

Demolition and Deconstruction of Harbour Buildings/Conveyor Area (Phase-4) September 2025 Start

Overall site information

1.1	Owner	:	Tata Steel UK
1.2	Plant	:	PORT TALBOT PLANT, WALES, UK
1.3	Location	:	Latitude 51.590 N, Longitude 3.780 E
1.4	Elevation above Mean Sea Level (MSL)	:	12.00 m from M.S.L

JOB DESCRIPTION: Controlled Deconstruction of all the Harbour office and Stock yard plants, equipment, structural and civil building and removal of all the loose items from the area and grading of land in Phase 4.

TIME FRAME: start date September 2025 and estimated demolition time frame as being 12months (subject to final discussions with chosen contractor)



Fig 1: Harbour buildings- Offices and Workshop



Fig 2 : Conveyor 1401

A BRIEF BACKGROUND TO THE REQUIREMENT FOR THE WORK

The stock yard of burdening area was used to store, blend and transfer the raw material to Sinter Plant & Blast Furnace. The area is situated on the west of sinter plant and is controlled by harbour and burdening department.

This requirement pertains to the complete deconstruction of the site, including all machinery, plant, equipment, buildings, and building items such as glass, asbestos, timber, felting, etc. It also encompasses structures, lighting towers, conveyors, stackers, reclaimers, civil works, civil foundations, and any other items, down to ground level. The area is then to be graded and cleared of all items

All plant, equipment, civil, and mechanical structures will be de-energized and isolated by Tata. However, the contractor must ensure that a safe method of deconstruction is identified, managed, and executed in line with safe working practices. A detailed program is to be developed upon receipt of the purchase order. An outline program has been provided for informational purposes only and should not be considered indicative of the exact time frame.

The deconstruction process will involve cutting the structural steel into manageable sizes, with a maximum dimension of 1.5m (1500mm) x 0.3m (300mm) and a maximum weight of 1.5 tonnes. The preferred method of deconstruction is cutting with a mechanical shear to minimize personnel interaction with the process. RFID chips will be provided to all personnel and positioned at key areas to alert machine operators of any encroachment, automatically ceasing operations. Explosives will not be used in this process.

All materials (light and heavy scrap) will be clearly segregated and stored in an allocated area (refer to the diagram provided) near the working site. The contractor will oversee the safe stacking and loading of materials into vehicles.

The Total demolition of the buildings are to be managed appropriately and are to be surveyed for contaminated materials prior to work starting. A Demolition asbestos survey will be undertaken and all results given to the Principal Contractor to ensure that all Hazardous materials are identified, quantified, removed and disposed of in accordance with legislation. The

asbestos will be transported to the internal asbestos cells managed by Tata preferred contractor and all disposal notes made available to Tata.

All buildings will be demolished by mechanical excavator grab/cutting machinery (Non-Explosive method) with rubble being filtered by the principal contractor and disposed of again within legislation. This would be sent to Tata recycling centre for further processing: all disposal notes will be made available to Tata.

Noise monitoring will be carried hourly using fixed real time data monitoring systems installed by the principal contractor, the reading would be available to Tata at any time should the necessity prevail. Demolition works are proposed to be undertaken during periods identified with an 'X' within the table below:

Task Description	Core Hours*	Evenings and Weekends**	Public Holidays**
Demolition with Excavator with Hydraulic Hammer Attachment	X		
Demolition without Excavator with Hydraulic Hammer Attachment	X	X	X

Notes:

* 07:00 – 19:00 Monday – Friday, 07:00 – 13.00 Saturday

**19:00 – 20:00 Monday – Friday, 13.00 – 20:00 Saturday, 07:00 – 20:00 Sundays and Public Holidays

The working pattern for contractors will be:

Week 1: Monday – Sunday

Week 2: Monday – Friday (early finish to enable travel from site)

No works outside the permitted hours will be undertaken without the permission of the local planning authority.

