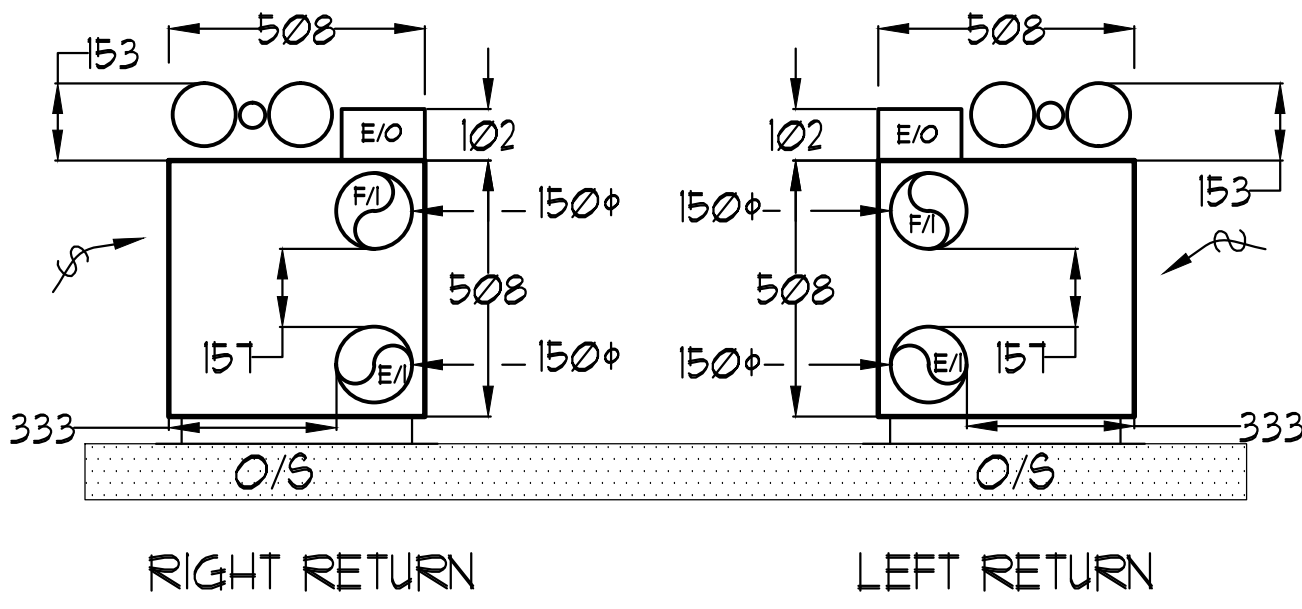




NOTE:

- 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./
501	1A+MR3	525	1	0	1	10	1	525
502	1D+M	640	1	0	15	10	1	421
503	1L6	580	1	0	15	10	1	381
504	1LB1	615	1	0	15	10	1	410
505	2+MR1	750	2	0	15	16	2	413
506	1B	490	1	0	1	10	1	490
507	1BR1	490	1	0	1	10	1	490
508	2M1	750	2	0	15	16	2	315
509	1E3	480	1	0	1	10	1	480
510	1C+DB	590	2	0	1	16	1	590
511	1C+D	590	2	0	1	16	1	590
512	1C+D	590	2	0	1	16	1	590
513	1C+D+3	590	2	0	1	16	1	590
520	2F+M5	705	2	0	15	16	2	410
529	1A+M	580	1	0	1	10	1	580

DESIGNATION	SIZE	L/S (MINIMUM SPECIFIED)
SG-A	300x100	41-70
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

