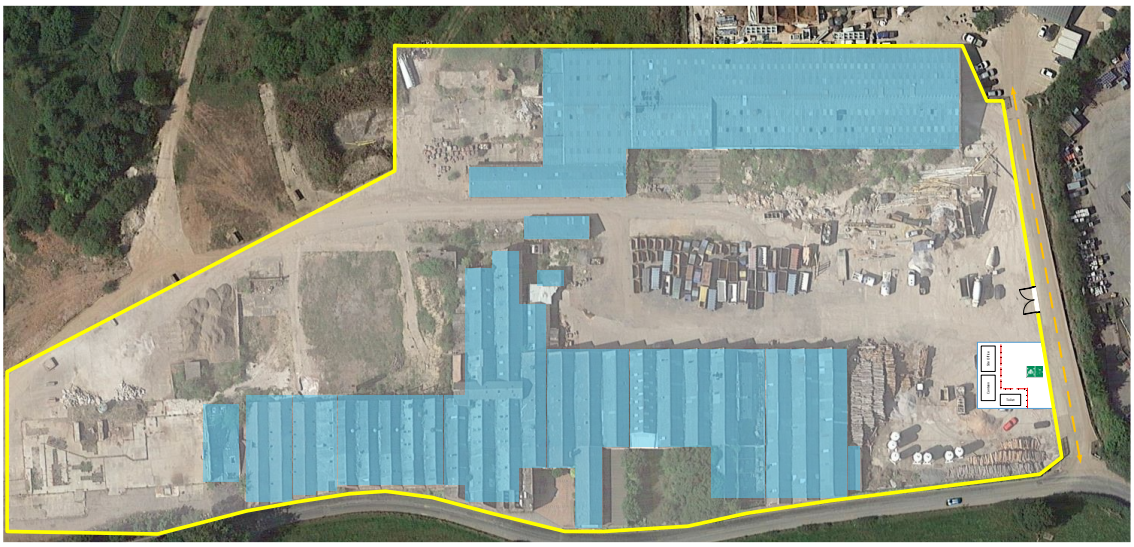
Demolition & Strip Out Method Statement



Hafod Industrial Estate, Wrexham

STD014

Prepared By	Date
Elliott Toner	26/08/2024

Date:	Rev No:	Revision

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1.0 Project Information

Project Name	Hafod Industrial Estate
Site Address	Hafod Road Ruabon Wrexham LL14 6HF

2.0 Client Information

Client Name	
Client Contact	
Client Email	
Client Number	

3.0 Programme

Start Date	TBC	**End Date**	TBC
Duration	TBC	**Working Hours**	07:30 – 18:00

4.0 Key Personnel

Project Manager	Elliott Toner	07786 558 261
Site Supervisor	Alec Ross	07539 540 782
Deputy Supervisor	TBC	-

5.0 Workforce Including Communication & Monitoring

Approximately 10no. operatives expected on site during the works, additional numbers for sub-contractors will be provided prior to attending site.

ST Demolition will ensure that all its employees are adequately trained in the tasks that they are required to carry out. Documentary proof will be available for inspection and further information is provided in a later section of this method statement.

All operatives will sign into site and read the asbestos survey information upon arrival and prior to starting work, the clients site agent will induct all operatives to site prior to works commencing.

Weekly safety talks (Toolbox Talks) will be given reinforcing the original instruction. The site supervisor and safety advisor will be on hand to give health and safety advice and to address any concerns that the operatives may have.

Open lines of communication will be provided between ST Demolition's site team and client representatives.

6.0 PPE

Personal Protective Equipment is to be worn at all times whilst works are being carried out, equipment is regularly checked and maintained with replacement items held on stock in works vehicles & welfare cabin on site, additional items will be held on stock at Head Office when required.

All Personal Protective Equipment will confirm to current British Standards (BS) and will be inspected for damage before use each day.

Description	Required	Specify Type & Details
	✓	General Purpose Grip Gloves (EN 388)
	✓	Hard Hat (EN 397)
	✓	Hi-Viz (EN 20471)
	✓	Steel Toe Capped Boots (EN 20345)
	×	N/A
	×	Safety Glasses (EN 166)
	✓	General Purpose Grip Gloves (EN 388)
Other please specify:		

HOLD POINT

Any out of date of damaged PPE shall be discarded and replaced.

7.0 Plant & Equipment

All equipment & tools on site will be maintained by authorised fitters and are routinely tested & serviced. A fitter is available on call during working hours to assist with any breakdowns or damaged equipment.

PAT Testing is carried on all electrical items and logged at Head Office all tools to be tagged with dates for validity.

LOLER inspections are carried out on a 6 monthly schedule on MEWPS etc and 12 monthly schedules on all other plant by an approved company appointed by the companies' insurance company or supplied with the equipment when hired in from an authorised hire company.

Testing certificates are available upon request.

Key Plant & Tools

Cordless Drill	✓	Access Towers	✓	Step Ladders	✓
Oil Storage Containers	✓	Hoist		Skip Wagon	✓
Skips	✓	Grab Wagon	✓	HIAB Wagon	✓
Heras Fencing	TBC	Toilet Block		Canteen Block	✓
Generator	✓	Site Office Block	✓	Storage Container	✓

Additional Plant & Tools

Description	Quantity/Sizes	Additional Info
Terex XR400 Crusher	1	✓
MEWP – Scissor Lift	2	✓
MEWP – Boom	1	✓
21 Tonne Kamatsu 360 Excavator	2	✓
Steel Cutters	2	-
Pulverisers Bucket	1	-
Breakers	2	-
Riddling Bucket	1	-
Buckets	2	-
Four Wheel Drive Dumper (6 Tonne)	2	✓
Dust Suppression Blasters	2	✓

NOTE THAT THE QUANTITY OF EQUIPMENT USED ON THE SITE WILL VARY AS THE WORKS PROGRESS

8.0 Personal Training Requirements

All ST Demolition operatives have attended & completed a range of various courses relating to the Demolition and Construction industry, certificates are available in both digital and paper format upon request.

