

Demolition and Deconstruction of Blending/ Burdening Area (Phase-3A+3B) January 2026 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 Blending/Burdening plant, equipment, structures, civil buildings, the removal of all the loose items from the area and grading of land in Phase 3A+3B.*

TIME FRAME: start date January 2026 and estimated demolition time frame as being 12months (subject to final discussions with chosen contractor)

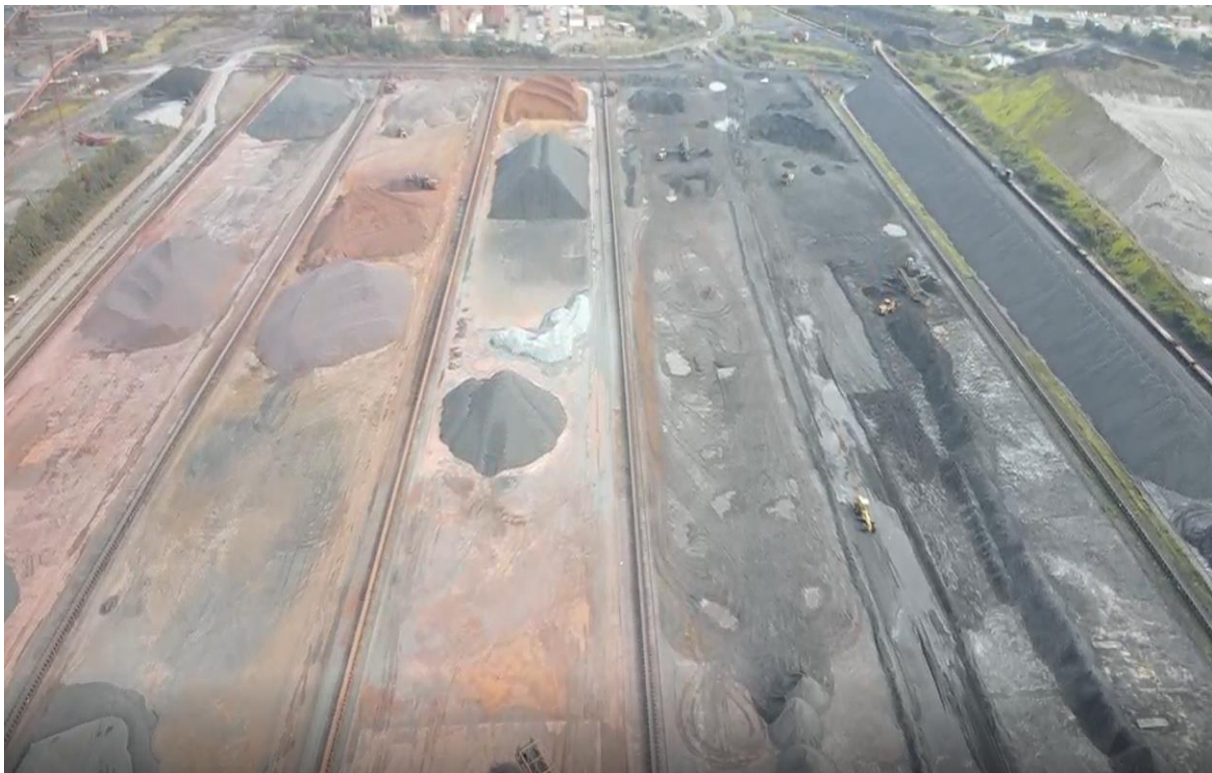


Fig -1a: Overview of Phase 3A



Fig -1a: Overview of Phase Mapping Phase 3A

- | | |
|---|---|
| 1. Cable pit at the end of Conc. 813 | 4. Concrete footing for drive 804 |
| 2. Concrete footing for the drive motor 808 | 5. Isolated footing for the drive motor 804 |
| 3. Isolated footing for drive motor 808 | 6. Drive motor for Conv. 806 |

