J. McCann & Co Limited

LIFTING PLAN - C18007 / LP / 001

1. Task to be undertaken

Lift (installation, removal and relocation) of Heritage Lighting Columns with lorry loader FJ58 FMG on the West End Project - Camden for Eurovia Contracting.

2. Basic information

Customer Details	Customer	Eurovia Contracting
	Site	Tottenham Court Road, London
	Contract	West End Project - Camden
	Contract No.	C18007
	Date of Lifting Operation	5th March 2018 – Onwards LOLER Expiry: 20th April 2018
Load Information	Load	Heritage Lighting Columns (see drawings)
	Weight of Load – Worst Case	Worst case: 700kg (including steel core refit) + 25kg Accessories
	Load Dimensions– Worst Case	Bolt Down: 7.4m column elevation (2.0m Lantern removed) With Steel Core Insert: 7.4m + 1.4m = 8.8m
	Lifting Points	None, use 1 number fibre round sling in choke hitch positioned at 2/3rds up the column for vertical lift and 1 number choke hitch positioned at balance point for horizontal lift
	Maximum Radius of Lift	**Full/Short rig Configuration:** 12.50m straight out; 10.20m with lifting point at 8m above ground **Stabilisers IN and DOWN:** 8.10m straight out; 8.10m with lifting point at 8m above ground
	Maximum Height of Lift	Hook height 8m above ground, Base of load 1m above ground
	Indicated Cab Height	3.581m or 11'9''
	Loaded Travel Height	10m Column = 3.4m or 11'2'' - Less than Indicated Cab Height
Lorry Loader Information	Lorry Loader Make	Palfinger
	Lorry Loader Model	PK 20002 C
	Lorry details	IVECO Stralis - Reg; FJ58 FMG

	Rated Capacity @ Max Radius– Worst Case	**Full/Short rig Configuration:** 1230 kg, Spare Capacity 505 kg or 41% **Stabilisers IN and DOWN:** 950 kg, Spare Capacity 225 kg or 23%
	Stabilizer Configuration	Fully deployed to 4.8m. Where not possible due to width constraints, short rig to 3.56m Where TM safety zones not possible to maintain due to width restrictions, stabilisers can be deployed directly IN and DOWN. Stabiliser width 2.314m
	Maximum Stabilizer Load	76.21 kN max loading
Site Conditions	Access to Lift Area	Access lift area using existing carriageway
	Ground Conditions	Lift off existing metalled road within traffic management - Loadings not to exceed 350kN/m^2 (Assumed)
	Voids Underground	Ensure stabilizers positioned to avoid ironwork within carriageway
	Underground Services	None communicated – check to confirm when setting up, see risk assessment
	Public Interface	Site secured within Traffic Management established by Principle Contractor. Do not enter TM until told it is full established. Do not deploy plant/stabilisers within TM safety zones.
	Overhead Lines / Obstructions	None communicated – check to confirm when setting up, see risk assessment

	Specific Requirements	Where lifting at night, ensure that the work area is suitably illuminated so the work area can be clear seen. Within the site, establish lifting exclusion zone. Only begin lift when exclusion zone is clear of none lifting team operatives. Always operate crane using remote controls unless an emergency occurs. Install vehicle edge protection before accessing vehicle bed. Loaded travel height may exceed cab height, check loaded height and amend vehicle height indicator to suit before traveling.

3. Identification of hazards - Risk assessment

Where a hazard is identified on site by the lifting team and the hazard is not contained in the Risk Assessment below, then stops works in a safe manner and immediately contact the appointed person.

Operation/Issue	Hazard	Risk	Control Measures to Avoid or Minimise Risk	Residual Risk
a) People in area	Struck by: • Lorry loader boom • Lorry loader chassis • Moving load	High	• Public excluded from secure site • Establish effective exclusion zone in conjunction with Site Representative • All personnel to wear high visibility clothing • Ensure lifting team are fully briefed on need to keep clear of load during lifting	Low
b) Lorry loader stability	Ground unable to support lorry loader	Med	• Establish presence of voids/underground services and their exclusion zones with Site Representative • Assess ground and establish required size of stabilizer mats • Crane Supervisor to check that mats supplied match those specified in lift plan • Deploy stabiliser leg onto centre of each mat	Low
	Lorry loader overloaded	High	• Pre-use check of RCL system on loader • Lorry Loader operator to have valid ALLMI/CPCS card • Maximum weight of load to be 90% loader capacity	Low
	Lorry loader failure	Med	• Ensure lorry loader has been adequately maintained and has current Report of Thorough Examination.	Low
c) Movement of load	Bridge strike during transit	High	• Check height of secured load before travelling • Check and amend vehicle height indicator in cab • Check route for low bridges and avoid • Stow plant with booms down as stated in	Low

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Operation/Issue	Hazard	Risk	Control Measures to Avoid or Minimise Risk	Residual Risk
	Load collides with structure	Med	• Tag line to be attached to load to control rotation • Complete “dry run” without load first at critical locations	Low
	Load collides with Overhead Services	High	• Establish exclusion zone from path of Overhead Services in accordance with BS7121 part 4 guidelines (15m from steel towers, 9m from poles) • Position Lorry Loader to prevent accidental entry into exclusion zone • Tag line to be attached to load to control rotation	Med
	Persons hand crushed/trapped by load	Med	• Tag line to be used • Gloves to be worn • All slinging to be completed by Slinger/Signaller with valid CPCS card	Low
d) Suspended load	Load may fall on person or property	High	• Ensure lorry loader has been adequately maintained, has current Report of Thorough Examination and that pre-use checks are carried out • Ensure lifting accessories with adequate capacity have been selected, that they are adequately maintained, have current report of thorough examination and that pre-use checks are carried out • Attach accessories in line with manufacturers guidance • Prior to every lift, complete a test lift to confirm load is secure and balanced • Operate loader controls in a smooth and steady manner to prevent “Shock Loading” of accessories	Low
	Loose parts on load may fall	High	• Inspect load for lose objects prior to lift and secure/remove loose items. • All personnel to wear hard hats.	Low
e) Working at Height	Person falling from height when attaching or removing accessories from lorry bed	High	• Delivery vehicle to be provided with ladder for access/egress to vehicle bed and for attaching/detaching chain sling to/from load • Lorry bed to be fitted with edge restraint system prior to accessing lorry bed on foot • Lorry loader controls to be operated at ground level • Where practical, pre-sling load	Low
	Person falling from ladder when attaching or removing accessories from load	High	• Do not use ladder to climb onto load • Ladder to be class 2 and inspected each time before use • Ladder to be positioned at 75^{o} and securely footed • Operatives to maintain three points of contact whilst on the ladder	Low
f) Site traffic	Collision with load/lorry & members of lifting team.	High	• Follow site traffic management and brief staff on importance of keeping clear of vehicle when moving • Deploy barriers around lifting area to prevent access during the lift • Lorry to be moved only when crane and stabilisers correctly stowed	Low
g) Environmental conditions	High wind causes load to collide with fixed object	High	• Wind speed to be checked with hand held anemometer by Crane Supervisor before lift starts to ensure within manufacturer’s recommended maximum	Low

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Operation/Issue	Hazard	Risk	Control Measures to Avoid or Minimise Risk	Residual Risk
	Lorry loader becomes unstable	High		Low
	Limited visibility causes load to collide with fixed object	High	• At night, only lift load when lift area and load are suitably illuminated • Do not lift load when visibility is reduced by weather conditions	Low