Training is maintained by an external source who manage the refresher periods and updates on any new legislation or regulations coming into force.
Specific Training Requirements for site are listed below.

Access Tower	✓	Manual Handling	✓	Plant Machinery	✓	CSCS Card	✓
Hand Tools	✓	Abrasive Wheels	✓	First Aid	✓	Asbestos Awareness	✓
Cat B Asbestos	✓	MEWPS	✓	Other		Fire Safety	✓

9.0 Permit to Works

Permit to Works will be issued by site agent and will be issued daily with a permit for each individual task. These will need to be signed by the nominated supervisor and site manager before and after the shift.

Permits will be displayed adjacent to you work area or as directed by the client.

Fire watch will be carried out as set out on the permit provided and signed off as required.

Specify Applicable Permits	Asbestos Works Permit to Dig

10.0 Access & Egress

Site access will be via the gates located on the access road to the cement works, this will form part of the site induction and pre-site meeting arrangements.

Vehicles will park in designated areas as per main site induction any further supplementary induction information by site agent and operatives will ensure priority access for emergency vehicles and will not block any access to disabled parking bays or building access.

Traffic routes into site will be discussed as part of the pre-site meeting and all routes will be highlighted by the Site Agent and will be included as part of the site induction.

Site compound and entrance is shown on the drawing provided

11.0 Asbestos Information

Before any works commence operatives will read through the asbestos survey report provided by client.

All operatives have received Asbestos Awareness training, and most have Cat B Training.

All operatives will wear FFP3 masks, paper suits, gloves, and safety glasses etc during any removal work of non-notifiable materials.

Full control measures for non-notifiable asbestos materials is detailed in the process of works below.

Has a survey been provided	Yes
Carried out by	Rivington Environmental Services Ltd 01942 375565 admin@rivingtonenvironmental.co.uk
Reference No.	RES 394
Survey Type	Asbestos Demolition Survey
Are ACM's present affected by our works	Yes, removal forms part of this project.

Non- licensed asbestos can be removed by the trained, medical and face fitted demolition site team.

- Cat B (removal of non-licensed asbestos) trained persons only can remove non- licensed asbestos.
- CAR regulations:2012 adhered too, during removal.
- Correct PPE/ RPE worn.
- All asbestos waste product removed will be double bagged, sealed and placed on a lockable asbestos skip.
- All asbestos waste will be taken to a licensed waste disposal facility.
- Waste records will be kept.
- All persons on site will be asbestos awareness trained.

HOLD POINT

Should further non surveyed asbestos be found, the procedures are

- Stop work.
- Make safe.
- Secure the area.
- Inform the STD site manager/ supervisor.
- Form an exclusion zone.
- Conduct a toolbox talk
- Have sample removed and tested by qualified persons/ laboratory.
- Once sample is tested then remove in accordance with CAR regulations:2012.

12.0 Emergency Procedures

Operatives will make themselves aware of the existing site emergency procedures including assembly points and escape routes as per site induction.

The Company will take reasonable precautions to avoid the outbreak of fire. A "No Smoking / E-Cigarette" policy will be implemented and all labour on site will be continually educated in the dangers of fire etc.

We will implement measures to inhibit or reduce the risk of fire and where appropriate will include the following:

- Ensure adequate water supplies are available.
- Ensure firefighting equipment of the appropriate type sited in prominent positions.
- Staff are trained in the safe use of firefighting equipment.
- Fire instruction notices are visible.
- Escape routes clearly defined and marked.
- Additional fire extinguishers to be placed in working area

Muster Point	Site Compound
First Aid Kit	Site Office
Nominated First Aider	Elliott Toner / Alec Ross
Nearest A&E	**Wrexham Maelor Hospital** Croesnewydd Road Wrexham LL13 7TD Tel: 01978 291100
Fire Extinguishers Supplied By	ST Demolition
Location of Extinguisher	Adjacenent to Work Areas

The Company will supply a First Aid trained operative qualified to a minimum of Emergency First Aid at Work status for the duration of the works.
In the event of an emergency **STOP WORK**, make safe, call first aider, inform the supervisor/ site call emergency services (999)

First Aid

- The principal contractor will have first aiders on site (Min 3 day)
- The STD site manager/ Supervisor will be first aid trained (Min 3 day)
- At least one first aider will be on site at all times during the working day
- A suitable first aid box will be on site (Size dependant on amount of resource on site)
- The name/names of the first aider/aiders and procedures will be communicated during induction
- Notices regarding the first aider and first aid box location will be posted on site (Welfare area & office)

13.0 Rescue Arrangements

St Demolition will provide a suitable & sufficient rescue plan when required to cover operations such as high-level working from MEWPS and site-specific tasks that may be deemed high risk.

These action plans will be provided as a separate document to this method statement and will be produced by the ST Demolition Site Supervisor.

The action plans will contain all relevant information such as first aid requirements, emergency numbers, sequence of rescue etc.

4.0 No Person Zones & Segregation

ST Demolition will set up designated no person zones of an appropriate size based on the demolition & strip out works. This will be discussed between the Site Supervisor, Site agent then relayed to operatives via a site toolbox talk.

An exclusion zone will be established for each area as per the guidance below and drawings provided using Heras fencing as indicated with the red dotted line.

During the asbestos removal and soft strip phases the fence will be kept close to the building.
When the demolition begins, the exclusion zone will be moved out to accommodate the demolition excavator.

Exclusion zones will be communicated to all teams during early morning activity briefings, further toolbox talks may be given and recorded.