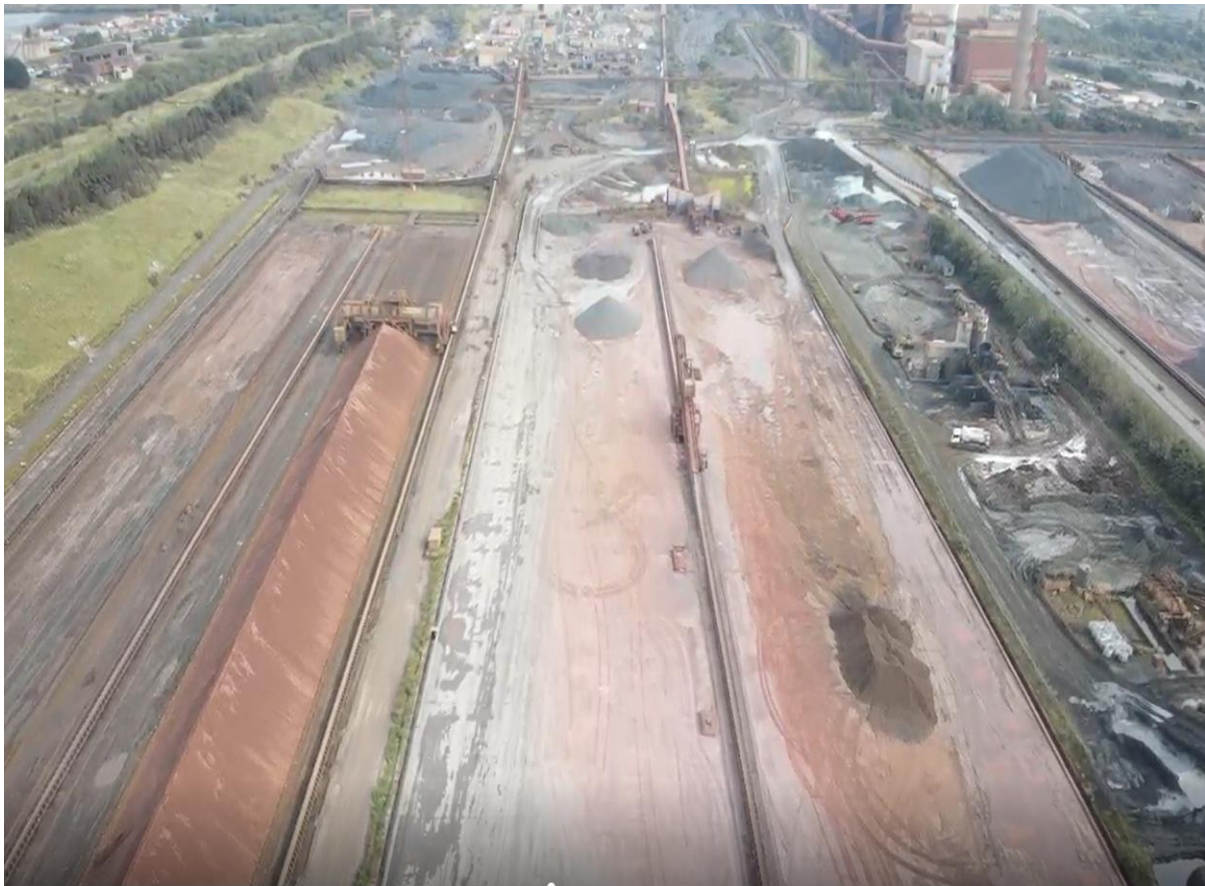


Fig 2a: Overview of Phase 3B



Fig -2b: Overview of Phase Mapping Phase 3B

- | | | |
|--|---|-------------------|
| 1. Double Wheel Bridge reclaimer | 5. 750/751 Loading station | 9. Light tower 4 |
| 2. Transfer pit | 6. Transfer tower at Conv. Junction 882/883 | 10. Light tower 5 |
| 3. Transfer tower at head of Conv. 881 | 7. Barrier for trestle | 11. Blender Kiosk |
| 4. 750/751 Loading station ramp | 8. Fine stacker kiosk | 12. Conveyor 883 |

A BRIEF BACKGROUND TO THE REQUIREMENT FOR THE WORK

The blending and burdening area was historically used to store, blend, and transfer raw materials to the Sinter Plant and Blast Furnace. This area is situated northeast of the sinter plant and is managed by the 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.

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.

The ramp material (earth) will be sampled prior to any excavation work when removing the bridge/bunkers and disposed off in accordance to legislation. Tata will provide the necessary configuration/make-up of the ramp to the principal contractor, of whom will grade the ground. All materials will be transported to the Tata recycling area and all waste certificates will be provided to Tata.

As the phases 2A/2B and 3A/3B overlap, the conveyor section will be identical in both areas with the exception of the Stacker/Reclaimers which are in phase 2A/2B, therefore, the demolition of the conveyors will be approximately 50:50.

All building materials will be removed from the site.

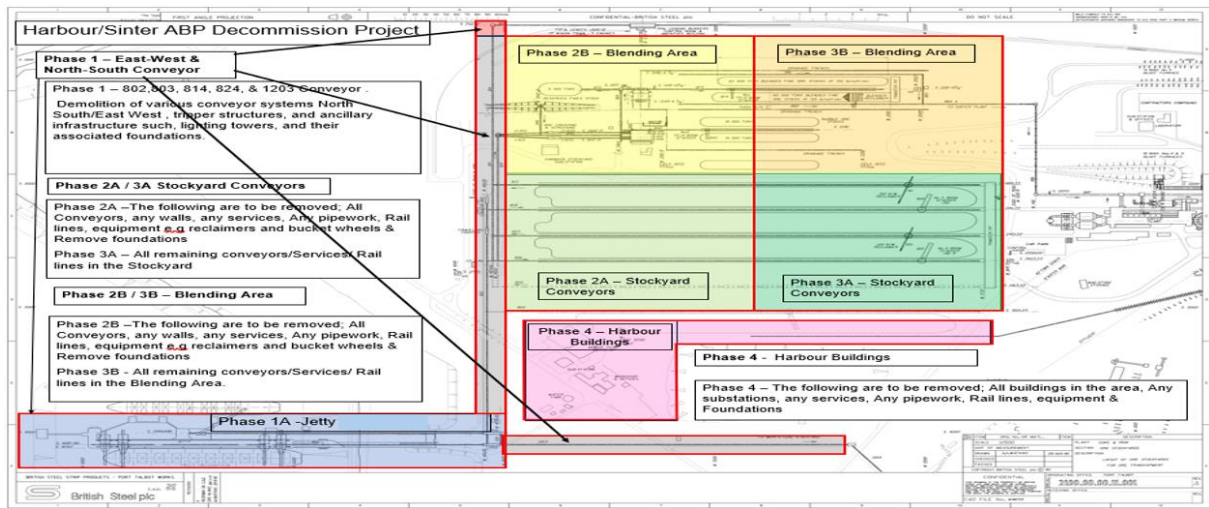


Fig 2c: Phase Layout drawing (Indicative only)

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.



