

# Berth 4 Crane & Cargo Terminal

## Berth 4 Cargo Terminal

The Berth 4 Cargo Terminal is a 17,000m<sup>2</sup> facility adjacent to Berth 4 that is available for hire, featuring:

- a heavy duty pavement for 5-high container stacking;
- a quarantine approved washbay and inspection stand;
- main driveway with boom gate control and capacity for queuing of A-triples, plus secondary driveway;
- a gatehouse with office, crib and amenities; and
- full CCTV coverage with monitors in the gatehouse.

The Port is the Cargo Terminal Operator (CTO) and will ensure that:

- the facility has adequate fencing;
- suitable security systems and monitoring is in place;
- entry and exit points of the terminal are controlled;
- records are maintained of who enters and exits the terminal;
- maintenance of the facility is upheld; and
- events or occurrences are reported to ABF as required.

Any Stevedores operating the terminal under license are the Cargo Handlers and will be required to manage:

- cargo, in and out of the terminal, ensuring that all ABF (Customs) and DWAR (Quarantine) obligations are met. It is expected that the cargo handler will have their own terminal operating system in place;
- staff to ensure they are appropriately trained to discharge their duties;
- relevant approvals that are required;
- correct identification establishment when communicating through ICS; and
- safety of the site while they are operating in it, including coordinating safety protocols if two operators are working together in the terminal.

## New Ship to Shore Crane

A brand new ship to shore crane manufactured by Liebherr will be available to hirers in the first half of 2021. This crane, operating on Berth 4, features the latest in Ship to Shore (StS) technology including fast operating speeds, semi-automation, collision avoidance and operator comfort and safety.

## Berth 4

Berth 4 is a single operational area, encompassing a total Berth area of approximately 10,000m<sup>2</sup> from the quayline to the rear fence line. At the widest point, the Berth is approximately 45m from rear fence to quay line.

## Berth 3 and 4 Interface

Due to the continuous quay line between Berth 3 and 4 an opportunity for dual shipping exists between these Berths. The lease boundary of Berth 3 is approximately 220m. If vessels are required to cross this mark approvals must be obtained from the lessee (NSS) and the Port.

## Berth 4 - Wharf Backing Area

The wharf backing area is approximately 2,400m<sup>2</sup> which provides some capacity for Berth operators to pre-position product prior to the arrival of a vessel. This area may also be booked separately to vessel cargo operations to facilitate productivity (that is, an additional booking for logistical purposes subject to availability).

## Permitted and Restricted Cargoes

The handling of cargoes at Berth 4 needs to be performed by a Port of Townsville licensed Stevedore and is subject to all required approvals (that is, environmental approvals for bulk cargoes).

Currently the only cargoes with specific loading restrictions are Ammonium Nitrate and Class 1 Explosives.



