

GENERAL NOTES:

1. ALL SERVICES/ROUTES THROUGHOUT BUILDING TO BE FULLY CO-ORDINATED ON SITE.
2. DRAWING TO BE READ IN CONJUNCTION WITH MECHANICAL INSTALLATION SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
3. DUCTWORK MATERIAL & INSTALLATION TO DW/144 CLASS 'A'. EXTERNAL DUCTWORK INSULATION SHALL BE AS ELSEWHERE FINISHED WITH POLYISOBUTYLENE SHEETING
4. FINAL DESIGN SHOP DRAWING AND DETAIL CO-ORDINATION DRAWINGS TO BE SUBMITTED FOR ENGINEER COMMENT PRIOR TO START ON SITE.
5. FIRE DAMPERS TO BE PROVIDED AT ALL PENETRATIONS THROUGH FIRE COMPARTMENTS, SEE ARCHITECT'S DRAWING FOR COMPARTMENTATION DETAILS.

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6. DUCTWORK ACCESS DOORS TO BE PROVIDED ADJACENT TO EACH CHANGE OF DIRECTION, DAMPERS AND DUCT MOUNTED EQUIPMENT OR EVERY 10m.
7. PROVIDE VOLUME CONTROL DAMPERS ON ALL DUCTWORK BRANCHES.
8. FINAL CONNECTIONS TO CANOPIES TO BE CO-ORDINATED WITH KITCHEN INSTALLER. ALL CONNECTIONS TO CANOPIES TO BE PROVIDED WITH VCD'S FOR SYSTEM BALANCING.
9. SUPPLY DUCTWORK AND AIR CONDITIONING DUCTWORK TO BE INSULATED. EXPOSED INSULATION IN FRONT OF HOUSE TO BE PAINTED TO ARCHITECT SPECIFICATION

10. PROVIDE WET TRAP ON FCU CONDENSATE DRAIN. AIR TRAP WILL NOT BE PERMITTED.

1) 150Ø EXTRACT

② 250x150 EXTRACT

3 350x150 EXTRACT

4) 350x250 EXTRACT 5) 200Ø SUPPLY

(6) 250Ø EXTRACT

(7) 400x250 EXTRACT FROM BELOW TO H/L C/W VCD

8) 250Ø EXTRACT FROM BELOW TO H/L

9) 250Ø SUPPLY TO BELOW

(10) 400x400 EXTRACT

(10) 400x400 EXTRA

(1) 500x500 EXTRACT (12) 400x200 EXTRACT

(12) 400x200 EXTI

(13) 500x500 SUPPLY

14) 400x250 SUPPLY

(15) 600x250 SUPPLY

(16) 400x250 SUPPLY

(17) 250Ø EXTRACT CONNECT TO CANOPY

(18) 1000x800 SUPPLY RUN UNDER BEAM

(19) 900x1000 SUPPLY

(20) 1300x450 SUPPLY RUNS UNDER BEAM

21) 400x400 EXTRACT CONNECT TO EXISTING RISER DUCT - 700x350

22) 500x500 EXTRACT CONNECT TO EXISTING RISER DUCT - 700x350
 23) 900x900 AND 500x500 SUPPLY DUCTS CONNECT TO EXISTING RISER DUCT - 1350x700

DUCTED DISCHARGE FROM HEAT PUMP WITH CONNECT TO EXISTING RISER DUCT - 1350x700, C/W SILENCER

FIRE RATED 800x700 KITCHEN EXTRACT DUCT OFFSETS AT HIGH LEVEL, DROPS TO LOW LEVEL AND CONNECTS TO LANDLORD DUCT AT LOW LEVEL

(26) FIRE RATED 700x600 KITCHEN EXTRACT DROPS FROM FLOOR ABOVE

(27) FIRE RATED 700x600 KITCHEN EXTRACT RUNS UNDER BEAM AND CHANGE TO 700x800 (28) 1000x800 SUPPLY CHANGE TO 1100x600 AND RISE TO ABOVE

(29) FIRE RATED 700x600 KITCHEN EXTRACT DROPS TO BELOW

PLANT SCHEDULE: LEVEL BASEMENT -1

AHU.1 - MAIN RESTAURANT AHU
ENVIROPAC, SERIES ENV, FLAT RANGE
MODEL ENV 180 FL FIT FOLLOWING SECTIONS:
MOTORISED DAMPER
PANEL FILTER
LTHW HEATING 175kW @ dT=26°C(-1 - 24°C) - LTHW

CHW COOLING 140kW @ dT=17°C (32 -15°C) - CHW 6/12°C FAN SECTION - DUTY 5750 I/s @ 500 Pa POWER SUPPLY- 3Ph 18.5kW

SIZE: 3800 L x 2950 W x 1100 H, WEIGHT: 1600 kg APPROX.

AHU.2 - BASEMENT AHU
VES ECOVENT OR SIMILAR AND APPROVED HEAT RECOVERY AHU
UNIT SIZE 6, EVX616-3, FLAT PLANTROOM MODEL
DUTY 1250 I/s SUPPLY AND EXTRACT @ 350 Pa
LTHW HEATING 15kW @ dT=10°C (11 - 21°C)

CHW COOLING 23kW @ dT=13°C (28 -15°C) - CHW 6/12°C SIZE: 1600x2200x1000 H, WEIGHT: 571 kg

EF.1 - TOILET EXTRACT FAN HELIOS GBD 500/4/4 DUTY 800 I/s @ 500 Pa SIZE: 670L x 670H x670W, WEIGHT: 57 kg SOUND POWER LEVEL:45dBA

ELECTRICAL SUPPLY: 3Ph, 1.45kw

GRILLES: WATERLOO OR SIMILAR AND APPROVED:

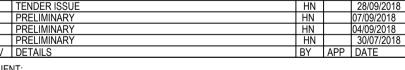
SG.B1.1. - LINEAR SLOT DIFFUSER, FLANGED 8slot, L 2500mm, C/W 4No PLENUM BOXES 600L, 1No 250Ø DUCTWORK CONNECTIONS PER PLENUM. TOTAL DUTY 1000l/s

SG.B1.2 AND EG.B1.2 - SQUARE 4 WAY DIFFUSER - OVERALL 600x600. C/W SIDE ENTRY

PLENUM BOX AND VCD.

EG.B1.1 - 150Ø EXTRACT VALVE

EG.B1.3 - 1100x1100 EXTRACT GRILLE IN WALL FOR SMOKE EXTRACT DUCTED TO LANDLORD DUCT. ADJUSTABLE HEAVY DUTY GRILLE -MODEL 1KH



STREAT MARKETS LTD

CENTRE POINT, LINK BUILD. W1 DRAWING BASEMENT LEVEL -1

VENTILATION

DRAWN BY: H.NISIC	APPROVED BY:	DATE: 20/07/2018
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