



CREAGH
INNOVATION IN CONCRETE

Safety Guide For Construction

Guidance for handling and installation
of hollowcore units, floor slabs and stairs.



Best Practice

Step 1

Banking vehicle into site



On arrival to site, the delivery vehicle will be met by a Creagh banksman and banked into position for unloading, as per the lift plan.

Step 2

Opening the trailer



The lorry driver will open the rear doors and roof of the trailer. A ratchet strap will be placed across the opening to provide protection from falling.

Step 3

Access to the trailer



Access to the trailer will be gained by using the ladders that are attached to the trailer or via a podium designed to fit the rear of the trailer.

Step 4

Slinging



The slinging of the units will only be carried out by a trained CPCS trained slinger/signaller. The slinger will ensure that the load is secure and safety chains are fitted to the precast floor units correctly prior to carrying out the lift.

Step 5

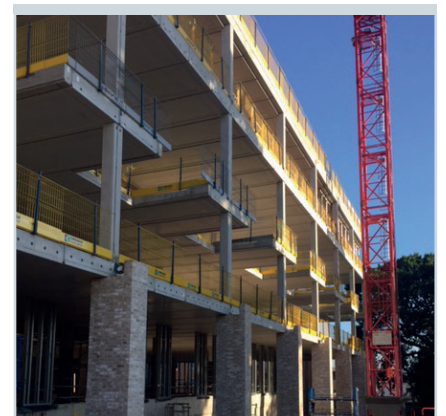
Lifting chains & pins



All chains and lifting equipment will be visually inspected and recorded on a LOLER. This document will be completed weekly. Chains will have a visual inspection each time they are used, checking for damage from buckling or frayed slings. If the chains or slings are damaged they are discarded and marked - **DO NOT USE, OUT OF SERVICE.**

Step 6

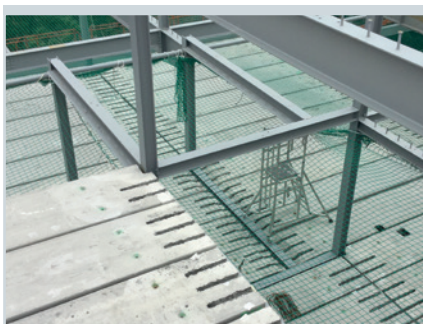
Floor edge protection



All open edges will have a propriety edge protection system or scaffolding erected to provide edge protection.

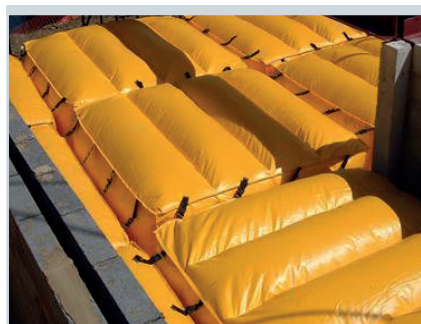
Step 7

Options for working safely at height



1 Nets

On steel frame buildings safety nets are installed by FASET trained operatives to provide a collective fall arrest system.



2 Airbag Safety System

Supplied and installed by Creagh, the Airbag Safety System comprises a range of standard sized modular bags, these are interlinked for quick and simple site placement in conjunction with the precast floor installation. The adaptable system is suitable for commercial and residential sites.

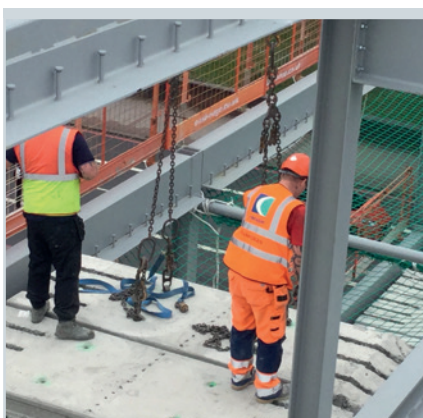


3 Leading Edge

In cases where it is not possible to have a fixed barrier, airbags or nets in place to land precast units, a fall restraint system will be used, typically LEADING EDGE. This is a system used by trained and competent operatives. A life line is set between two points and restraint lanyards attached to that lifeline. This restraint system allows the operative to work safely at height.

Step 8

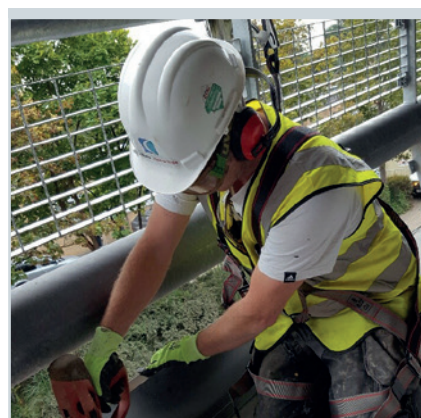
Plank install



The installation of precast planks will be carried out by trained precast installers under the supervision of a lift supervisor and SSSTS qualified supervisor. Once the lifters are attached, additional safety chains are placed around the plank for safety of installation.

Step 9

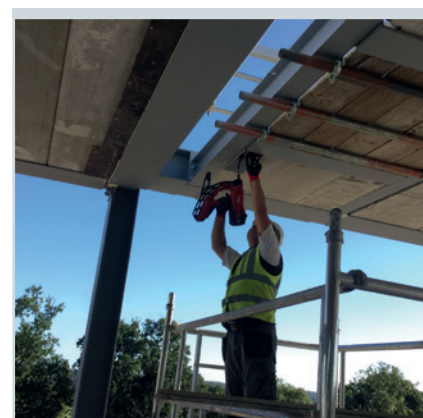
Edge trimming



Edge trimming to be installed by operatives wearing appropriate PPE; Ear defenders and impacted goggles.

Step 10

Shuttering



Access to install shuttering will be gained via podiums.

Best Practice (cont'd)

Step 11

Tie bars & grouting



Tie bars and grouting will be carried out by a wet works team. Ready-mix grout will arrive to site and concrete pumps will be used. A banksman will be used to assist with the positioning of the concrete pump. Where grout is mixed on site this will be carried out by an operative wearing FFP3 dust masks who have been facefit tested.

Step 12

Finishing



Finishing works will be carried out by fully trained operatives using scaffold or podiums, while grinding operatives will wear impact goggles, ear defenders, FFP3 dust masks and trained face fit personnel.



CREAGH

INNOVATION IN CONCRETE

CREAGH CONCRETE PRODUCTS LTD

38 Blackpark Road, Toomebridge,
Co. Antrim, N. Ireland
BT41 3SL

Tel: 028 7965 0500
ROI: 048 7965 0500

safety@creaghconcrete.com
Creaghconcrete.co.uk