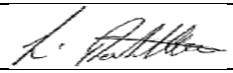
Demex Ltd
Risk Assessment For : STRUCTUAL DEMOLITION

Demolition Risk Assessments					**REF: C600-742**		
Address: Bungalow & Outbuildings, 29a Cemetery Rd, Hemmingfield, Barnsley, S73 0PU					Assessor / Author: Lee Rowbotham / Calum Hunter	Client: ETON Construction	
General RA's for works.	Reviewed by:	Lee Rowbotham		Date:	19 th-Jan-2022	Signed By:	
L = Likelihood	HP = Potential severity		R = Risk Rating	5 = High	1 = Low based on a 5 x 5 matrix.	The higher the figure the greater the severity.	

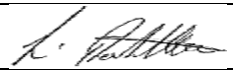
Task	Hazard	Who might be harmed?	Initial Risk			Control Measure	Residual Risk		
			L	HP	R		L	HP	R
Access /Egress to Site	Impact with traffic and road users	Employees, Third parties& General Public	4	5	20	Designated safe site speed limit / Signage and instructions for traffic routes. Traffic management designed by competent contractor. Dedicated access / egress points. Rotating beacons fitted to all plant. Hi-vis clothing to be worn by all operatives. Operational areas clearly segregated from general areas.	2	5	10
	Interaction with public (public safety / violence / abuse	Operative, Staff & General Public	4	3	12	Segregation from the public using Heras fencing / hoarding, access restricted to authorised personnel only. Trained operatives, public & warning signage affixed to site boundary, public liaison / communication measures to be in place.	2	3	6
Manoeuvring of vehicles & plant (Inc Reversing)	Site vehicle movements	Employees & Third Parties	4	5	20	Designated safe site speed limit / Signage and instructions for traffic routes. Dedicated pedestrian access and segregated from site vehicles. All reversing to be undertaken under a banksman. All HGV fitted with reversing alarms / warnings. Rotating beacons to all operational vehicles.	2	5	10
	Ground conditions	Employees & Plant/Equipment	3	5	15	Ground conditions to be assessed prior to commencement of the works and daily during the works by the Demex site supervisor and operational staff. Particular attention shall be required during inclement weather conditions. Pedestrians and plant/equipment to be segregated by use of pedestrian barriers.	1	5	5

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Task	Hazard	Who might be harmed?	Initial Risk			Control Measure	Residual Risk		
			L	HP	R		L	HP	R
Removal of structural elements	Falling materials	Employees & third parties	3	5	15	Cabs to demolition rigs to be fitted with FOPS. Exclusion zones to be erected around machines. D-rig operators to be trained and authorised to undertake the works. Banksman to be located at pertinent locations and in direct contact with the D-rig operator via two-way radio.	1	5	5
	Uncontrolled collapse of structure	Employees & Third Parties inc. Public	3	5	15	D-rig operatives to be trained and authorised. A detailed specific method statement to be formed for the works. Structural engineers input to be sought prior to commencement for complex structures. Structure to be deemed an exclusion zone to all persons on commencement of remote demolition. Exclusion zone to be formed around the demolition rig.	1	5	5
	Dust, Noise & Vibration	Employees & Third Parties	4	4	16	Dust suppression to be used to control dust migration. Sensitive demolition techniques to be adopted. Working hour restrictions in place for sensitive adjacent stakeholders. Equipment to be lowest noise and vibratory emitting as possible. Equipment to be well maintained. The works are to be screened. Equipment to be fit for use and correct for the task in hand. Equipment to be isolated when not in use.	1	4	4

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Task	**Hazard**	**Who might be harmed?**	**Initial Risk**			**Control Measure**	**Residual Risk**		
			L	**HP**	**R**		**L**	**HP**	**R**
Removal of structural elements cont….	Basements or Voids	Employees	4	5	20	Locations of basements or voids to be indentified prior to works commencing. Relevent basement or void drawings to be obtained showing location. Structural engineer to review slab capacity. Plant and equipment over the capacity are not to travel on basements or voids. Strictly following methodology before whiles undertaking works. Any open basements or voids shall have adequate edge protection around the excavation if left open.	1	4	4
	Inclement Weather Conditions	Plant operator, Employees	3	5	15	Windscreen wipers to be fitted to plant where applicable. Pedestrian access routes to be defined by use of pedestrian barriers. Hi-vis clothing to be worn at all times on site. Dust suppression equipment to be thoughtfully positioned in high wind conditions. Wind conditions to be monitored by the Demex site supervisor using an anemometer and recorded in their daily diaries.	1	5	5
	Fumes / coatings	Employees	3	5	15	Materials to be assessed for special coatings or metals. Operatives to wear face fitted Sundstrom half mask c/w fume filter, P3 and pre-filter. Operatives to undertake annual occupational health surveillance. Areas to have good ventilation. Paint samples to be taken where required.	1	5	5

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Task	**Hazard**	**Who might be harmed?**	**Initial Risk**			**Control Measure**	**Residual Risk**		
			L	**HP**	**R**		**L**	**HP**	**R**
Removal of Waste	Dust & Noise	Employees & Third Parties	3	3	9	Dust suppression to be used to control dust migration. Working hour restrictions in place. Equipment to be lowest noise emitting as possible. Equipment to be well maintained. The works are to be screened. Equipment to be fit for use and correct for the task in hand. Equipment to be isolated when not in use.	1	3	3
Use of Water	Flooding	Employees, Third Parties, Environmental Harm	3	4	12	Drainage systems to be covered with a geo textile material to prevent demolition debris from entering the water course. Supply to be turned off when not in use. Leaks to hoses to be repaired or the hose to be replaced. Wet floors to have warning signs placed on them informing persons of a potential slip hazard. Salt/grit to be spread if freezing is a possibility.	1	4	4