Fig 3: Lay down area (Marked in Yellow Box)

BUILDINGS/CONVEYORS

Items to be Removed in Association With the Blending/Burdening Area

Table 1. CONVEYOR STEEL STRUCTURE - PHASE 2B

S.No	Item	Belt Size (mm)	Length (m)	Avg. Height (m)	Width (m)	Average Wt. (Kg/m)	Total (Te)	Remark
1	Conveyor 813	1400	346.5	0.915	1.752	118	41	Inclined drive end section of conv.
2	Conveyor 808	1500	364	0.915	1.98	82	30	Tail end of Conv.
3	Conveyor 823	1400	346.5	0.915	1.752	118	41	Inclined drive end section of conv.
4	Conveyor 806	1500	364	0.915	1.98	82	30	Tail end of Conv.
5	Conveyor 804	1500	364	0.915	1.98	82	30	Tail end of Conv.
			Estimated Total Tonnage				172	Plus Drums, Rollers etc tonnage 378

Table 2. Stacker and Reclaimer Track (For 2 Reclaimers and 3 Stackers) Phase 2B

Sl. No	Item Description	Qty	Total Length (m)	Width (m)	Height per unit(m)	Total (te)	Remark
1	Rail	10	3100	--	--	173.6	113 Pound/ Yard ;56 = Kg/m

Table 5: PHASE 3B - CONVEYOR EQUIPMENT

Sl. No	Item Descn.	Conv. - 842	Conv. - 873	Conv. - 881	Conv. - 882	Conv. - 883	Conv. - 884A	Conv. - 852	Total Qty. (Nos)	Total Wt. (Te)
1	Drum-800mm(Φ)-Nos.	0	0	0	0	0	0	0	0	0
2	Drum-750mm(Φ)-Nos.	1	1	1	1	1	1	1	7	30
3	Drum-600mm(Φ)-Nos.	0	0	0	0	0	0	1	1	3
4	Drum-500mm(Φ)-Nos.	0	0	0	0	1	1	1	3	8
5	Drum-400mm(Φ)-Nos.	1	1	1	1	2	2	2	10	24
6	Drum-250mm(Φ)-Nos.	0	0	0	0	1	1	1	3	5
7	Impact Roller-178mm(Φ)-Nos.	0	0	0	0	5	5	10	20	1
8	Carrying Roller-168mm(Φ)-Nos.	681	673	821	821	204	450	435	4085	110
9	Carrying Roller Bracket-Nos.	227	224	274	274	68	150	145	1362	
10	Return Roller-127mm(Φ)-Nos.	77	78	90	90	29	50	48	462	11
11	Drop Wt. Carriage /Counter Wt.(Te)	0	0	0	0			5		5
Estimated Total Tonnage (Te) =										198

Table 6: STEEL STRUCTURES & EQUIPMENT (PHASE 3B)

Sl. No	Item Description	Length (m)	Width (m)	Height (m)	Total (Te)	Remark
1	JH-4 (At Junction of Conv. 881 & 883)	5.1	4.8	6.8	7	Single storied JH
2	Lighting tower (Near conv.883)	4.6	4.6	46	13.5	
3	Lighting tower (Near wash plant)	4.6	4.6	46	13.5	

4	JH-5 (At Junction of Conv. 882 & 883)	8.8	4.8	6.8	11	Single storied JH
5	Access Platform around Samson Loading Feeder 750 & 751 loading station	15	6	2	8	Access platform
6	Support structure with access stair case at water filling station near 751 loading station				2.5	Support structure
Estimated Total Tonnage (Te)=					56	

Table7: Equipments PHASE 3B

Sl. No	Item Description	Length (m)	Width (m)	Height (m)	Total (Te)	Remark
1	Samson Feeder Hopper on 750 loading station	10	5	3	15	
2	Samson Feeder Hopper on 751 loading station	10	5	3	15	
3	Travelling car to transfer Reclaimer equipment	25	14	1.0	10	
Estimated Total Tonnage (Te)=					542	

Table 8: Stacker, Reclaimer & Transfer Pit Track (For 1 Reclaimers and 2 Stackers)

Sl. No	Item Description	Qty	Total Length (m)	Width (m)	Height per unit(m)	Total (te)	Remark
1	Rail on transfer pit	4	70	--	--	16.0	113 Pound/ Yard ; 56 = Kg/m
2	Rail on Stacker	4	218	--	--	49.0	113 Pound/ Yard ; 56 = Kg/m
3	Rail on Reclaimer	4	238	--	--	54.0	113 Pound/ Yard ; 56 = Kg/m
4	Sleeper	3510	1.5	0.3	0.15		wood
5	Tie Beam	116	8	--	--	23.0	203x133x25kg/m Section
Estimated Total Tonnage (Te) =						142.0	

Table 9: CIVIL STRUCTURES PHASE 3B

Sl. No.	Item	Length (M)	Height (M)	Width (M)	No. of Storey	Remark
1	Blender kiosk room (Near conv.883)	8.5	5.3	4.5	1	Brick work , rectangle block building
2	Transfer pit (Across the stock yard)	70	1.5 m depth	15.25		between the conv 881 & 882
3	Blender KIOSK room beside conv. 883	4	2	2		Brick work , rectangle block building