The exclusion zone design is shown in the drawing provided labelled including the following:

- Designed drop area (yellow boundary)
- Predicted debris area (blue boundary)
- Buffer area (red dashed exclusion zone boundary)

Dust suppression should only be used from outside of this boundary at first if it requires an operative to operate it during the demolition.

If it can be activated/deactivated while the works are stopped then it can be stationed within the buffer area and only accessed by operatives once area has been made safe to enter.

As the demolition progresses, the boundary can be reduced in line with the height of the structure and exclusion zone of the excavator's working area.

Amber Safe Zone - This zone will only allow authorised demolition operatives to work within it for demolition tasks such as maintaining dust suppression or segregating waste streams.

If anyone is required to enter the exclusion zone, then they must contact the appointed banksman/exclusion zone supervisor and request permission to enter.

The banksman will then contact the excavator operator (either via 2-way radio or through hand signals) and stop the works.

Only once the operator has made the structure safe and told the banksman that the zone is safe to enter will anyone be allowed in.

Anyone entering an exclusion zone must be escorted by the banksman and will not be allowed to enter the predicted debris area.

Anyone entering the exclusion zone will only be allowed to temporarily to such as to pass through into another area (alternative routes should always be provided where practically possible).

As the predicted debris area is reduced in line with demolition, a safe working space (amber zone) will be created.

This zone will only allow authorised demolition operatives to work within it for demolition tasks such as maintaining dust suppression or segregating waste streams.

15.0 Welfare

Welfare Arrangements	Temporary site setup which will include the following. • Office • Canteen • Drying Room • Toilets

Provided By	ST Demolition & Groundwork Ltd			
Location of Facilities	At the main entrance to the site located off the access road.			
Additional Comments:	Compound will also include parking for site staff during the works.			
FACILITY PROVIDED BY	**CLIENT**	**STD**	**PC**	**N/A**
Canteen	-	✓	-	-
Sufficient chairs & tables	-	✓	-	-
Toilet's male	-	✓	-	-
Toilet's female	-	✓	-	-
Drying room	-	✓	-	-
Storage for plant & materials	-	✓	-	-
Microwave	-	✓	-	-
Kettle	-	✓	-	-
Hot & cold running water	-	✓	-	-
Washing facilities	-	✓	-	-
Changing room	-	✓	-	-
Heating	-	✓	-	-

16.0 Dust

There will be dust related issues during demolition & Strip out works, this will be counteracted through the use of water suppression and dust extraction units including open windows. Operatives will agree exact method when on site.

Piles of spoil will be kept dampened during demolition works to prevent dust clouds from forming and spreading through working area.

17.0 Working at Height

All operatives have received working at height, access tower and associated access equipment training. Only trained & authorised operatives will access & use working at height equipment as listed below.

Does task require works at height?	Yes	Platform Hight – 5m
Height of Void Spaces	N/A	
Access Equipment	MEWP (Scissor Lift) MEWP (Boom) Mobile Tower Step Ladders	
If 'stepladders' are to be used – state reason:	*If steps are to be used it will be for short duration where other platforms can't be utilised.*	
Fixed Scaffolding	N/A	

18.0 Confined Space

N/A

19.0 Lifting Operations

The main scope of works for lifting operations will involve the movement of materials with the use of manual handling including team lifting, pallet trucks and using site plant equipment including excavator and telehandler and dumpers.

The nominated lifting supervisor on site will be – Alex Ross & Elliott Toner

All personnel involved in lifting operations have received training and have the relevant skills, experience, and knowledge in addition to their training qualifications.

20.0 Noise

Noise on site will be kept to a minimum where practicable.

Noisy works are to be kept below 85db

Any works above 85db - an alternative method of working will be proposed by the STD site manager/ Supervisor.

Equipment will be checked for noise readings prior to use and adequate hearing protection provided for the task. All operatives will wear the hearing protection during noise related tasks.

Periodic & random noise testing will be carried out by the companies Health & Safety officer.

21.0 Vibration

Operatives will adhere to vibration assessments on the time scales for using any equipment provided. Assessments will be completed and held on file.

Vibration on site will be kept to a minimum where practicable.

Where vibrating hand tools are used, the STD site Manager/ Supervisor will produce and record hand arm vibration.

Annual hand arm and whole-body assessments are carried out by the company as part of their occupational health screening programme.

22.0 Drop Prevention

A dropped object is any item that is, or could be, dropped from a height that has the potential to cause harm.

- When works are being carried out areas are to be isolated as 'no person zones'.
- Scaffolding will be fitted with toe boards and brick guards
- Tool used during the works should be tethered

- Materials and tools removed from the areas as works progress and on completion of each shift.
- Tool stored during the works must not be within 2m of the edge
- The handrail installed on the ground floor will be a triple handrail to 3 sides.

23.0 Waste Treatment

All waste will be removed by company vehicles or 3rd party waste contractor vehicles and taken to an authorised Recycling Facility.

How is waste being removed from site	Tipper Wagons / Skips
Waste to be recycled	Timber Skip Glass Skip Metal Skip

Excluding any hazardous materials aggregate waste generated during these works will not be removed as it will be processed, tested, and reused on site, minimising the environmental impact of the project and promoting sustainable practices.

Asbestos Waste Skip or Transfer	Waste Skip
Location & Security Arrangements	Skip will be lidded and lockable
Name of Waste Contractor	Waste Wave Ltd Whites Farm Wilton Lane Warrington, WA3 4BA
Contact Details	07493 351448
Final Destination for Waste	TBC

Environmental Operatives have been trained in environmental control issues and will comply with the companies Environmental Policy at all times.

All waste materials will be removed and disposed of in line with current legislative requirements by an authorised waste transfer station. The use of skips will be agreed by ST Demolition Site Supervisors and client prior to works commencing.

24.0 Structural Works & Advice

All structural advice and drawings will be provided by the Site Agent from the appointed Structural engineers.

Any alterations or amendments must be checked with the Site Agent before continuing with works and drawings issued are to be logged.