4. Category of lift

Load Complexity	1
Environmental Complexity	1
Lift Category	Basic

5. Lifting Team

Role	Name
Appointed Person	Ben Feltham
Project Supervisor	Marvin McGill
Loader Operator 1	Eamonn Saunders
Loader Operator 2	
Loader Operator 3	
Loader Operator 4	
Slinger/Signaller 1	Eamonn Saunders
Slinger/Signaller 2	
Slinger/Signaller 3	
Slinger/Signaller 4	
Note: For Basic lifts the Operator can sling their Loads if suitably trained	

6. Equipment

Equipment	Specification	Maintenance Records	TE Report
Lorry Loader	Palfinger PK 20002 C 100134	Current and with vehicle	Current and with vehicle
Lifting Accessories	Single Column: 1 Fibre Round sling, 3.0 tonne SWL, 1.5 metres in length. Applied in Choke Hitch, **WLL = 2.4 tonne**	Current and with vehicle	Current and with vehicle
Stabilizer Spreader Pads	2 No. 500mm x 500mm	n/a	n/a
Pedestrian Barriers	2 Pedestrian Barriers for cordon	n/a	n/a
Hand held Anemometer	Displays wind speed in m/s	Pre-use check	n/a
Communication	Verbal and Hand signal	n/a	n/a

Method	communication		

7. Procedure

- Lift supervisor to visit site office, confirm lift plan and obtain Permit to Work if required.
- Driver to secure edge restraints and loads to be delivered and amend vehicle height indicator as required.
- Loader operator to complete daily pre-use checks on lorry loader before arriving on site.
- Vehicle and lifting team brought onto site.
- Lift supervisor to check and ensure site details still in accordance with the lift plan and briefed to the lifting team, all lifting team members to sign to confirm understanding of lift plan and method statement.
- Lifting team to place barriers to exclude others from operating area during lift.
- Loader operator to use anemometer to confirm lorry loader will be operated within manufacturers specified wind speed.
- Loader operator to fully deploy legs on correct sized stabiliser mats and unstow loader crane.
- Lifting team to complete unloaded “dry run” of loader crane movements to confirm positions of team, landing site and methods of communication during lift.
- Slinger/singaller to complete pre-use checks on lifting accessories and ensure correct lifting accessories are to be used as detailed in the lift plan.
- Loader operator to position crane hook and attach lifting accessory to hook, where attaching a round sling attach a guide rope to the round sling.
- Loader operator to position lifting accessory correctly to support load.
- Loader operator to elevate crane hook to remove slack within lifting accessory, slinger/signaller to adjust lifting accessories as required.
- Lifting team to ensure exclusion zone is clear and it is safe to proceed and wind speed is within manufacturer’s specified maximum.
- Following the slinger/signaller’s instructions, the loader operator will raise, position and land load into the correct position.
- Loader operator to lower crane hook and then sligner/signaller to remove lifting accessory from hook.
- Slinger/signaller to complete post-use check of lifting accessories and quarantine any damaged lifting accessories from further use.
- Lifting team to remove exclusion zone barriers
- Loader operator to stow crane, stabilizer legs and remove cordon
- Driver to secure edge restraints and loads to be delivered and amend vehicle height indicator as required.
- Team to leave site

8. Revision Status and Distribution of Method Statement

Issue Date	10-08-17	
Revision	Issue: 1 Rev. 0	
Distribution	Appointed Person	Ben Feltham
	Project Supervisor	Marvin McGill
	Client Representative	

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9. Signatures

LIFT TEAM	SIGNATURE	DATE
Appointed Person	Ben Feltham	28 / 02 / 2018
Project Supervisor		
Lorry Loader Operator 1		
Lorry Loader Operator 2		
Lorry Loader Operator 3		
Lorry Loader Operator 4		
Slinger / Signaller 1		
Slinger / Signaller 2		
Slinger / Signaller 3		
Slinger / Signaller 4		
Site Representative		

Selection of Accessories

Worst case: Metal – 10m root based heritage column with steel core – weight 700 kg with no lifting points

For vertical lift, recommend fibre round sling 1.5 metres long 3000kg capacity in a choke hitch positioned at 2/3rds up the height of the insitu column. SWL = 2400 kg.

Or

For horizontal lift, recommend fibre round sling 1.5 metres long 3000kg capacity in a choke hitch positioned at column balance point of the horizontal column. SWL = 2400 kg.

Summary of typical column sizes and weights

Chart to be used to determine existing column weight when column specific information not provided.

This lift plan is only suitable for lifting the highlighted column types.

Manufacturer	Column Type	Foundation	Length m	Bottom ø mm	Upper ø mm	Weight kg
Valmont Stainton	8m Tubular Steel Column	Root	9.2	168.3	88.9	88.1
Valmont Stainton	10m Tubular Steel Column	Root	11.5	168.3	114.3	124.5
Valmont Stainton	12m Tubular Steel Column	Root	13.7	193.7	139.7	174.9
Valmont Stainton	15m Tubular Steel Column	Root	17.0	193.7	168.3	306.0

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Valmont Stainton	8m Tubular Steel Column	Flange	8.0	168.3	88.9	87.0
Valmont Stainton	10m Tubular Steel Column	Flange	10.0	168.3	114.3	128.0
Valmont Stainton	12m Tubular Steel Column	Flange	12.0	193.7	139.7	183.0
Valmont Stainton	15m Tubular Steel Column	Flange	15.0	193.7	168.3	304.0
Valmont Stainton	8m Octagonal Steel Column	Root	9.5	234.0	76.0	118.0
Valmont Stainton	10m Octagonal Steel Column	Root	11.7	285.0	76.0	170.0
Valmont Stainton	12m Octagonal Steel Column	Root	13.7	350.0	102.0	335.0
Valmont Stainton	15m Octagonal Steel Column	Root	17.0	350.0	102.0	425.0
Valmont Stainton	8m Octagonal Steel Column	Flange	8.0	209.0	76.0	92.0
Valmont Stainton	10m Octagonal Steel Column	Flange	10.0	255.0	76.0	133.0
Valmont Stainton	12m Octagonal Steel Column	Flange	12.0	350.0	102.0	330.0
Valmont Stainton	15m Octagonal Steel Column	Flange	15.0	350.0	102.0	390.0
Valmont Stainton	12m Derwent Oct Mid Hinged R&L	Root	13.7	308.5	76.0	314.0

Manufacturer	Column Type	Foundation	Length m	Bottom ø mm	Upper ø mm	Weight kg
Sapa	Passively Safe 10m Column – Single Bracket	Root	10.95	200.0	76.0	66.2
Sapa	Passively Safe 10m Column – Double Bracket	Root	11.40	200.0	76.0	69.7

