

**ducting express**

Ducting Express Services Ltd  
Trade House  
7 Claymill Road  
Thurmaston  
LE4 9JJ

***Local Exhaust & Ventilation  
Thorough Examination & Test***

**Company Name:**

██  
██  
██  
██

**LEV Report – DEXP22012014BH**

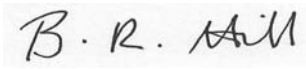
Last Test Date	K/N
Test Date	22-01-2014
Next Test Date	22-01-2015

British Occupational Hygiene Society Certified P601  
Richard Debenham Certificate No 050711/008  
Brodrick Hill Certificate No 20130321-28141-1723

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**ROUTINE EXAMINATION & TEST WAS CARRIED OUT BY:**

**Brodrick Hill**

**Signed:**   
**Date:** 22<sup>nd</sup> January 2014

British Occupational Hygiene Society Certified P601  
Richard Debenham Certificate No 050711/008  
Brodrick Hill Certificate No 20130321-28141-1723

**CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH**

Under the Control of Substances Hazardous to Health (COSHH) 2002 as amended.

**Regulation 6** states an employer shall not carry out work which is liable to expose any employees to any substances hazardous to health unless he has made suitable and sufficient assessment of the risk to the employees and the steps needed to be taken to meet the regulations.

**Regulation 7** defines Local Exhaust and Ventilation (LEV). This is an engineering control measure to reduce exposure to airbourne contaminants' e.g. dust, mist, fume, vapour or gas that may be present in a workplace.

**Regulation 8** compels the employer to ensure that where an LEV system is installed employees must use, also that employees have a duty of care to report any defects.

**Regulation 9** requires that the employer shall ensure that any relevant LEV plants are maintained to a sufficient standard to ensure that the correct performance is maintained at all times. Regulation 9 (2A) states when engineering controls are provided to meet the requirements of regulation 7, the employer shall ensure that a thorough examination and test of the those controls are carried out. The testing should be a least 14 monthly or more frequently depending on the substances being controlled. All inspection and maintenance records must be kept for 5 years on the premises.

The inspection and testing documentation of an LEV system is designed to record the performance of the system and continue to meet the original design specification over subsequent years.

**Summary of LEV**

<b>Location</b>	<b>Process</b>	<b>LEV/Identity</b>	<b>Pass/Fail</b>
Main Woodworking Workshop	Dust Extraction	PJB25TM153I (Bag Filter) S/n 12920	Pass
Main Woodworking Workshop	Dust Extraction	WEG In-Line Fan S/n M/N AL90L0493	Pass
Woodworking Rear Workshop	Dust Extraction	P & J Bag Extractor S/n 500006	Pass

COSHH Regulation 6 (2002) requires that you take into account the findings of this report, which should be read in its entirety.

### Scope of Work

As requested Ducting Express services Ltd, conducted a Local Exhaust Ventilation System thorough inspection and testing survey on the 22<sup>nd</sup> January 2014 to determine if the system meets the requirements of COSHH regulations 7 to 9 2002 as amended at the site location detailed below.

The instruction relates to the following LEV inspection and test survey at:

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

### Survey Requirements: Thorough Inspection & Test

The survey was conducted in accordance with the following documents and involves the inspection and testing contained within the contents of this report.

### Relevant Legislation / Regulations and Standards

- Health & Safety At Work Act 1974
- Control of Substances Hazardous to Health (Fifth Edition) 2002 as amended
- Guidance Documents: HS(G)258

### Frequency of Thorough Examination & Test

As laid down in HS(G)258 Section 10 point 329 the maximum time between tests of LEV systems is set down in COSHH and for most systems this is 14 months (see the exceptions below). In practice this is normally taken to mean annually. Should the effectiveness of a system degrade between testing due to wear and tear, then thorough examination and testing should be carried out more frequently.

#### **Table 18 HS(G)258**

*Legal maximum intervals for thorough examination and test of LEV plant used in certain processes*

- Processes in which blasting is carried out in or incidental to the cleaning of metal castings in connection with their manufacture. **1 month**
- Jute cloth manufacture **1 month**
- Processes, other than wet processes, in which metals (other than gold, platinum or iridium) are ground, abraded or polished using mechanical power, in any room for more than 12 hours a week. **6 months**
- Processes giving off dust or fume in which non-ferrous metal casting are produced. **6 months**

**Examination And Testing Procedure**

The local Exhaust ventilation (LEV) system were subjected to a thorough assessment to determine the control likely to be achieved. This comprised of:

- Visual inspection
- Measurement of plant performance and an assessment control
- Assessment of air cleaner / filter performance

**Results And Discussion**

The results of the testing are presented in the tables appended to this report. Specific comments regarding the system conditions are given in the individual assessments. The system airflows are compared with the following recommended limits.

