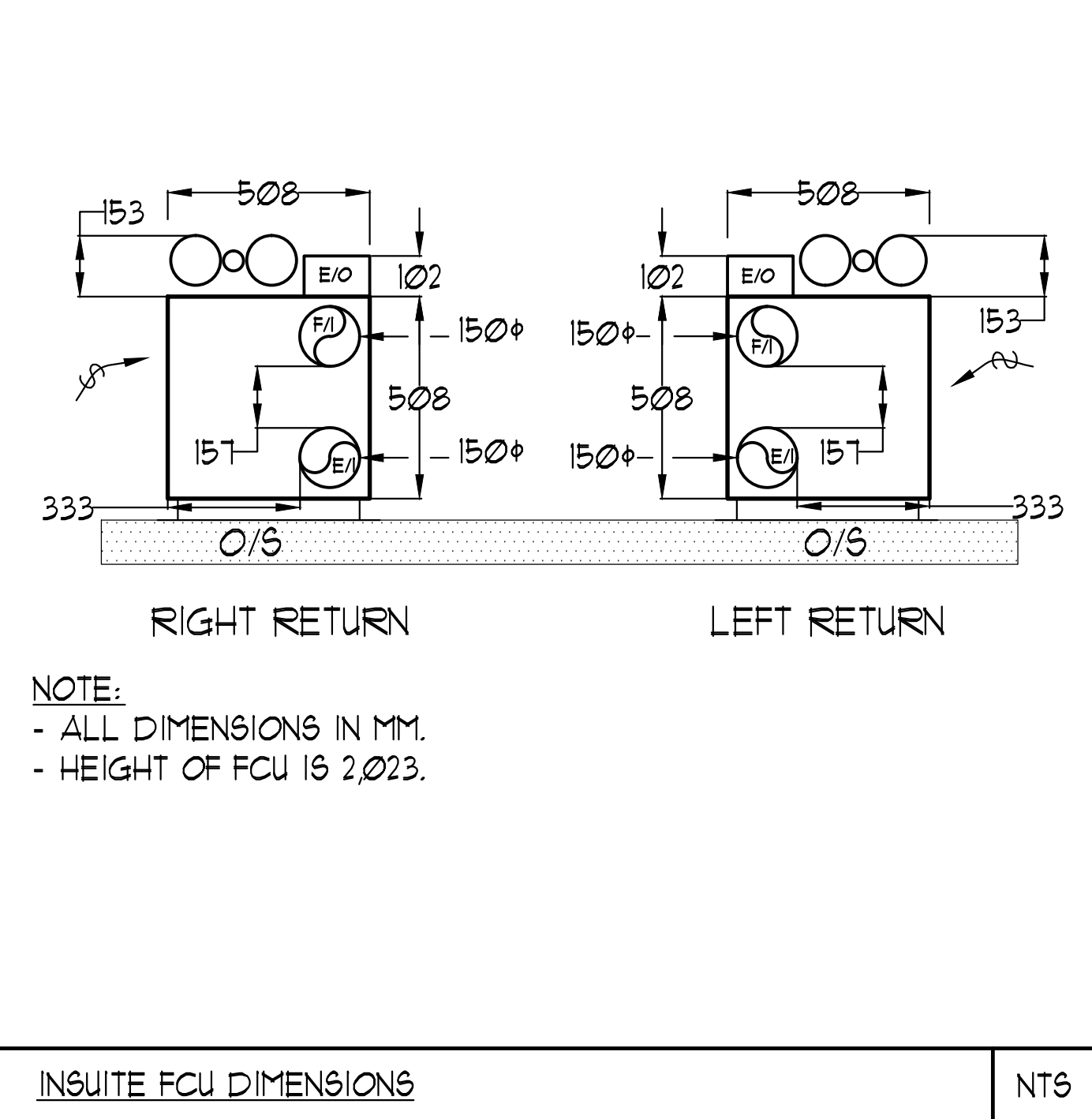