3	RCC Ramp with guard wall no's 02 (towards sinter plant area)	95	0.77	0.37		Concrete Wall,
5	750 & 751 loading station ramp	64	4	0.37		
6	Nos 2 Concreate guard wall	18	1.5	1		At the end of Conv 884
7	Trestle foundation for conveyor 852(no's 3)	7	4.5	0.8		
8	Trestle foundation for conveyor 852 (no's 5)	7	3	0.8		



Fig. 4 Con 823



Fig. 5 Con 806



Fig. 6 Con 806 tail drum



Fig. 7 Con 804



Fig. 8 Conv. 882



Fig.9 light Tower



Fig.10 Fine stacker kiosk



Fig.11 Transfer pit



Fig.12 Conv 842 with Stacker



Fig.13 Conv 852



Fig.14 Transfer house at Junction 882/883



Fig.15 Blender Kiosk



Fig.16 750/751 Samson feeder



Fig.17 Conv. 842

Table 10. Deconstructed elements in Phase 3A

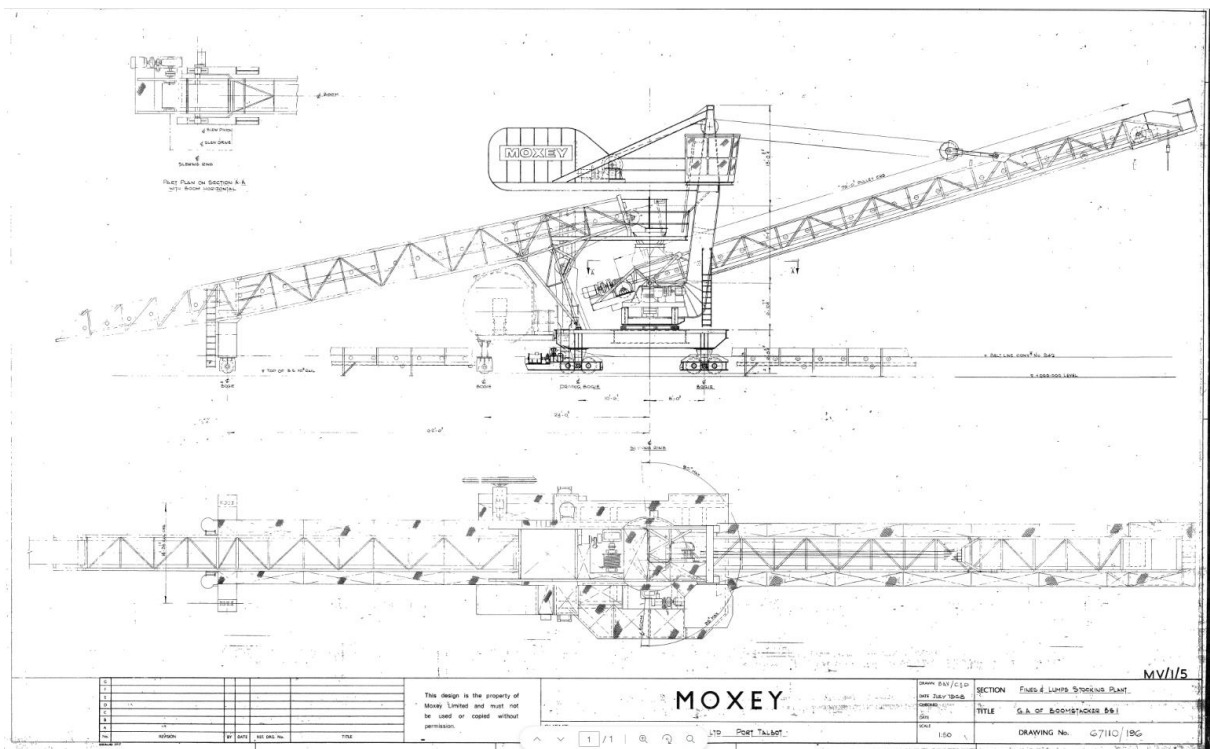
What is Being Removed	Reference	How is this being	Date From	Date To	Any Laydown
Rails and tracks, idlers, idler frames, drums/ pulleys, conveyor structural steel, tail drum frame and the associated guards of Conveyor 813	Fig 4	Mechanical - cutting and burning by machine and lifting	January 2026	December 2026	Yes. Fig 3
Rails and tracks, idlers, idler frames, drums/ pulleys, conveyor structural steel, tail drum frame and the	Fig 4	Mechanical - cutting and burning by machine and lifting	January 2026	December 2026	Yes. Fig 3

associated guards of Conveyor 823					
Idlers, idler frames, conveyor structural steel, drums/ pulleys, tail drum frame and the associated guards, head drum frame, motor and gear box frame, for Conveyor 808	Fig 5	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Idlers, idler frames, conveyor structural steel, drums/ pulleys, tail drum frame and the associated guards, head drum frame, motor and gear box frame for Conveyor 806	Fig 5,6	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Idlers, idler frames, conveyor structural steel, drums/ pulleys, tail drum frame and the associated guards, head drum frame, motor and gear box frame, for Conveyor 804	Fig 5	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3