25.0 Preliminary Works

The client will provide Information as to the type and condition of the building and the possible location of any existing utility services in the working area.

Isolation certification will be provided to ST Demolition Site Supervisors by client prior to works commencing. Full-service isolation within the building has been completed.

F10 Documentation will be provided to ST Demolition Site Supervisors by the client.

26.0 Existing Services

The client will provide all relevant information including any drawings, isolation certification and associated documentation to the ST Demolition Site Supervisor prior to works commencing.

Are there specific isolations required?	Yes	
Will any services remain live?	No	**Note unless proof of isolation has been provided services are to be assumed LIVE and must not be removed**

- Full-service drawings required from the client
- All services are to be isolated or diverted prior to commencement of any works.
- Isolations/ diversions are to be conducted by trained persons only.
- Records of isolation/ diversion are to be recorded and available.

HOLD POINT

If unchartered services are suspected during any activity the procedures are

- Stop work.
- Make safe.
- Secure the area.
- Inform the STD site manager/ supervisor.
- Form an exclusion zone.
- Conduct a toolbox talk.
- Engage specialist and trained persons/ organisations to confirm service status.
- Engage specialist and trained persons/ organisations to isolate/ divert services found.

27.0 Site Rules

- No smoking including e-cigarettes are allowed near/in internal areas but will be permitted outside on the site grounds.
- Designated mess area to be used for breaks and lunches etc.
- Keep Welfare Facilities clean and tidy at all times.
- Adhere to all existing 'Fire and Evacuation' on-site instructions and procedures.
- Additional client site rules will be discussed during the site induction provided by Site Agent.

28.0 Sub-Contractors

All sub-contractors will be vetted prior to use by ST Demolition Management, copies of essential documents will be received and stored on file.

Sub-Contractor names will be provided to client prior to arrival to allow time for site inductions and to be added to access list for site.

Sub-Contractor Name – Telephone – (Capacity)
LAR Ltd – 0161 947 9628 – Licenced Asbestos Removal Contractor

29.0 Control of Substances Hazardous to Health (COSHH)

The Company will obtain safety data sheets & material data sheets for all materials used during works and COSHH assessments will be carried out on specific task duties as and when required. All operatives have received COSHH related training and will comply with all requirements

								
Corrosive	**Oxidising**	**Highly Flammable**	**Very Toxic**	**Explosive**	**Dangerous for the Environment**	**Irritant**	**Serious & prolonged health effects**	**Compressed Gas**

30.0 Area Specific Work Methods

General Strip Out & Demolition Process of Works		
Item No & Location	Item 01 – Demolition of Internals & Levelling	
Description of Work	Proceed with dismantling the internal structures located in Building 5 based on the provided sequencing drawings. This task involves removing the stockpiled materials, old kilns, and levelling the surfaces before conducting asbestos cement removal.	
Photos		
		

Process of Works

Preliminary Works

- Complete and sign dynamic risk assessment at start of project and update in the event of any significant changes.
- Ensure provision for waste has been set up.
- Supervisor to take photos of area prior to commencing works and upload within the Dropbox job folder.
- Ensure the isolations set out above have been carried out and certificate of isolation has been received.
- Cordoned off with barrier tape & warning signs
- If any asbestos containing materials (ACM's) remain within the building that could be affected by the work, the supervisor will identify them on the refurbishment survey.

Demolition of Internals

- Exclusion zones are to be implemented as per the guidance above.
- Ensure that the excavator operator is competent in handling the equipment and follows all safety procedures.

- Use the excavator and grab attachment to begin demolishing the structure, starting at the top and working down.
- Separate the removed materials into salvageable materials that can be reused and waste materials for disposal.
- Use water to control dust and suppress any potential fires that may occur.
- The excavator will continue to work through the building in this way until it reaches the far gable end.
- Load the waste materials into to dumpers to be relocated and sorted or into the appropriate skip for disposal or recycling
- Level the area in preparation for the asbestos removal works by backfilling with demolition material and compacting it to prevent any unevenness.

Site Clerance / Demobilisation

- Ensure all work areas are left clean and tidy, removing any debris, and ensuring all equipment and materials are safely stored away.

- Conduct a final inspection before signing off on the work to ensure that the clearance or strip out has been completed to a satisfactory level.

<table>
<tr><th colspan="4">Asbestos Removal Process of Works</th></tr>
<tr><td>Item No & Location</td><td colspan="3">02 – Asbestos Cement Removal</td></tr>
<tr><td>Description of Work</td><td colspan="3">This process outlines the methodology for safely removing asbestos cement materials across the site, including loose materials and roofing sheets that are still in use.

• Identify and remove loose materials in various areas of the site
• Carry out safe removal of asbestos cement sheets from the main building's roof.</td></tr>
<tr><td>Photos</td><td colspan="3"> 
 </td></tr>
<tr><td rowspan="2">Classification of Works</td><td colspan="2">Notifiable Non-Licenced Works</td><td>✗</td></tr>
<tr><td colspan="2">Non-Licenced Work</td><td>✓</td></tr>
<tr><td>Justification if Work Deemed Non-Licensed or NNLW:</td><td colspan="3">The work is not considered to be "licensable work with asbestos" as defined by Regulation 2(1) because:

• Exposure to employees will be 'sporadic and of low intensity'
• This assessment clearly demonstrates the work will not exceed the control limit.