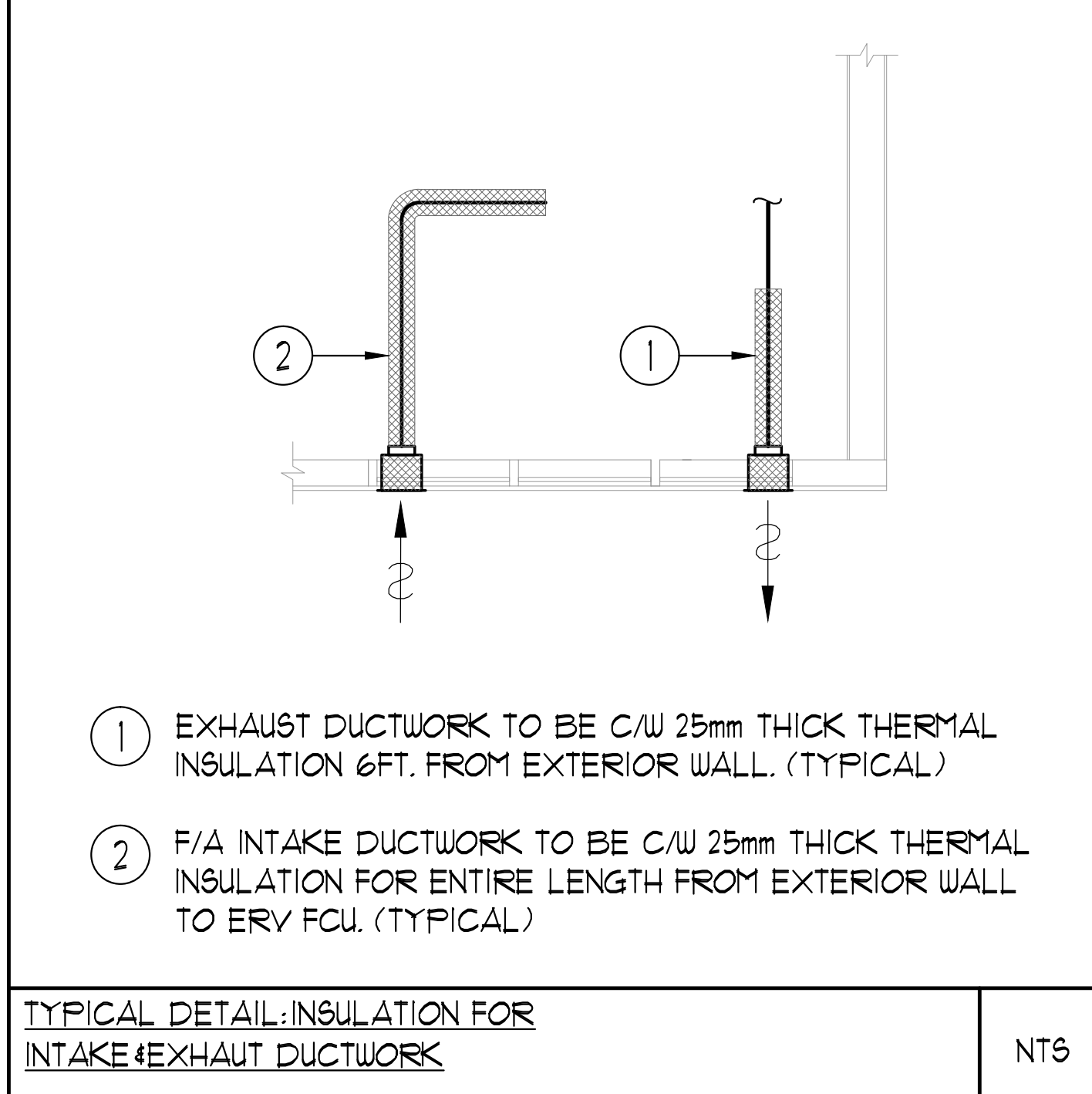




