



DUCTWORK NOTES:

- ALL DUCT WORK TO BE MANUFACTURED TO S.A.N.S 1238/05 STANDARDS, WITH FLANGED JOINTS ON DUCTS EXCEEDING 600 SEM PERIMETER OR ONE SIDE EXCEEDS 750 AND S&O JOINTS ON SMALLER DUCTS.
- ALL A.C. DUCTING TO BE EXTERNALLY INSULATED WITH 25mm FOIL FACED FIBREGLASS INSULATION, UNLESS SPECIFIED OTHERWISE.
- ALL EXTRACT & VENTILATION DUCTING TO BE UNINSULATED.
- ALL FLEXIBLE DUCTING TO BE FIXED TO SPIGOTS WITH JUBILEE CLAMPS AND STRAPPED WITH DUCT TAPE.
- SPIGOTS TO BE EXTERNALLY INSULATED WITH 25 FOL FACED FIBREGLASS.
- ALL HANGERS AND BRACKETS TO BE GALVANISED.
- ALL DUCTWORK TO BE HUNG ON 30x50x1.6 G.S.M CHANNEL TRAPEZE HANGERS WITH 88 RODS.
- FLEXIBLE CONNECTIONS TO BE FITTED TO ALL DUCTING BETWEEN AIRHANDLING AND PACKAGE UNITS, FANS, ETC.
- REFRIGERANT PIPING TO RUN IN SUSPENDED CABLE BASKET.

SUPPLY AIR ONLY	DUCT WIDTH (W) IN MM	R1	R2	R3
	300 to 600	350	555	
	601 to 900	300	250	550
	901 to 1200	250	450	950
	1201 to 2400	300	550	950

DUCT SPLITTERS

Second Floor Plan
Scale 1:75

Code	Type	Purpose	Make	Model	Size	Count	Notes
WL-01	Weather Louvre	Weather Louvre	Trox	AWK	670x650	8	c/w bird screen
WL-02	Weather Louvre	Weather Louvre	Trox	AWK	600x250	4	
EG-01	Single Deflection Grille	Extract Grille	Trox	AT-AG	150x150	22	SD+OBD
EG-02	Single Deflection Grille	Extract Grille	Trox	AT-AG	230x230	1	SD+OBD
EG-03	Single Deflection Grille	Extract Grille	Trox	AT-AG	150x150	29	SD+OBD
EAG-01	Single Deflection Grille	Exhaust Grille	Trox	AT-AG	500x300	13	SD+OBD
EAG-02	Single Deflection Grille	Exhaust Grille	Trox	AT-AG	600x300	4	SD+OBD
FAG-01	Fresh Air Diffuser	Fresh Air Diffuser	Trox	AT-AG	350x350	1	c/w Plenum Box & 300 Diameter Spigot
DG-01	Door Grille	Door grille	Trox	AG-ST	400x400	12	As Per Architects Requirement
BD-08	Opposed Blade	Manual Damper	Trox	JS-B	250x350	1	c/w Position indicator, locking Quadrant
BD-09	Opposed Blade	Manual Damper	Trox	JS-B	250x150	4	c/w Position indicator, locking Quadrant
BD-10	Opposed Blade	Manual Damper	Trox	JS-B	300x300	1	c/w Position indicator, locking Quadrant
BD-11	Opposed Blade	Manual Damper	Trox	JS-B	250x250	3	c/w Position indicator, locking Quadrant
BD-12	Opposed Blade	Manual Damper	Trox	JS-B	250x200	1	c/w Position indicator, locking Quadrant
BD-13	Opposed Blade	Manual Damper	Trox	JS-B	300x250	1	c/w Position indicator, locking Quadrant
FD-08	Fire Damper	Fire Damper	Trox	FD	250x350	1	Electro/Mechanical, Motorised, Fire Signal & Power by Others
FD-09	Fire Damper	Fire Damper	Trox	FD	300x350	1	Electro/Mechanical, Motorised, Fire Signal & Power by Others
FD-10	Fire Damper	Fire Damper	Trox	FD	300x300	1	Electro/Mechanical, Motorised, Fire Signal & Power by Others
FD-11	Fire Damper	Fire Damper	Trox	FD	400x300	1	Electro/Mechanical, Motorised, Fire Signal & Power by Others
FD-12	Fire Damper	Fire Damper	Trox	FD	250x300	2	Electro/Mechanical, Motorised, Fire Signal & Power by Others
FD-13	Fire Damper	Fire Damper	Trox	FD	600x250x350 Long	4	Electro/Mechanical, Motorised, Fire Signal & Power by Others
FD-14	Fire Damper	Fire Damper	Trox	FD	150x150	2	Electro/Mechanical, Motorised, Fire Signal & Power by Others
FD-15	Fire Damper	Fire Damper	Trox	FD	230x230	1	Electro/Mechanical, Motorised, Fire Signal & Power by Others

Code	Type	Purpose	Make	Model	Diameter/Size	Air Quantity (l/s)	Static Pressure (Pa)	Total Pressure (Pa)	Power (W)	Peak Power (kW)	Motor (kW)	Current (A)	Count	Notes
FAF-07	Window/Wall	Fresh Air	Luft	Vitro 6'150AH	150	60	-	-	220-240/50'1	-	-	5.00	1	
EAF-09	Axial	Extract	Luft	LCA500/43	500	1634	165.00	-	380-400/50'3	-	0.95	5.00	2	c/w 2-Off Sound Attenuators
EAF-10	Axial	Extract	Luft	LCA500/43	500	2200	168.00	-	380-400/50'3	-	1.100	5.00	2	c/w 2-Off Sound Attenuators

Code	Type	Make	Indoor Model	Area Served	Cooling (kW)	Count	Power	Outdoor Model
ACU-24	Cassette	Daikin	FCQ125D	2nd Floor Canteen	12.0	1	220-240/50'1	RZGS125L9V1
ACU-25	Cassette	Daikin	FCQ125D	2nd Floor Canteen	12.0	1	220-240/50'1	RZGS125L9V1
ACU-26	Cassette	Daikin	FCQG35F	Scm Office 3	4.00	1		RZGS35

