

CASE STUDY:
SOUTH MOLLE ISLAND -
DESIGN, CONSTRUCT, INSTALL
CLIENT: DAYDREAM ISLAND
GROUP
LOCATION:
SOUTH MOLLE ISLAND, QLD



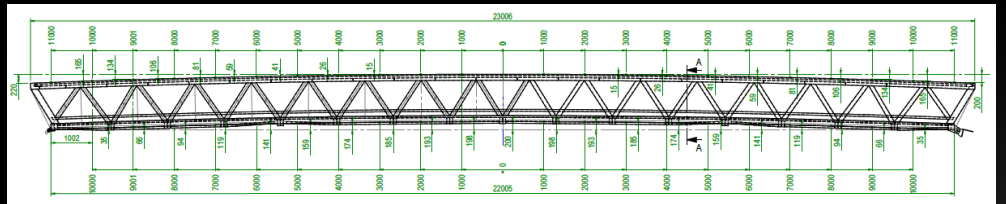
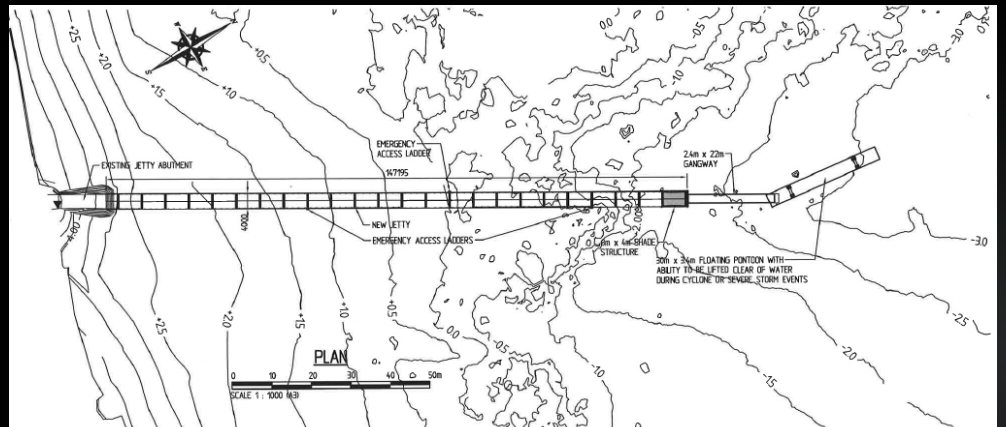
PROJECT BACKGROUND

Nestled in the heart of the Whitsundays, South Molle Island is a remote and vessel-only access location, requiring significant marine coordination for materials and workforce logistics. As part of a key infrastructure revitalisation for the Daydream Island Group, Carter Marine Group (CMG) was engaged to deliver the design, fabrication, and installation of a complete jetty, pontoon, and gangway system at South Molle Island. Working under the head contractor Dick Rowe Marine, the project was executed under challenging circumstances, including COVID-19 restrictions, remote access, and a strict schedule. This end-to-end delivery underlined Carter Marine Group's ability to manage high-spec builds under constrained and remote conditions with the final structure approved by International Marina Consultants as fully fit for use.

SCOPE OF WORKS

- Construction and installation of a fixed FRP-piled jetty with precast concrete superstructure. Pre case works conducted in Airlie Beach
- Custom-fabricated aluminium floating pontoon, built to be hoisted above storm surge level - constructed in Bairnsdale and transported to South Molle by CMG
- Transport included a mix of highway freight and marine delivery, carefully staged for tidal access, COVID -19 restrictions and barge landings
- Articulated aluminium gangway with storm tethering points
- Design and implementation of a solar-powered pontoon lifting hoist system
- Service integration including water, power, fire, and lighting
- 316 stainless steel balustrading and marine ladders with integrated LED lighting
- Removable jetty shade structure with solar illumination
- Comcork anti-slip marine decking and HDPE pile sleeves on the pontoon





KEY PARTNER:



DICK ROWE MARINE



DAYDREAM
ISLAND



INTERNATIONAL
MARINA
CONSULTANTS