Manufacturer	Column Type	Foundation	Length m	Bottom ø mm	Upper ø mm	Weight kg
Abacus	6m Tubular Steel Column – Heavy Duty	Root	7.2	168.0	114.0	67.0
Abacus	8m Tubular Steel Column – Heavy Duty	Root	9.2	194.0	114.0	101.0
Abacus	10m Tubular Steel Column – Heavy Duty	Root	11.5	194.0	140.0	158.0
Abacus	12m Tubular Steel Column – Heavy Duty	Root	13.7	219.0	168.0	257.0
Abacus	6m Tubular Steel Column – Heavy Duty	Flange	6.0	168.0	114.0	78.0
Abacus	8m Tubular Steel Column – Heavy Duty	Flange	8.0	194.0	114.0	108.0
Abacus	10m Tubular Steel Column – Heavy Duty	Flange	10.0	194.0	140.0	158.0
Abacus	12m Tubular Steel Column – Heavy Duty	Flange	12.0	219.0	168.0	258.0
Abacus	6m Octagonal Steel Column – Heavy Duty	Root	7.0	158.0	76.0	81.0
Abacus	8m Octagonal Steel Column – Heavy Duty	Root	9.2	183.0	76.0	78.0
Abacus	10m Octagonal Steel Column – Heavy Duty	Root	11.5	210.0	76.0	200.0
Abacus	12m Octagonal Steel Column – Heavy Duty	Root	13.7	232.0	76.0	260.0
Abacus	6m Octagonal Steel Column – Heavy Duty	Flange	6.0	146.0	76.0	75.0
Abacus	8m Octagonal Steel Column – Heavy Duty	Flange	8.0	170.0	76.0	101.0
Abacus	10m Octagonal Steel Column – Heavy Duty	Flange	10.0	193.0	76.0	112.0
Abacus	12m Octagonal Steel Column – Heavy Duty	Flange	12.0	230.0	100.0	282.0
Abacus	6m Base Hinged Column – Heavy Duty	Root	7.2	219.0	114.0	106.0
Abacus	8m Base Hinged Column – Heavy Duty	Root	9.2	219.0	114.0	137.0
Abacus	10m Base Hinged Column – Heavy Duty	Root	11.5	219.0	114.0	164.0
Abacus	12m Base Hinged Column – Heavy Duty	Root	13.7	219.0	114.0	185.0
Abacus	6m Base Hinged Column – Heavy Duty	Flange	6.0	219.0	114.0	102.0
Abacus	8m Base Hinged Column – Heavy Duty	Flange	8.0	219.0	114.0	122.0
Abacus	10m Base Hinged Column – Heavy Duty	Flange	10.0	219.0	114.0	145.0
Abacus	12m Base Hinged Column – Heavy Duty	Flange	12.0	219.0	114.0	173.0

Pad Size Calculation

Recommend 500mm x 500mm pads under each stabiliser, see calcs below for worst case short rigging of stabilisers (straight down on far-side and fully extended on offloading side). When short rigging only lift load on fully rigged side.

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Determination of pad size for loader crane stabilisers

Enter values in highlighted fields | value

Section 0: Loader Crane Details

Make Palfinger **Model** PK 20002 C

Section 1: Determination of gross lifting moment, **Ma**

Gross lifting moment (load moment) specified by manufacturer — **Ma =** kNm

Where gross lifting moment is not specified, calculate Ma by entering the following values:

Maximium hydraulic radius	D1 =	12.5	m
Rated capacity at maximum hydraulic radius	L =	725	Kg
Radius of centre of gravity for the dead weight of the loader crane	D2 =	2.5	m
Dead weight of the loader crane	W =	2590	Kg
Factor of safety	FS =	1.4	
Standard gravity constant	g =	9.81	N/Kg

$$Ma = \frac{((D1 \times L) + (D2 \times W)) \times FS \times g}{1000}$$

Ma = 213.392 kNm

Section 2: Determination of force loading at primary stabilisers, **Rmax1**

Gross lifting moment	Ma =	213.392	kNm
Span of primary stabilisers in stowed position	S =	2.48	m
Offset of loader crane column	O =	0.15	m
Avaliable deployment width of kerbside stabiliser	K=	1.71	m

$$Rmax1 = \frac{Ma}{(S / 2) + K - O}$$

Rmax1 = 76.21143 kN

Section 3: Determination of minimum spreader pad size for short rigged configuration

Force loading at primary stabiliser — **Rmax1 =** 76.21143 kN

Ground bearing capacity (Assumed) — **GBC =** 350 kN/m²

$$Pad\ Area = \frac{Rmax}{GBC}$$

Primary Pad Area = 0.217747 m²

Primary Pad Size: 466.6336 mm square

Note 1: Formulars taken from ALLMI Guidance Note 013 - Stabiliser Forces

Note 2: 1 kN = 101.972 kg

Lifting Machines and Accessories Report

Lifting Operations & Lifting Equipment Regulations 1998
Provision & Use of Work Equipment Regulations 1998
Thorough Examination

Name of User MCCANN HOLDINGS LTD AND SUBSIDIARIES
Location HEMLOCKSTONE WORKS, COVENTRY LANE, BRAMCOTE, NOTTINGHAMSHIRE, NG9 3GJ

Policy No. NZ27060240 **Report No.** E34991014185 **Contract No.**

Item No. Examination Dates: Last Current Next	Description Serial No. Make/Model Year of Manufacture Location Examination Scheme Number	Safe Working Load(s)	A. Defects which could cause a danger to persons. Particulars of any repairs, renewals or alterations to rectify those defects and the time within which those defects shall be rectified. B. Identification of any other parts that require rectification. C. Observations and Recommendations. (issues relating to health and safety. Any actions stipulated should be suitably and satisfactorily completed.)
FJ58 FMG Unknown 20-Oct-2017 20-Apr-2018	Lorry Loading Crane 100088360 Palfinger PK20002 2008	5800kg @ min radius to 1230kg @ 12.5m radius all with stabilisation legs deployed.	A None B None C None

The above items were seen at :
(If blank, refer to the Location details)

Examination carried out on behalf of:
Client Name
Address

MCCANN HOLDINGS LTD AND SUBSIDIARIES
110 NOTTINGHAM ROAD
CHILWELL
NOTTINGHAM

NG9 6DQ

First Thorough Examination

Subject to the satisfactory completion of any remedial action to defects noted on this report, which are or could become a danger to persons, the equipment is considered as having been installed correctly, and is safe to operate. (On the basis of a visual thorough examination of the equipment).

Regular Thorough Examination

Subject to the satisfactory completion of any remedial action to defects noted on this report, which are or could become a danger to persons, the equipment is considered as being safe to operate. (On the basis of a visual thorough examination of the equipment).

Date of commencement of examination and tests 20-OCT-2017
Date of Report 20-OCT-2017
Engineer Surveyor

Simon Barnes

Competent Person
Allianz Engineering
UK Tel: +44 (0) 1428 722407
ROI Tel: +00353 (0) 1 613 4081

REPORT OF THOROUGH EXAMINATION

As Required By The Lifting Operations And Lifting Equipment Regulations (LOLER) 1998

Date Of Examination & Test 27 / 08 / 2014		**Report No.** 14/1450
Loader/ Attachment Make PALFINGER	**Type** PK20002	**Serial No.** 100088360 **Date of Manufacture** 2008
Stabiliser/s Spread. Main EXTENDED & DEPLOYED **Remote** N/A Note:- Rated Capacities quoted below only apply with stabilliser/s set in the above operating position.		**Specific Operating Conditions** LOAD HOOK
Name and Address of Equipment Owner or Employer J.McCANN LTD. COVENTRY ROAD BRAMCOTE NOTTINGHAM		If the test was not performed at this address, state where it was carried out.
Lorry-Loader Mounting Details BEHIND CAB / FRONT OF CHASSIS		**Reg No. Or Chassis No.** FJ 58 FMG
Date of the most recent test and examination: **Number of the record issued on that occasion:** 3/6/14 14/1412		

Reason For Test (Please tick)

Commissioning LOLER 6	Annual LOLER 6.3.a(ii) or Company Specific	4 Yearly BS 7121-2 ✓	Exceptional Circumstances LOLER 9.3.a (iv)

Rated Capacities & Overload applied

Note:- Capacities below Include any hook, attachments, slings, chains, etc. i.e. the weight of the hook, attachments, slings etc. must be included as part of the load.

RADIUS (M)	RATED LOAD (Kg)	TEST LOAD (Kg)	OVERLOAD (%)
6.10m.	2690kg.		
8.10m.	1950kg.		
10.30m.	1500kg.		
12.50m	1230kg.	1537kg.	25.00%

Condition: Please give details of any specialist systems fitted to the crane eg. Stabiliser interlocks, over the cab de-rates, manual extensions, fly jib etc.

