

LEV SYSTEMS UPGRADE PROJECT, GRETB
TRAINING CENTRES, MERVUE BUSINESS
PARK, MERVUE, GALWAY.



An tSeirbhís Oideachais Leanúnaigh agus Scileanna
Further Education and Training Authority

VOLUME A.2.3.1.3 - MECHANICAL SERVICES
EQUIPMENT SCHEDULES

Document Control Sheet

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Schedule of Fume Extraction Fans				Schedule No.: 1
Project:	LEV Systems Upgrade Project GRETB Training Centres, Mervue Business Park, Mervue, Galway	Project No.:	6917-3	Sheet No. 1 of 1

<u>Fan No.</u>	<u>Serving</u>	<u>Fan Model /Size</u>	<u>Remarks</u>
EF1	LEV System No 6	GEOVENT MEF-450-3 fume extraction fan with a duty of 7500 m ³ / hr @ 2300 Pa, complete with a 7.5 kW 3-Phase motor and inverter drive.	The fume extraction fan shall be supplied complete with a IP55 soundproof box/ weathered enclosure, mounting frame, c/w anti-vibration mounts, etc. The Contractor shall hand over the inverter drive to the Electrical Contractor for erection and connection.
EF2	LEV System No 7	Ditto	Ditto
EF3	LEV System No 8	Ditto	Ditto
EF4	LEV System No 9	Ditto	Ditto
EF5	LEV System No 18	Ditto	Ditto
EF6	LEV System No. 11	Ditto	Ditto
EF7	LEV System No. 1	Ditto	Ditto
EF8	LEV System No. 4	Ditto	Ditto
EF9	LEV System No. 3	Ditto	Ditto
EF10	LEV System No. 2	Ditto	Ditto
EF11	LEV System No. 5	Ditto	Ditto
EF12	LEV System No. 12	Ditto	Ditto
EF13	LEV System No. 19	Ditto	Ditto
EF14	LEV System No. 20	Ditto	Ditto
EF15	LEV System No. 5	Ditto	Integral fume extraction fan as part of the tower filtration unit

Notes:

- The Fume Extraction Fans shall be of the GEOVENT MEF range or equivalent manufacture and be suitable for a 380-volt 50 Hz 3-Phase electrical supply.
- The Fume Extraction Fans shall be supplied complete with matching 3-Phase inverter drive.
- The Fume Extraction Fans shall also be supplied complete with matching 1200 mm long attenuators.

Schedule of Fume Extraction Arms				Schedule No.: 2
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<u>Fan No.</u>	<u>Serving</u>	<u>Fan Model /Size</u>	<u>Remarks</u>
FEA-1	LEV System No 1	GEOVENT “Compact” 2.0-metre-long telescopic fume extraction arm with a duty of 800 m ³ / hr.	The fume extraction arms shall be supplied complete with all associated accessories consisting of 2.0 metres long telescopic hose manufactured from flame retardant PVC outer sheath with spring steel wire and balanced counterweight system, wall mounted fixing bracket, flange to duct adapter, swivel joint, and metal hood with safety mesh and integral LED light and shut off damper.
FEA-2, 3	LEV System No 2	Ditto	Ditto
FEA-4,5	LEV System No 3	Ditto	Ditto
FEA-6 to 9	LEV System No 6	Ditto	Ditto
FEA-10 to 12	LEV System No 7	Ditto	Ditto
FEA-13 to 15	LEV System No 8	Ditto	Ditto
FEA-16 to 19	LEV System No 9	Ditto	Ditto
FEA-20 to 21	LEV System No 11	Ditto	Ditto

Notes:

- The Fume Extraction Fans shall be of the GEOVENT MEF range or equivalent manufacture and be suitable for a 380-volt 50 Hz 3-Phase electrical supply.
- The Fume Extraction Fans shall be supplied complete with matching 3-Phase inverter drive.
- The Fume Extraction Fans shall also be supplied complete with matching 1200 mm long attenuators.

Schedule of Fume Exhaust Hose Reels				Schedule No.: 3
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<u>Fan No.</u>	<u>Serving</u>	<u>Fan Model /Size</u>	<u>Remarks</u>
FEHR-1, 2	LEV System No 19	GEOVENT GTS-1000-10-125 Fume Exhaust Hose Reel with a duty of 400 m ³ / hr.	The fume exhaust reels shall be suitable for vehicle fume exhaust application complete with approx. 10.0 metres long x 125 mm dia NR-CP EPDM/PP coated hose and nozzle, suitable for temperatures from -40°C to + 150°C, including the provision of a matching 1000 mm wide spring retractable drum and frame, and shut off damper and “Clicklock” system.
FEHR-3	LEV System No 20	Ditto	Ditto

Notes:

- The Fume Exhaust Reels shall be of the GEOVENT GTS-1000-10-125 range or equivalent manufacture.

Schedule of Attenuators				Schedule No.: 4
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Fire Damper No.	Function	Serving	Length	Duct Size
ATT1	Exhaust Air	LEV Extraction No 1	1200mm	300mmØ
ATT2	Exhaust Air	LEV Extraction No 4	1200mm	200mmØ
ATT3	Extract Air	LEV Extraction No 6	1200mm	300mmØ
ATT4	Exhaust Air	LEV Extraction No 7	1200mm	250mmØ
ATT5	Extract Air	LEV Extraction No 8	1200mm	250mmØ
ATT6	Extract Air	LEV Extraction No 9	1200mm	300mmØ
ATT7	Extract Air	LEV Extraction No 19	1200mm	300mmØ
ATT8	Exhaust Air	LEV Extraction No 18	1200mm	200mmØ
ATT9	Extract Air	LEV Extraction No 20	1200mm	300mmØ
ATT10	Extract Air	LEV Extraction No 11	1200mm	150mmØ
ATT11	Extract Air	LEV Extraction No 3	1200mm	300mmØ
ATT12	Extract Air	LEV Extraction No 2	1200mm	300mmØ
ATT13	Extract Air	LEV Extraction No 5	1200mm	300mmØ
ATT14	Exhaust Air	LEV Extraction No 3	1200mm	300mmØ
ATT15	Exhaust Air	LEV Extraction No 2	1200mm	300mmØ
ATT16	Exhaust Air	LEV Extraction No 5	1200mm	300mmØ
ATT17	Exhaust Air	LEV Extraction No 4	1200mm	200mmØ
ATT18	Extract Air	LEV Extraction No 12	1200mm	250mmØ
ATT19	Extract Air	LEV Extraction No 7	1200mm	250mmØ
ATT20	Exhaust Air	LEV Extraction No 8	1200mm	250mmØ
ATT21	Exhaust Air	LEV Extraction No 6	1200mm	300mmØ
ATT22	Exhaust Air	LEV Extraction No 9	1200mm	300mmØ
ATT23	Exhaust Air	LEV Extraction No 11	1200mm	150mmØ
ATT24	Extract Air	LEV Extraction No 18	1200mm	200mmØ
ATT25	Exhaust Air	LEV Extraction No 19	1200mm	300mmØ
ATT26	Exhaust Air	LEV Extraction No 20	1200mm	250mmØ
ATT27	Exhaust Air	LEV Extraction No 5	1200mm	300mmØ

Schedule of Volume Control Dampers				Schedule No.: 5
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