

HEALTH & SAFETY PLAN FOR DEMOLITION WORKS PACKAGE

ΑT

Brotherton Mill New Road, Johnshaven



Contract

SIGNATURES OF AUTHORISATION

Title Written by:	Name C. Stanners	Signature
Contract Supervisor	R. Morgan	
Director Approved:	D. Barr	

REVISION STATUS

	Revision:
Revision:	Date of Issue: 07/05/2021



Na	ture of Project	
•	Client	3
•	Demolition Contractor	3
•	Project Description	4
•	Location of Works	4
•	Site Plan	5
•	Programme of Work	5
•	Method Statement	6-12
•	Asbestos Survey	13
•	Environment	14
•	Hazards/Risks & Hazardous Substances	15-16
	Emergency Equipment	15
Ex • • • • •	isting Environment The Existing Site Public Access / Traffic Third Party Requirements Welfare Provisions Personal Protective Equipment Existing Services Health & Safety Training / Health Monitoring	17 17 17 17 17-18 19
<u>Cc</u>	Procedures for Monitoring Health & Safety Health & Safety Plan Unforeseen Eventualities Accident Reporting and Investigation Hand Over arrangements Emergency Procedures Accident & Emergency Arrangements	19 19 19 19 20 20
AF	PENDICES	21
Ap	pendix 1 – Risk Assessments pendix 2 – Site Drawings pendix 3 – Explanation of Method Form	22 23 24



INTRODUCTION

This plan has been prepared in accordance with the Construction (Design and Management) Regulations 2015. Barr Demolition will ensure the on-going development of the Plan during the works phase and that all necessary amendments are logged timeously within this Plan, with all relevant parties copied in on all amendments.

The works, subject of this Plan of Work, will accord with the following legislation, as appropriate:

- British Standard Code of Practice for Demolition 6187: 2011 a)
- b) Health and Safety at Work Act 1974
- The Control of Asbestos Regulations 2012 c)
- Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013 (RIDDOR) d)
- The Manual Handling Operations Regulations 1992 (Amended 2002) e)
- The Health & Safety (First Aid) Regulations 1981 f)
- g) The Management of Health and Safety at Work Regulations 1999
- h) The Lifting Operations and Lifting Equipment Regulations 1998
- The Provision and Use of Work Equipment Regulations 1998
- i) j) The Personal Protective Equipment at Work Regulations 1992
- k) The Construction (Design and Management) (CDM) Regulations 2015

Client	Mrs Kathleen Davidson Brotherton Mill New Road Johnshaven DD10 0HD Mobile No: 07522546664
Principal Designer	N/A
Principal	BARR Demolition Limited
Contractor	Old Station Buildings Station Road,
	Drumlithie
	Aberdeenshire
	AB39 3YT
	Contact: Duncan Barr
	Tel. 01224 213639 / Mob.07788 310888
	Email. dbarr@barrdemolition.com
Sub-Contractors	N/A



Project Description/Scope	The works comprise the compliant demolition of former Mill Buildings which has suffered a roof collapse	
Location	The site is located off New Road in the village of Johnshaven	
Surrounding Area	There Building sits within its own site with residential properties on the southern elevation NOTE social distancing to be applied at all times in relation to COVID-19	
	Protection Measures will be utilised as follows	
	 Vehicular access via agreed routes with sited secured by Heras Security Fencing & warning signs, Demolition in Progress, Keep Out, etc placed at entry points. Vehicle Movements controlled by banksman Live Services – Barr Demolition to confirm isolations have been completed by the Client pre-start. 	
	Access to the site is restricted to the following times:	
	 No Deliveries / Uplifts or Vehicular movement out-with 08.00 and 18.00 Pedestrian footpaths and local road traffic - Banksmen will be used for access and ingress to site of contractor vehicles. 	
	Dust Mitigation	
	 Dust suppression measures by manually operated fire hoses, water jetting during structural down-takings & periodical damping down of demolition zone & rubble piles, where required. 	



