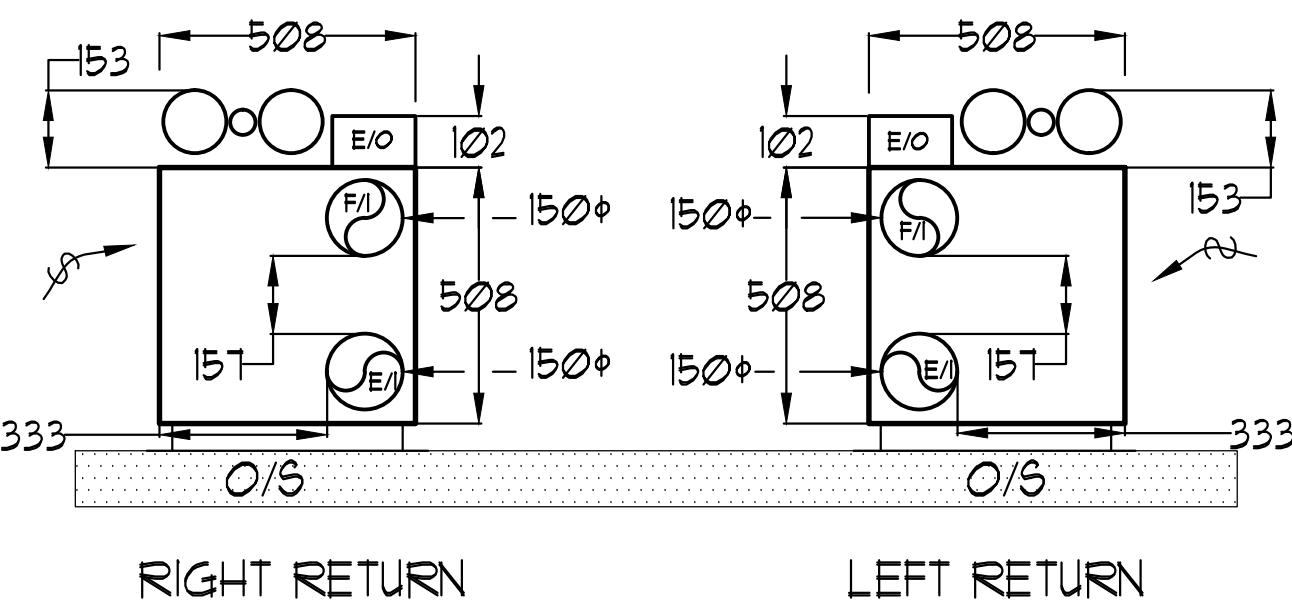




NOTE:
- ALL DIMENSIONS IN MM.
- HEIGHT OF FCU IS 2,023.

UNIT	NAME	AREA (SQ. FT.)	# OF WR	# OF POWDER	SIZE (T)	FIXTURE UNITS	BR	SQ. FT./T
601	1A-MR1	525	1	0	1	10	1	525
602	1E-D3	660	2	0	1	16	1	660
605	3DT	1270	3	0	2	22	2	635
608	3DTR	1260	3	0	2	22	2	630
610	1F-D3	660	2	0	1	16	1	660
611	1C-D1	530	2	0	1	16	1	530
612	1C-D1	530	2	0	1	16	1	530
613	1C-D1	530	2	0	1	16	1	530
628	2F-M	705	2	0	1.5	16	2	470
629	1B-D1	580	1	0	1	10	1	580

DESIGNATION	SIZE	L/S (GRILLE SPECIFIED ELSEWHERE)
SG-A	300x100	41-10
SG-B	300x150	71-93
SG-C	400x150	94-140
SG-D	450x150	141-188
EG-A	150x150	35
W-1	225x200	210mm(L)
W-2	425x200	INSULATED
W-3	625x200	WALL BOX