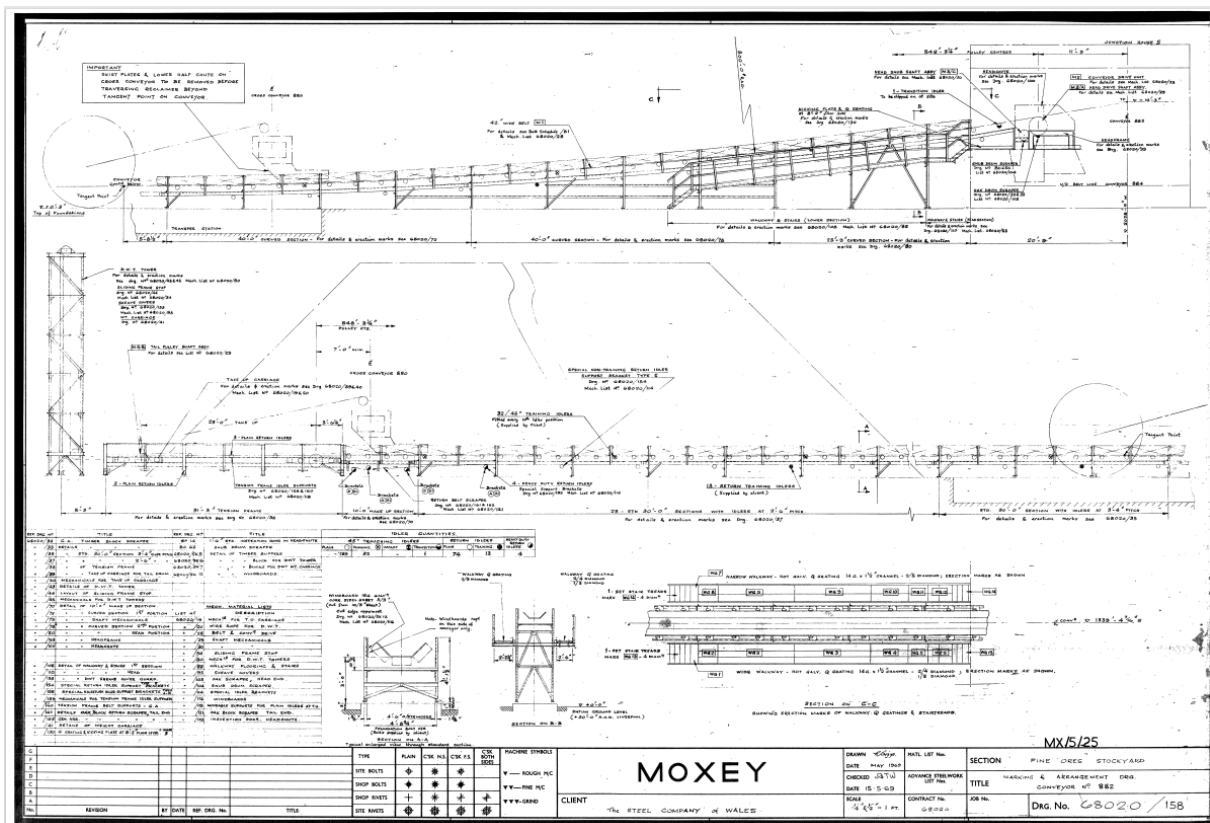
Table 11. Deconstructed elements in Phase 3B

What is Being Removed	Reference	How is this being	Date From	Date To	Any Laydown
Light tower	Fig. 9	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Blender Kiosk	Fig. 15	Mechanical - breaking	January 2026	December 2026	Yes. Fig 3
Fine stacker kiosk	Fig. 10	Mechanical - breaking	January 2026	December 2026	Yes. Fig 3
Idlers, idler frames, rail wooden sleepers, conveyor structural steel, head frame, tail frame , head & discharge chute , electric cable tray, for Conveyor 882	Fig. 8	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Idlers, idler frames, rail wooden sleepers, conveyor structural steel, head frame, tail frame , head & discharge chute , electric cable tray, for Conveyor 883	Fig. 2b,14	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Junction house (JH04 & JH05)	Fig.14	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Idlers, idler frames, rail wooden sleepers,	Fig 2,2b,17	Mechanical - cutting and burning by	January 2026	December 2026	Yes. Fig 3