Recommended minimum main capture velocities:

<b>Contaminant cloud release</b>	<b>Example of process</b>	<b>M/s</b>
Into still air with little or no energy,	Evaporation, mist from electroplating tanks	0.25/0.5
Into fairly still air with low energy,	Welding, soldering, liquid transfer	0.5/1.0
Into moving air with moderate energy,	Crushing, spraying	1.0/2.5
Into turbulent air with high energy,	Cutting, abrasive blasting, grinding	2.5/10

HSG 258 describes capture velocity as “the air velocity required around a source to capture the contaminant and draw it into the hood”.

Recommended minimum duct transport velocities:

<b>Type of contaminant</b>	<b>M/s</b>
Gases and non-condensing vapours	5.00
Condensing vapours, fume and smoke	10.00
Low or medium density, low moisture content dust (plastic dust, saw dust), fine dusts and mists	15.00
Process dust (cement dust, brick dust, wood shavings, Grinding dust)	Around 20.00
Large particles, aggregated and damp dusts (metal turnings, Moist cement dust, compost)	Around 25.00

**Test Equipment**

**Equipment Used:**

Pitot tube, Micromanometer, Digital thermometer and Rotating vane anemometer.

Greywolf Zephyr 11+ Micromanometer – Serial no. 80403  
Calibration Certificate No.49543  
Expiry Date 26-02-14

Rotating Vane Anemometer  
Testo-417 Serial No 1665758  
Calibration Certificate No 49542  
Expiry Date 26-02-14

Rotating Vane Anemometer  
AVM-318 Serial No. 10101502  
Calibration Certificate No. 51035  
Expiry Date: 29-08-2014

Testo Hot Wire x2  
AVM-425 Serial No 02619321 / 02605914  
Calibration Certificate No 1414 / 162  
Expiry Date 01-08-2014 / 10-07-14

TSI Airflow Meter  
PVM-620 Serial No. 211508  
Calibration Certificate No. 49844  
Expiry Date: 04-04-2014

**Drager Flow Check Smoke Tester**  
**Rocket Portable Smoke Machine**  
**Dust Lamp**  
**Dust lamp or smoke tested to suit test conditions**  
**Boreoscope Inspection Camera S/n 210396**

**Calibration Certificates and the above test equipment is certified to 'traceable' national standards.**

### **Personal Exposure Monitoring**

As stated in HS(G)258 Section 8 point 296, air sampling may be appropriate as proof of effective control of a LEV system. Sampling would normally be carried out after all elements of the system are established, i.e. including correct behaviour of the operator.

### **When Personal Protective Equipment Might Be Necessary**

As stated in HSE Control of substances hazardous to health regulations 2002 (as amended) Fifth edition.

143 Regulation 7(3)(c) and principle (e) in Schedule 2A require the employer to provide employees with suitable PPE, eg RPE, protective clothing, protective gloves, footwear; and equipment to protect the eyes, in addition to all other control measures, if the combination of all control measures fails to achieve adequate control of exposure. The guidance on schedule 2A (paragraphs 295-357) provides further information on the steps the employer needs to take.

### **Principles of good practice for the control of exposure to substances hazardous to health**

As stated in HSE Control of substances hazardous to health regulations 2002 (as amended) Fifth edition.

Regulation 7(7)

- Design and operate processes and activities to minimise emission, release and spread of substances hazardous to health.
- Take into account all relevant routes of exposure – inhalation, skin absorption and ingestion – when developing control measures.
- Control exposure by measures that are proportionate to the health risk.
- Choose the most effective and reliable control options which minimise the escape and spread of substances and hazardous to health.
- Where adequate control of exposure cannot be achieved by other means, provide, in combination with other control measures, suitable personal protective equipment.
- Check and review regularly all elements of control measures for their continuing effectiveness.
- Inform and train all employees on the hazards and risks from the substances with which they work and the use of control measures developed to minimise the risks.
- Ensure that the introduction of control measures does not increase the overall risk to health and safety.