The main volume of oils will be drained and disposed of by Tata prior to the demolition process starting however, any residual oils will be managed accordingly by the Principal Contractor and disposed of with waste certification provided to Tata

A dust suppression system using domestic aspirated water will be employed to prevent the risk of Legionella. A full risk assessment will be carried out by the principal contractor and shared with Tata.

All Lego blocks will be transported to Tata recycling centre for any further processing or storage for use elsewhere.

All building materials removed from site.

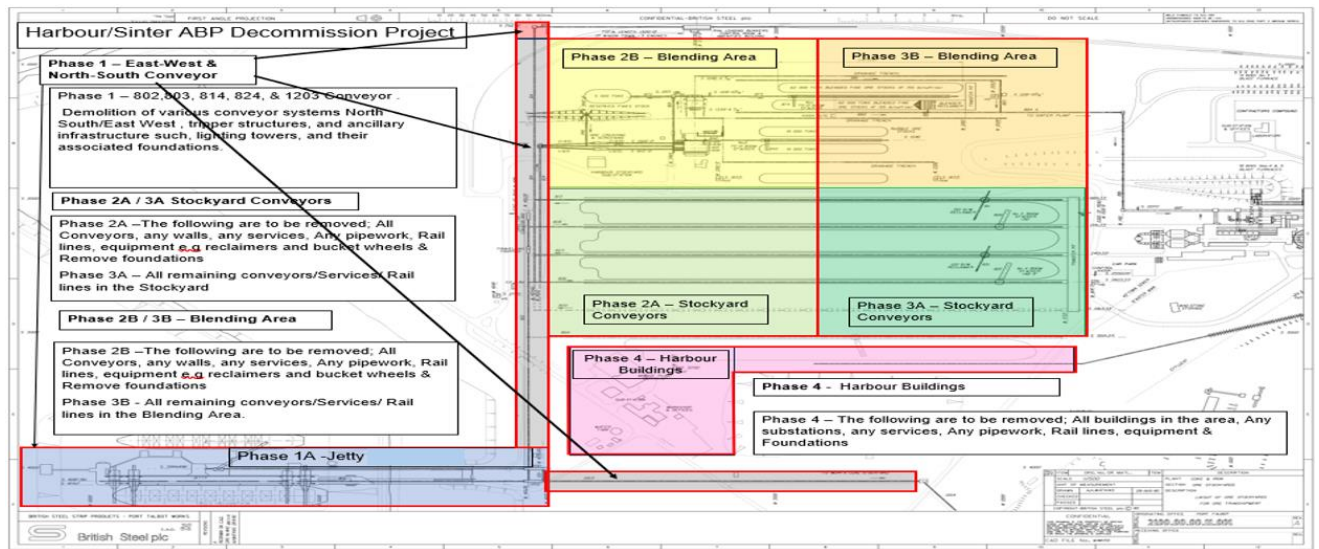


Fig 3: Phase Layout drawing (Indicative only)



1. Mobile plant workshop	6. Harbour terminal stockyard	11. Pota cabin
2. Harbour jetty substation	7. Lego block stockyard	12. Light tower
3. Harbour ore terminal office	8. Kiosk	13. Harbour storage shed
4. Mechanical workshop	9. Mobile plant workshop laydown area & tank	14. Retaining wall
5. Contractor's cabin	10. Wheel wash and machine room	15. Conveyor 1401

Fig 4 : Arial Photo showing the area of Phase 4.

Scrap/Cutting and Storage Area:

Sizeable materials will be removed from the Jetty and transported to the segregated scrap reclamation area highlighted in the Yellow boxes below; these materials will be further processed by mechanical means (Shears) into allocated sizes and stored in readiness for collection. There is no requirement to ring-fence the site as it will be processed in-situ and within a segregated boundary area. These defined areas are already in place with hard standing and compacted ground. This is to also ensure that there is no encroachment into/onto any other areas within the existing ring fenced site.