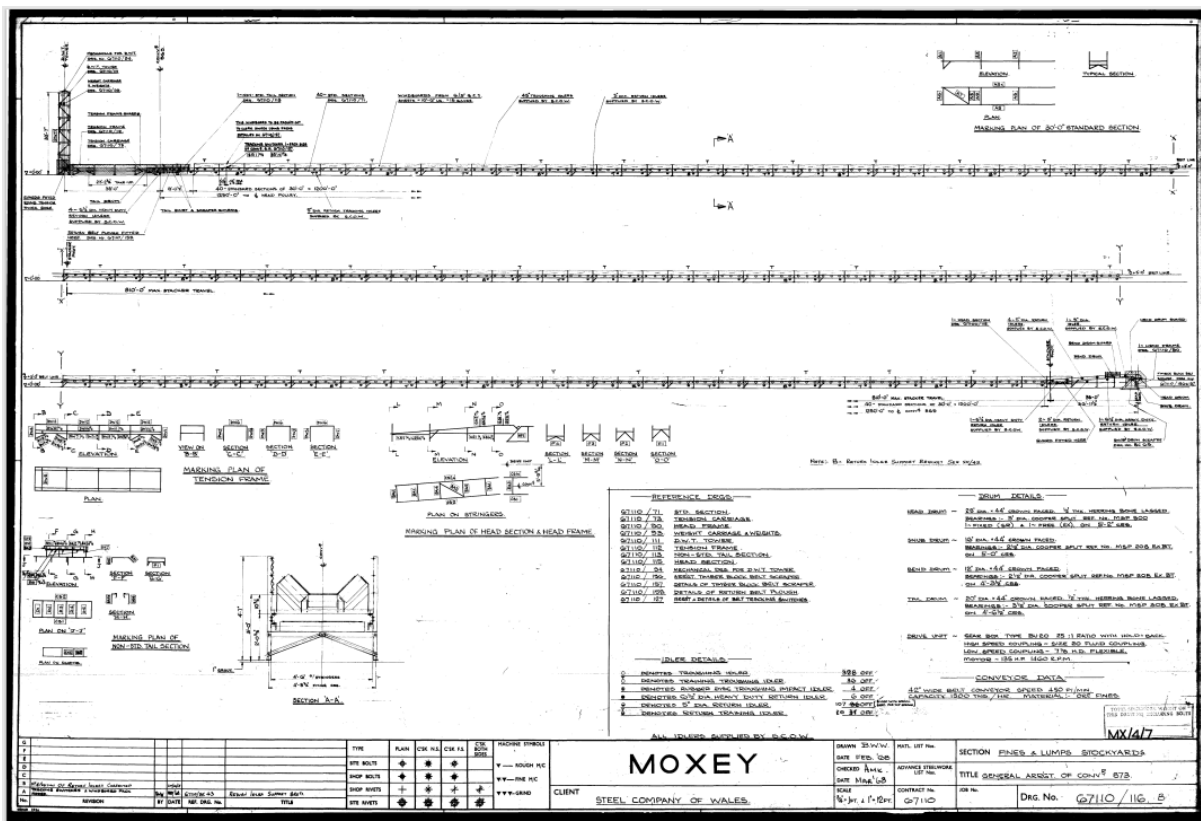
conveyor structural steel, head frame, tail frame , head & discharge chute , electric cable tray, for Conveyor 842		machine and lifting from land			
concrete wall and the sloping earthwork beside the samson feeder ramp both side (near 750 & 751 loading feeder)	Fig.2b	Mechanical - breaking	January 2026	December 2026	Yes. Fig 3
2 no's samson feeder (750 & 751) along with steel structure, walls and ramp	Fig. 16	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Mechanical & structural items inside of transfer pit	Fig. 11	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Idlers, idler frames, all structural steel of conveyor, tail frame , head & discharge chute ,scraper, bend frame , loading hopper for Conveyor 884	Fig. 2b	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Idlers, idler frames, conveyor structural steel, head frame ,tail frame , head & discharge chute ,scraper, bend frame , electric cable tray, rail wooden sleeper, structure beam, cross over for Conveyor 873.	Fig 2,2b	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3
Idlers, idler frames, all structural steel of conveyor, tail frame , head & discharge chute ,scraper, bend frame , loading hopper for Conveyor 881	Fig 2,2b	Mechanical - cutting and burning by machine and lifting from land	January 2026	December 2026	Yes. Fig 3