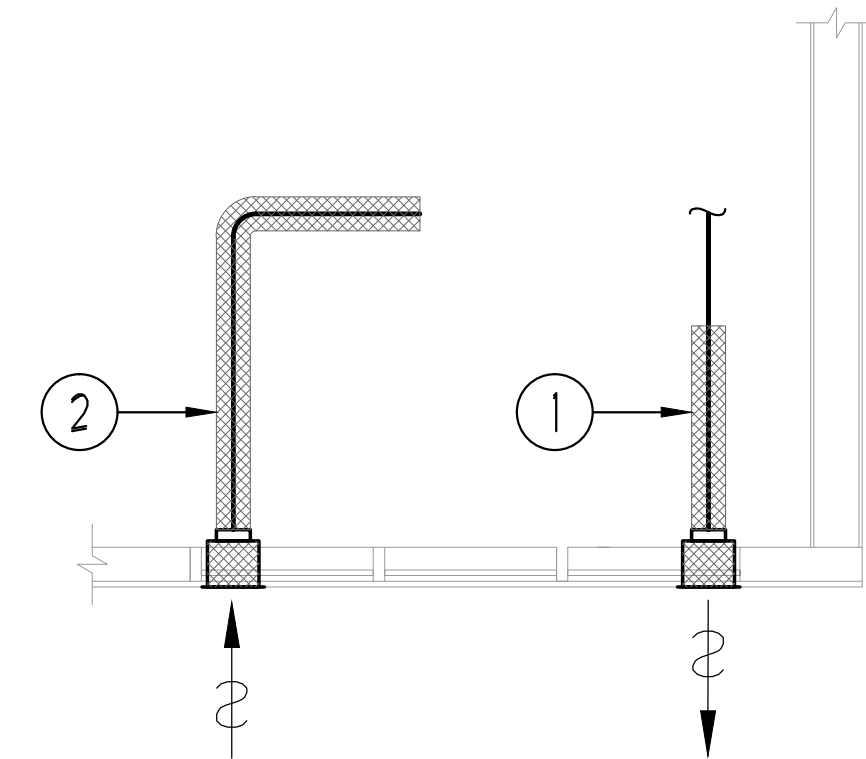
VERTICAL FAN COIL SIZE		
DESIGNATION	MODEL	W x D
FCU-1T	450	508x660
FCU-15T	600	508x660
FCU-2T	800	508x660
FCU-25T	1000	559x660
FCU-3T	1200	559x660

NOTE:
A MIN. OF 125mm IS REQUIRED ON
THE SIDE OF PIPE RISER

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 DOM. HAC WATER, SANITARY CONNECTION DETAILS.
- 5) SUPPLY AND INSTALL COMPLETE DOMESTIC HOT AND COLD WATER LINES, SANITARY AND VENT LINES TO FLUX FIXTURES, EQUIPMENT INCLUDING WATER CLOSING DEVICES, STORIES, BATHS, SHOWERS, KITCHEN SINK, WASHING MACHINES, DISWASHERS, 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 OBC 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 ERY FAN COIL UNIT.
- 13) DRYER EXHAUST DUCT SHALL BE SMOOTH AND CORROSION-RESISTANT MATERIAL (FLEXIBLE CONNECTION IS NOT ACCEPTABLE.)