Defects Noted and Alterations or Repairs required

To Be Repaired Immediately (before loader is put into service) or by / /

Latest date by which the next 4 yearly examination must be carried out 27/08/2018
Latest date by which the next annual examination must be carried out 27/08/2015

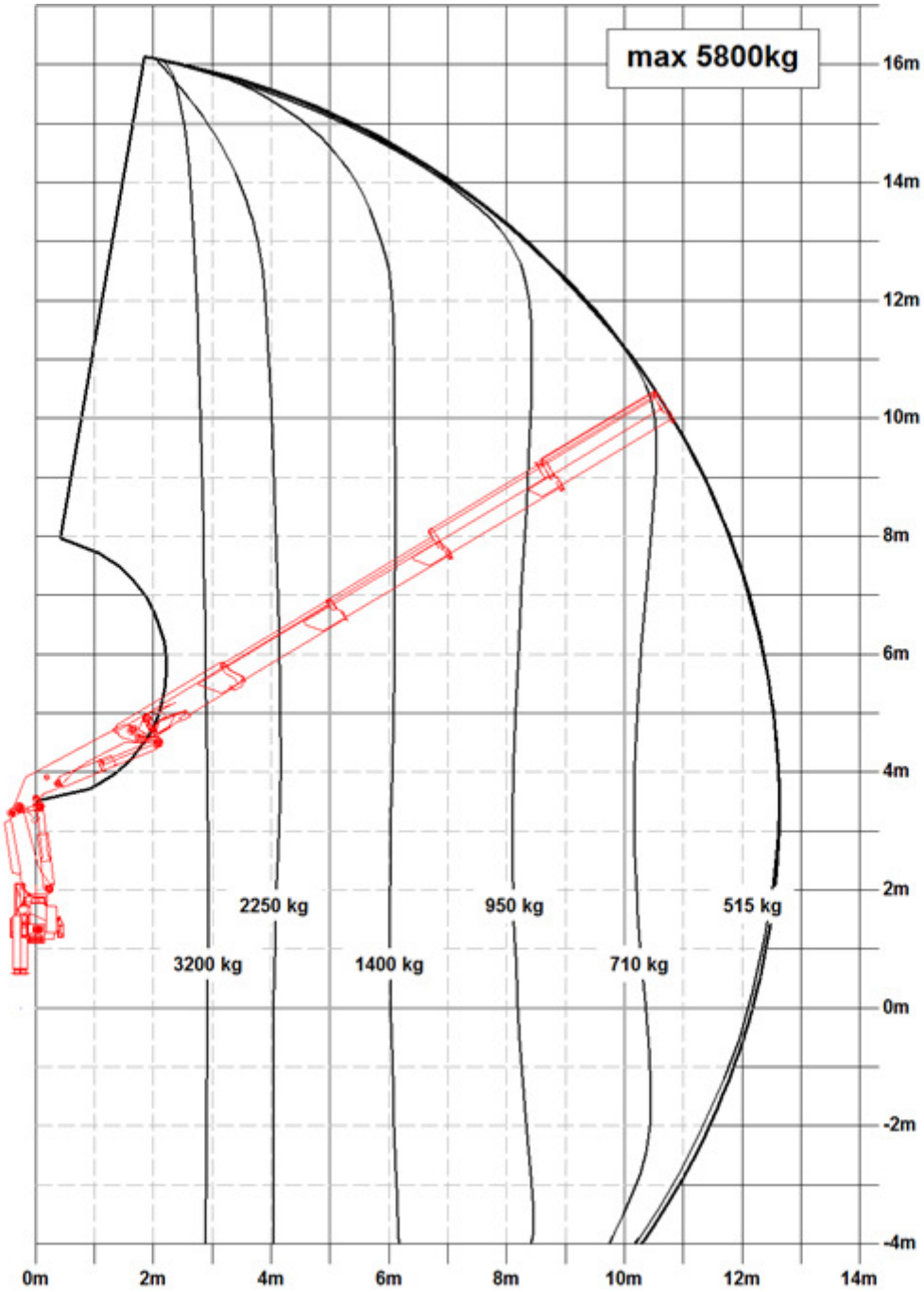
I hereby certify that the lorry loader described in this certificate was tested and examined on the date given, that the above particulars are correct, that it is/ is not installed correctly and that it is/ is not safe to operate. (delete as appropriate)

The travelling height label and indicator is set at 11ft. 9ins.

Name Of Competent Person: Philip Bramall **Signature** **Date** 27/8/14

HYDRAULIC LOADING
TRUCK LOADER SERVICE
24 Junction Road,
Woodhouse,
Sheffield S13 7RQ

VAT No. 646333634
Phone/Fax: (0114) 269 2260
Mobile: 07836 222772
Email: philbramall@aol.com