The defined areas are already in place with hardstanding, ensuring safe and organized operations



Fig 5: Lay down area (Marked in Yellow Boxes)



Fig 6 : Laydown area 1



Fig 7 : Laydown area 2



Fig 8 : Laydown area 3

CONVEYOR 1401 STEEL STRUCTURE

s/no	Conveyor	Length (m)	Width (m)	Height (m)	Average Wt. (Kg/m)	Total (Te)	Remark
1	1401	585	1.24	0.92	118	69	Hoppers, Drums, Rollers, Conveyor Structure 118 + 86 = 204te

CIVIL STRUCTURES

S.No	Item	Nos	Length	Height	Width	Remark
1	Mobile Plant Workshop	1	34m	1.8m	32m	Peripheral guard wall & foundation
2	Harbour Jetty Substation	1	20m	7m	19m	
3	Harbour Ore Terminal Office	1	61m	2.4m	9.4m	
4	Mechanical Workshop	1	41.5m	3.0m	16m	Peripheral guard wall with foundation & adjoining civil building
5	Contractor's Cabin	1	13 m	2.4m	3.5m	
6	Ore Terminal Stockyard fencing	1	341m			
7	Lego Blocks Stockyard	135nos				
8	Kiosk	1	2.5m	1.125m	1.5m	
9	Mobile plant workshop laydown area diesel tank base	1	10m	1.25m	4m	
10	Wheel Wash machine room	1	2.4m	2.4m	2.4m	
11	Wheel Wash	1	6.5m	1.8m	5.5m	
12	Portacabin	1	8.0	2.4m	4.0m	Portacabin near light tower
13	Light Tower	1	4.57m	40.69m	4.57m	
14	Harbour storage yard shed	1	15.5m		4.5m	
15	Retaining wall	1	530	1.5m		

TABLE 1

BUILDINGS/CONVEYORS



Fig 9. Conveyor 1401



Fig 10 . Mobile Plant Workshop



Fig 11. Harbor Jetty Substation



Fig 12. Harbor Ore Terminal Office



Fig13. Retaining wall



Fig 14. Mechanical Workshop



Fig15. Harbor Storage shed.



