

Appendix A – Activities permitted to occur outside of core hours

Activity	Method of work – Brief description	Plant/equipment to be used	Risk of Noise/Vibration/Dust Pollution followed by reasoning (control measures)
	metal stud work with screws and battery powered drill. Installation of metal studwork with screws and battery powered drills – some adjustment of studwork with saws may be needed	powered drill. Chop saw/Mitre saw.	metal studwork is required to be cut it will take place at a dedicated cutting station within an acoustic tent (internally).
Timber mullions and glazed partitions	Fixing and bracketing mullions and fitting glass.	MEWP for access and handheld drill	Low risk – internal works with medium noise level low on time equipment.
Installation of Modular units – Sub-roof modules, raised access floor modules and lab spine modules	Mechanical install and connection of off-site manufactured module units.	MEWP for access and handheld drill	Low risk – internal works with medium noise level low on time equipment.
Modular and feature ceiling	Fixing connections and hanging ceiling units.	MEWP for access and handheld drill	Low risk – internal works with medium noise level low on time equipment.
Distribution Boards	Electrical installation works requiring battery powered drill only	Hand drill	Low risk – Internal electrical works resulting in minimal noise
Electrical Testing and Inspection	Electrical testing of systems requiring non noise emitting testing equipment	Cable cutters (pliers/bolt cutters)	Low risk – Internal electrical works resulting in minimal noise
Cable and data cable installation	Pulling of cables along electrical distribution cable trays, hand cutting of cables	Cable cutters (pliers/bolt cutters)	Low risk – Internal electrical works resulting in minimal noise
Electrical wiring	Installation of security systems - Electrical wiring. Fixing cameras with screws and battery powered drill.	Hand tools (wire cutters/strippers etc.)	Low risk – internal with no power tools used.
Fire alarm installation	Installation of fire alarm systems, cable pulling	Battery powered drill and wire cutters	Low risk – Internal works requiring only wire placement and electronic installation
Installation of pipework and copper pipe work	Installing pipework throughout the building and fixing with brackets where needed. Pipes cut with tube cutter (low noise).	Hacksaw, tube cutter, MEWP and battery powered drill.	Low risk – Pipes cut with low noise methods and all work is internal. Larger pipes cut off site or during core hours. Small pipes altered with low noise methods.
Thermal insulation of pipes and services	Adding insulation to pipes	Retractable knife, MEWP	Low risk – Very low impact.
Laboratory case work and equipment	Fixing, connection and install of pre-fabricated equipment.	Battery powered drill, MEWP	Low risk – All works are internal. Only battery powered drills used.
Bracketry installation to soffit and slab	Installation of brackets to hold pipe runs in place. MEWP needed to access some areas and battery powered drill and screws to secure.	Battery powered drill, MEWP	Low risk – All works are internal. Only battery powered drills used.
Acoustic spray on underside of soffit	Spray painting of sealant using an airless spray gun.	MEWP, airless paint sprayer, generator for ventilator.	Low Risk – Machinery noise low. Chemical used has low VOC content. Ventilation for the entire basement will be required at times to provide air circulation and aid drying however this will not be discharging noxious or any other polluting substances. It is just to enable a constantly moving air flow.

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Painting – plasterboard walls	Paint applied to walls by spray machine and hand tools	Paint spraying machine and hand tools	Low risk – water based or low solvent based paint applied indoors and no ventilation needed.
Internal doors and frame installation	Installation of pre-fabricated door frames – fixed with screws	Battery powered hand drill only	Low risk – interior works and prefabrication of door frames results in no cutting needing to be done on site.
BMS commissioning	Putting systems to work and setting control points	Test equipment	This system will not be operated until the acoustic shielding design control measures are in place. Systems will only operate under design conditions and within the bounds of planning consent
Lighting commissioning	Testing of lighting and emergency lighting systems	Test equipment	This system will not be operated until the acoustic shielding design control measures are in place. Systems will only operate under design conditions and within the bounds of planning consent
Ductwork installation and insulation	Galvanized pipes insulated with Rockwool. Insulation applied by hand. Installation of galvanized ducts. Fixed to internal walls and slab with handheld drill and brackets	MEWP for access and handheld drill	Low risk – internal works with medium noise level low on time equipment
Second fix ductwork	Installation of ceiling grills to cover ventilation. Installed with battery operated drill.	MEWP for access and handheld drill	Low risk – internal works with medium noise level low on time equipment
Airside commissions	Switching on internal fans to ensure compliance they operate effectively	Air flow meter	Low risk - As per design/planning permission fans are internally located and are acoustically treated.
Vinyl flooring	Applying glue and fitting vinyl floor and wall coverings	Retractable knife and hand powered spray bottle	Low risk – Glue used is medical grade non solvent/toxic with low V.O.C content. No ventilation needed.
Resin flooring	Floor preparation/cleaning and application of floor resin.	Hand tools (rollers), machine resin mixer, generator for ventilator.	Low Risk – Machinery noise low. Chemical used has low VOC content. Ventilation for the entire basement will be required at times to provide air circulation and aid drying however this will not be discharging noxious or any other polluting substances. It is just to enable a constantly moving air flow.
Hardwood and granite flooring	Magnetic fastened timber flooring and adhesive fixing for granite flooring.	Hand tools, Chop saw/Mitre saw.	Low risk – Internal hand tool works resulting in minimal noise. Cutting will take place at a dedicated cutting station within an acoustic tent (internally).
Raised access floor installation	Fixing supports and installing floor.	Battery powered drill	Low risk – Internal hand tool works resulting in minimal noise
Partitioning walls	Cutting plasterboard to size with retractable knife and fitting to	Retractable knife and battery	Low risk – All work is internal with low impact tools used the majority of the time. If

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Testing of mechanical and electrical systems	Low impact routine testing of mechanical and electrical systems. All testing will be short timespan routine systematic compliance tests to ensure systems are built to specification and working effectively		Low risk – testing is done with equipment that makes minimal noise and takes a short amount of time for each section.