### **LEV System Log Book**

In the absence of a Log Book (where applicable) this report serves to document the thorough examination and test of the LEV systems installed at the site specified in this report.

By retaining these records, any future deterioration in an LEV system may be detected by the client in order to correct any failings deemed necessary.

It is recommended that a maintenance schedule is drawn up by the client (as stated in this report) to cover daily, weekly and monthly checks by a competent person and a service and inspection carried out 12 monthly on all LEV plants by a suitably trained and competent engineer. (See suggested Maintenance Schedule below)

**Recommended Guidelines of Maintenance Schedule**

<b>Element</b>	<b>Action</b>	<b>Responsibility</b>	<b>Interval</b>
General	1. Check overall integrity of the system. For evidence of damage, corrosion, seals, substrate leakage etc.	Engineer	6 monthly
	2. Ensure that all inward (intakes) air vents are free from obstruction.	Operators	Daily
Extraction Hoods	1. Inspect for damage and blockages.	Operators	Daily
	2. Check and adjust hoods for optimum collection position in relation to process.	Operators	Per process
	3. Ensure a minimum safe distance is kept between the hood and the process.	Operators	Per process
	4. Ensure all machine guards are in place.	Operators	Per process
Ductwork (flexible)	1. Check general condition to include; duct kinking, damage and wear. Support brackets where applicable.	Operators Engineer	Weekly 6 monthly
	2. Where present, test elbow and joint mobility.	Operator Engineer	Weekly 6 monthly
	3. Test collection efficiency/velocity	Engineer	6 monthly
Ductwork (fixed)	1. Check general condition – i.e. damage, support brackets etc.	Engineer	6 monthly
	2. Check for blockages and/build-up of product.	Engineer	6 monthly
Dampers	1. Check opening/closing range and locking mechanism. Joint leakage.	Engineer	6 monthly
	2. Isolate dampers for machines not in use.	Operators	As required
Filter plant	1. Check differential pressure.	Supervisor	Daily
	2. Inspect filter bags for damage and replace where necessary.	Engineer	6 monthly
	3. Check operation of shaker mechanism.	Engineer	6 monthly
	4. Lubricate and overhaul as required.	Engineer	6 monthly
Fans (Fan Sets)	1. Lubricate bearings as per OEM schedule.	Engineer	6 monthly
	2. Check blade wear (where possible).	Engineer	6 monthly
	3. Check for excessive noise/vibration and heat.	Engineer	6 monthly
	4. Inspect electrical connections.	Engineer	6 monthly
	5. Inspect motor mountings.	Engineer	6 monthly
Operators	1. Instruct employees to alert responsible person if they suspect any change or defect within the system.	Operators	As and when occurs
Thorough exam & Test	1. Carry out full test and inspection	Engineer	6 monthly



**Priority Action**

HSE guidance recommends examiners label each hood with a test record. Alternatively, the test record label could be placed near by, for instance, close to the system on/off switch. It should be clearly visible to the supervisor and operatives.

HSE guidance recommends that a red 'Failed' label should be put on any hoods (or system) that has failed, to warn supervisors and operators directly and explicitly. This could be done by the examiner with the agreement from the employer (client). Or a label could be issued to the employers responsible person. With the label should come a short 'emergency' written report containing a clear description of what is wrong and a list of practical remedial actions.

Corrective action that may be required is ranked on a scale of 1 – 3.

- Priority Action:
1. High – immediate action
  2. Medium – Highly recommended
  3. Routine or ongoing i.e. planned maintenance and training

The corrective use of the LEV plant to include correct positioning of capture hoods should be monitored and enforced by senior staff.

Any recommendations for the improvement of LEV systems are by guidance only and there may be alternatives to improve a LEV systems efficiency that may not be stated within this report. The practicability of these recommendations within this report should be investigated by the client and a competent designer and installer.

**Plant Location/System ID: LEV1**

Main Woodworking Workshop.

Make and model: PJB25TM153I  
Fan/motor: 1.5Kw 2855RPM  
Serial No.: 12920  
Final emission discharge: Internal to atmosphere - filtered.

Contaminants under control: Hard/soft wood, MDF

Total inhalable dust WEL of 5mg/m<sup>3</sup>/8hrTWA  
Total respirable dust WEL of 5mg/m<sup>3</sup>/8hrTWA

**Purpose of Plant:**

Extraction of dust particulate from the machining of hard/soft woods, and MDF.