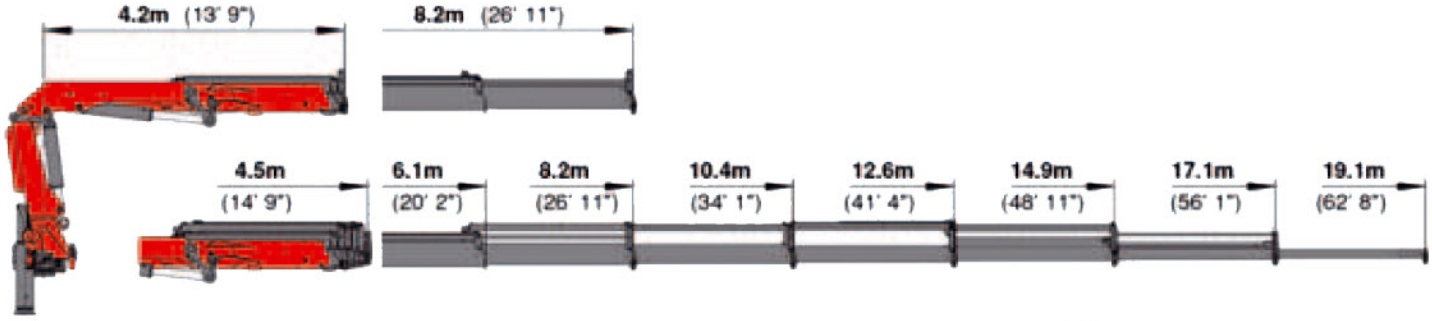
Working Pressure 61%

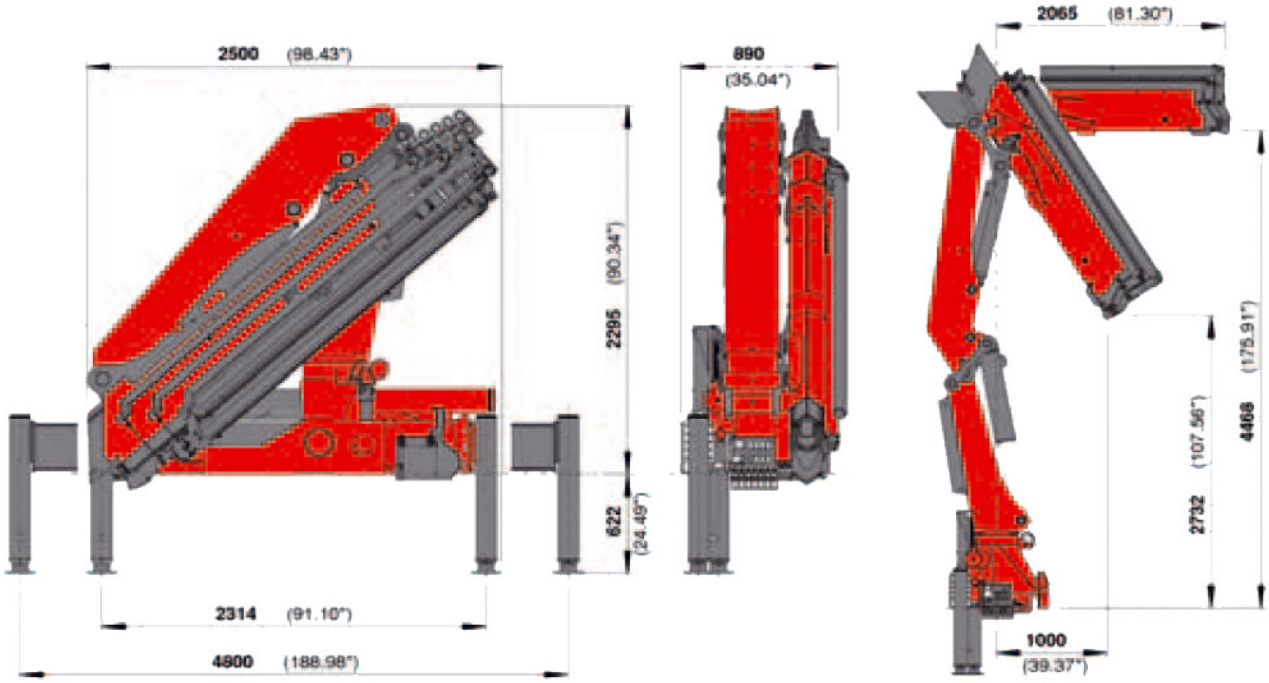
PALFINGER

LIFTING CAPACITY DIAGRAM CRANE

PROJECT DATA

Project Number:	
Consignment:	
Installation Type:	
Carrier:	J McCann & Co (Nottm) Ltd
Cab:	
Wheel Base [mm]:	2314mm
Permissible axle load [kg]:	
Load Max [kg]:	See chart
Payload [kg]:	
Crane:	PK20002C-HPLS (s304-ska) R3X 61%
Additional Stabilizer:	Stabilisers IN and DOWN
Container Handling System:	





PK 20002 *Performance*		
Technical specifications (DIN 15018 H1-B3)		
Max. lifting moment	19.0 mt/186.4 kNm	137430 ft.lbs
Max. lifting capacity	6100 kg/59.8 kN	13450 lbs
Max. hydraulic outreach	17.1 m	56' 1"
Slewing angle	400°	

PK 20002 *Performance*		
Standard crane		
Slewing torque	2.3 mt/22.6 kNm	16660 ft.lbs
Outreach	8.2 m	26' 11"
Stabilizer spread standard	4.8 m	15' 9"
Stabilizer spread maximum	6.6 m	21' 8"
Fitting space required	0.89 m	2' 11"
Width folded	2.5 m	8' 2"
Operating pressure	330 bar	4785 psi
Recommended pump capacity	from 65 l/min. 14.3 imp.gal./min.	17.2 US gal./min
with radio remote control and LS-System	to 80 l/min. 17.6 imp.gal./min.	21.1 US gal./min
Dead weight standard crane	2270 kg	5000 lbs

PK 20002 – DIMENSIONS THAT SAY IT ALL

Max. lifting capacities

PK 20002 *Performance* A			
hydraulic			
max. lifting capacity:		6100 kg/13450 lbs	
Outreach		**Capacity**	
4.1 m	13′ 5″	4560 kg	10050 lbs
6.1 m	20′ 0″	3010 kg	6640 lbs
8.1 m	26′ 7″	2250 kg	4960 lbs

PK 20002 *Performance* B			
hydraulic			
max. lifting capacity:		5900 kg/13010 lbs	
Outreach		**Capacity**	
4.1 m	13′ 5″	4350 kg	9590 lbs
6.1 m	20′ 0″	2830 kg	6240 lbs
8.1 m	26′ 7″	2080 kg	4590 lbs
10.3 m	33′ 10″	1630 kg	3590 lbs
manual			
12.5 m	41′ 0″	1270 kg	2800 lbs
14.7 m	48′ 3″	1020 kg	2250 lbs
16.8 m	55′ 1″	850 kg	1870 lbs

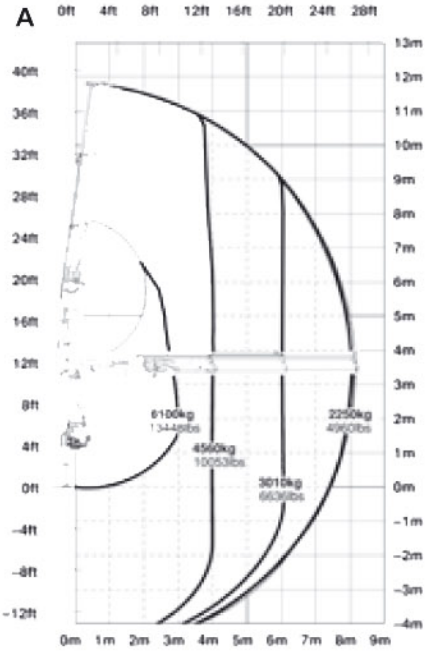
PK 20002 *Performance* C			
hydraulic			
max. lifting capacity:		5800 kg/12790 lbs	
Outreach		**Capacity**	
4.1 m	13′ 5″	4180 kg	9220 lbs
6.1 m	20′ 0″	2690 kg	5930 lbs
8.1 m	26′ 7″	1950 kg	4300 lbs
10.3 m	33′ 10″	1500 kg	3310 lbs
12.5 m	41′ 0″	1230 kg	2710 lbs
manual			
14.7 m	48′ 3″	990 kg	2180 lbs
16.8 m	55′ 1″	820 kg	1810 lbs
18.8 m	61′ 8″	620 kg	1370 lbs

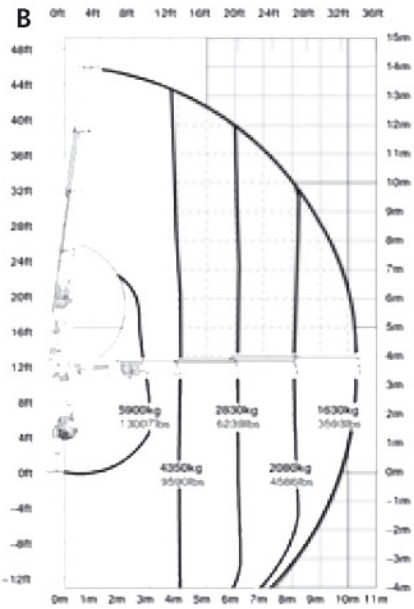
PK 20002 *Performance* D			
hydraulic			
max. lifting capacity:		5650 kg/12460 lbs	
Outreach		**Capacity**	
4.1 m	13′ 5″	4000 kg	8820 lbs
6.1 m	20′ 0″	2540 kg	5600 lbs
8.1 m	26′ 7″	1810 kg	3990 lbs
10.3 m	33′ 10″	1370 kg	3020 lbs
12.5 m	41′ 0″	1100 kg	2430 lbs
14.7 m	48′ 3″	930 kg	2050 lbs
manual			
16.9 m	55′ 5″	760 kg	1680 lbs
18.9 m	62′ 0″	620 kg	1370 lbs