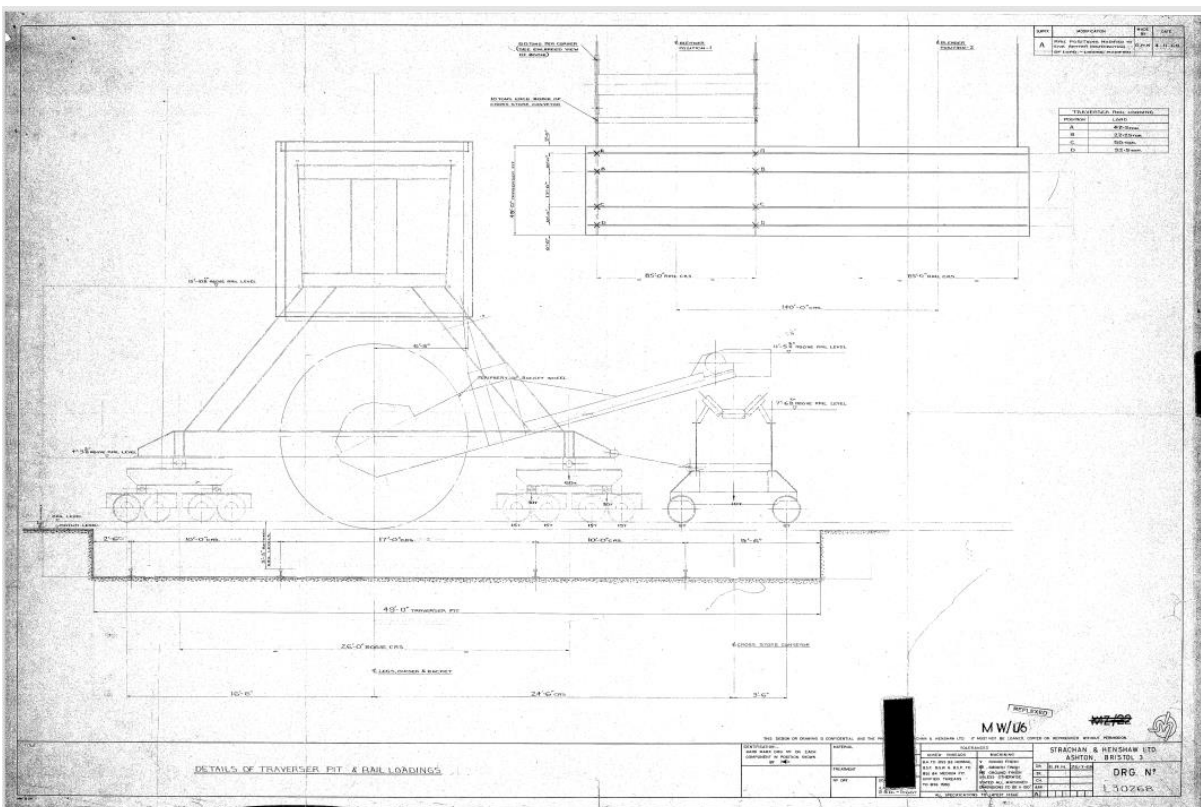
Drawing 1 – Boom Stacker



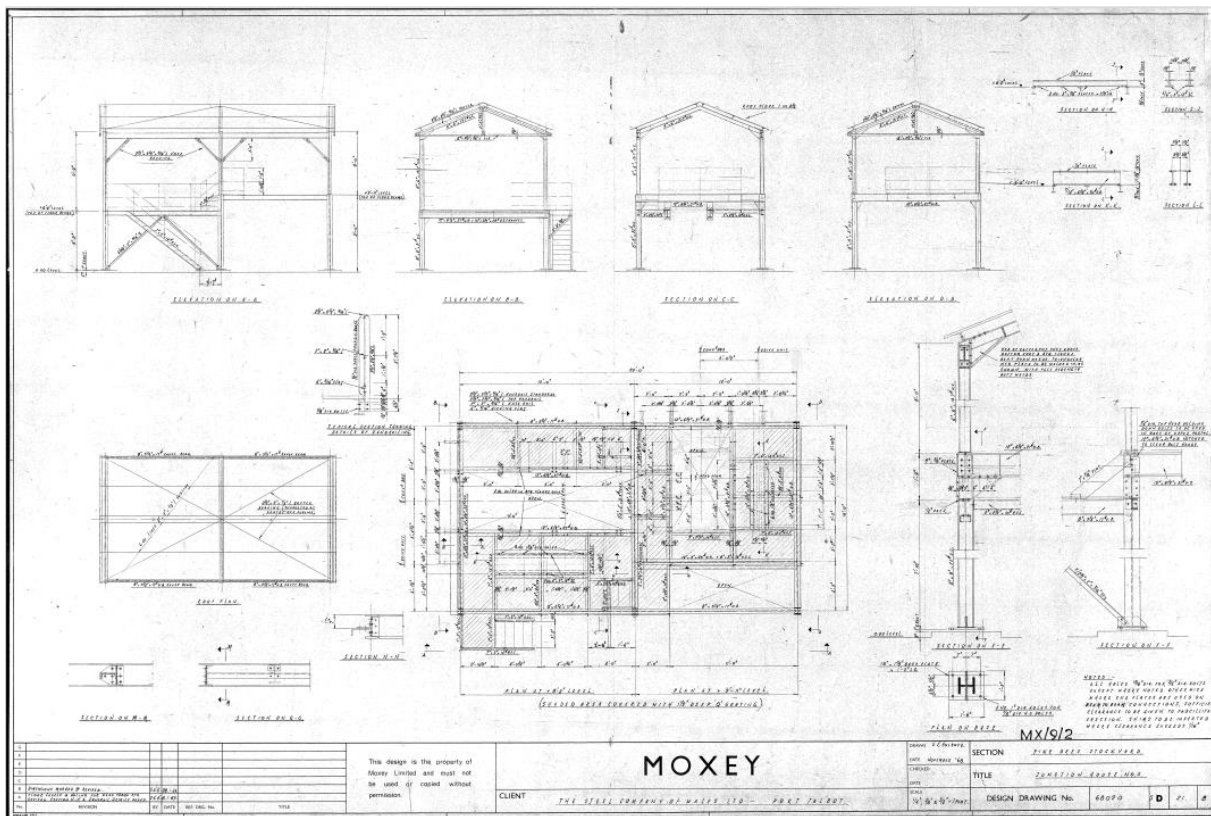
Drawing 2 – Conv. 882



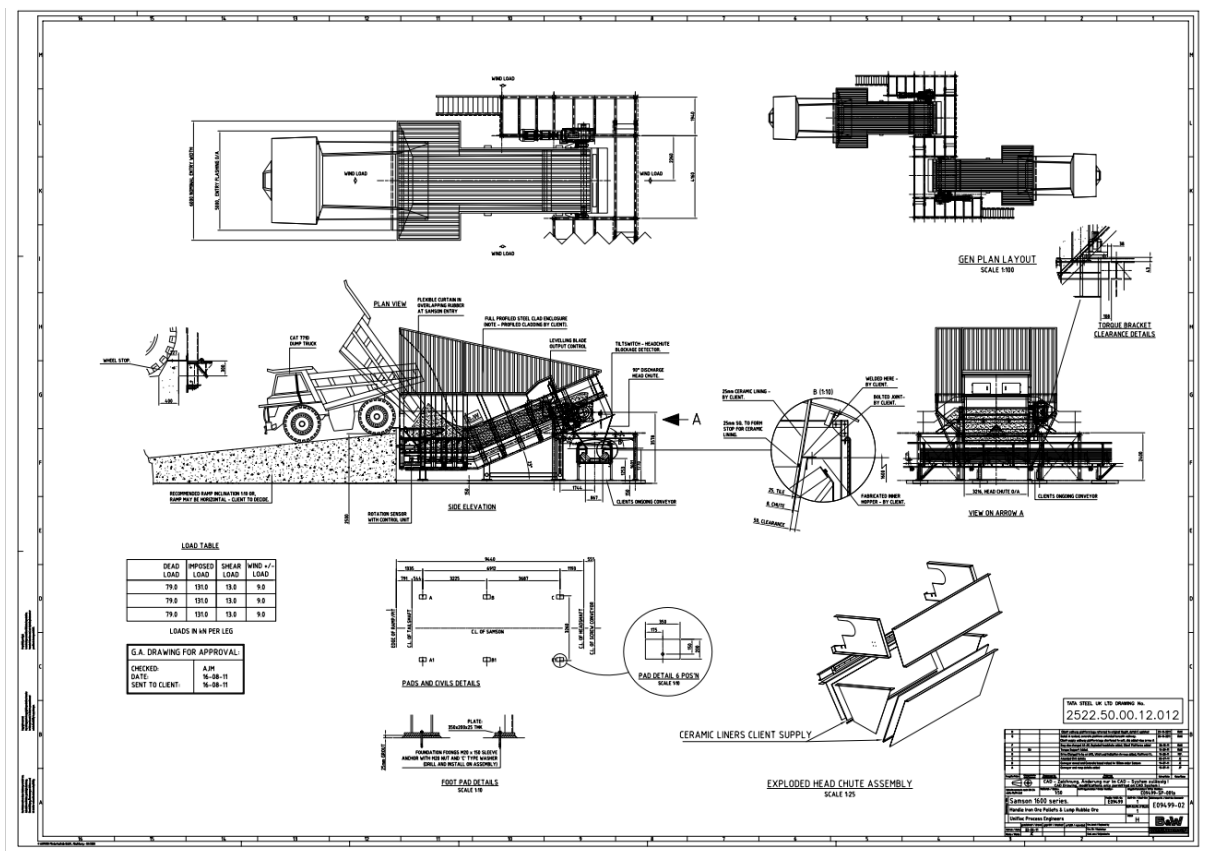