Site Location



Buildings to be Demolished

Programme of Work

Programme of works to be 6 weeks Start date TBC

Working Hours - 07.30 - 18.00 Monday to Thursday 07.30 - 15.30 Friday 08.00 - 13.00 Saturday



DEMOLITION METHOD STATEMENT

DEMOLITION METHOD STATEMENT		
Personnel:	Duncan Barr Director 07788 310888 Robert Morgan Contracts Supervisor 07584 799363 Kevin Main Safety Advisor (visiting) 07747 441615 1 Site Manager / Supervisor Director 07788 310888 07584 799363 07747 441615	
	The only person responsible for any changes to this method statement is the Director or Contract Manager . The Site Supervisor must liaise with the Director/Contract Manager.	
Plant & Equipment:	 Fire point (fire extinguishers & klaxon) 20t Demolition Spec 360o Excavators (equipped with selector grab processor & concrete pulverisor attachment) Demolition spec excavators include additional special features. These features include head guards and front guards to protect the cabin from falling debris, tilting cabs for improved operator viewpoint, cctv cameras & dust-suppression water jets located on the extended jib / arm plus a variety of specialist attachments including shears, concrete pulverisors and rotating selector grabs. MEWP (Scissor Lift) 40 Yard Skips 14m Forklift Tel-handler & Man-basket Oasis style welfare unit 	
Ambulance, Fire & Police:	999	
Contract Manager:	Mr Duncan Barr 07788 310888	
Nearest A & E Department:	Aberdeen Royal Infirmary (ARI) Forresterhill Road Aberdeen AB25 2ZN Tel: 0345 456 6000	
Client Site Representative: Client Safety Manager:	Mr G Davidson TBA	



Working at Height:	Work at Height to be undertaken form MEWP/Manbasket with operatives	
	secured by safety Harness, Personnel trained in the use of plant (IPAF)	
Structural Stability:	The reef on the main building has collapsed and will be machanically	
Otraotara Otability	The roof on the main building has collapsed and will be mechanically demolished.	
Site Access & Permit	Operatives will work to a Barr Demolition Working Permit	
to Work:	following the agreed method statement and also, Hot works permit	
	obtained from the Site Supervisor hot works to cease minimum	
	1 hour before end of shift (where required) (Supervisor to sign	
	personnel in/out) Prior to attending site all personnel to complete a	
	health check form advising if they or any members of their families	
	have had or have shown signs of COVID-19 all personnel will	
	have temperature taken and recorded at the beginning of the	
	shift by Supervisor using non-contact forehead thermometer	
	NOTE: anyone with a temperature above 37.7 degrees will be	
	denied access.	



Known Hazards:	COVID-19 refer to RA for specific social distancing measures	
	Plant	
	Slips, trips & falls	
	Manual handling	
	Adjoining Buildings.	
	• Noise	
	• Dust	
	Services	
	 Asbestos 	
	No known Asbestos, however a full Demolition Asbestos Survey to be	
	undertaken prior to works commencing, (to areas where deemed safe to do	
	so)	
Site Manager Pre-	 Establish exclusion zone as per site plan utilizing HERAS Security 	
works Checks	Fence	
	 Ensure services have been disconnected and written confirmation 	
	of same in Site File	
	 Ensure welfare unit operational. (Use of Facilities on Site COVID 	
	Compliant)	
	 Sign in/out book maintained by Supervisor. 	
	Banks-men are to monitor the works, positioned outside of	
	exclusion zone with a clear view of the works.	
	 Arrange for existing manholes etc to be protected during the works 	
	utilizing Heras fence, communicate same to all personnel at	
	Induction.	
	 Communicate to operatives the safe working zone for all Demolition 	
	Excavator & Access platforms etc.	



SITE RULES

- 1. All site operatives will undergo a Barr Demolition site induction.
- All site operatives will sign in (at the start) and out (at the end) of each working shift. The signing in book will be held in the Barr Welfare Unit.
- All work to be carried out under as per the Method Statement and associated Risk Assessments, in particular control measures in relation to COVID-19
- 4. All operatives to familiarise themselves with the content of each of the above documents and sign to confirm they have understood and will work in accordance with these documents.
- Operatives will wear the required PPE for each task, as provided But must wear a minimum of hard hat, hi-vis, safety boots & gloves at all times.
- 6. Operatives will conduct themselves in a professional manner at all times, and take reasonable care for their own health and safety and that of others who may be affected by their actions. This will include fellow operatives, the Client's representatives and consulting engineers.
- Operatives will work correctly with all work items provided by Barr Demolition, including PPE, in accordance with the training and instruction provided.
- 8. Operatives will not interfere with, or misuse anything provided for their health, safety and welfare.
- 9. Everybody has the right to challenge unsafe work.
- 10. Barr Demolition reserves the right to deny access to site to any individual suspected to be under the influence of any drugs or alcohol. Barr Demolition operate a random drug/alcohol testing regime.
- 11. A sweep of the site will be undertaken during our works and upon cessation of the day's works a walk-round will be undertaken to ensure no debris has left the site or any materials are likely to blow out-with the site any such materials will be lifted and placed in a skip which will be covered.
- 12. No radios are allowed on site.
- 13. The burning of any materials is prohibited.
- 14. Mobile phones should be left in secure locker at Security Gate and checked at rest periods.