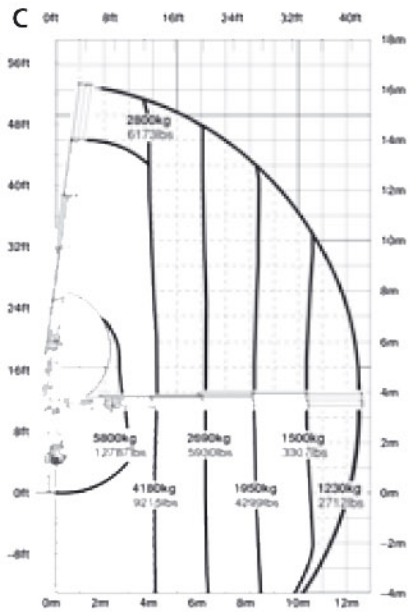
PK 20002 *Performance* E			
hydraulic			
max. lifting capacity:		5550 kg/12240 lbs	
Outreach		**Capacity**	
4.1 m	13′ 5″	3840 kg	8470 lbs
6.1 m	20′ 0″	2420 kg	5340 lbs
8.1 m	26′ 7″	1690 kg	3730 lbs
10.3 m	33′ 10″	1250 kg	2760 lbs
12.5 m	41′ 0″	980 kg	2160 lbs
14.7 m	48′ 3″	810 kg	1790 lbs
16.9 m	55′ 5″	700 kg	1540 lbs
manual			
18.9 m	62′ 0″	590 kg	1300 lbs

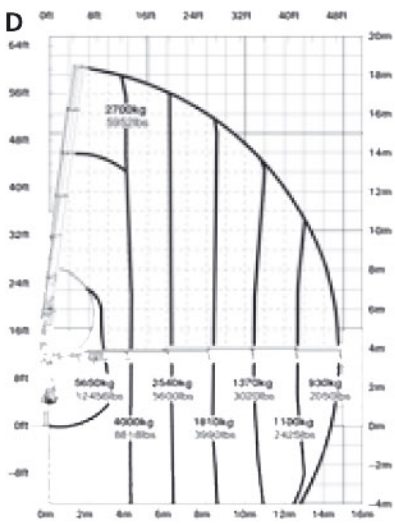
The reaches are indicated for a 20′ main boom position and are therefore not the maximum ones.