**Conditions:**

Plant in normal operation.

**Temperature:** 20°C

**Fan Type** Direct drive centrifugal (clockwise rotation)

**Plant Inspection Status**

Filter Details	Good	Faulty	Particulars of Repairs Required
Unit Exterior	✓		
Filter Media	✓		
Elements			
Secondary Filter			
Seals	✓		
Cleaning System			
Shaker System	✓		
Waste Disposal	✓		
Rotary Valve			
Screw conveyors			
Motor	✓		
FanSet / Impeller	✓		
Explosion Panels			
Duct Work	✓		
Electrical Wiring	✓		
Manometers		✓	Requires Magnehelic gauge.

### **LEV INSPECTION.**

<b>Primary Filter</b>	<b>Test Point</b>	<b>Static Pressure (Pa)</b>
Clean Side	Clean	-1143
Dirty Side	Dirty	-747
Differential	DP	396
Secondary Filters	-	-

### **LEV INSPECTION DUCT TRANSPORT VELOCITIES.**

<b>Test Point</b>	<b>Duct Dimension (mm)</b>	<b>Duct CSA</b>	<b>Benchmark Velocity (m/s)</b>	<b>Velocity (m/s)</b>	<b>Air Volume (m/s3)</b>	<b>Air Volume (m3/hr)</b>	<b>Static Pressure (pa)</b>
Main Inlet	150	0.018	15.00	16.17	0.291	1048	-322

### **Comments and Recommended Action / Repairs**

See following tables for the test results.

Notes

- 1) The system was tested with 2 machines in use at any one time. This was advised by the client.
- 2) At the time of testing it was noted that at Test Points TP2 and TP8 duct velocity was lower than the recommended minimum value of 15m/s. Although this was not achieved, the ductwork was inspected and was found to be clear of any product fall-out. I am satisfied at the time of testing that the dust particulate is being captured and conveyed back to the dust collector.

### **Final Conclusion**

**The system is Satisfactory in its present condition at the time of testing.**

**The system complies with the Coshh Regulations and Approved Code Of Practice.**

## LEV INSPECTION DUCT TRANSPORT VELOCITIES / HOOD CAPTURE VELOCITIES - REPORT

**KEY:** H= Hood, Cap= Capture, R= Receiving, E= Enclosing

TP	TP Desc	Con M/c	Hood Design	Bench Mark m/s	Vel m/s	Volume Flow m <sup>3</sup> /s	Volume Flow m <sup>3</sup> /hr	S/P (Pa)	F/V m/s	Size (mm)	Duct Hood CSA	Qualitative Method	Pass / Fail
1	Duct	Main	-	15.00	16.17	0.291	1048	-322	-	150	0.018	-	Pass
2	Duct	Main	-	15.00	10.01	0.040	144	-623	-	70	0.004	-	Pass
H2	Cap	TPA	Oblong	2.5/10	-	-	-	-524	14.40	73x15	0.001	Smoke	Pass
3	Duct	Main	-	15.00	15.21	0.122	439	-595	-	100	0.008	-	Pass
H3	Cap	TPB	Rectangular	2.5/10	-	-	-	-6	2.01	370x120	0.045	Smoke	Pass
4	Duct	Main	-	15.00	19.35	0.155	558	-672	-	100	0.008	-	Pass
H4	Cap	TPC	Round	2.5/10	-	-	-	-41	5.97	140	0.015	Smoke	Pass
5	Duct	Main	-	15.00	16.35	0.131	472	-582	-	100	0.008	-	Pass
H5	Cap	TPD	Round	2.5/10	-	-	-	-35	4.99	140	0.015	Smoke	Pass
6	Duct	Main	-	15.00	25.18	0.126	454	-709	-	80	0.005	-	Pass
H6	Cap	TPE	Oblong Slot	2.5/10	-	-	-	-200	5.97	320x5	0.002	Smoke	Pass
7	Duct	Main	-	15.00	16.31	0.082	295	-538	-	80	0.005	-	Pass
H7	Cap	TPF	Oblong Slot	2.5/10	-	-	-	-247	6.72	125x15	0.002	Smoke	Pass
8	Duct	Main	-	15.00	10.75	0.054	194	-509	-	80	0.005	-	Pass
H8	Cap	TPG	Square	2.5/10	-	-	-	-294	15.09	80x60	0.005	Smoke	Pass