The works meets the following conditions:

• It is a removal task, where the ACMs are in reasonable condition and are not being deliberately broken up, and the asbestos fibres are firmly contained within a matrix, eg the asbestos is coated, covered or contained within another material, such as cement, paint or plastic; or</td></tr>
<tr><td></td><td colspan="2">Asbestos Insulating Board (AIB)</td><td>✗</td></tr>
</table>

Type (Form) of Asbestos Containing Product:	Gaskets / Rope	✗
	Asbestos Cement Products	✓
	Floor Tiles	✗
	Textured Coatings	✗
Quantity & Extent of Asbestos	Approximately 5000 M2	
Waste Transit Route		
Will Waste Route have an impact on other site users:	No	
If 'Yes' State Control Measures:	Client to inform all relevant site staff of the waste route location, STD to erect signage.	
What RPE/PPE requirements will apply for the bag run to skip:	Sundstrom SR100 (Orinasal), Blues Overalls - Preliminary Decontamination	
Will a sealed wheelie bin be used to transport the waste to the skip?	N/A	
Control Measures		
State surfactant and dilution to be used:	1 Part Astrip Wetting Agent, 10 Parts Water	
Type of controlled wetting & method of application:	Liberally spray with diluted surfactant using hand operated sprayers and allow adequate time to soak. Liberally spray with diluted PVA (1-part PVA, 5 parts water) using hand operated sprayers and allow adequate time to dry.	
Wetting time and indicator of saturation:	**Spraying**: Liberally spray ensuring sufficient coverage of all areas. Oversaturation should be avoided to prevent slip risk. Adequate time should be allowed. The wetting time required will be assessed by the supervisor and a good indicator of suitable saturation will be colour changing (i.e. darkening of the asbestos product).	
Additional measures to minimise fibre release:	Once sufficiently wetted remove whilst adopting shadow vacuuming techniques – Class 'H' filtered vacuum cleaners.	
PPE & RPE		
Respirator requirements within working area (Respirator Zone):	Sundstrom SR100 (Orinasal)	
Specify Type & Colour of Overalls for Removal:	Blue - Type 5 Category 3	
Air Monitoring Arrangements		
Type of Monitoring Required:	Personal Monitoring Reassurance Monitoring	
Name of Appointed Analyst:	North Star Environmental Ltd	
Process of Works		

Preliminary Works

- ST Demolition is to isolate the work area and waste route to restrict access to authorised personnel; warning / safety signs to be erected to indicate this, the work area and waste route will also be identified as a respirator zone.

- All asbestos waste skips must be lidded and lockable and must remain locked at all times when not being used. Skips should display suitable and sufficient warning signage.

- During the works blue overalls are to be always worn with P3 respirators, when leaving a work area peel off blue disposable overalls, carefully rolling them inside out. Put them in a suitable RED asbestos waste bag. Wipe clean respirator with the use of damp rags / wipes and removed pre-filtered where required. Once thoroughly clean, cap filter and place RPE in approved container. RPE is checked by the wearer before and after it is used to make sure that it is free from contamination and has not been damaged

Controlled Dust Suppression Techniques & Removal

- All waste generated during the process of works set out below will be either double bagged within red and clear UN approved waste sacks. Waste will be placed into red bags which will then be sealed each red bag will then be placed into a clear to double bag the waste before it is placed into the skip. Any larger waste will be wrapped in polythene and marked with a red asbestos sack.

<u>Removal of Loose Sheet & Debris</u>

- Carry out a thorough visual inspection of the area to identify loose sheet and debris
- Asbestos cement will be sprayed with surfactant then hand picked and placed within waste sacks for disposal.
- Once surface level removal has been carried out smaller excavators will be used to spread any material allowing further visual inspection and removal to be completed.
- Ensure when using the excavator, the appropriate exclusions zones are in place.
- This process will be repeated on various areas of the site.

<u>Roof Sheet Removal</u>



- Skips will be located within the area and will be exchanged on a regular basis as the works progress. Skips will be lined with polythene allowing them to be sealed up on completion of the being loaded.
- Starting from one end of the building, 2 teams of operatives using 2 scissors lifts will remove sheers.
- Water sprays will be used to dampen the sheets and minimise fibre release.
- To remove the sheets all bolts' fixings will be cropped using long handled bolt crops. Once all bolts are cropped the sheets can be easily removed sheets will be removed without having to break them, sheets to be removed one at a time, loaded into the scissor lift and lowered to the ground.
- Care to be taken not to overload the scissor lifts of its SWL.
- As the sheets are removed, the telehandler operator will attend each scissor lift one at a time.
- With the lift fully lowered, the operative within the scissor lift will communicate to the telehandler operator until he is in a good position.

- Once in position telehandler forks which will be raised up below the handrail and close to the scissor lift. The sheets can then be safely lifted then stacked on to the forks a few at a time.
- The telehandler operator will then take the sheets to the loading area and place them into the waiting skips ready for disposal.
- Work will progress in this sequence across the roof until all sheets have been removed.

- Following the removal and once all waste has been removed from the immediate area will be subject to a thorough fine clean using class 'h' filtered vacuum cleaners and 'tac' rags to remove dust and debris that may have settled or become attached to every possible surface.

Carry Out Final Clean and Supervisor Visual Inspection

- Once all the removal works are complete the area will be subjected to a final check and wipe down, this will also include the decontamination and cleaning of any equipment, tools and access equipment etc.

Air Monitoring

- Following a satisfactory visual inspection the analyst will be instructed to commence the air monitoring as specified above.

General Strip Out & Demolition Process of Works		
Item No & Location	03 – Steel Frame Building, Slabs & Foundations	
Description of Work	After all internal structures have been removed and asbestos-containing materials have been safely removed and disposed of, proceed with demolishing the remaining steel frame building, including slabs and foundations.	
Photos		
		

Process of Works

Preliminary Works

- Complete and sign dynamic risk assessment at start of project and update in the event of any significant changes.
- Ensure provision for waste has been set up.
- Supervisor to take photos of area prior to commencing works and upload within the Dropbox job folder.
- Ensure the isolations set out above have been carried out and certificate of isolation has been received.
- Cordoned off with barrier tape & warning signs
- If any asbestos containing materials (ACM's) remain within the building that could be affected by the work, the supervisor will identify them on the refurbishment survey.