Demolition Works

- Deliver to site 20t Demolition Spec Excavator, 12m MEWP and 14m Telehandler Forklift Truck.
- 16. Works will commence with operatives installing 6No acro-props to underside of timber lintel between Cast Columns to support the existing roof structure as below. To building on the south elevation adjacent to residential properties.



- 18. Demolition operatives working from certified man-basket secured by safety harness will then remove slates to roof working from the topmost point down with slates lowered to ground level and placed in boxes and subsequently removed from site.
- 19. Timber sarking will then be removed in a safe and progressive manner with timber removed to ground level and placed in timber skip and later removed from site.
- 20. Works will continue until slates and timber sarking to the front elevation have been removed.
- Operatives will decant from the work area and 20t demolition moved into position on the north elevation.
- 22. Excavator fitted with 360 rotating hydraulic grab attachment will then carefully remove roof trusses one at a time and place directly into timber skip, works continuing until all roof trusses on the North elevation have been removed.
- 23. Works to the south elevation of the structure will be repeated as 18-21 above until roof trusses are exposed.
- 24. Operatives working from tower scaffold erected by trained operatives will then commence hand reduction of rear wall, with wall reduced to window cill height with brickwork allowed to freefall into the building footprint, wall will be reduced in 2m wide sections. Operatives will work along and down wall to prevent uncontrolled collapse.
- 25. When 2m section has been reduced operatives to decant from work area and excavator fitted with grab attachment will then remove roof truss and place in timber skip.
- 26. Operatives and excavator will then repeat wall reduction as above and repeat until such times as the wall has been reduced completely along the rear elevation, with wall left at 900mm above existing slab level.
- 27. Operatives will then commence removing slates and timber trusses from the main mill building as detailed 18-22 above, with



slates and timber placed in appropriate skips boxes and continually removed from site. Area of collapsed roof will be left and remediated by demolition excavator see photograph below showing extent of roof collapse.



- 29. NOTE: No persons permitted to enter main mill building which has been subjected to a major collapse.
- 30. Upon completion of slate and timber sarking removal operatives will decant from the work area.
- 31. Demolition excavator will the commence demolition of Main Mill building working from the east elevation as shown below.



- 33. Excvator will commnce reducing the eastern gable working from the topmost point down and along strutture using 360o hydrulic grab attachemnt carefully reducing the brick/block work with materials set down in stocpile awaiting off site disposal. Works will continue until the gable has been reduced to eaves height.
- 34. Excavator will then remove first set of roof trusses and place in timber skip.



35. Excvator will then reduce remaining section of eastern gable to
existing slab level with materials placed in stockpile.

- 36. Excavator will then reduce side walls working from the topmost point down and along structure until such times as 2nd set of roof trusses are exposed, roof trusses will then be grabbed by excavator and placed in skip.
- 37. Once excavator exposes section of collapsed roof, remaining slates and timbers witinin the structure will be lifted clear, segregated and placed in skip awaiting off-site disposal.
- 38. Excavator will then repeat demolition process as above until such times as the structure has been reduced to slab level.
- 39. Rubble will then be loaded out into 8 wheel tippers and removed from site.
- 40. Operatives will then conduct a clean of the floor slab removing any debris leaving the site clean and tidy.