## Cargo Terminal Hire

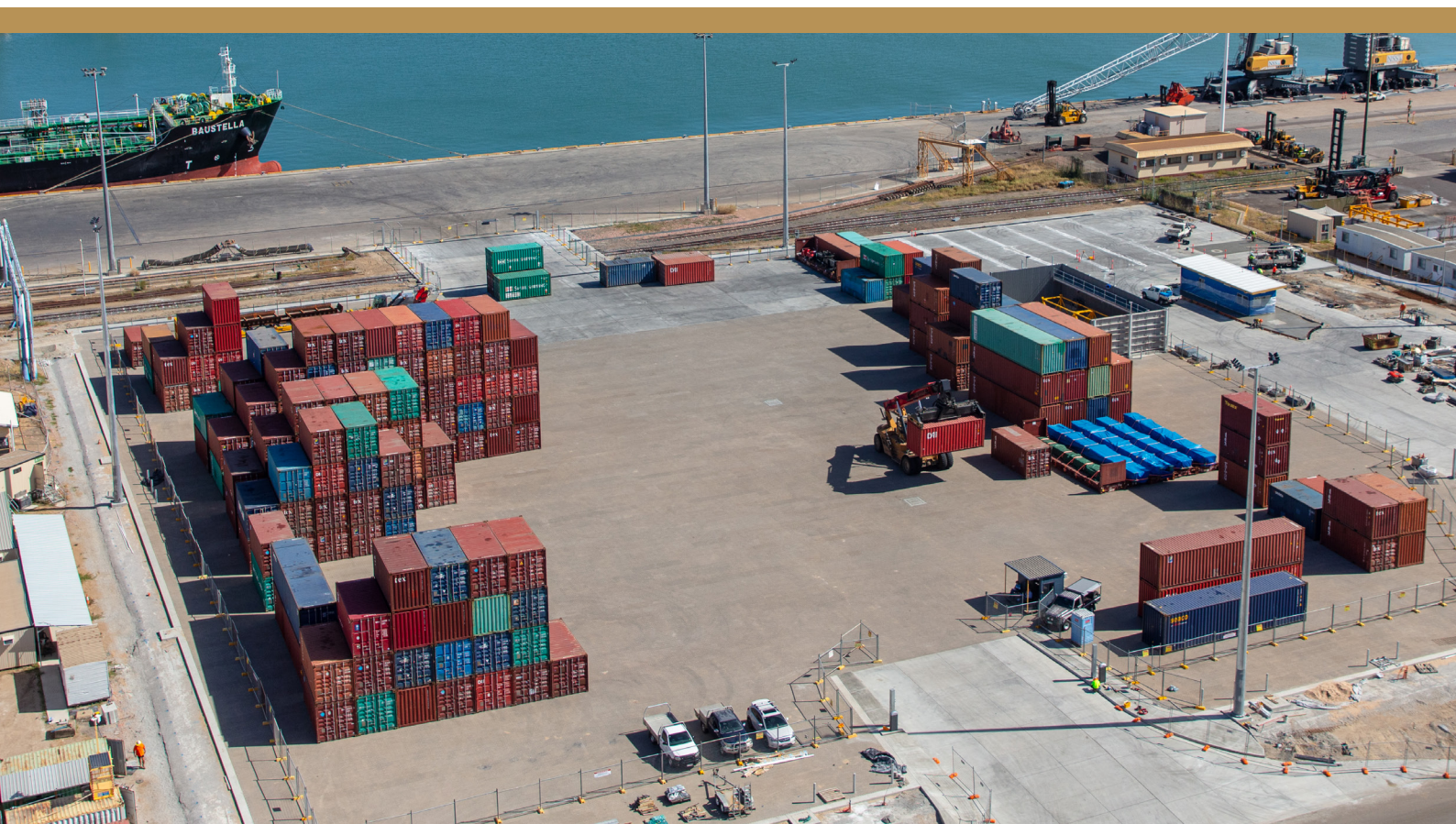
The following conditions apply for the hire of the Cargo Terminal:

- a Terminal Operator Agreement is required to hire the Berth 4 Terminal. Bookings are to be made via Washbay & Backing Land Form on the Port website;
- bookings are to be made in line with a valid Berth Application (minimum 7 days prior);
- booking duration is typically expected to be up to 4 days prior to vessel arrival + vessel duration + 4 days post vessel departure – longer bookings (up to 1 month) can be made subject to availability and priority given to other bookings for a working vessel;
- terminal hire is charged as a daily hire rate for either the full or half area. Refer to the Port's Shipping Charges Schedule for rates;
- the fee includes dry hire of the site, site gatehouse and facilities (excluding washbay);
- all mobile equipment and labour to be supplied by the hirer;
- maritime security services to be hired from the Port via Maritime Security Guard (MSG) Booking Form on the Port website;
- overlapping bookings: if another valid booking request is received that overlaps an existing booking then:
  - the storage area will be allocated at 50% per user, unless otherwise agreed between parties;
  - access to common areas including access points, wash bay, driveways etc are to be maintained at all times;
  - if a party is using storage outside of the expected duration then they will need to vacate the terminal within 4 days to allow for 100% terminal access for the booking associated with the working container vessel; and
  - cargo subject to Federal Government hold beyond the hire period is to be positioned out of the way of the other hirer as far as reasonably possible;
- all other charges as per Port Shipping Charges Schedule (that is, wash bay use, water, power and reefers);
- equipment is not to be stored in the terminal area beyond the hire agreement period, unless otherwise agreed with the Port; and
- the Loop Yard storage area is also available to hire to support terminal operations – that is, empty container storage hire.