Demolition

- Having removed the asbestos and soft stripped the structures, demolition will commence.
- The building is steel framed with internal brick walls
- Demolition will commence from the gable end shown below in the direction of the arrows.
- Demolition will be carried out in a "bay by bay" sequence working towards the opposite end of the building.
- The brick walls at the first gable will be peeled outwards working from the top down.

- The excavator's shear attachment will be used to cut into the roof structure starting with the purlins and then the trusses.
- It will then work down the columns to their base before starting on the mezzanine floor.
- The excavators will continue to work through the building in this way until it reaches the far gable end.
- It will carefully pull the last bay towards itself while tracking backwards to control it to the ground.



Removal of Slabs & Foundations

Cat Scanning And Permits.

- The supervisor will obtain any utility drawings of the excavation area that are available from the client.
- The ground will be scanned by a trained and competent CAT and Genny operator in accordance with the operational guidance using recently calibrated equipment.
- The site manager will create a permit to dig obtain a permit to dig from site manager before breaking ground.
- Once all services have been proven, site manager will sign off the permit to dig for mechanical excavation. The ground will be re-scanned down to a max depth of 1.5m. below this depth no manned entry is permitted.
- The site manager will then undertake a review of the available utility information and a CAT and Genny survey.
- The CAT and Gennie exercise will be undertaken by a suitably qualified operative.
- If trial holes for buried services are required these will be dug by STD operatives using insulated tools to identify the location of such services.

HOLD POINT
No Utility Drawings/ No Cat Scan – No Breaking Ground

- The excavator operator will use his hydraulic breaker attachment to break the slab and fail the same.
- The operator will work from the top of the slab back towards himself and breaking from left to right.
- When the slab is failed the operator will then attach a toothed bucket and remove the failed slab.

- The removed slab will be placed to one side.
- Further processed, the rebar removed, processed material stockpiled, and rebar placed into skips
- The removal of the slab will expose the foundations which are to be removed.
- The breaker attachment will be reattached to the excavator and the ring beam/ foundations failed.
- The toothed bucket attachment will be reattached, and the failed sections of ring beam/ foundations will be removed and placed in a pile ready to be processed as described above. This activity will expose the pile caps.

Site Clerance / Demobilisation

- Ensure all work areas are left clean and tidy, removing any debris, and ensuring all equipment and materials are safely stored away.

- Conduct a final inspection before signing off on the work to ensure that the clearance or strip out has been completed to a satisfactory level.

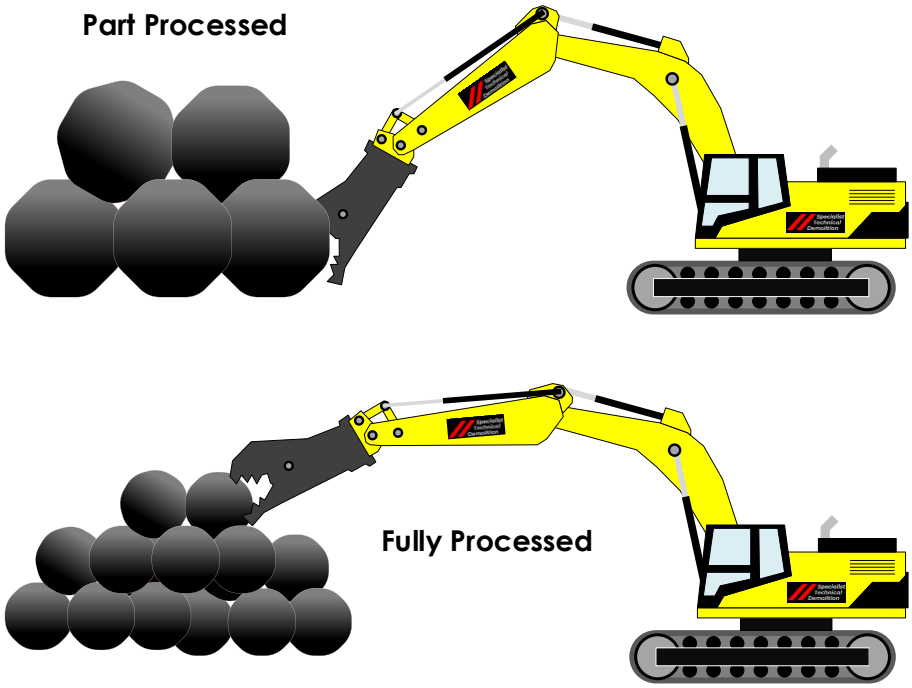
General Strip Out & Demolition Process of Works	
Item No & Location	04 – General Processing Material on Site
Description of Work	Excluding any hazardous materials aggregate waste generated during these works will not be removed as it will be processed, tested, and reused on site, minimising the environmental impact of the project and promoting sustainable practices.

Process of Works

- Complete and sign dynamic risk assessment at start of project and update in the event of any significant changes.
- Create a processing area on the site using heras fencing and vehicle gates

Processing Waste

- Excavator operators and banksman will have been made aware of the processing activities and approved exclusion zones.
- 40yrd RORO skips will be positioned close to the processing area.
- With banksman in agreed safe positions and following a two-way radio check, the dust suppression equipment engaged, processing of the existing materials will commence.
- The excavators will use toothed buckets to sift through the existing material to be processed.
- Sifting will allow the operators to separate the existing material into individual waste streams.
- The operator of the excavator will remove the RC to be processed and place to one side.
- Using the hydraulic pulveriser fitted to the excavator the experienced operator of the excavator will size reduce the RC.



- During the size reduction operation, the reinforcement bar (rebar) will be released/ exposed.
- Further processing will fully release the rebar and reduce the concrete to a size that will fit into a wagon easily.
- The removed rebar will 'balled' by the excavator operator using the attached
- pulveriser to allow it to be placed into scrap skips (40yrd RORO)
- The 'balled' rebar will be placed into the RORO skip then taken off site when full
- (1st thing in the morning when no processing operations are taking place)
- The fully processed material will be placed into the crushing stockpile area.