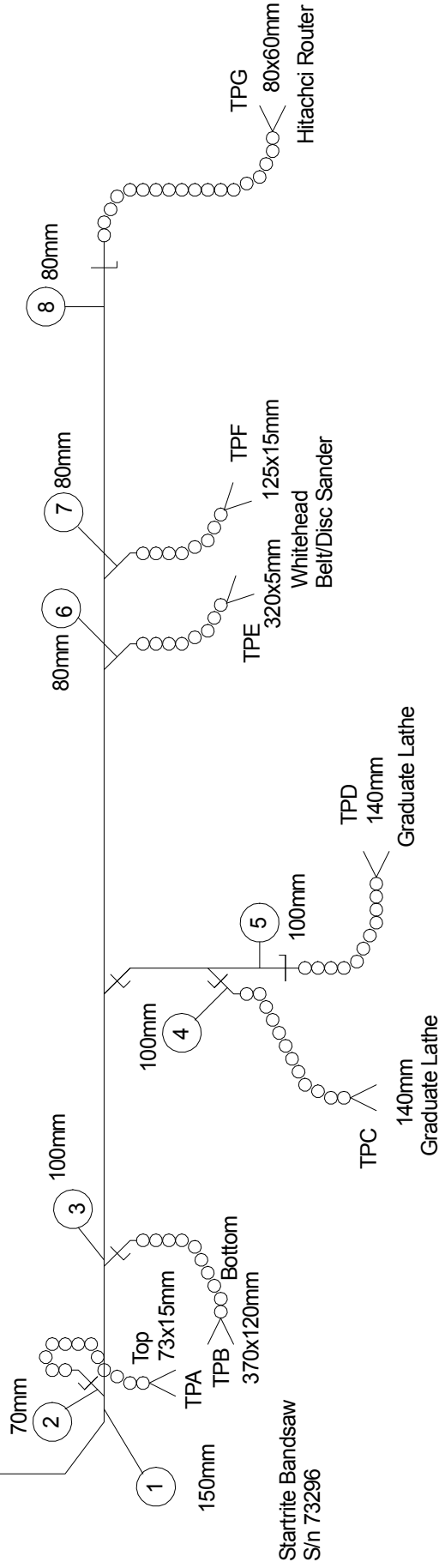
**LEV 1**

### Comments and Recommended Action / Repairs

See previous page.

Store Room  
 Filter  
 Multi Bag  
 PJB25TM-  
 123l  
 1.5Kw  
 S/n 12920

Wall



Ducting Express Services Ltd  
 Trade House  
 7 Claymill Road  
 Thurmaston, LE4 9JJ

Main Woodworking  
 Workshop

DRG No 000001

Date 22-01-2014



Client

System I.D.

LEV 1

Location

Main Woodworking Shop

Process

Machining Of Wood

Plant Condition

Not In Normal Operation



**Plant Location/System ID: LEV2**

Main Woodworking Workshop.

Make and model: WEG In-Line Fan  
Fan/motor: 2.2Kw 2730 rpm  
Serial No.: M/N AL90L0493  
Final emission discharge: External to atmosphere – Un filtered.

Contaminants under control: Heat & Fume

**Purpose of Plant:**

Extraction of heat and fume from smelting, brazing and welding processes

**Conditions:**

Plant in normal operation.

**Temperature:** 20°C

**Fan Type** Direct drive centrifugal (clockwise rotation)

**Plant Inspection Status**

Filter Details	Good	Faulty	Particulars of Repairs Required
Unit Exterior	✓		
Filter Media			
Elements			
Secondary Filter			
Seals			
Cleaning System			
Shaker System			
Waste Disposal			
Rotary Valve			
Screw conveyors			
Motor	✓		
FanSet / Impeller	✓		
Explosion Panels			
Duct Work	✓		
Electrical Wiring	✓		
Manometers			

### **LEV INSPECTION.**

<b>Primary Filter</b>	<b>Test Point</b>	<b>Static Pressure (Pa)</b>
Clean Side	Clean	-
Dirty Side	Dirty	-
Differential	DP	-
Secondary Filters	-	-

### **LEV INSPECTION DUCT TRANSPORT VELOCITIES.**

<b>Test Point</b>	<b>Duct Dimension (mm)</b>	<b>Duct CSA</b>	<b>Benchmark Velocity (m/s)</b>	<b>Velocity (m/s)</b>	<b>Air Volume (m/s3)</b>	<b>Air Volume (m3/hr)</b>	<b>Static Pressure (pa)</b>
Main Inlet	200	0.031	15.00	20.97	0.650	2340	-1032

### **Comments and Recommended Action / Repairs**

See following tables for the test results.