Fig 16. Portacabin



Fig 17. Mobile Plant workshop



Fig 18. Wheel Wash



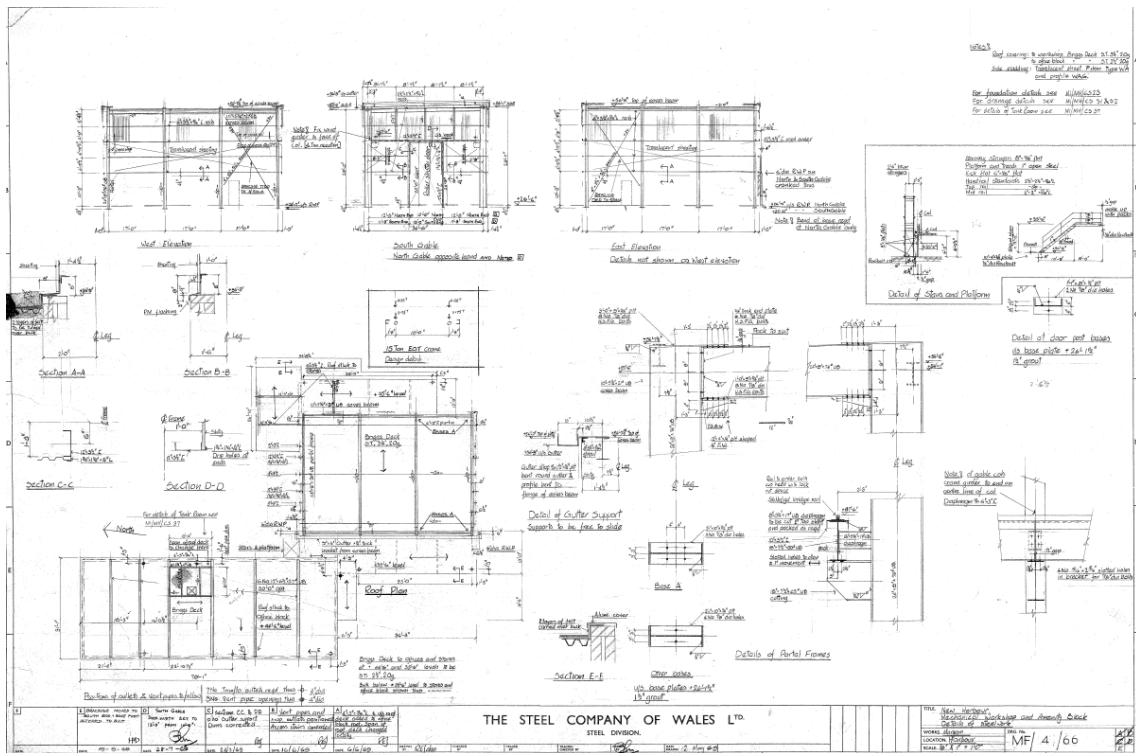
19. Light Tower

What is Being Removed	Reference No. In Report	How is this being Dismantled	Date From	Date To	Laydown Area
Conveyor 1401	Fig 2,4,9	Mechanical - cutting and burning by machine and lifting from land	September 2025	March 2026	Fig 5,6,8 Laydown 1,3
Mobile Plant Workshop	Fig 4,10	Mechanical - cutting and burning by machine and lifting from land	September 2025	March 2026	Fig 5,7 Laydown 2
Harbour Jetty Substation	Fig 4,11	Mechanical – Excavator with crushing attachment	September 2025	March 2026	Fig 5,7 Laydown 2
Ore Terminal Office & Fencing	Fig 4, 12	Mechanical – Excavator with crushing attachment	September 2025	March 2026	Fig 5,7 Laydown 2
Mechanical Workshop	Fig 4, 14	Mechanical - cutting and burning by machine and lifting from land	September 2025	March 2026	Fig 5,7 Laydown 2
Contractor's Cabin	Fig 4	Mechanical - cutting and burning by machine and lifting from land	September 2025	March 2026	Fig 5,7 Laydown 2
Lego Blocks Stockyard	Fig 4	Mechanical – Excavator with crushing attachment	September 2025	March 2026	Fig 5,6 Laydown 1
Kiosk	Fig 4	Mechanical – Excavator with crushing attachment	September 2025	March 2026	Fig 5,6 Laydown 1
Mobile plant workshop laydown area diesel tank base	Fig 4, 17	Mechanical - cutting and burning by machine and lifting from land	September 2025	March 2026	Fig 5,6 Laydown 1
Wheel Wash machine room	Fig 4	Mechanical – Excavator with crushing attachment	September 2025	March 2026	Fig 5,6 Laydown 1
Wheel Wash	Fig 4, 18	Mechanical - cutting and burning by machine and lifting from land	September 2025	March 2026	Fig 5,6 Laydown 1
Portacabin	Fig 4, 16	Mechanical - cutting and burning by machine and lifting from land	September 2025	March 2026	Fig 5,8 Laydown 3
Light Tower	Fig 4, 19	Mechanical - cutting and burning by machine and lifting from land	September 2025	March 2026	Fig 5,8 Laydown 3
Harbour storage yard shed	Fig 4, 15	Mechanical - cutting and burning by machine and lifting from land	September 2025	March 2026	Fig 5,7 Laydown 2

