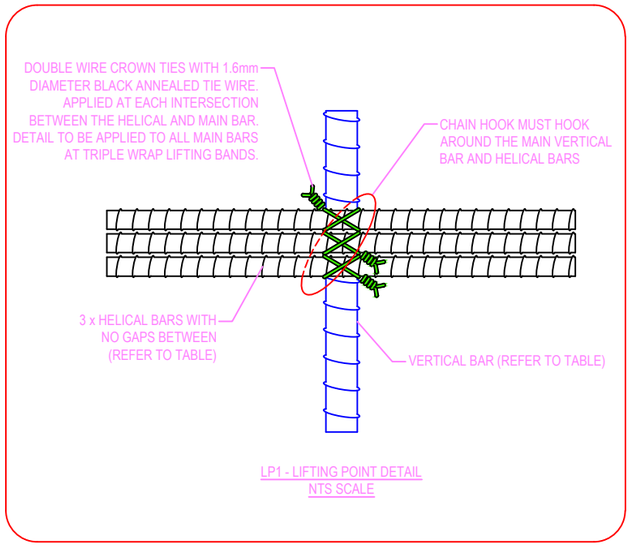
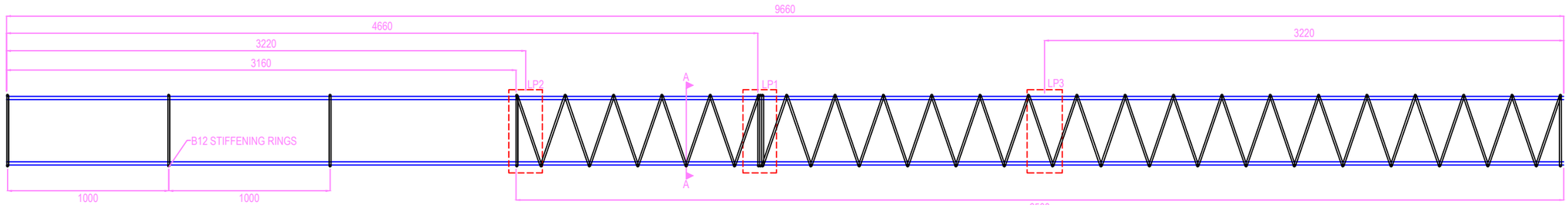
Asite Ref: LCY13-KTB-XX-XX-TW-C-00003 P02



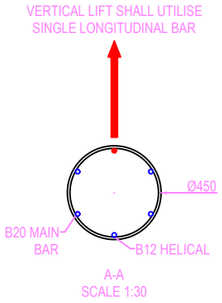
LP1 - LIFTING POINT DETAIL
NTS SCALE

CAGE TYPE	CAGE DIA. OD (mm)	NUMBER OF BARS	BAR SIZE (mm)	HELICAL SIZE (mm)	HELICAL PITCH (mm)
LC5	450	6	20	12	300
LC7	300	5	16	10	215

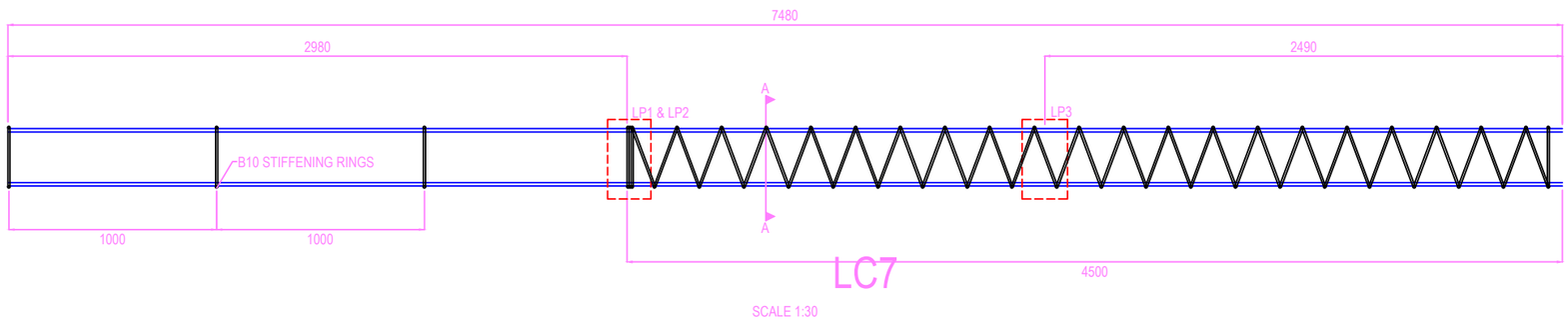
CAGE TYPE	TOTAL LENGTH (m)	PROJECTION (m)
LC5	9.660	3.1600
LC7	7.480	2.9800