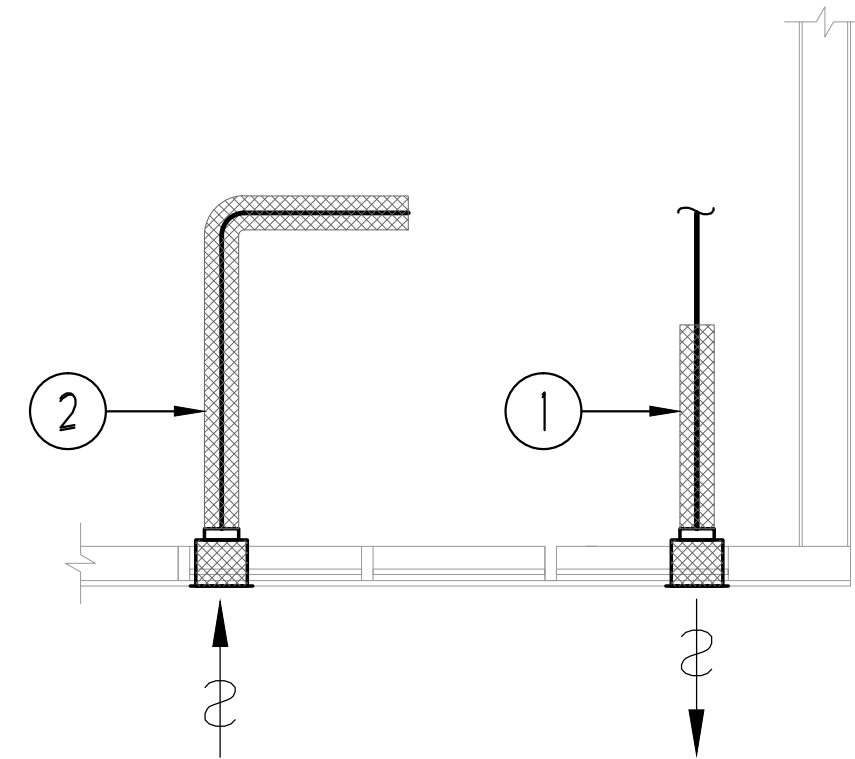
VERTICAL FAN COIL SIZE		
DESIGNATION	MODEL	W X D
FCU-1T	450	508x660
FCU-1S1	600	508x660
FCU-2T	800	508x660
FCU-2S1	1000	559x660
FCU-3T	1200	559x660

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

GENERAL NOTES:

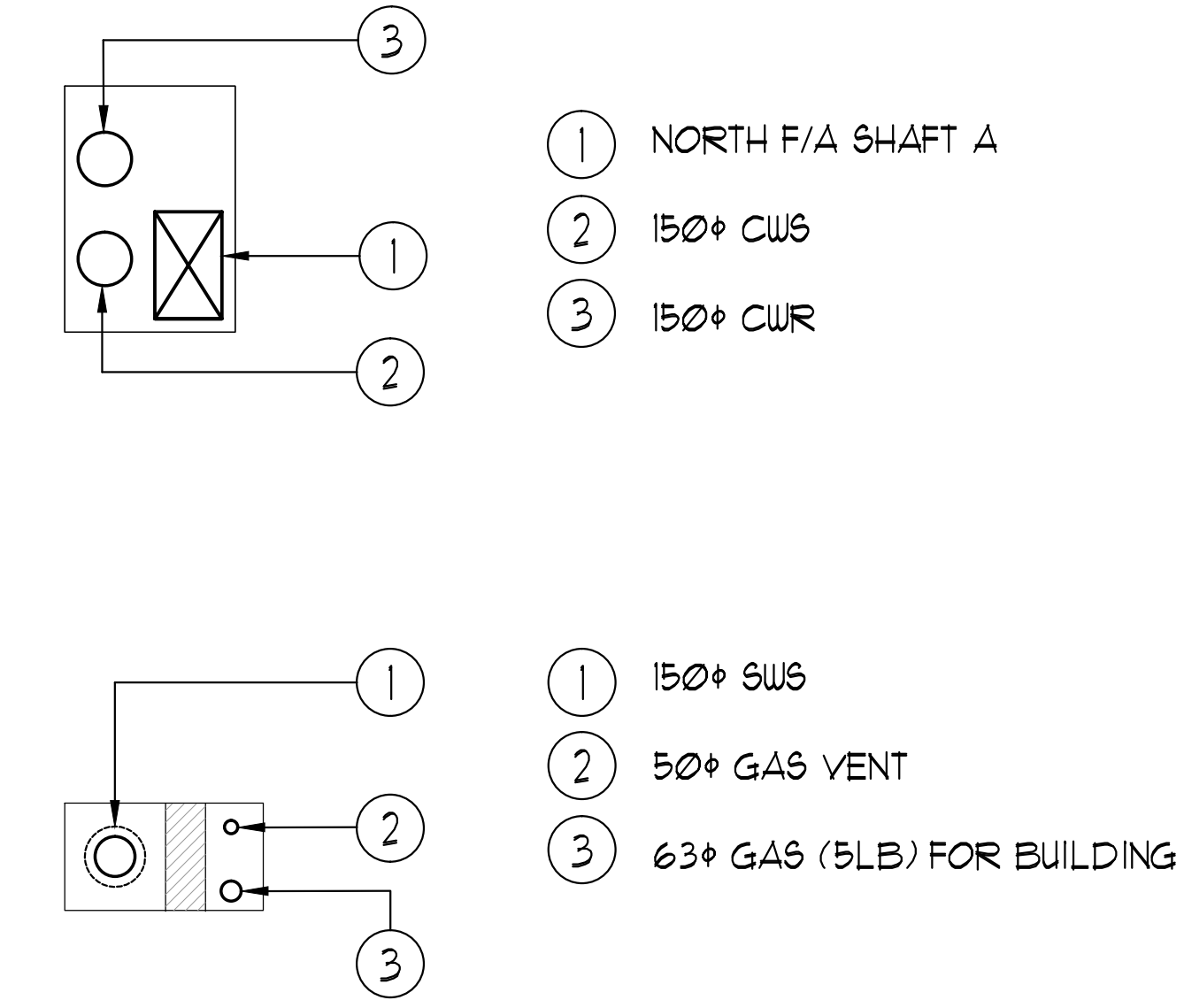
- 1) CONTRACTOR SHALL CO-ORDINATE ARCHITECTURAL, STRUCTURAL, LIGHTING, HVAC, SPRINKLER DRAWINGS TO AVOID AREAS OF CONFLICT AND TO MAINTAIN CEILING HEIGHTS.
- 2) CONTRACTOR SHALL REPORT ALL DISCREPANCIES AND AREA OF CONFLICTS TO THE ENGINEER PRIOR TO WORK BEGINS.
- 3) PROVIDE EXPANSION CHAMBERS FOR ALL KITCHEN SINKS.
- 4) SEE INSTALLATION DETAILS DRAWING FOR WASHER DOM. HVC WATER, SANITARY CONNECTION DETAILS.
- 5) SUPPLY AND INSTALL COMPLETE DOMESTIC HOT AND COLD WATER LINES, SANITARY AND VENT LINES TO EACH FIXTURE/ EQUIPMENT NOTED ON WATER CO. SCHEDULE. 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 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 ERV FAN COIL UNIT.
- 13) DRYER EXHAUST DUCT SHALL BE SMOOTH AND CORROSION-RESISTANT MATERIAL (FLEXIBLE CONNECTION IS NOT ACCEPTABLE).

DESIGNATION	L/s	DUCT SIZE	DESIGNATION	L/s	DUCT SIZE
(A)	41	100x150	(G)	183	350x150
(B)	71	150x150	(H)	236	450x150
(C)	94	200x150	(J)	283	500x150
(D)	118	200x150	(K)	330	600x150
(E)	141	250x150	(L)	377	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



PIPE SHAFT A: 2/F - 7/F

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 WAFFLED NEOPRENE PADS IN THE SADDLES OF CLEVIS HANGERS.
- 2) ALL PIPES SMALLER THAN 50MM DIA. SHALL BE ISOLATED WITH 5MM THICK RIBBED OR WAFFLED RUBBER PADS IN HANGER SADDLES.

