

Summary Information Report

To support the Demolition of the Calder Fabrication Workshop (CFW)

Building Description

The CFW (highlighted in yellow below) building is located to the East of the River Calder on the Sellafield site and adjacent to the Calder Engineering Workshop (CEW). The CFW building was constructed circa 1995.



The frame of CFW is 12m x 12.2m x 4.5m high to 6.3m at the apex and is a steel portal frame structure. The external walls and roof are formed using foam insulated panels fixed to cladding rails, with aluminium cladding on the outside. There is a roller shutter door of 4.8m x 4.8m in size on the eastern elevation (see Appendix 1). The building is constructed on a solid concrete base.

Reason for Demolition

The building is now redundant and no longer has a function on site.

- The Calder Land Clearance Project is part of the SWM Portfolio. Once removed this will release a significant land area for reuse.
- Demolition of this structure will reduce the life cycle costs of maintaining it safely and securely.

- The demolition of the building is to be completed at the earliest opportunity.

Method of Demolition

The demolition tasks will be executed by IDS (Integrated Decommissioning Solution), who have been appointed by Sellafield Ltd, and physical works will be conducted by Erith Demolition Ltd. IDS have proven experience across the Sellafield site using industry standard techniques. The demolition activities will include the following: -

- Site preparation prior to demolition, including fencing off the work area and protection of drains. All services have been previously disconnected.
- Disconnection of high-level service feeds from CEW.
- Soft strip of CFW using mechanical techniques.
- Removal of corrugated steel cladding panels from Eastern elevation.
- Removal of cladding support rails and roller shutter door.
- Structural demolition of CFW, using a 360 excavator with sheer attachment working from the eastern elevation in a progressively western direction.
- Segregation of waste.
- Disposal of waste materials in accordance with IDS Waste Management Plan.
- Complete demolition of the building structure to base slab

Environmental Impact and Waste Streaming

- Appropriate characterisation of waste has been conducted in line with SL procedures.
- Asbestos R&D Surveys have been undertaken to determine appropriate routes.
- An Out of Scope* (OOS) Metals agreement is in place between SL and IDS.

The following waste has been determined for the demolition for CFW:

Waste Type	Waste Weight (te)	Radiological Categorisation	Chemical Categorisation	Waste Route
Bitumen (Felt)	0.03	VLLW	Hazardous	SL Waste Route- Disposal
Brick	11	OOS	Non- Hazardous	Cumbria Waste Management Ltd- Recycle
Cabling	0.56	OOS	Non- Hazardous	Yorkshire Alloys Ltd- Recycle
Concrete	~0.0	OOS	Non- Hazardous	Cumbria Waste Management Ltd- Recycle
Fibreglass Insulation	2.8	OOS	Non- Hazardous	Cumbria Waste Management Ltd- Recycle

Metal (Ferrous)	6.79	OOS	Non- Hazardous	Yorkshire Alloys Ltd- Recycle
Plaster	0.145	OOS	Non- Hazardous	Cumbria Waste Management Ltd- Recycle
Plastic	0.2	OOS	Non- Hazardous	Cumbria Waste Management Ltd- Recycle
Timber	0.45	OOS	Hazardous	Cumbria Waste Management Ltd- Disposal

* 'Out of scope' broadly equates to 'not radioactive' for the purposes of the both the Radioactive Substances Act 1993 (RSA93) and the Environmental Permitting (England and Wales) Regulations 2016 (EPR16). Radioactive substances which are 'out of scope' are not subject to any regulatory requirement under this legislation.

Ecology Report

Please find attached enclosed report, completed in 2021 for the full scope of the Calder Land Clearance Project (CLC).

Appendix 1 - Original Building Design Drawing

4/96/0470/0F1

F19 Fabrication Shop
Planning Submission 6/1996

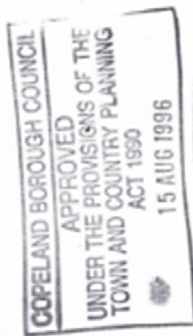
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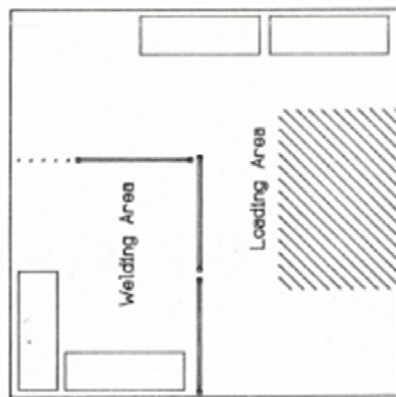
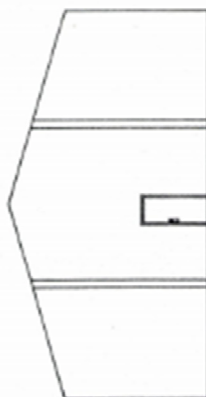
COPELAND BOROUGH COUNCIL

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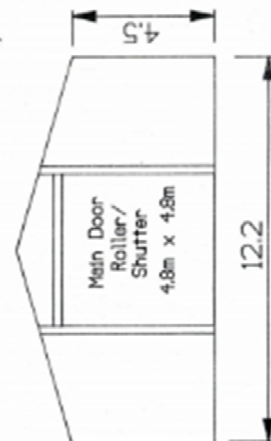
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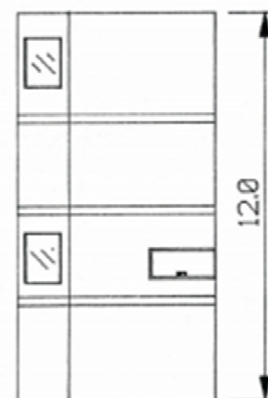
B. White



Side Elevation (looking South)



Front Elevation F19 Fabrication Shop



Side Elevation (looking North)