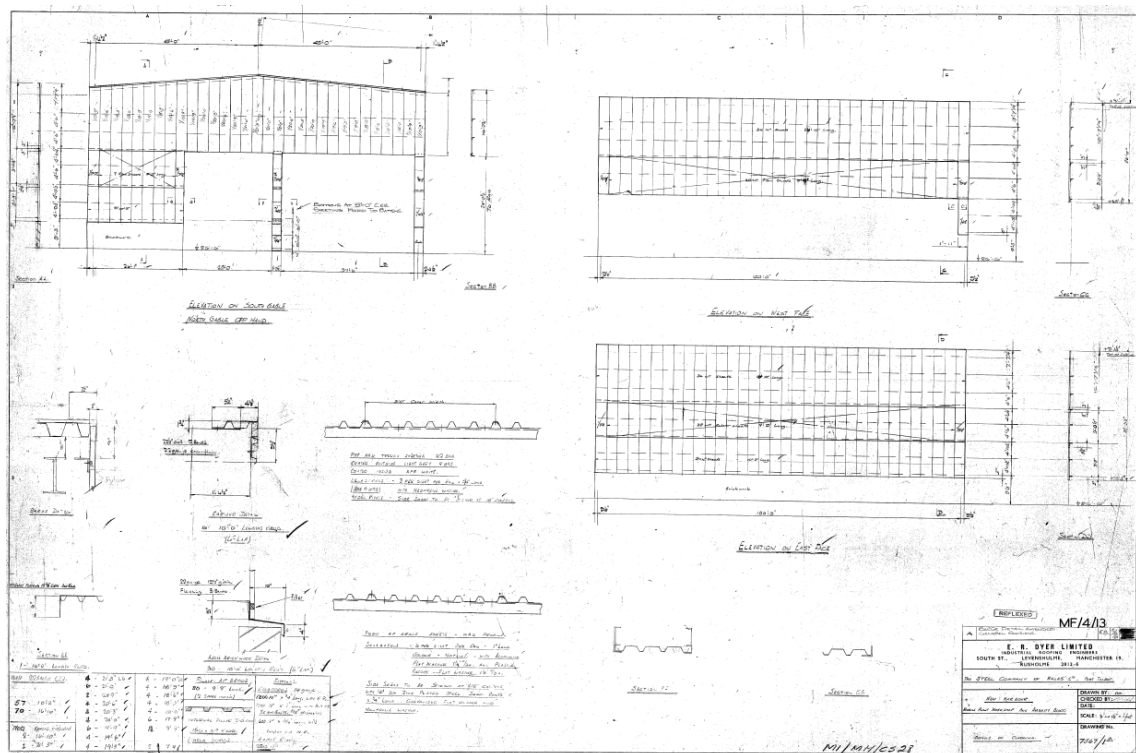
TABLE 2

Harbour Jetty Substation

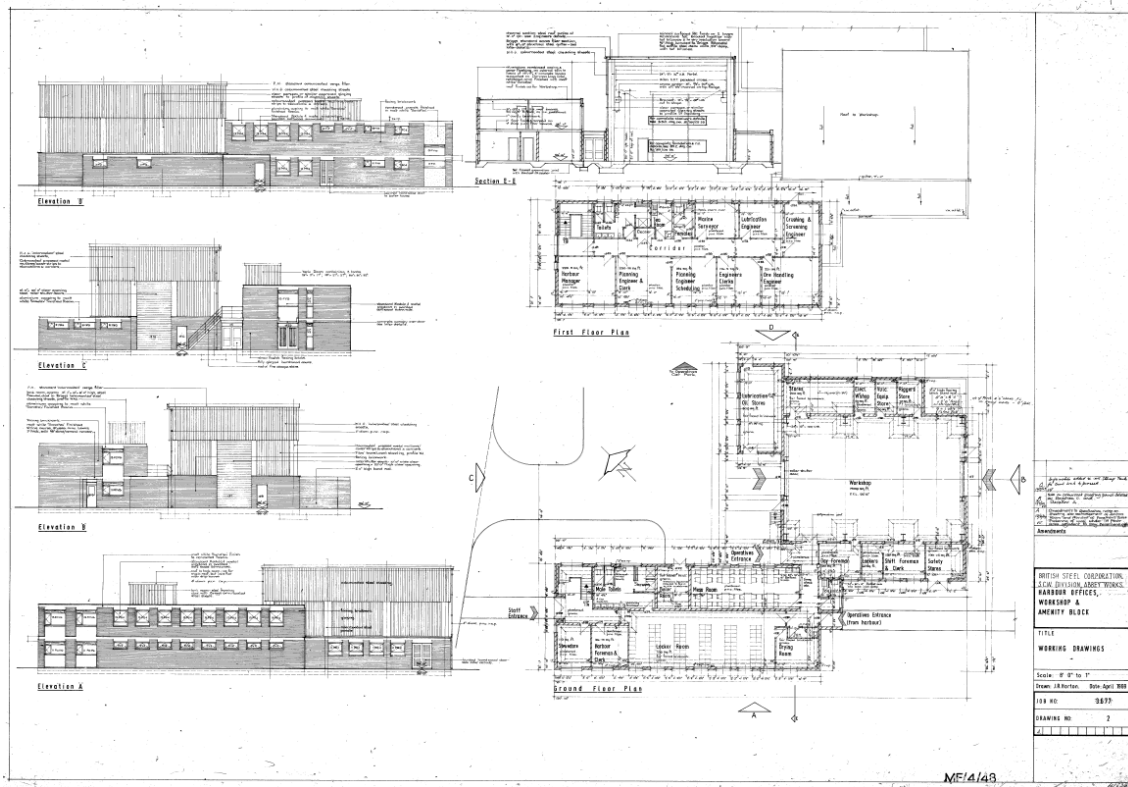




