATER

40

DOMESTIC HOT WATER RECIRCULATION

41

SANITARY VENT

42

WATER PETER

43

FLOOR DRAIN

44

FLOOR DRAIN

45

ROOF DRAIN

46

SLAB DRAIN

47

JACUZZI DRAIN

48

BI-LEVEL AREA DRAIN

49

CATCH BASIN

50

SANITARY TRAP

51

ELBOW UP

52

ELBOW DOWN

53

WALL CLEANOUT

54

FLOOR CLEANOUT

55

HOSE BIBB

56

NON-FREEZE HOSE BIBB

57

GATE VALVE

58

BALL VALVE

59

BUTTERFLY VALVE

60

PRESSURE REDUCING VALVE

61

CHECK VALVE

62

CAP

63

COMPRESSED AIR OUTLET

64

BACKFLOW PREVENTER

65

CIRCUIT BALANCING VALVE

66

MULTIPLE PIPES

67

DENOTES NO. OF PIPES

68

TEMPERATURE SENSOR

69

THERMISTOR

70

2-WAY MODULATING VALVE

71

3-WAY MODULATING VALVE

72

C/W 1/2" BUSHING 4 1/2" PLUS

73

FLOOR ELEVATION ABOVE LEVEL

74

BASELINE ELEVATION THIS LEVEL

75

BASELINE FLOOR TO US LEVEL

KEY PLAN

N.T.S.

NOVA

ENGINEERING

1313-14-150P

175 West Beaver Creek Road Unit 31
Richmond Hill, Ontario L4B 3M1
Tel: 905.882.5445
Fax: 905.882.5441

DRAWING TITLE

3/F NORTH MECHANICAL LAYOUT

PROJECT TITLE

60 ALEXANDRA PARK BLOCK II

38 CAMERON STREET
TORONTO

DESIGNED BY

G.S.

CHECKED BY

E.P.

SCALE

1:50

DATE

FEB. 13

PROJECT NUMBER

1313

DRAWING NUMBER

M-15

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