Site Hand Over	 41. Site Supervisor and Director to conduct a sweep of the site ensuring the works are complete. 42. Arrange a site meeting with the Client and conduct walk-round confirming all works are complete. 43. When agreed site will be handed over to Client. 44. Arrange for plant and equipment to be cleaned down using
	disinfectant wipes etc and removed from site. 45. When all paperwork becomes available compile Health & Safety File and pass to Client



Asbestos Survey	TBA
, lobottoo odi voy	1-7,



Environment

Barr Demolition's company policy is to limit the impact of our activities on the environment so that we prevent or minimise any harm, which may be caused by the nature of our work.

Particular attention shall be given to:-

- Perimeter dust monitoring.
- A vibration and noise reduction control programme, which will incorporate the use of methods and practices which will minimise nuisance.
- At all times minimise creation of dust nuisance during demolition operations, handling and transportation of all waste materials. All containers shall be totally enclosed or covered by nets/tarpaulins to prevent escape of dust or waste materials during loading and transfer from the individual demolition areas to authorised waste disposal centres.
- The controlled use of water shall be employed to assist in the reduction of dust emissions. Barr Demolition shall ensure that all wastes are contained in such a manner that they do not give rise to flooding or create nuisance outside the working area. In addition, systems are to be put in place to prevent demolition debris entering the site drainage, local sewer and river systems.
- Similar precautions are to be taken during the processing and crushing of demolition materials and placing of materials for filling of voids and removal of materials from Site.
- Waste materials, including empty containers, paper, waste or debris shall be placed in designated waste disposal skips sited around the individual demolition areas and prevented from being blown about the demolition zone and adjacent areas.
- Waste removed from the individual demolition areas shall be classified in accordance with the Environmental Protection Act 1990 and transfer documentation shall be authorised by Barr Demolition.
- The burning of rubbish or any other material is strictly prohibited.
- The existing surface water and foul water drains shall not be polluted with any substances produced by the demolition process. Contaminated discharges or spillages will not be allowed onto the adjacent land or into local watercourses.
- All fuels/oils associated with demolition plant shall be stored in bunded containers and regularly inspected.



Hazards & Risks & Hazardous Substances

All risks and residual hazards associated with the works will be identified, with the appropriate control measures, in the site construction file maintained by the site manager. This will include the MSDS data sheets provided by the client along with assurance control certificates detailing the decontamination service records. Any incidents and accidents no matter how minor will be immediately reported to the QSHE Department.

Barr Demolition's Risk Assessments will be carried out for each task and recorded on the Standard Form.

Risk Assessments will be carried out to identify all relevant significant risks associated with *every* task carried out on site and the appropriate control measures adopted and incorporated into the working method. It is the responsibility of the supervisor to ensure that prior to any work task being carried out a formal risk assessment and method statement and/or permit must be in place.

Risk Assessments will be carried out to identify and highlight particular risks associated with the plant area, local restrictions, hazards of adjacent live plant and infrastructure, and the risks inherent in the proposed demolition techniques.

The following work elements will require Risk Assessments and related Method Statements to be agreed by the client:

- COVID -19
- Demolition of Structures
- Plus as identified on page 9 Known Hazards

On site reviews will be required to identify unforeseen risks associated with the design as work progresses. The Barr Demolition Point of work risk assessments will be used by all employees including machine men.

Risk Assessments will form the basis of each method statement for each activity on site. It is the responsibility of Barr Demolition's management to ensure that these documents are in place for the supervisor to communicate to the workforce. This communication will be facilitated by each person reading the documents or having them read to them. Each individual worker will then sign the document to confirm they understand the task and the method of execution. It is the responsibility of that individual to carry out the work only in the prescribed manner and to bring to light any deficiencies or conflicting interests in the method.



Barr Demolition will produce all COSHH assessments for the project. Barr Demolition's procedure for Control of Hazardous Substances is detailed in HIMSP 304. A list of hazardous substances used by sub-contractors must also be kept, along with COSHH Assessments, which will be held with appropriate method statements. Manufacturers Safety Data Sheets should be attached to any sub-contractor COSHH assessment. Barr Demolition employees may be exposed to the following for which COSHH assessments will be issued before use:

Gas Oil/Diesel	
Hydraulic Fluid	
Hydraulic Oil	
Concrete	
Grease	
Asbestos	
Zinc Paint	
Rat Urine - Leptospirosis	
Plaster Dust	

Detailed lists of potential residual chemicals that may be encountered on site have been provided by the client. These will form the basis of the COSHH assessments developed for each method of demolition.