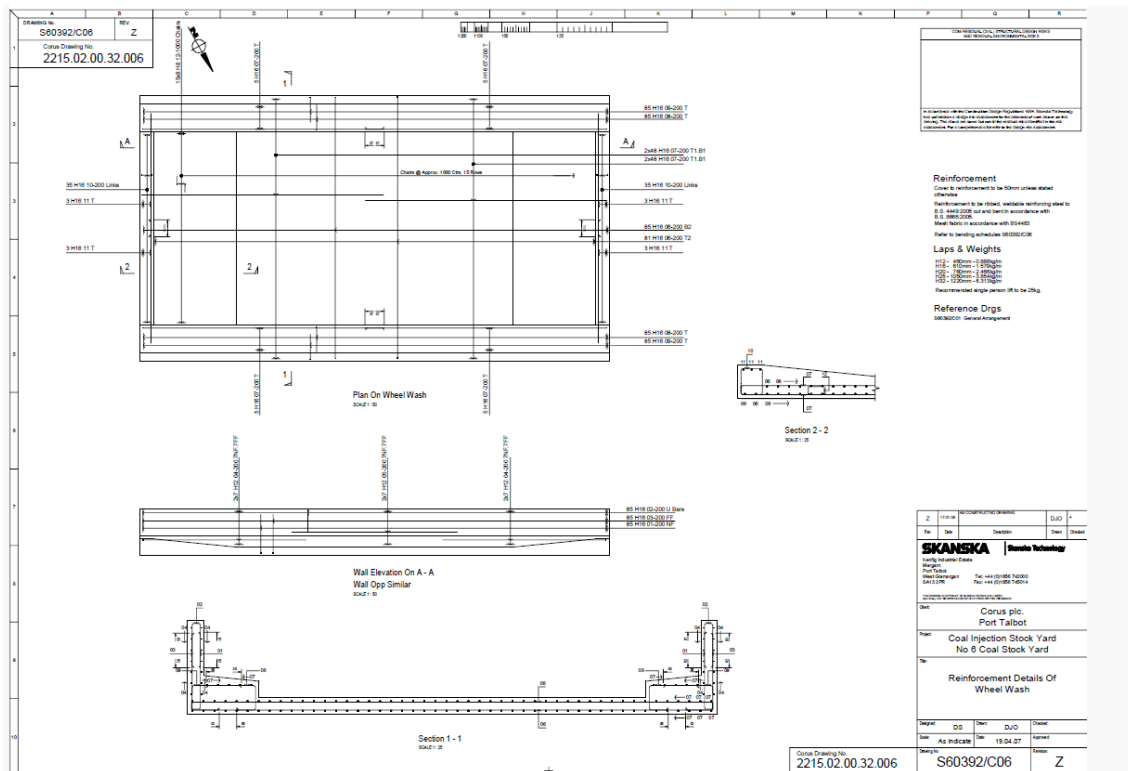
Mechanical Workshop



Mobile Plant Workshop



Office Layout and Mechanical workshop layout



Wheel wash