## Security

Berth 4 and the Berth 4 Cargo Terminal area are identified as common user facilities. The responsibility for access control to Berth 4 and the Berth 4 Cargo Terminal lies with the Port, which utilises the Port Maritime Security Guards.

The security response for commercial activities will be in accordance with the Port's Port Security Plan in that a Maritime Security Guard (MSG) will be posted at each point of access to the Landside Restricted Zone (LRZ)/Cargo Terminal Entry. Where a LRZ is not declared a MSG will control access to the Cargo Terminal under the Customs Act 1901 (Cth).







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#### BOOKINGS

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#### Berth 4 Specification:

Design Depth <i>See MSQ for current declared depth</i>	12.2m LAT
Deck RL	6.0m LAT
Uniformly Distributed Load <i>10kPa seaward of seaward rail, no load within 1.5m of crane rail</i>	48 kPa
Point Load <i>Point Loads at 5m minimum centres</i>	60t
Forklift Axle Load <i>Based on Omega 48E with 4 front wheels</i>	96.4t
Container Stacking Height on Berth	40ft x 2 high
Berthing Displacement <i>can be upgraded to 140,000t with fender cone replacement</i>	70,000t
Maximum Vessel Length - Berth 4 only	220m
Maximum Vessel Length with Berth 3 <i>Agreement with Berth 3 &amp; Port required</i>	238m

#### Ship to Shore Crane Specification:

Maximum Outreach from Seaside Rail	48m
Maximum Outreach from Quayline	44m
Maximum Backreach from Landside Rail	20m
Maximum Load - Twin Lift	65t
Maximum Load - Single Lift	50t
Maximum Load - Hook Beam	70t
Clearance Under Sill Beam	14m
Maximum Operating Wind Speed <i>Up to 25m/s for relocation to parking area</i>	20m/s
Crane Operating Length <i>Based on B4 rail length of 209m, crane width buffer to buffer of 31m and 2m clearance to buffers.</i>	174m
Hoisting Speed	70 - 175m /min
Trolley Travel Speed	210m / min
Long Travel Speed	45m / min
Gantry Span between Rails	32.6m

#### Terminal Specification:

TEU Capacity <i>* Potential increase to 1,600 TEC by using secondary gate</i>	1,330 TEU*
Container Stacking Height	5 high
Reefer boxes at opening <i>3 sockets supplying 8 boxes each</i>	24 boxes
Reefer boxes total capacity with installation of additional sockets <i>Requires cables, frames and sockets. All conduits already installed</i>	112 boxes
Quarantine wash bay - including 40ft container stand, 2 x pressure cleaners and inspection platform	1
Gatehouse with kitchenette and toilet/shower <i>Additional toilets and crib room available adjacent molasses terminal</i>	1
Carparking designated spots	11 spots
Maximum forklift front axle load <i>For types 1 and 2 pavement, level crossing and wash bay. Driveway for road vehicles only.</i>	105.3 tonnes
Allowable truck size <i>Driveway allows off-road queuing for 2 x A-triple trucks or 4 x Doubles</i>	A-triple
Level crossing width	20m
CCTV cameras available to operators with control station and monitors in gatehouse <i>Covering entrances, exits, level crossing and operational area. Expandable to 7 cameras as required. All Point-Tilt-Zoom (PTZ) cameras.</i>	4 cameras
NBN infrastructure available to gatehouse if required by operators <i>Requires NBN Co to connect to premises.</i>	
Lighting towers for 24hr operation <i>Additional lighting at washbay and gatehouse</i>	4 towers
Boom gate entry and exit	control from gatehouse
Secondary exit gate with boom gate	control from gatehouse