Crushing of Hardcore Using Mobile Crusher:

- Conduct pre-start safety checks, including inspection of the equipment, and ensure all safety guards and devices are in place and operational
- Identify and mark the designated areas for crushing and ensure they are clear of personnel and other equipment
- All suitable hard materials including tarmac will be crushed to 6F2 grading.
- Position the mobile concrete crusher at the designated area and secure it in place
- Load the processed materials onto the crusher's hopper using a compatible loader or excavator
- Start the crusher's engine and operate it at the designated speed and settings
- Monitor and control the crushing process, adjusting the settings as necessary to achieve the targeted grain size and consistency
- As the materials are crushed, discharge them onto the intended location.
- Regularly inspect the crusher and its components during operation, and take any necessary preventive measures to avoid any unit malfunctioning or downtime
- After use, turn off the engine and ensure the crusher is left in a safe and secure position.



- Crushed material will then be transferred using wagons to agreed locations on the site ready for re use.
- Asbestos testing will be carried out on any crush material minimum of 1 for ever 500M^3

Overall, the demolition process should be carried out safely, efficiently, and with a focus on reducing waste and increasing recycling. Proper identification, separation, and disposal of different waste streams are crucial to minimise the environmental impacts of the demolition activities.

General Strip Out & Demolition Process of Works		
Item No & Location	Item 05 – Removal of Slate Roof Tiles	
Description of Work	Carry out the safe removal of slat roof tiles to the red brick building, tiles are to be carefully removed palletised and ready for salvage.	
Photos		

Process of Works

Preliminary Works

- Complete and sign dynamic risk assessment at start of project and update in the event of any significant changes.
- Ensure provision for waste has been set up.
- Supervisor to take photos of area prior to commencing works and upload within the Dropbox job folder.
- Cordoned off with barrier tape & warning signs
- If any asbestos containing materials (ACM's) remain within the building that could be affected by the work, the supervisor will identify them on the refurbishment survey.

Identification & documentation of Slate Roof Tiles

- Identify the type and amount of roof tiles that will be removed and document it for future reference.

Accessing the Roof with a MEWP

- Prepare a MEWP (Mobile Elevated Work Platform) suitable for the worksite and assess whether the slope of the roof is safe for the MEWP to operate.
- Ensure Dily checks have been completed prior to use
- Ascend the MEWP and approach the tiles that need to be removed to attach straps for lifting.

Removing Slate Roof Tiles

- Use a suitable tool such as a tile cropper or slate ripper to loosen the tiles from the roof. Carefully remove the tiles one by one taking care not to damage them.
- The slate tiles will be stacked on the MEWP ensuring the SWL is not exceeded. The tiles will then be passed from the MEWP to an operative on the ground
- Place the tiles onto the designated pallet ready for transport and/or storage.
- Repeat this process for each section of the roof until all the desired tiles are removed.

Palletising of Removed Tiles



- Stack the removed tiles evenly into rows onto pallets, ensuring that there is no overhang or excess weight on the pallets.
- Wrap or tightly strap the pallets for transport to its final destination.

Overall, the removal of slate roof tiles requires a considerable amount of care and attention to detail. The use of MEWP equipment allows for safe access to the roof area. It is essential to remember that proper documentation of the tiles removed is necessary, and the pallets of tiles are strapped and packaged safely before transport.

Site Clerance / Demobilisation

- Ensure all work areas are left clean and tidy, removing any debris, and ensuring all equipment and materials are safely stored away.
- Conduct a final inspection before signing off on the work to ensure that the clearance or strip out has been completed to a satisfactory level.

General Strip Out & Demolition Process of Works		
Item No & Location	06 – Brick Buildings – 2, 3, 4a & 4b	
Description of Work	After all internal items have been removed, slate roof tiles and asbestos-containing materials have been safely removed and disposed of, proceed with demolishing the remaining brick building, including slabs and foundations.	
Photos		

Process of Works

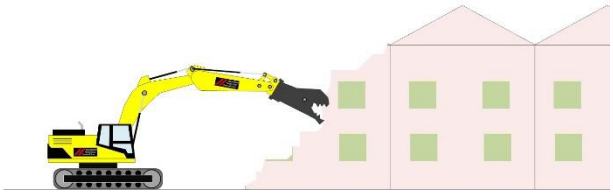
Preliminary Works

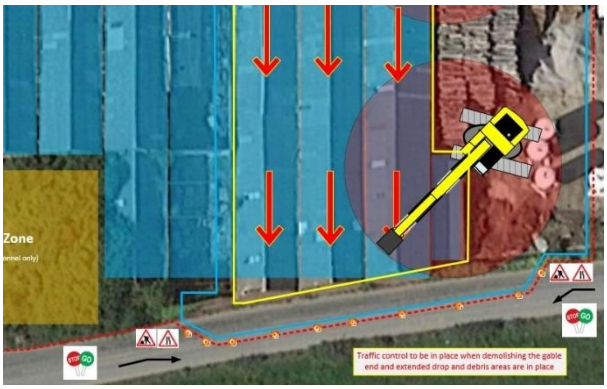
- Complete and sign dynamic risk assessment at start of project and update in the event of any significant changes.
- Ensure provision for waste has been set up.
- Supervisor to take photos of area prior to commencing works and upload within the Dropbox job folder.
- Ensure the isolations set out above have been carried out and certificate of isolation has been received.
- Cordoned off with barrier tape & warning signs
- Ensure exclusion zones have been set out as described above and shown on the drawing provided, these will be adjusted as the works progress.