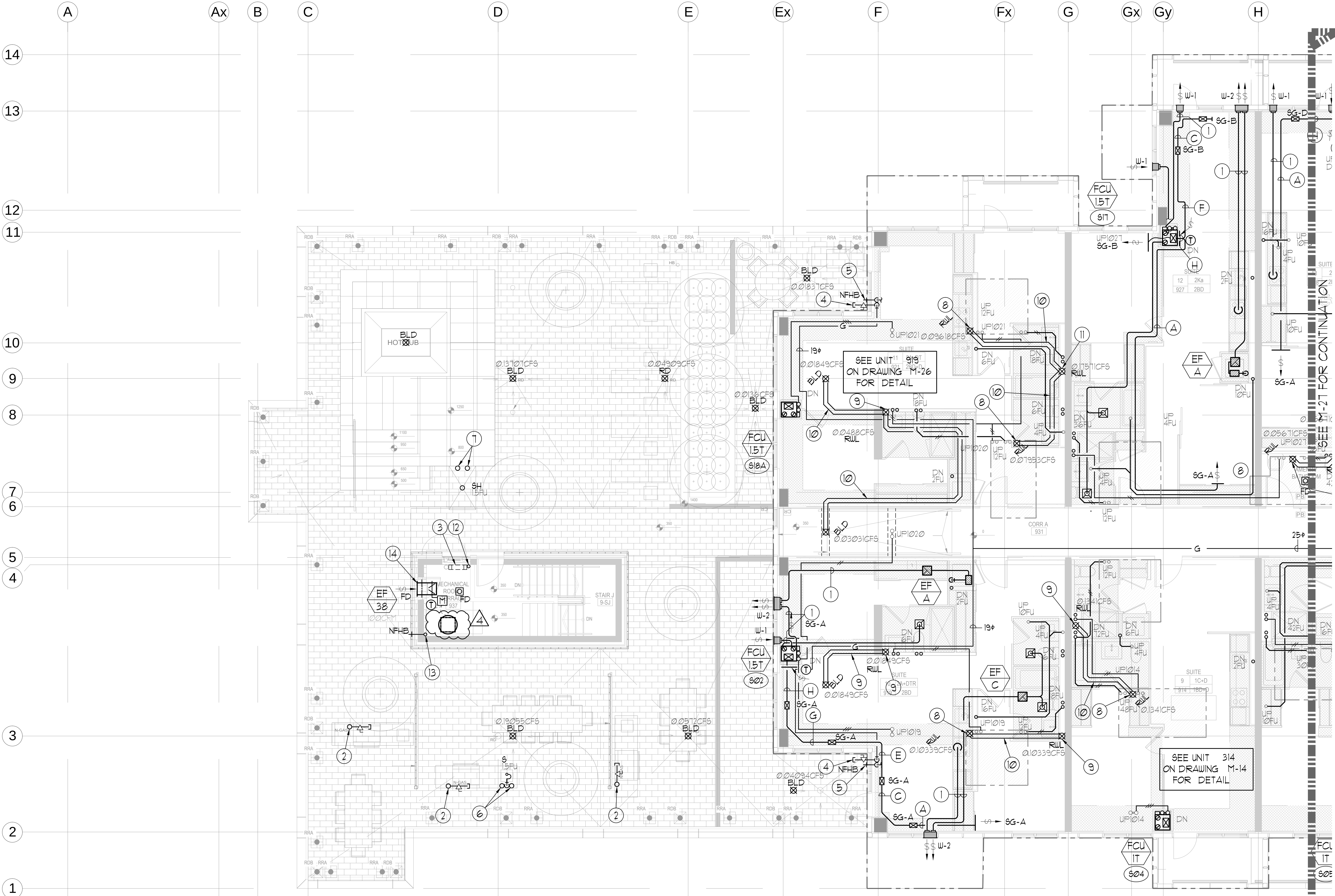
UNIT	NAME	AREA (SQ. FT.)	* OF UR	* OF POWDER	SIZE (T)	FIXTURE UNITS	BR	SQ. FT./T
914	1C-D	590	2	0	1	16	1	590
919	2A-DTR	855	2	1	15	22	2	510
921	2A-DT	855	2	1	15	22	2	510
927	2KA	180	2	0	15	16	2	520