SCALE 1:30 LC5



A-A
SCALE 1:30
LC5



LC7
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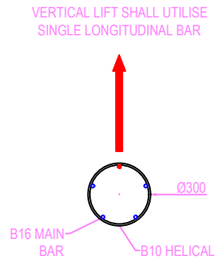

A-A
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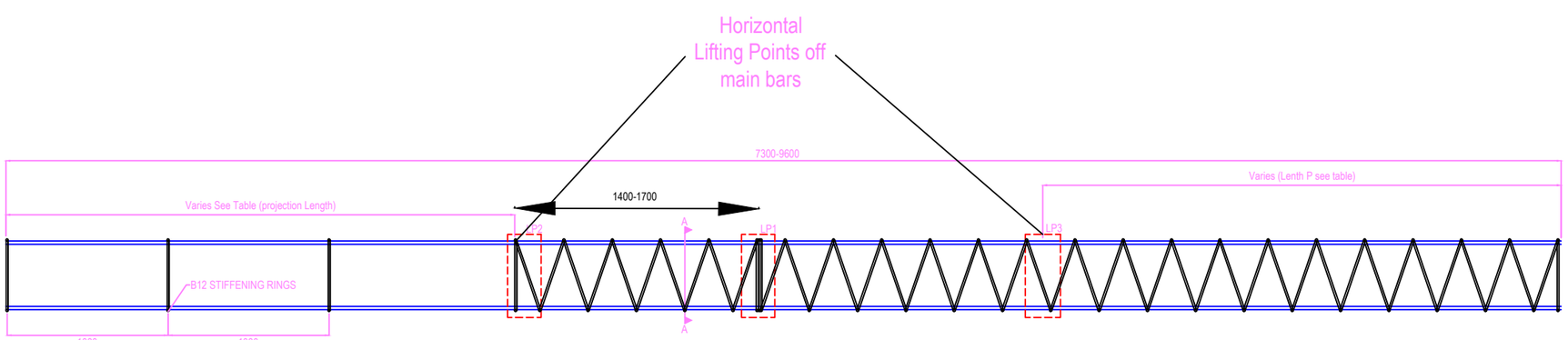
LC7



KP Cage Type	Cage Dia OD(mm)	Number of bars	Bar size (mm)	Length (m) including projection	Projection (m)	Length P (m)
P5	450	6	20	7.3	0.85	0.85
P5A	450	6	20	7.9	1.35	1.35
P5B	450	6	20	9.3	2.85	2.85
P5C	450	6	20	7.9	1.1	1.1
P5D	450	6	20	7.3	0.5	0.5
P5E	450	6	20	7.3	0.7	0.7
P7	300	5	20	7.3	0.45	0.45
P7A	300	5	20	9.3	1.9	1.9
P7B	300	5	20	9.3	3.05	3.05
P7C	300	5	20	7.3	2.2	2.2
P7D	300	5	20	7.3	0.3	0.3
P7E	300	5	20	7.3	1.2	1.2
P7F	300	5	20	7.3	0.75	0.75
P7G	300	5	20	7.3	0.85	0.85
P7H	300	5	20	7.3	1.6	1.6
P8	300	6	20	7.3	0.45	0.45
T1	300	6	20	9.6	1.95	1.95