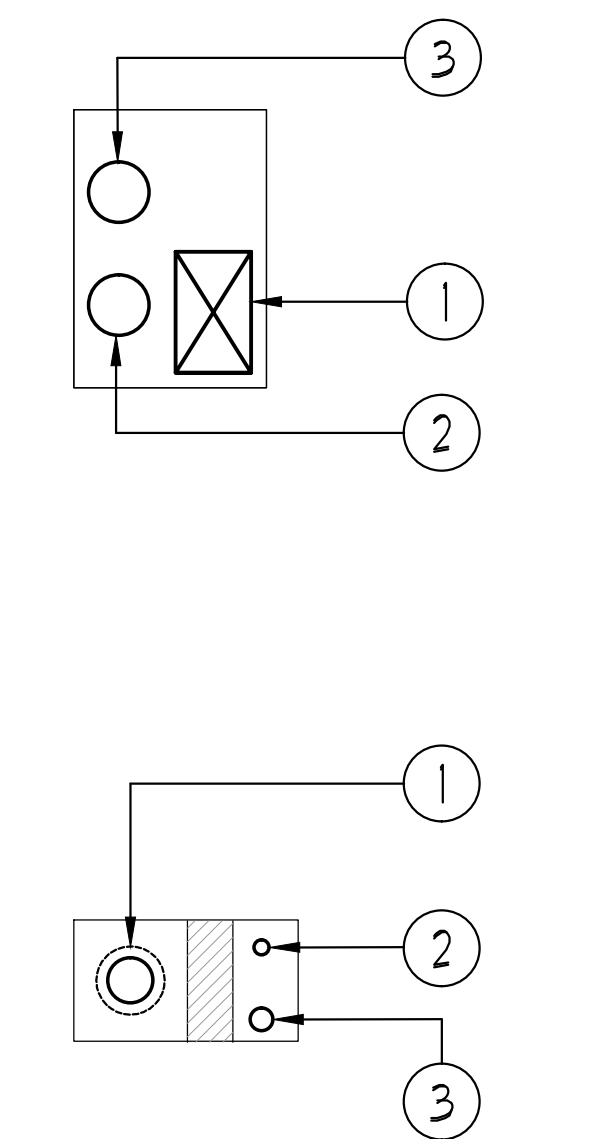
DUCT SIZING TABLE <i>(4.06 m/s, 800 FPM)</i>					
DESIGNATION	L/s	DUCT SIZE	DESIGNATION	L/s	DUCT SIZE
(A)	47	100x150	(G)	189	350x150
(B)	71	150x150	(H)	236	450x150
(C)	94	200x150	(J)	283	500x150
(D)	118	200x150	(K)	330	600x150
(E)	141	250x150	(L)	371	500x200
(F)	165	300x150			



- ① EXHAUST DUCTWORK TO BE C/W 25mm THICK THERMAL INSULATION 6FT. FROM EXTERIOR WALL. (TYPICAL)
- ② F/A INTAKE DUCTWORK TO BE C/W 25mm THICK THERMAL INSULATION FOR ENTIRE LENGTH FROM EXTERIOR WALL TO ERY FCU. (TYPICAL)

TYPICAL DETAIL: INSULATION FOR
INTAKE & EXHAUST DUCTWORK

NTS



PIPE SHAFT A: 2/F - 7/F

NTS

ACOUSTIC NOTES:

- 1) ALL SYSTEM/DOMESTIC PIPE LOOPS OR OFFSETS WHICH ARE 50MM D.I.A. AND LARGER SHALL BE ISOLATED USING NEOPRENE-IN-SHEAR HANGERS, AND ADDITIONAL 25 MM THICK RIBBED OR WAFFLED NEOPRENE PADS IN THE SADDLES OF CLEVIS HANGERS.
- 2) ALL PIPES SMALLER THAN 50MM D.I.A. SHALL BE ISOLATED WITH 5MM THICK RIBBED OR WAFFLED RUBBER PADS IN HANGER SADDLES.

CLEAR FLOOR TO UNDERSLAB = 2750mm
CLEAR PRODUCT= 2700mm
UNITS 605/608: DRAINS FROM TERRACE ON 7/F

NOTES:

- ① NORTH F/A SHAFT B 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 150ø 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 600ø GARBAGE CHUTE.
- ⑥ 19ø GAS PIPE c/w VALVE AND CAP FOR BBQ.
- ⑦ 13ø DOW FOR NHFB TO BE CONNECTED TO SUITE'S MAIN DOW LINE.
- ⑧ 100ø RULL FROM ABOVE AND DOWN.
- ⑨ 150ø RULL FROM ABOVE AND DOWN.
- ⑩ 100ø RULL FROM ABOVE.
- ⑪ 100ø STM ø1ø.
- ⑫ 100ø RULL DOWN.

[illegible]

02/07/19	4	DAMAGED FOR SITE INVESTIGATION PH-1		E.P.	
09/08/14	3	RASED FOR TENDER		E.P.	
01/06/14	2	RE-RASED FOR PERMIT		E.P.	
05/06/14	1	RASED FOR PERMIT		E.P.	
CATE	N/A	SUBSCRIPTION		P.V.	

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:
6/F NORTH
MECHANICAL LAYOUT

PROJECT TITLE:
SQ ALEXANDRA PARK
BLOCK II

38 CAMERON STREET		
TORONTO		
ONTARIO		
DRAWN BY:	CHECKED BY:	SCALE:

G.S.	E.P.	1:50
DATE: FEB 13	PROJECT NUMBER: 1313	DRAWING NUMBER: M-21 OF 43