Drawing 3 – Conv. 873



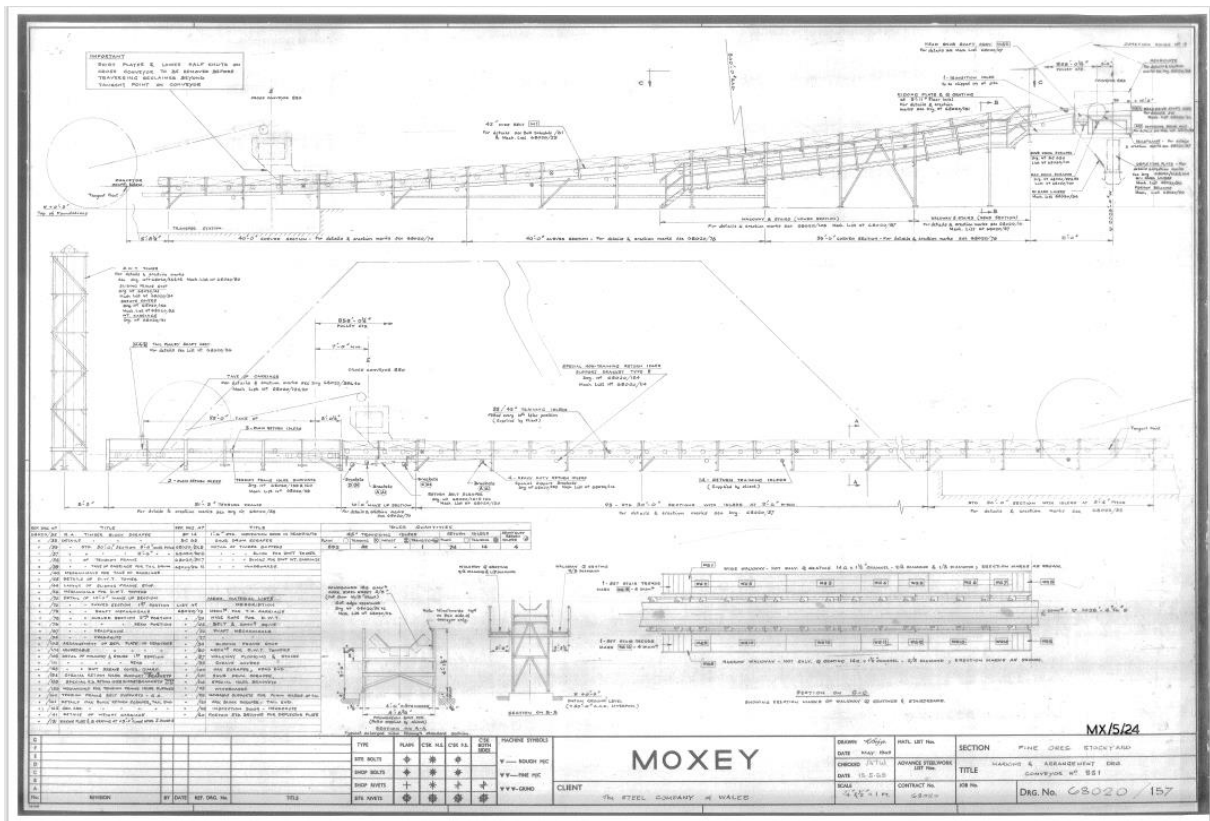
Drawing 4 – Transfer Pit



Drawing 7 – Junction house (JH04 & JH05)



Drawing 8 – 750/751 Samson Feeder



Drawing 8 – Conv 881