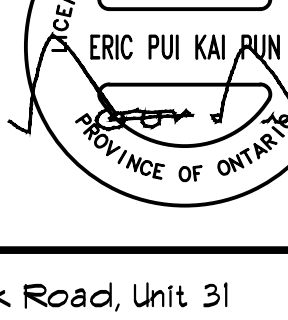
CLEAR FLOOR TO UNDERSLAB = 2850mm
 CLEAR PRODUCT = 2800mm
 EXCEPT UNIT: 503 CLEAR PRODUCT = 2550mm
 EXCEPT UNITS: 526/527 CLEAR PRODUCT = 26
 UNITS 519/521: DRAINS FROM TERRACE ON 6/F

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.
- 3 150* 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.
- 7 100* RUL. DOWN.
- 8 100* RUL. FROM ABOVE.
- 9 100* STM @1%.
- 10 150* RUL. FROM ABOVE.
- 11 150* RUL. DOWN.
- 12 150* STM @1%.

LEGEND MECHANICAL	
SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER
	AIR RETURN
	LINEAR SUPPLY DIFFUSER
	THERMOSTAT
	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
	FAN DAMPER
	BALANCING DAMPER
	MOTORIZED DAMPER
	NONMOTORIZED FREE DAMPER
	BACKDRAFT DAMPER
	OPENED BLADE VOLUME CONTROL DAMPER
	LOCKING QUADRANT
	CURVED VANE
	FLEXIBLE CONNECTION
	ACOUSTIC INSULATION
	TYPE OF EQUIPMENT IDENTIFICATION
	TYPE OF DIFFUSER ON GRILLE
	BLADE SIZE OR DIFFUSER NECK SIZE
	AIRFLOW (OR L/S)
	FLANGES (1/4 IN. / 16 MM)
	IN-BUILT FREE MASTER SWITCH
	FAN SWITCH (IN-BUILT FREE OVERRIDE MODE)
	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
	WATER WASTER WATER RECIRCULATION
	SANITARY VENT
	WATER DRAIN
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	HD (HOT DRAIN)
	RD (ROOFTOP DRAIN)
	SD (SUB DRAIN)
	BLAD (BELOW LEVEL AREA DRAIN)
	CATCH BASIN
	SANITARY TRAP
	ELBOW UP
	ELBOW DOWN
	WALL CLEANOUT
	FLOOR CLEANOUT
	HOSE BIBB
	NON-FREEZE HOSE BIBB
	GOPHER VALVE
	GATE VALVE
	BALL VALVE
	BUTTERNUT VALVE
	PRESSURE REDUCING VALVE
	CHECK VALVE
	COMPRESSED AIR OUTLET
	BACKFLOW PREVENTER
	MULTIPLE PIPES
	1/4 IN. / 16 MM (1/4 IN. / 16 MM)
	TEMPERATURE OF PIPES
	THERMOSTATS
	2-WAY MODULATING VALVE
	3-WAY MODULATING VALVE
	1/4 IN. / 16 MM (1/4 IN. / 16 MM)
	1/2 IN. / 16 MM (1/2 IN. / 16 MM)
	3/4 IN. / 16 MM (3/4 IN. / 16 MM)
	1 IN. / 16 MM (1 IN. / 16 MM)
	1 1/2 IN. / 16 MM (1 1/2 IN. / 16 MM)
	2 IN. / 16 MM (2 IN. / 16 MM)
	2 1/2 IN. / 16 MM (2 1/2 IN. / 16 MM)
	3 IN. / 16 MM (3 IN. / 16 MM)
	3 1/2 IN. / 16 MM (3 1/2 IN. / 16 MM)

[illegible]

MARK: VOID ALL PRINTS DATED PREVIOUS TO THIS 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 WILL BE RETURNED UPON COMPLETION OF THE WORK.			
DRAWINGS ARE NOT TO BE SCALED			
			
17B West Beaver Creek Road, Unit 31 Richmond Hill, Ontario L4B 3M1 Tel: 905-882-5448 Fax: 905-882-5441			
DRAWING TITLE: 5/6 NORTH MECHANICAL LAYOUT			
PROJECT FILE: SQ ALEXANDRA PARK BLOCK II 38 CAMERON STREET TORONTO			
ONTARIO			
DRAWN BY: G.S.	CHECKED BY: E.P.	SCALE: 1:50	
DATE: FEB. 13	PROJECT NUMBER: 1313	DRAWING NUMBER: M-19	OF 43