GRILLE SIZING TABLE			VERTICAL FAN COIL SIZE		
DESIGNATION	SIZE	L/S (VALUES SPECIFIED ELEMENTS)	DESIGNATION	MODEL	W x D
SG-A	300x100	41-10	FCU-IT	450	500x660
SG-B	300x150	71-93	FCU-15T	600	500x660
SG-C	400x150	94-140	FCU-2T	800	500x660
SG-D	450x150	141-188	FCU-25T	1000	550x660
EG-A	150x150	35	FCU-3T	1200	550x660
W-1	225x200	210mm (L)	NOTE: A MIN. OF 125mm IS REQUIRED ON THE SIDE OF PIPE RISER.		
W-2	425x200	INSULATED			
W-3	625x200	WALL BOX			

DUCT SIZING TABLE					
(400 m/s, 800 FPM)			DESIGNATION	L/S	DUCT SIZE
(A)	41	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			

- GENERAL NOTES:
- CONTRACTOR SHALL CO-ORDINATE ARCHITECTURAL, STRUCTURAL, LIGHTING, HVAC, SPRINKLER DRAWINGS TO AVOID AREAS OF CONFLICT AND TO MAINTAIN CEILING HEIGHTS.
 - CONTRACTOR SHALL REPORT ALL DISCREPANCIES AND AREA OF CONFLICTS TO THE ENGINEER PRIOR TO WORK BEGINS.
 - PROVIDE EXPANSION CHAMBERS FOR ALL KITCHEN SINKS.
 - SEE INSTALLATION DETAILS DRAWING FOR WASHER DRYER, H4C WATER, SANITARY CONNECTION DETAILS.
 - SUPPLY AND INSTALL COMPLETE DOMESTIC HOT AND COLD WATER LINES, SANITARY AND VENT LINES TO EACH FIXTURE/EQUIPMENT INCLUDING WATER CLOSETS, 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.
 - ALL VENT PIPE INSTALLATION TO COMPLY WITH PLUMBING CODES.
 - FOR D.H4C W. RISER SIZES, REFER TO RISER DIAGRAM
 - FIRE DAMPERS ARE REQUIRED TO BE LISTED AND ARE TO HAVE FIRE PROTECTION RATING OF THE PENETRATED FIRE SEPARATION.
 - THE PIPING PENETRATING THE VARIOUS FIRE SEPARATION IS REQUIRED TO BE FIRESTOPPED WITH A LISTED FIRESTOPPING MATERIAL IN ACCORDANCE WITH CBC ARTICLE 313.1
 - 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.
 - NO FLEXIBLE DUCT SHALL BE USED FOR ANY IN-SUITE DUCTWORK.
 - PROVIDE 25MM EXTERNAL INSULATION TO ENTIRE FRESH AIR DUCT FROM EXTERIOR WALL TO ERV FAN COIL UNIT.
 - DRYER EXHAUST DUCT SHALL BE SMOOTH AND CORROSION-RESISTANT MATERIAL (FLEXIBLE CONNECTION IS NOT ACCEPTABLE).
- ACOUSTIC NOTES:
- ALL SYSTEM DOMESTIC PIPE LOOPS OR OFFSETS WHICH ARE 50MM DIA. 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.
 - ALL PIPES SMALLER THAN 50MM DIA. SHALL BE ISOLATED WITH 5MM THICK RIBBED OR WAFFLED RUBBER PADS IN HANGER SADDLES.
- CLEAR FLOOR TO UNDERSLAB = 280mm
ALL UNITS CLEAR PRODUCT = 2800mm
EXCEPT UNITS: 905/908 CLEAR PRODUCT = 2100mm
UNITS 905/908/913/921 DRAINS FROM TERRACE ON 10/F