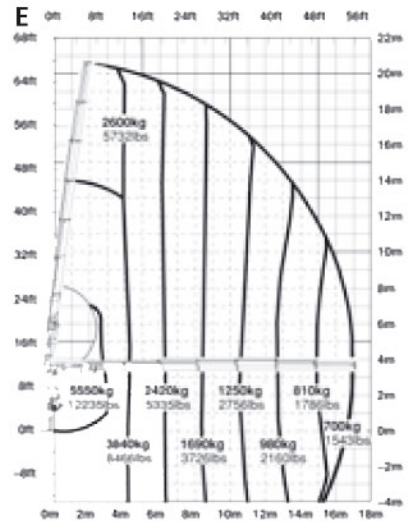
PK 20002 *Performance*



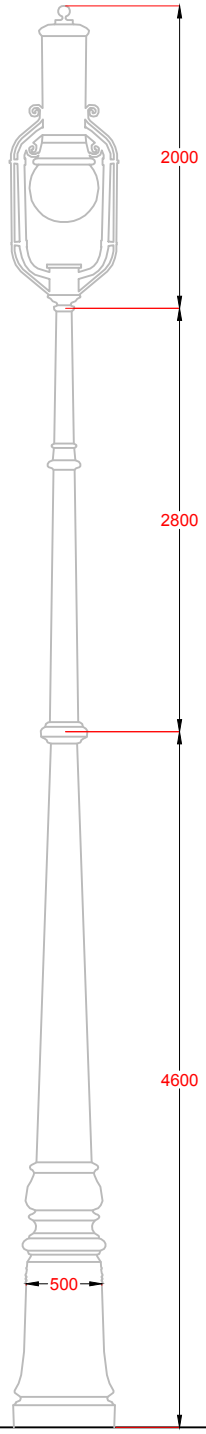




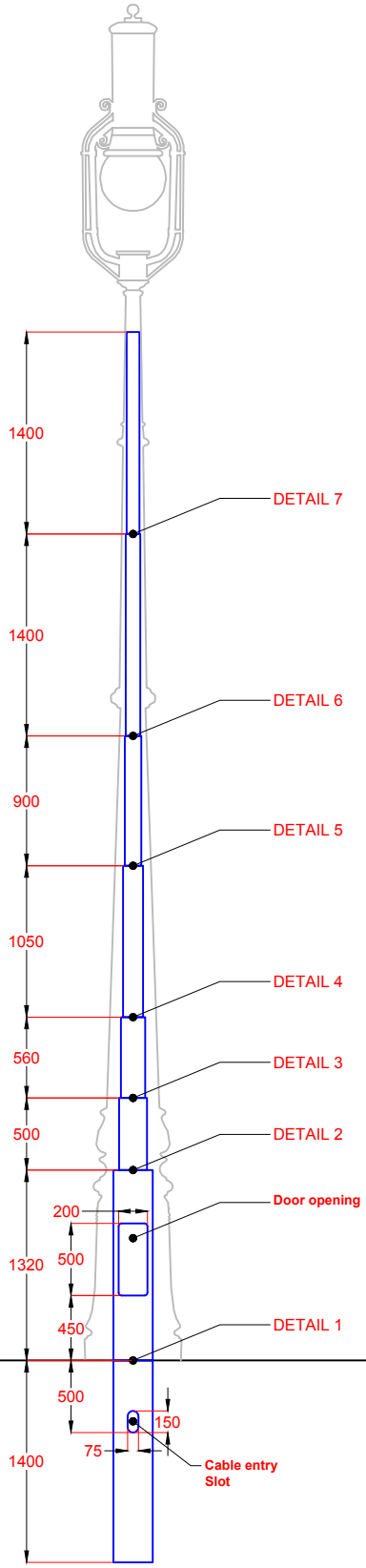




LIGHTING COLUMN ELEVATION



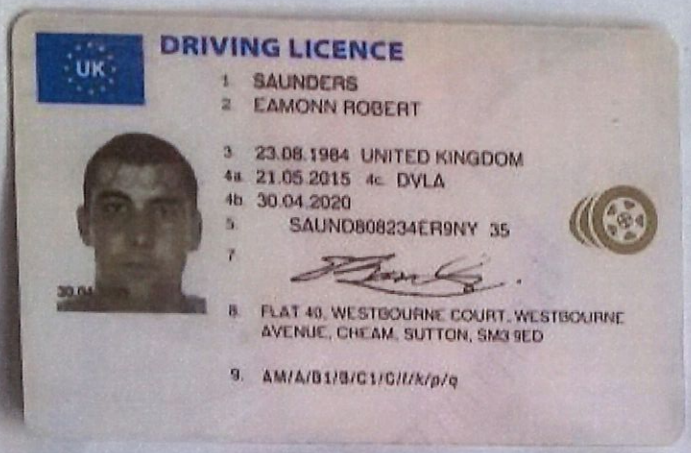
STEEL CORE ELEVATION

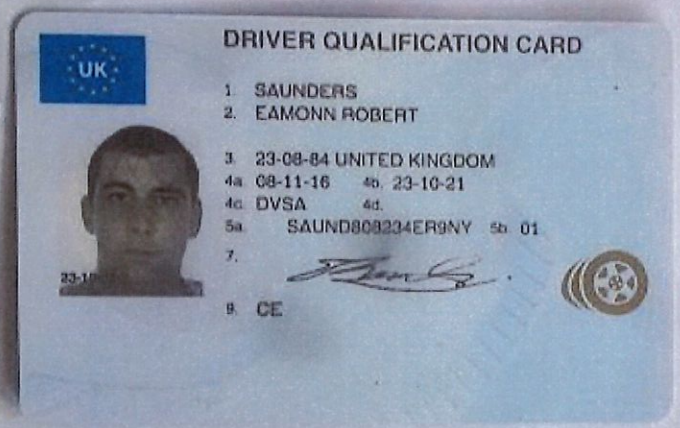


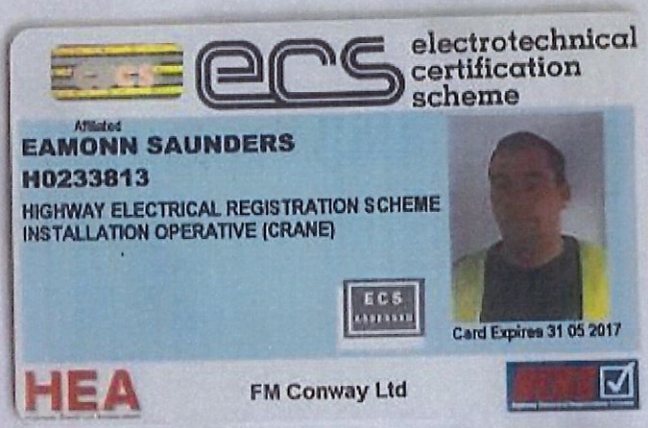
Project: Tottenham Court Road Lighting Column	Drawing Title: Lighting column and steel core elevations	Scale: 1 : 50 @ A4	Date: December 2016
		Drawn By: E.S.	File Ref: SSB/TCR LIGHT COLUMN/001
		Checked By:	Dwg Name: TCR Lighting Column.dwg
			Drawing Location: P:\structures&bridges\Highways Structures\Tottenham Lighting Col
			Drawing Number: SSB - TCR LIGHTING COLUMN - 001
			Rev.: --

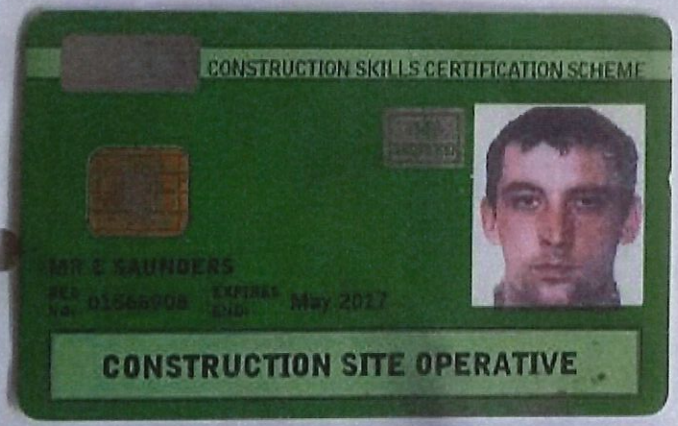
Camden
Engineering Service (Camden Council)
London Borough of Camden
4th Floor
5 Pancras Square
London N1C 4AG
Tel 020 7974 4444

Rev	By	Date	Amendments

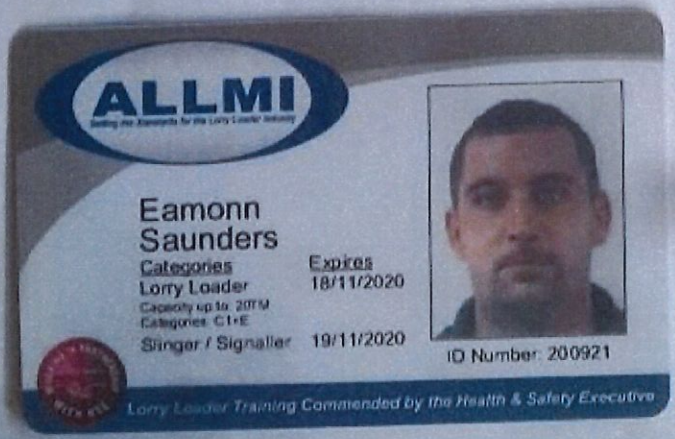

UK
DRIVING LICENCE
1 SAUNDERS
2 EAMONN ROBERT
3 23.08.1984 UNITED KINGDOM
4a 21.05.2015 4c DVLA
4b 30.04.2020
5 SAUND808234ER9NY 35
7
8 FLAT 40, WESTBOURNE COURT, WESTBOURNE AVENUE, CHEAM, SUTTON, SM3 9ED
9 AM/A/B1/B/C1/C/f/k/p/q

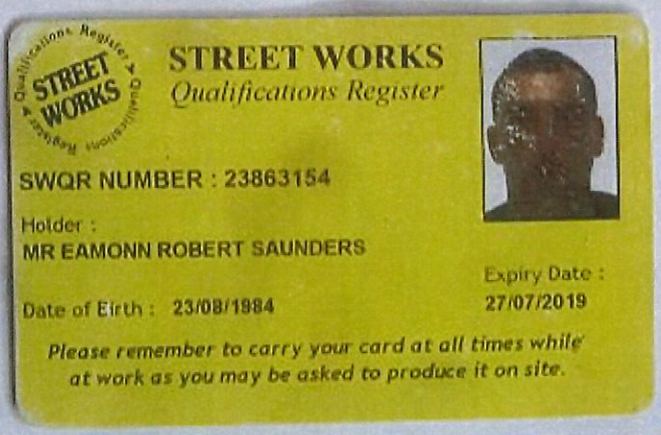

UK
DRIVER QUALIFICATION CARD
1 SAUNDERS
2. EAMONN ROBERT
3. 23-08-84 UNITED KINGDOM
4a 08-11-16 4b. 23-10-21
4c. DVSA 4d.
5a. SAUND808234ER9NY 5b. 01
7.
9. CE

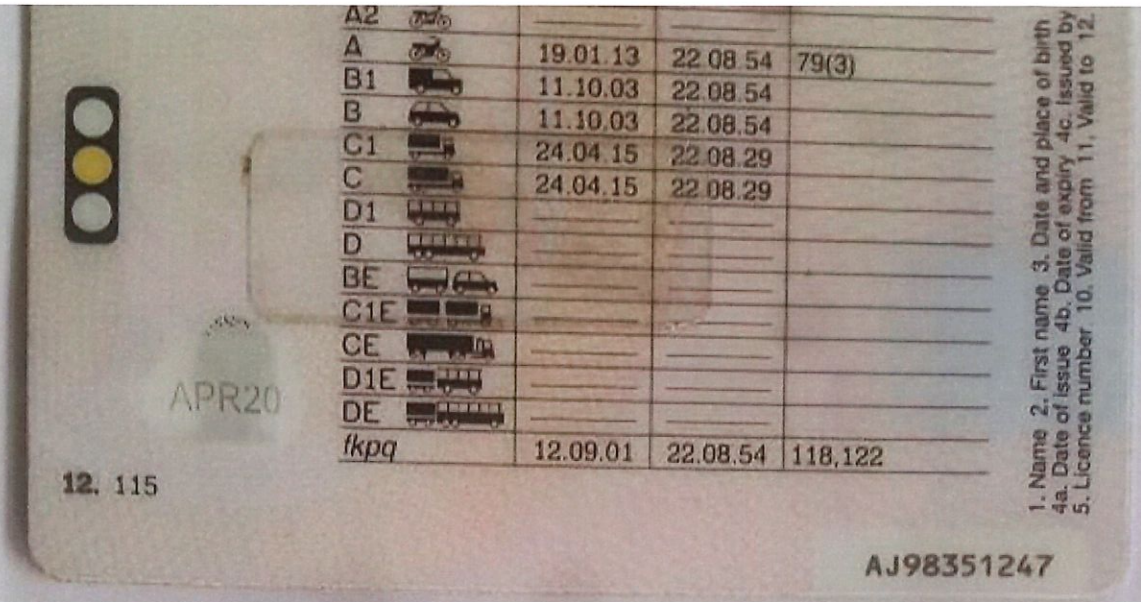

ecs
electrotechnical certification scheme
Affiliated
EAMONN SAUNDERS
H0233813
HIGHWAY ELECTRICAL REGISTRATION SCHEME
INSTALLATION OPERATIVE (CRANE)
Card Expires 31 05 2017
HEA
FM Conway Ltd