Dismantling of the Building

- Having removed the asbestos and soft stripped the structures, demolition will commence.
- The building brick built with pitched roof split into 25 bays across the length of the site.
- The brick walls at the first gable will be peeled outwards working from the top down.
- Commence the demolition works by dismantling the brick building from the top to bottom using an excavator with grab attachment.
- Demolition will commence from the gable end shown below in the direction of the arrows.
- Demolition will be carried out in a "bay by bay" sequence working from front to back of each bay across the length of the site.
- Care should be taken to avoid damaging adjacent buildings, services, or structures.
- The debris should be dropped onto a designated demolition waste pile.
- The excavators will continue to work through the building in this way until it reaches the far gable end.
- Prior to commencing demolition on the far end of the building ensure exclusion zones have been adjust and ain place.
- Traffic control to be in place when demolishing the gable end and extended drop and debris areas are in place
- The far end of the building (closest to the road) will carefully pull the last bay towards itself while tracking backwards to control it to the ground.
- Traffic control and management will moved along the length oft the building when carrying out this element of the works.





Sorting and Separating Waste Materials

- Sort and separate the demolition waste into different waste streams on the designated demolition waste pile. These streams may include brick, concrete, timber, metal, plastics, and non-recyclable waste.
- The operator should ensure that the waste streams are being separated as accurately as possible.
- Any reusable or recyclable materials should be kept separate from non-recyclable materials.

Removal of Slabs & Foundations

Cat Scanning And Permits.

- The supervisor will obtain any utility drawings of the excavation area that are available from the client.
- The ground will be scanned by a trained and competent CAT and Genny operator in accordance with the operational guidance using recently calibrated equipment.
- The site manager will create a permit to dig obtain a permit to dig from site manager before breaking ground.
- Once all services have been proven, site manager will sign off the permit to dig for mechanical excavation. The ground will be re-scanned down to a max depth of 1.5m. below this depth no manned entry is permitted.
- The site manager will then undertake a review of the available utility information and a CAT and Genny

survey.

- The CAT and Gennie exercise will be undertaken by a suitably qualified operative.
- If trial holes for buried services are required these will be dug by STD operatives using insulated tools to identify the location of such services.

HOLD POINT

No Utility Drawings/ No Cat Scan – No Breaking Ground

- The excavator operator will use his hydraulic breaker attachment to break the slab and fail the same.
- The operator will work from the top of the slab back towards himself and breaking from left to right.
- When the slab is failed the operator will then attach a toothed bucket and remove the failed slab.
- The removed slab will be placed to one side.
- Further processed, the rebar removed, processed material stockpiled, and rebar placed into skips
- The removal of the slab will expose the foundations which are to be removed.
- The breaker attachment will be reattached to the excavator and the ring beam/ foundations failed.
- The toothed bucket attachment will be reattached, and the failed sections of ring beam/ foundations will be removed and placed in a pile ready to be processed as described above. This activity will expose the pile caps.

Site Clerance / Demobilisation

- Ensure all work areas are left clean and tidy, removing any debris, and ensuring all equipment and materials are safely stored away.

- Conduct a final inspection before signing off on the work to ensure that the clearance or strip out has been completed to a satisfactory level.

General Strip Out & Demolition Process of Works		
Item No & Location	07 – Levelling of the Site	
Description of Work	Following the demolition and removal of waste site will be levelled in preparation for the final hand over..	
Example Photos		

Process of Works

Preliminary Works

- Conduct a site safety assessment to ensure that the site is safe for levelling works.
- Establish control measures such as fencing and signage
- Ensure that all personnel involved in the levelling works are trained on health and safety procedures, including the use of personal protective equipment.
- Complete and sign dynamic risk assessment at start of project and update in the event of any significant changes.

Clearing the Site

- Remove any remaining debris or waste from the demolition activities, including any slabs or foundations.
- Transport any waste to the designated disposal area.

Surveying the Site

- Conduct a survey to determine the extent of the area that requires levelling.
- Establish the specific level or height to which the surface must be levelled.
- Make use of a laser level or traditional spirit level to ensure an accurate level of the surface.

Excavation

- Use an excavator to begin the levelling process.
- Excavate from high points towards the lower points, removing any excess soil or rocks in the way.
- Ensure that the surface level is correct and the slope is graded to allow for water flow.
- Use an excavator bucket and blade to carefully move soil from higher to lower areas to fill in depressions to achieve an even surface.

Compaction

- Ensure that the ground is appropriately prepared for compaction.
- Run appropriate machinery such as a roller compactor over the surface to compact the soil to achieve the desired densities.
- Repeat the process if necessary to ensure the surface is successfully compacted.

Finishing of the Site

- Finalise the levelling work by checking that the entire surface meets the required levels.

Site Clerance / Demobilisation

- Ensure all work areas are left clean and tidy, removing any debris, and ensuring all equipment and materials are safely stored away.

- Conduct a final inspection before signing off on the work to ensure that the clearance or strip out has been completed to a satisfactory level.

Overall, the ground levelling process requires the proper use of an excavator as it delivers accuracy in the grading and levelling of the soil. It is crucial to keep a balance between removing excess soil and ensuring that the surface level is achieved. Regular checking during the excavation process ensures that the required levels are maintained during the entire excavation process.

31.0 Site Briefing Signature Sheet

By signing this document, you are confirming that you have read this plan of work and that your contract manager/supervisor has carried out a full briefing or communicated the information contained within. In doing so, has effectively communicated its contents to you in a way which you understand the task and what is required of you on this project, you understand this plan of work, the full extent of your duties and the required PPE & RPE required when working on this project.

You shall not deviate from this plan of work under any circumstances, unless given a task specific briefing by your Supervisor, and there after all revised working methods have been carefully assessed and recorded on the amendments section of this document.

Should any site conditions change, or should unforeseen problems arise, you will stop works immediately and inform your contract manager/supervisor

Name (Print)	Signature	Date & Time