LEGEND MECHANICAL	
SYMBOL	DESCRIPTION
[Symbol]	SUPPLY AIR DIFFUSER
[Symbol]	SUPPLY AIR TROOPER
[Symbol]	THRESHOLD SUPPLY DIFFUSER
[Symbol]	FAN SWITCH
[Symbol]	RETURN AIR GRILLE
[Symbol]	EXHAUST AIR GRILLE
[Symbol]	SUPPLY DUCT UP
[Symbol]	SUPPLY DUCT DOWN
[Symbol]	RETURN DUCT UP
[Symbol]	RETURN DUCT DOWN
[Symbol]	EXHAUST DUCT UP
[Symbol]	EXHAUST DUCT DOWN
[Symbol]	FIRE DAMPER
[Symbol]	BALANCING DAMPER
[Symbol]	MOTORIZED DAMPER
[Symbol]	MOTORIZED FIRE DAMPER
[Symbol]	BACKDRAFT DAMPER
[Symbol]	OPPOSED BLADE VOLUME CONTROL DAMPER
[Symbol]	TURNING VANE
[Symbol]	FLEXIBLE CONNECTION
[Symbol]	ACOUSTIC INSULATION
[Symbol]	TYPE OF EQUIPMENT
[Symbol]	TYPE OF DIFFUSER OR GRILLE
[Symbol]	VALVE SIZE OR DIFFUSER NECK SIZE
[Symbol]	HANGERS (C/F, U/L)
[Symbol]	STARTER / 3 PHASE / PHASE 1
[Symbol]	IN-SUITE DRY WASTER SWITCH
[Symbol]	FAN SWITCH / IN-SUITE DRY WASTER SWITCH
[Symbol]	CO SENSOR
[Symbol]	GAS LINE
[Symbol]	GAS PETER
[Symbol]	GAS COOK
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	SANITARY ABOVE GRADE
[Symbol]	SANITARY BELOW GRADE
[Symbol]	STORM ABOVE GRADE
[Symbol]	STORM BELOW GRADE
[Symbol]	DOMESTIC HOT WATER
[Symbol]	DOMESTIC HOT WATER
[Symbol]	DOMESTIC HOT WATER RECIRCULATION
[Symbol]	WATER PETER
[Symbol]	FLOOR DRAIN
[Symbol]	PAN/EL FLOOR DRAIN
[Symbol]	HUB DRAIN
[Symbol]	ROOF DRAIN
[Symbol]	BLVD DRAIN
[Symbol]	AREA DRAIN
[Symbol]	BLVD AREA DRAIN
[Symbol]	CATCH BASIN
[Symbol]	ELBOW UP
[Symbol]	ELBOW DOWN
[Symbol]	WALL CLEANOUT
[Symbol]	FLOOR CLEANOUT
[Symbol]	HOSE BIBB
[Symbol]	NON-FREEZE HOSE BIBB
[Symbol]	GATE VALVE
[Symbol]	SHR. VALVE
[Symbol]	BUTTERFLY VALVE
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	CHECK VALVE
[Symbol]	COP-PREMIUM AIR OUTLET
[Symbol]	BACKFLOW PREVENTER
[Symbol]	CIRCUIT BALANCING VALVE
[Symbol]	MULTIPLE PIPES
[Symbol]	TEMPERATURE SENSOR
[Symbol]	TEMPERATURE SENSOR
[Symbol]	2-WAY MODULATING VALVE
[Symbol]	3-WAY MODULATING VALVE
[Symbol]	1/2" x 1/2" THERMOQUELL
[Symbol]	C/W 12" BURNING 1.5" PHASE
[Symbol]	FLOOR ELEVATION ABOVE LEVEL
[Symbol]	FLOOR ELEVATION BELOW LEVEL
[Symbol]	HEADROOM (FLOOR TO US HEIGHT)



- NOTES:
- 150# KITCHEN / DRYER / W/R / FCU INTAKE / FCU EXHAUST DUCT. (TYPICAL UNLESS OTHERWISE NOTED)
 - 13# GAS PIPE C/W QUICK DISCONNECT.
 - 3KJ FTH BY DIV.16.
 - 13# GAS PIPE C/W VALVE AND CAP FOR BBQ.
 - 13# DCW FOR NFHB TO BE CONNECTED TO SUITE'S MAIN DCW LINE.
 - 13# DCW & DHW FROM BELOW TO SERVE (1) SINK.
 - 13# DCW & DHW FROM BELOW TO SERVE (1) SHOWER.
 - 100# RUL FROM ABOVE.
 - 100# RUL DOWN.
 - 100# 5T1 41%.
 - 150# RUL DOWN.
 - 25# DCW FROM BELOW TO SERVE POOL MECHANICAL ROOM.
 - 13# DCW FROM BELOW TO SERVE NFHB.
 - 400x200 INTAKE LOUVER C/W MOTORIZED DAMPER, FIRE DAMPER & WIRE MESH.

KEY PLAN

NTS.

NOVA TREND

175 West Beaver Creek Road, Unit 31
Richmond Hill, Ontario L4B 3M1
Tel: 905-882-5445
Fax: 905-882-5447

DRAWING TITLE:
9/F SOUTH MECHANICAL LAYOUT

PROJECT TITLE:
50 ALEXANDRA PARK
BLOCK II
35 CAMERON STREET
TORONTO

DRAWN BY: G.S. CHECKED BY: E.P. SCALE: 1:50

DATE: FEB, 13 PROJECT NUMBER: 1313 DRAWING NUMBER: M-26 OF 43