Emergency Equipment

The following list of emergency equipment will be located around the site at designated points but should not be considered exhaustive.

- · Emergency spill kits.
- Fire extinguishers.
- Eye wash facilities
- First aid facilities R Morgan C Stanners First Aider
- Specialised safety equipment



EXISTING ENVIRONMENT

Existing Site	The building is brick built with slated roof on timber trusses, with a concrete		
Structures	floor slab.		
Public Access/Traffic	All personnel to be inducted following COVID guidelines. The vehicular		
	access shall be kept closed to any public access at all times. Contractor & Visitor access into the demolition areas shall be controlled by Banks-men, during the works and site traffic movements. Access to the site is via existing access gate and is subject to a 10mph limit all Barr Demolition personnel and deliveries are subject to a maximum of 5mph. 1no access point to be utilized and any change to be communicated to site personnel via in-house toolbox talks. Barr Demolition to follow Site Traffic Management Plan and all vehicle movements on/off site controlled by a banksman.		
Third Party Requirements	Account shall be taken of all adjacent building's residents and contractors in the planning of the works.		
	Daily toolbox talks & contractor meetings will take place to coordinate that specific day's operations. 8.00am daily in site welfare unit – Permits Issued.		
	All access points shall be kept clear of obstructions at all times during the works and access shall be available for emergency services 24hrs.		
	Dust suppression measures shall be implemented where adjacent building occupiers may be affected		
Welfare Provisions	Barr Demolition Ltd to provide welfare facilities for changing, drying, first- aid and storage and will stagger break times to ensure current COVID guidelines are complied with. Suitable toilets and washing facilities with hot water shall be maintained on site.		
	All welfare facilities shall be treated with respect and kept clean.		
Personal Protective Equipment	Specific site rules shall be adopted and enforced for general items of PPE such as safety helmets, safety footwear and high visibility clothing. Suitable safety footwear with protected toe caps must be worn at all times. Failure to comply shall result in the removal of that person or persons from site.		
	High visibility clothing to BSEN471:1994 shall be worn at all times.		



	Hard hat – All operatives		
	 Safety boots (incl. reinforced toe cap and mid-sole) – All operatives Hi-vis clothing (Class 2 minimum i.e. waistcoat) – All operatives Gloves – General use (minimum of BS EN888:1994) – All 		
	operatives		
	Light eye protection (Safety Specs – BS EN166) – All operatives		
	Hearing protection (Ear plugs – BS EN352-2) – Burner operatives		
	➤ Gloves – Hot working (minimum of BS EN888 & 407) – Burner		
	operatives		
	Full body safety harness equipped with 1m fall restraint lanyard -		
	MEWP use		
	Task Risk Assessments may identify other aspects of the work for which personal protective equipment is to be prescribed, such as goggles, gloves, ear protection and respiratory masks. NOTE where masks are used they will be face-fitted by a competent person with certificates retained in the site file.		
Existing Services	Existing services isolations will be completed in advance of the demolitions. Barr Demolition Ltd to check & obtain written confirmation from the client that these have been completed.		
	Electricity, Water Telephone and Gas All services relating to the structures and its immediate surroundings will be precisely located, identified and clearly isolated prior to commencement of any demolition.		
	The utility layout plans will be made available and attached in the Appendix 2 – Site plans prior to commencement.		
Health & Safety Training	Training needs have been identified for all employees and training will be given to ensure that employees are competent to carry out their duties in a safe and proper manner. Where new Health and safety legislation is introduced which has a direct bearing on the Company and work activities, training as appropriate will be provided.		
	Employees engaged on demolition work have attended the CITB Demolition Course. These CITB courses are organised through the National Demolition Training Group (NDTG) and other associated organisations. All managers and operatives carry CSCS training cards which can be produced upon request on site or alternatively copies can be sent from our head office.		
Health Monitoring	It is company policy that all personnel will undergo medical screening every 3 years as a minimum.		