Notes

- 1) Dust gate on Test Point TP3 is set by the client to 80%.
- 2) Client to ensure that the hoods are positioned correctly before use. **Priority 1**
- 3) The system was tested with all points open with TP3 set to 80%.

### **Final Conclusion**

**The system is Satisfactory in its present condition at the time of testing.**

**The system complies with the Coshh Regulations and Approved Code Of Practice.**



## LEV INSPECTION DUCT TRANSPORT VELOCITIES / HOOD CAPTURE VELOCITIES - REPORT

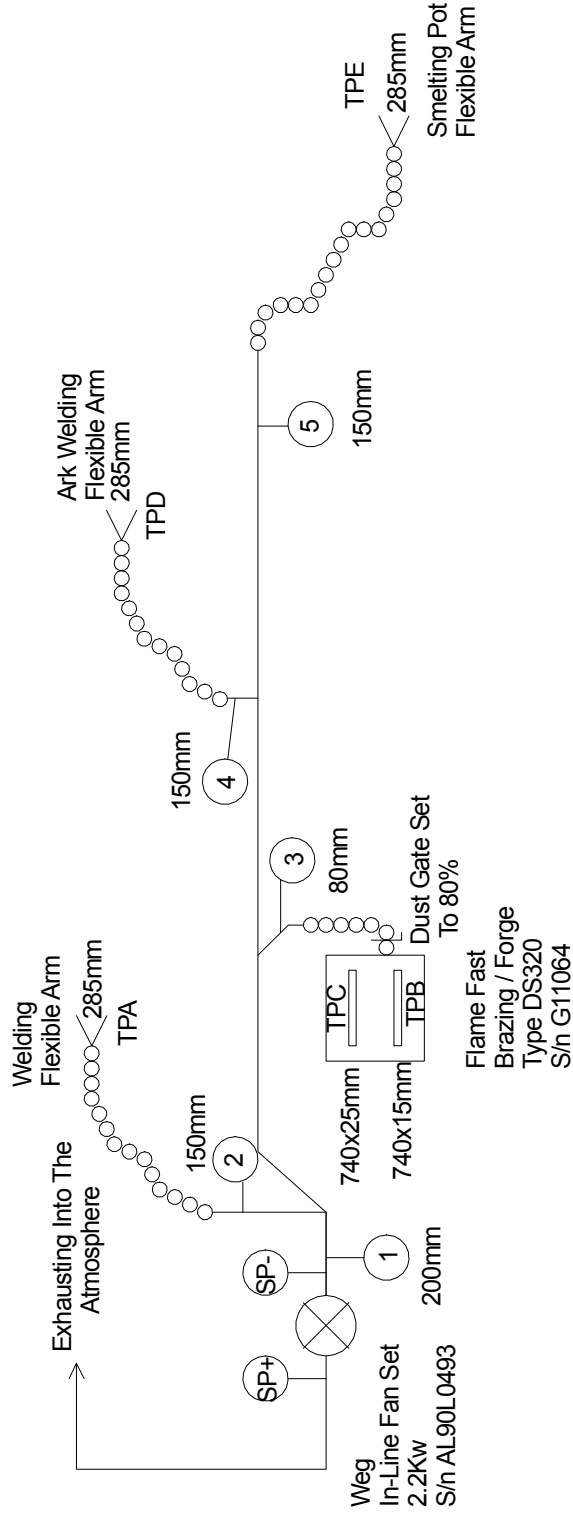
**KEY:** H= Hood, Cap= Capture, R= Receiving, E= Enclosing

