



## Docks.

No.		4	5	6	7
Overall length	m	125	289	203	251
Length along blocks	m	100	270	185	235
Breadth at entrance	m	21	42.7	23.3	25.5
Minimum breadth inside	m	25	44.7	23.5	26.1
Blocks (w/l/h)	m	0.3/1.23/1.36	1.53/420/1.5	1.23/32/1.36	1.23/0.31/1.31
Maximum water depth over blocks	m	8	11.5	9	10
Average time to pump dry	hrs	4	3.5	3	4
Permanent dockside craneage	tonnes	1 x 15	1 x 50/ 1 x 15	1 x 40/ 1 x 8	1 x 40/ 1 x 26

## Non Tidal Wet Basin.

The wet basin sits in the heart of the Cammell Laird site and has direct access to the River Mersey. Its gate width is 42.7m and it has a minimum of 9m water depth.

### Primary uses:

- Heavy load out of large fabricated structures
- System commissioning
- Afloat repairs

**North Quay:** 271m maximum length

**West Quay:** 285m maximum length

**South Quay:** 305m maximum length



## Construction Hall.

The building is divided length ways into two slipway bays, which are each further subdivided into a flat 'pre-fabrication' area and covered slipway leading to an external slipway.

Overall size (l x w x h)	m	145 x 107 x 50
Overall floor area	m <sup>2</sup>	14998
<b>Divided into</b>		
South pre-fabrication area / south covered slipway area	m	79 x 45 / 66 x 45
North pre-fabrication area / north covered slipway area	m	79 x 35 / 66 x 35
Total external slipway area (n&s combined)	m	200 x 107
<b>Giving</b>		
Overall south slipway / Overall north slipway	m	270 x 41.65 / 270 x 32.5 internal & external
<b>Doors</b>		
North/south side doors (w x h)	m	2 off 18 x 17
South slipway / north slipway (w x h)	m	1 off 42.6 x 26.52 / 1 off 33.6 x 26.52
<b>Cranes</b>		
2 x 130 tonne SWL overhead per slipway / construction bay – 36m under-hook height		
1 x 15 tonne SWL overhead per slipway – 15m under-hook height		



## Dockside Workshops.

### Fabrication Shops

4000 m<sup>2</sup> of main steelwork shops adjacent to No. 5 dry-dock, with a maximum of 10 tonnes overhead craneage supplemented with up to 200 tonne mobile cranes. Fully equipped with semi-automatic MIG welding equipment, submerged arc panel welding tractors and 'Moggie' stiffener welding tractors. Brake press capacity of up to 600 tonnes, rollers, guillotines up to 12mm etc.

There is a large steel processing plant within a 1 mile radius, holding stock of several thousand tonnes and complete with blasting/painting shop and CNC plasma profiling beds.

All steel is supplied on a just in time basis, blasted and primed and profiled from yard fabrication DXF drawings.

### Pipe Shop

1000 m<sup>2</sup> pipe shop with 5 tonne overhead crane, fully equipped with MIG/TIG welding facilities, cutting, bending and testing equipment.

2 major galvanising facilities within 10 miles, with fast turnaround available.

### Fitting Shop

1000 m<sup>2</sup> mechanical fitting shop with 5 tonne overhead crane, fully fitted with all equipment necessary for mechanical overhauls and engine component refurbishment. The shop is complete with a de-greasing bay for component preparation.

The workshop is equipped with steam cleaning facilities for component preparation.

### Machine Shop

1000 m<sup>2</sup> machine shop equipped with 10 tonne overhead crane. Machinery equipment includes lathes ranging from 400mm Swing \* 1800mm between centres up to 1200mm Swing \* 9000mm between centres. Horizontal and vertical borers up to 1400mm, radial arm drills, slotters and milling machines.

### Electrical & Plant Shop

400 m<sup>2</sup> In house workshop to support temporary lighting, equipment repair and maintenance.

### Shipwright Shop

300 m<sup>2</sup> outfit workshop equipped with various wood working & GRP fabrication machinery to support dry-docking activities, lifeboat repairing and general external outfit activities.

### Rigging Shop

300 m<sup>2</sup> fully equipped rigging shop with in house lifting equipment for up to 200 tonne lifting capacity. Facilities for inspection, testing and maintenance.

All equipment periodically certified to LOLA regulations.

### Storage

The Ship-repair yard covers an area of approximately 45 acres and therefore offers ample outside storage facilities.

There are currently 1200 m<sup>2</sup> of designated secure undercover store facilities complete with 5 tonne overhead crane capacity, and the facility to employ larger mobile. Larger undercover storage areas can be made available if required.



## Bidston Repair Berth.

### Berth 1 (formerly Bidston No. 3 drydock)

Length	m	227
Minimum water depth	m	8
Vessel size limitation	m	160 x 24

### Berth 1 (formely Ilchester Wharf)

Length	m	250
Minimum water depth	m	8
Vessel size limitation	m	190 x 26

### Cranes

1 x 15 tonne SWL dockside crane at berth 1 – Mobile cranes by arrangement

## Facilities & Services.

### Berth 1

Includes all services including shore-power, fire-main, compressed air and main welding supplies.

### Berth 2

Includes shore-power, fresh-water and fire-main only. All other services can be provided with portable plant.

Both quays are adjacent to ample office, work-shop and stores areas which can be tailored for specific project needs.