

Do Not Scale.  
All Figured Dimensions To Be Checked On Site Prior To Construction.  
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- 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 DW144 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.
  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 1500 EXTRACT
- 2 250x150 EXTRACT
- 3 350x150 EXTRACT
- 4 350x250 EXTRACT
- 5 2000 SUPPLY
- 6 2500 EXTRACT
- 7 400x250 EXTRACT FROM BELOW TO HL CW VCD
- 8 2500 EXTRACT FROM BELOW TO HL
- 9 2500 SUPPLY TO BELOW
- 10 400x400 EXTRACT
- 11 500x500 EXTRACT
- 12 400x200 EXTRACT
- 13 500x500 SUPPLY
- 14 400x250 SUPPLY
- 15 600x250 SUPPLY
- 16 400x250 SUPPLY
- 17 2500 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 900x800 AND 500x500 SUPPLY DUCTS CONNECT TO EXISTING RISER DUCT - 1350x700
- 24 DUCTED DISCHARGE FROM HEAT PUMP WITH CONNECT TO EXISTING RISER DUCT - 1350x700, CW SILENCER
- 25 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**

**AHU1 - MAIN RESTAURANT AHU**  
ENVIRAPAC, SERIES ENV, FLAT RANGE  
MODEL ENV 180 FL FIT FOLLOWING SECTIONS:  
MOTORISED DAMPER  
PANEL FILTER  
LTHW HEATING 175kW @  $\Delta T=26^{\circ}\text{C}(11 - 24^{\circ}\text{C})$  - LTHW  
CHW COOLING 140kW @  $\Delta T=11^{\circ}\text{C}(22 - 15^{\circ}\text{C})$  - CHW  $6/12^{\circ}\text{C}$   
FAN SECTION - DUTY 5750 l/s @ 500 Pa  
POWER SUPPLY: 3Ph 18.5kW  
SIZE: 3800 L x 2950 W x 1100 H, WEIGHT: 1600 kg APPROX.

**AHU2 - BASEMENT AHU**  
VESICOVENT OR SIMILAR AND APPROVED HEAT RECOVERY AHU  
UNIT SIZE 6, EVX16-3, FLAT PLANTROOM MODEL  
DUTY 1250 l/s SUPPLY AND EXTRACT @ 350 Pa  
LTHW HEATING 15kW @  $\Delta T=10^{\circ}\text{C}(11 - 21^{\circ}\text{C})$   
CHW COOLING 23kW @  $\Delta T=13^{\circ}\text{C}(28 - 15^{\circ}\text{C})$  - CHW  $6/12^{\circ}\text{C}$   
SIZE: 1600x2200x1000 H, WEIGHT: 571 kg

**EF 1 - TOILET EXTRACT FAN**  
HELIOS GBD 500/44  
DUTY 800 l/s @ 500 Pa  
SIZE: 670L x 570H x 670W, WEIGHT: 57 kg  
SOUND POWER LEVEL 45dB(A)  
ELECTRICAL SUPPLY: 3Ph, 1.45kw

**GRILLES: WATERLOO OR SIMILAR AND APPROVED:**  
SG B1.1 - LINEAR SLOT DIFFUSER, FLANGED 8slot, L 2500mm, CW 4No PLENUM BOXES 600L, 1No 2500 DUCTWORK CONNECTIONS PER PLENUM. TOTAL DUTY 1000l/s

SG B1.2 AND EGB1.2 - SQUARE 4 WAY DIFFUSER - OVERALL 600x600, CW SIDE ENTRY PLENUM BOX AND VCD.

EGB1.1 - 1500 EXTRACT VALVE

EGB1.3 - 1100x1100 EXTRACT GRILLE IN WALL FOR SMOKE EXTRACT DUCTED TO LANDLORD DUCT. ADJUSTABLE HEAVY DUTY GRILLE - MODEL 1KH

D	TENDER ISSUE	HN	28/09/2018
C	PRELIMINARY	HN	07/09/2018
B	PRELIMINARY	HN	04/08/2018
A	PRELIMINARY	HN	30/07/2018
REV	DETAILS	BY	APP DATE

CLIENT: **STREET MARKETS LTD**

PROJECT: **CENTRE POINT, LINK BUILD. W1**

DRAWING TITLE: **BASEMENT LEVEL -1 VENTILATION**

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

PROJECT No.: **L2171** DRAWING No.: **M003** SCALE: **1:50**



**LEHDING SERVICES DESIGN LTD**  
Unit 10, 10 Redlands Crescent, Laine, Co. Antrim, N Ireland, BT40 1TF. Tel: +44(0) 2838 271 123.  
Global House, Ashley Avenue, Epsom, London, KT18 5AD. Tel: +44(0) 1372 253 207.  
Web: www.lehdng.co.uk Email: info@lehdng.co.uk