TP	TP Desc	Con M/c	Hood Design	Bench Mark m/s	Vel m/s	Volume Flow m <sup>3</sup> /s	Volume Flow m <sup>3</sup> /hr	S/P (Pa)	F/V m/s	Size (mm)	Duct Hood CSA	Qualitative Method	Pass / Fail
1	Duct	Main	-	10.00	20.97	0.651	2340	-1032	-	200	0.031	-	Pass
2	Duct	Main	-	10.00	10.79	0.194	698	-554	-	150	0.018	-	Pass
H2	Cap	TPA	Round	0.5/1.0	-	-	-	-61	3.71	285	0.064	Smoke	Pass
3	Duct	Main	-	10.00	17.15	0.309	1112	-519	-	150	0.018	-	Pass
H3	Cap	TPB	Oblong Slot	0.5/1.0	-	-	-	-	7.17	740x25	0.019	Smoke	Pass
H3	Cap	TPC	Oblong Slot	0.5/1.0	-	-	-	-	7.51	740x15	0.011	Smoke	Pass
4	Duct	Main	-	10.00	10.44	0.188	677	-364	-	150	0.018	-	Pass
H4	Cap	TPD	Round	0.5/1.0	-	-	-	-53	2.51	285	0.064	Smoke	Pass
5	Duct	Main	-	10.00	10.00	0.180	648	-327	-	150	0.018	-	Pass
H5	Cap	TPD	Round	0.5/1.0	-	-	-	-22	2.91	285	0.064	Smoke	Pass

LEV 2

### Comments and Recommended Action / Repairs

See previous page.

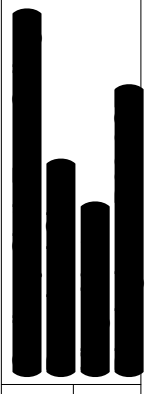


Ducting Express Services Ltd  
Trade House  
7 Claymill Road  
Thurmaston, LE4 9Jj

Main Woodworking  
Workshop Furnace

DRG No 000002

Date 22-01-2014



<u>Client</u> ██████████ ██████████ ██████████ ██████████	System I.D.	LEV 2
	Location	Main Woodworking Shop
	Process	Welding / Smelting
	Plant Condition	Not In Normal Operation



**Plant Location/System ID: LEV3**

Rear Woodworking Workshop.

Make and model: P & J Bag Extractor  
Fan/motor: 1.5Kw  
Serial No.: 500006  
Final emission discharge: Internal to atmosphere - filtered.

Contaminants under control: Hard/soft wood, MDF

Hard/soft wood, MDF Total inhalable dust WEL of 5mg/m<sup>3</sup>/8hrTWA  
Total respirable dust WEL of 5mg/m<sup>3</sup>/8hrTWA

**Purpose of Plant:**

Extraction of dust particulate from the machining of hard/soft wood, MDF.

**Conditions:**

Plant in normal operation.

**Temperature:** 20°C

**Fan Type** Direct drive centrifugal (clockwise rotation)

**Plant Inspection Status**

Filter Details	Good	Faulty	Particulars of Repairs Required
Unit Exterior	✓		
Filter Media	✓		
Elements			
Secondary Filter			
Seals	✓		
Cleaning System			
Shaker System	✓		
Waste Disposal	✓		
Rotary Valve			
Screw conveyors			
Motor	✓		
FanSet / Impeller	✓		
Explosion Panels			
Duct Work	✓		
Electrical Wiring	✓		
Manometers		✓	Requires Magnehelic gauge.

## LEV INSPECTION.

Primary Filter	Test Point	Static Pressure (Pa)
Clean Side	Clean	-1433
Dirty Side	Dirty	-1395
Differential	DP	38
Secondary Filters	-	-

## LEV INSPECTION DUCT TRANSPORT VELOCITIES.

Test Point	Duct Dimension (mm)	Duct CSA	Benchmark Velocity (m/s)	Velocity (m/s)	Air Volume (m/s3)	Air Volume (m3/hr)	Static Pressure (pa)
Main Inlet	150	0.018	15.00	17.28	0.311	1120	-1025

## Comments and Recommended Action / Repairs

See following tables for the test results.

### Notes

- 1) The system was tested with 1 machine in use at any one time.
- 2) As discussed with the client at the time of testing, slivers of wood were removed from Test Points TPA & TPB. Client to check duct work to ensure that slivers of wood do not become trapped. **Priority 1**
- 3) At the time of testing it was noted that at some of the main duct velocities were below the recommended minimum value of 20 m/s. Although this was not achieved, the duct work was inspected and was found to be clear of any product fall-out. I am satisfied at the time of testing that the dust particulate is being captured and contained back to the dust collector.