CONTINUING LIAISON

Procedures for Monitoring Health & Safety	Site meetings shall be held with the Client / Contractors and other members of the site team at regular intervals as deemed necessary during the course of the works.
Salety	It is imperative that the Contractor follows the Plan of Works and takes cognisance of the Risk Analysis at all times. Should for whatever reason any unforeseen eventualities occur during the course of the works requiring a change of Method Statement or Health & Safety Plan for the demolition the contractor will temporarily suspend work where necessary and inform the Contract Manager immediately.
	The Contract Manager and Director in Charge will assess the conditions on site and amend the Method of Works accordingly. Client to be advised and copied in prior to works re-commencing.
	Daily Toolbox Talks shall take place. These talks shall convey to operatives the hazards associated with the work and the measures and methods in place to progress the works safely, and any other task specific issues taking place on any given day.
Health & Safety Plan	During the works this is the responsibility of the Demolition Contractor. The Client shall be kept advised of all changes or additions and a copy of all such amendments passed to them within 24 hours. All operatives will be fully briefed of the Method of Works prior to works recommencing. A briefing form is attached in Appendix 3.
Unforeseen Eventualities	The Client shall be kept informed of any unforeseen eventualities which result in a change to any method of working together with any Health & Safety issues arising.
Accident Reporting and Investigation	All injury accidents must be reported immediately to the Supervisor, and recorded in the Department of Social security Accident Book B1510 and thereafter, where appropriate, notification made to the Health and Safety Executive in the area, by Barr Demolition Ltd reporting procedure to be followed. All Reportable injuries including over seven days' absence and Dangerous Occurrences must be notified to the Health and Safety Executive. All such accidents must be investigated, reported on and action taken to prevent a recurrence, with a full report issued to the Client. Serious injury accidents and dangerous occurrences will be subjected to an in-depth investigation by management and QHSE Manager.
	in-depth investigation by management and strict intrager.
Hand Over Arrangements	The Contract Manager/Director will inform the Client on completion of the works. A site inspection will then be carried out to ensure the standard of work is satisfactory and the works have been left clean & tidy and in a safe condition. All required information such as waste transfer notes, marked up service location plans etc will be provided to the Client upon completion of the works.



Emergency Response Procedure

This procedure has been produced to lay down the guidelines to be followed in the event of an incident occurring on site, which necessitates the site to be cleared.

Should an incident occur, the Contract Manager, or the Site Foreman will investigate immediately and will make a judgement as to whether the site should be evacuated. If so the Contract Manager or Site Foreman will be responsible in alerting all operatives in the immediate area, directly thereafter he must dial 999 and inform the emergency services, and directly after inform the Client (Steven Clark).

The assembly point which will be outside the main entrance to the site will be notified to all personnel at Barr Site Induction.

Accident & Emergency Arrangements

- Appointed Person/First Aider: In the case of any accident or incident that affects the safety of the workforce or any others affected by the site activities the following individuals are to act as Appointed Person to take responsibility for the accident/incident: Site Supervisor. A first aid kit is available for use with the welfare unit.
- Accident Incident Reporting: All accidents/incidents should be reported to the Site Supervisor who will contact the Contract Manager and
- Emergency Action: In the case of fire or explosion in the first instance call the emergency services by the nearest telephone 999.
 The site supervisor should act as a guide on the arrival of the emergency services. He must also notify the clients site representative.
- Fire Arrangements: Multiple fire extinguishers of the appropriate type should be on site at all times with their location known to the entire workforce.
- In the case of an emergency evacuation of the site the muster area is as briefed on the Site Induction session.
- Unforeseen Event: In the event of an unforeseen event impacting on this method statement or attached risk assessments work should stop immediately. The site supervisor should contact the contract manager who in turn will contact the Client. Authorisation will be given when work can commence.



APPENDICES:

APPENDIX 1: RISK ASSESSMENTS

APPENDIX 2: SITE PLANS

APPENDIX 3: EXPLANATION OF METHOD FORM



APPENDIX 1 – RISK ASSESSMENTS (See Section B Site File)



APPENDIX 2 - SITE PLANS

Refer to Sections N & X-Z in the Site File for all drawings and plans



APPENDIX 3 – INDUCTION FORM – Brotherton Mill Johnshaven

The Site Health & Safety Plan & Method Statement has been fully explained and I fully understand my roles on site. The Site Supervisor will discuss any alterations to the method of demolitions or site set-up as and when necessary during the progress of works

INDUCTION RECORD

Print Name	Signed	Date