CONSTRUCTION SKILLS CERTIFICATION SCHEME
MR E SAUNDERS
May 2017
CONSTRUCTION SITE OPERATIVE


IPAF
POWERED ACCESS LICENCE
EAMONN SAUNDERS
OP/0956481
ASSESSED 03/04/2014
EXPIRY DATE 30/04/2019
TYPES 1b


ALLMI
Eamonn Saunders
Categories
Lorry Loader
Capacity up to 20TM
Categories C1+E
Expires
18/11/2020
Slinger / Signaller 19/11/2020
ID Number: 200921
Lorry Loader Training Commended by the Health & Safety Executive


STREET WORKS
Qualifications Register
SWQR NUMBER : 23863154
Holder :
MR EAMONN ROBERT SAUNDERS
Date of Birth : 23/08/1984
Expiry Date :
27/07/2019
Please remember to carry your card at all times while at work as you may be asked to produce it on site.



A2			
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B1	11.10.03	22.08.54	
B	11.10.03	22.08.54	
C1	24.04.15	22.08.29	
C	24.04.15	22.08.29	
D1			
D			
BE			
C1E			
CE			
D1E			
DE			
fkpq	12.09.01	22.08.54	118,122

1. Name 2. First name 3. Date and place of birth
4a. Date of issue 4b. Date of expiry 4c. Issued by
5. Licence number 10. Valid from 11. Valid to 12.

APR20

12. 115

AJ98351247

9.	10.
C1	95. 23.10.2021
C	95. 23.10.2021
C1E	95. 23.10.2021
CE	95. 23.10.2021

1. Surname 2. First name(s) 3. Date and place of birth
4a. Date of issue 4b. Administrative expiry date
4c. Issued by 5a. Licence number 5b. Serial number
9. Category 10. Community code and expiry date

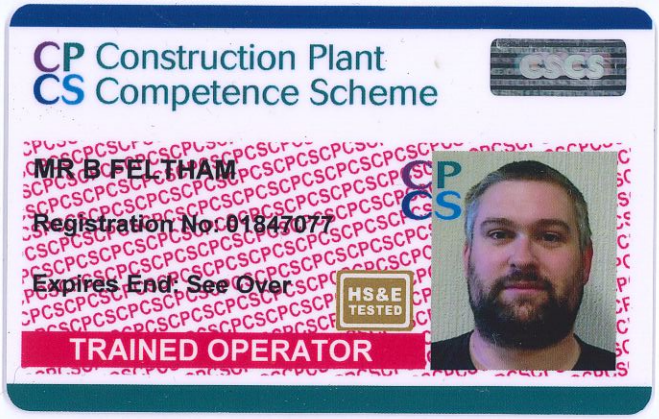
EC80489349

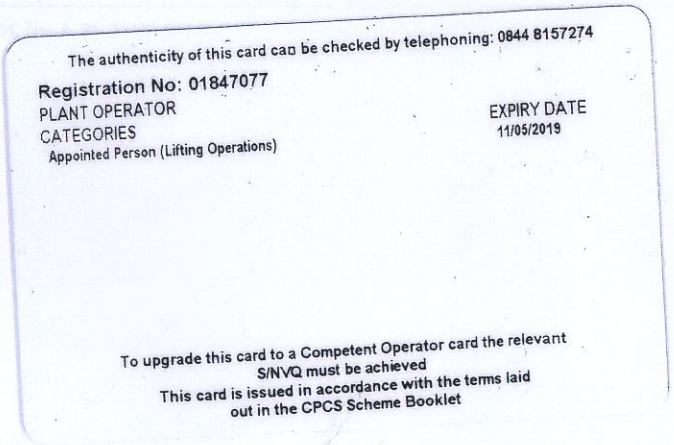
QUALIFICATIONS GAINED

SWQR No. 23863154

Operatives

RA Excavation in the road/highway	15/07/2014
RA Excavation, backfilling and reinstatement - cold lay	15/07/2014
RA Reinstatement of modular surfaces & concrete footways	15/07/2014


CP Construction Plant
CS Competence Scheme
CSCS
MR B FELTHAM
Registration No: 01847077
Expires End See Over
HS&E TESTED
TRAINED OPERATOR


The authenticity of this card can be checked by telephoning: 0844 8157274
Registration No: 01847077
PLANT OPERATOR
CATEGORIES
Appointed Person (Lifting Operations)
EXPIRY DATE
11/05/2019
To upgrade this card to a Competent Operator card the relevant S/NVQ must be achieved
This card is issued in accordance with the terms laid out in the CPCS Scheme Booklet

National Construction College

Certificate of Training

This is to certify that

Benjamin Feltham

Has completed the following course

Appointed Person (Lifting Operations)

Commencing on

08 May 2017

Duration

5 Day

Head of Education and Training
National Construction College

Course Number

DCL11/95151/374741

ALLMI

Setting the Standards for the Lorry Loader Industry

Ben
Feltham

Categories	Expires
Appointed Person	20/03/2019

ID Number: 90145

WORKING IN PARTNERSHIP WITH HSE

Lorry Loader Training Commended by the Health & Safety Executive

ALLMI

The Association of Lorry Loader Manufacturers & Importers

Setting the Standards for the Lorry Loader Industry

The named person has completed an ALLMI accredited training course in the categories listed overleaf and has been issued this identity card as evidence of successful completion

WORKING IN PARTNERSHIP WITH HSE

ALLMI's lorry loader training is commended by the HSE: "The Health and Safety Executive commends the use of this Training Programme to those who have duties under the Health and Safety at Work etc. Act 1974. This programme was drawn up with the participation of a HSE representative and will be referred to in relevant HSE publications."

TEL: 0844 858 4334 • EMAIL: enquiries@allmi.com • www.allmi.com

ID Number: 90145

ALLMI
Setting the Standards for the Lorry Loader Industry

The Association of Lorry Loader Manufacturers and Importers
CERTIFICATION TRAINING SCHEME FOR THE
DUTIES AND RESPONSIBILITIES OF AN
APPOINTED PERSON

Certificate

Ben Feltham

has completed an ALLMI accredited training course in the duties and responsibilities of an Appointed Person in accordance with the standards set by ALLMI Ltd and the requirements of BS7121 Part 4, and is awarded this certificate of achievement as evidence of successful completion of the course and associated assessments.

Date(s) of Training	**18 Mar 2014 - 20 Mar 2014**	Assessment Date	**20 Mar 2014**
Instructor	**Jonathan Kenyon**	Instructor Reg. No.	**199**
Training Provider	**ALLMI, Unit 7B, Cavalier Court , Bumpers Farm , Chippenham SN14 6LH**		
Instructor Signature		Expiry Date	**20 Mar 2019**
Signature on Behalf of ALLMI Limited		Date Issued	**28 Mar 2014**

WORKING IN PARTNERSHIP WITH HSE

Lorry Loader Training commended by the Health and Safety Executive:
"The Health and Safety Executive (HSE) commends the use of this Training Programme to those who have duties under the Health and Safety at Work Act 1974. This programme was drawn up with the participation of a HSE representative and will be referred to in relevant HSE publications."

ALLMI Ltd. Unit 7b, Prince Maurice House, Cavalier Court, Bumpers Farm, Chippenham, SN14 6LH
Tel: 0844 858 4334 Fax: 0844 858 4332 Email: enquiries@allmi.com www.allmi.com