### Final Conclusion

**The system is Satisfactory in its present condition at the time of testing.**

**The system complies with the Coshh Regulations and Approved Code Of Practice.**

## LEV INSPECTION DUCT TRANSPORT VELOCITIES / HOOD CAPTURE VELOCITIES - REPORT

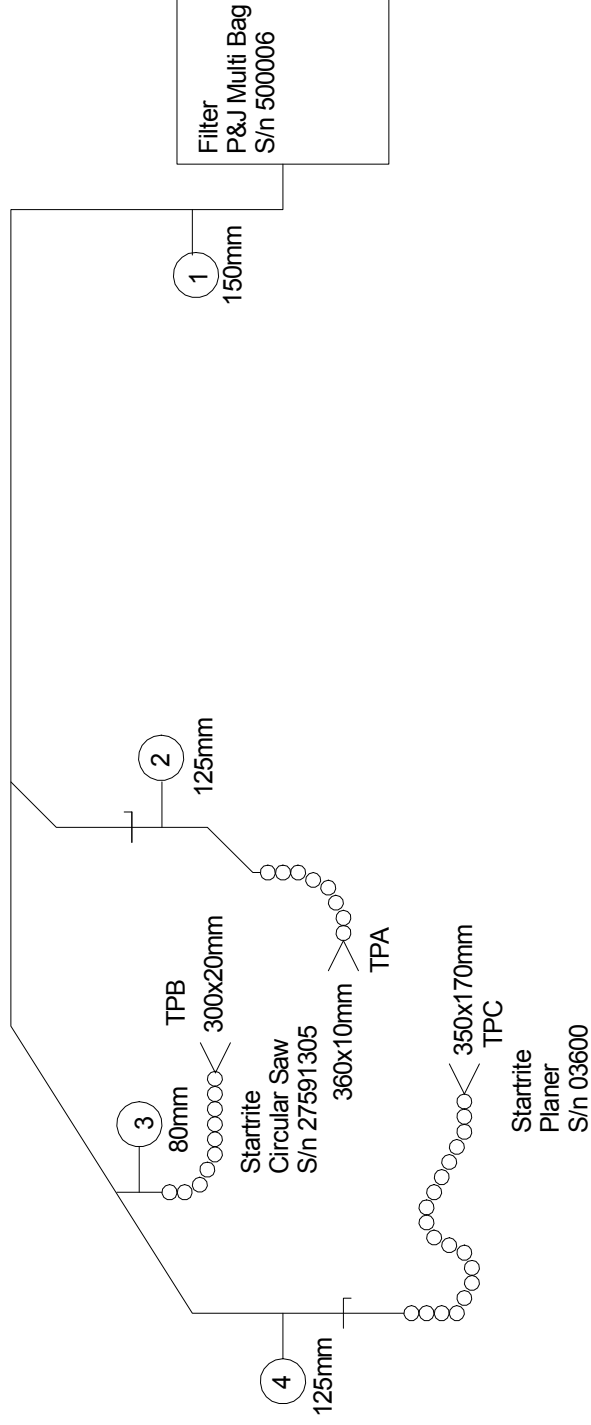
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TP	TP Desc	Con M/c	Hood Design	Bench Mark m/s	Vel m/s	Volume Flow m/s 3	Volume Flow m3/hr	S/P (Pa)	F/V m/s	Size (mm)	Duct Hood CSA	Qualitative Method	Pass / Fail
1	Duct	Main	-	15.00	17.28	0.311	1120	-1025	-	150	0.018	-	Pass
2	Duct	Main	-	15.00	12.03	0.144	518	-1194	-	125	0.012	-	Pass
H2	Cap	TPA	Oblong Slot	2.5/10	-	-	-	-198	2.58	360x20	0.007	Smoke	Pass
3	Duct	Main	-	15.00	22.32	0.112	403	-1202	-	80	0.005	-	Pass
H3	Cap	TPB	Oblong Slot	2.5/10	-	-	-	-404	12.01	300x20	0.006	Smoke	Pass
4	Duct	Main	-	15.00	16.01	0.192	691	-903	-	125	0.012	-	Pass
H4	Cap	TPC	Rectangular	2.5/10	-	-	-	-355	6.36	350x170	0.060	Smoke	Pass

**LEV 3**

### Comments and Recommended Action / Repairs

See previous page.



Ducting Express Services Ltd  
Trade House  
7 Claymill Road  
Thurmaston, LE4 9Jj

Main Woodworking

DRG No 000003

Date 22-01-2014



Client

System I.D.

LEV 3

Location

Main Woodworking Shop

Process

Machining Of Wood

Plant Condition

Not In Normal Operation

