## Appendix J: Example of a lift design request form\*

# Lift design

This form to be completed by the relevant PCBUs.

This form would usually be filled out and sent in together with the drawings of the element to be lifted.

## 1. Project details

Project name:	Name:
Job reference:	Company:
Date design required: DD / MM / YEAR	
Drawing or design number/reference:	Mobile phone:
	Email:

#### Contact details of person requesting design

Name:			
Company:			
Mobile ph	one:		
Email:			

## 2. Precast, tilt-up or prestress details

	PRECAST/TILT-UP	PRESTRESS		
Note: Additional reinforcing may be added to support the lifting anchors				
Mass unit weight at time of lift				
Designed compressive strength of concrete at time of first lift				
Designed compressive strength of concrete at time of installation				
<b>Concrete cover</b> required for lifting anchors (if different to drawing)				
Type of lift	Edge-lift Face-lift Both edge and face	Edge-lift Face-lift Both edge and face		
Orientation of panel	Edge-lift Face-lift Mid-air rotation	Edge-lift Face-lift Mid-air rotation		
Location of pour	On-site Factory Civil Tilt-up Precast	On-site Factory Civil Tilt-up Precast		
Type of lifting inserts (threaded, lifting hoop, foot or eye)				
Prestress force (kiloNewtons)				
Prestress transfer strength (MPa)				
Position of lifting inserts (to be shown on shop drawings/construction drawings/design drawings/lifting design)				

\* Form adapted with permission from Ancon.

	PRECAST/TILT-UP	PRESTRESS		
Note: Additional reinforcing may be added to support the lifting anchors				
Can lifting inserts be moved with the permission of the design engineer to allow a more practical design to be completed?				
Preferred number of <b>load-bearing</b> anchors				

#### 3. Rigging requirements

## Number and type of cranes for demould or first lift



#### Preferred sling angle



#### 5. Additional requests

#### Number and type of cranes to install on-site

Dynamic factor required: (eg for straight lift, or pick-and carry)

Terrain category (see Section 6.6 of these guidelines)