

# Precast Element site lifting

## Site approval form

Project: **Beach Haven Development Block A**

Job # **4587**



ph 09 275 9906

Shop drawings for the following precast units have been issued for your approval


Approval is required to confirm that you are satisfied with the anchors shown to be cast into the precast units for lifting, handling and placing on site.

We are unable to commence manufacture prior to receipt of this confirmation.

Product type	Element numbers
Stairs	BHA-1, BHA-2, BHA-3, BHA-4, BHA-5, BHA-6
Landings	BLA-1, BLA-2, BLA-3

The provision for lifting, handling and placing on site is indicated in the shop drawing title block and always commences with "P" for Placement on site.

It describes the method of rigging to lift the element off the truck, and place into final position.



LIFTING TYPES		PANEL DATA
DEMOULDING	D7	GROSS AREA = 18.4 m <sup>2</sup>
LOADING	L1	VOLUME = 2.31 m <sup>3</sup>
PLACING	P21	WEIGHT = 5.90 t
ALLOY		A3 DENSITY = 2.56 t/m <sup>3</sup>

The handling provisions refer to the rigging diagrams on the Precast NZ web site

see [www.precastnz.org.nz](http://www.precastnz.org.nz) under Technical and PrecastNZ Publications "Rigging for handling ..." or type in the following address

<http://www.precastnz.org.nz/wp-content/uploads/2012/08/PCNZ-precaster-rigging-code-2016.01.191.pdf>

A copy of these rigging diagrams can be supplied on request

It is the contractors responsibility to obtain all necessary approvals from crane operators / riggers, placing contractors etc as required.

The contractor confirms they are able to safely lift and place the elements using the handling provisions nominated on our drawings without overloading any part of the element or cast in component

Contractor: \_\_\_\_\_ Name: \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Comments from site or request to change lift method.

**Notes:** **Lifters:** These precast units incorporate lifting anchors which comply with ASTM:E23-1996  
The lifting anchors are supplied by ITW/Reids  
Clutches used for lifting must be approved by the supplier of the anchors

### Concrete strength at time of lifting.

Typically our precast elements have accelerated curing from heating casting beds and achieve acceptable lifting strengths the day following casting.

For critical elements or lifts where concrete strengths in excess of 20MPa at the time of handling on site are required, the contractor must confirm with the manufacturer prior to delivery.