NOTES:

1. DIMENSIONS NOT TO BE SCALED FROM THIS DRAWING.
2. DIMENSIONS GIVEN IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. THERE ARE THREE LIFTING POINTS (LP1, LP2 & LP3). LP1 IS TO BE USED FOR LIFTING THE CAGE FROM HORIZONTAL TO VERTICAL. LP2 AND LP3 ARE TO BE USED TOGETHER FOR LIFTING THE CAGE HORIZONTALLY.
4. THE LIFTING HOOKS FOR THE HORIZONAL LIFT AT LP2 AND LP3 SHALL BE PLACED ON THE SAME LONGITUDINAL BAR AND AROUND THE HELICAL BAR AT THE LIFTING POINT LOCATION.
5. THE LIFTING HOOKS FOR THE HORIZONAL TO VERTICAL LIFT AT LP1 SHALL BE PLACED AROUND TWO OPPOSING LONGITUDINAL BARS, AS INDICATED, AND AROUND THE HELICAL BAR AT THE LIFTING POINT LOCATION.
6. EVERY INTERSECTION BETWEEN THE LONGITUDINAL REINFORCEMENT AND THE HELICAL AT THE LIFTING POINT LOCATIONS SHALL BE TIED WITH DOUBLED WIRE CROWN TIES, UNLESS NOTED OTHERWISE.
7. APART FROM THE LIFTING POINTS, THE HELICAL BARS SHALL BE TIED TO ALL LONGITUDINAL BAR AT CENTRES ≤ 1M WITH DOUBLED WIRE CROWN TIES.
8. ALL TIES SHALL BE DOUBLED WIRE CROWN TIES USING 1.6MM SOFT BLACK ANNEALED WIRE.
9. THE DESIGN CONSIDERS "GOOD SITE QUALITY CONTROLS" WHICH AS A MINIMUM ARE TO CONSIST OF "GOOD QUALITY TIES" CARRIED OUT BY EXPERIENCED FIXERS WITH ALL TIES VISUALLY INSPECTED BEFORE EACH LOAD CONDITION / CYCLE. WITH ANY REMEDIAL WORK CARRIED OUT BETWEEN LOAD CYCLES.
10. REFER TO CAGE FABRICATION DRAWINGS FOR FOAM AND SKID SPACER DETAILS.
11. STIFFENING RINGS TO BE DOUBLE WIRE CROWN TIES WITH 1.6mm DIAMETER BLACK ANNEALED TIE WIRE. APPLIED AT EACH INTERSECTION BETWEEN THE RING AND MAIN BAR.

Revision History

Rev.	Date	Description (Purpose of Issue):	Drn	Chk	App.
P02	21.11.24	Horizontal lift detail added	TL	CM	
Rev.	Date	Description (Purpose of Issue):	Drn	Chk	App.
Current Revision					
P01	21.11.24	FIRST ISSUE	TL	CM	SS
Rev.	Date	Description (Purpose of Issue):	Drn	Chk	App.

Client:
ADA INFRASTRUCTURE / GLP

Engineer:
CUNDALL

Originator:
KELTBRAY PILING

Logo:
Keltbray Piling

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Project:
PROJECT OLYMPUS

Drawing Title:
CAGE DETAIL AND LIFTING

Date of First Issue:	Scale @ A3:	Job No:
21.11.2024	AS SHOWN	BE0046

Drawing Status:
FOR CONSTRUCTION

Project:	Originator:	Zone:	Level:	Type:	Role:	Number:
BE0046	KLB	XX	XX	DR	X	0003

Drawing No:	Suitability:	Revision:
LCY13-KTB-XX-XX-TW-C-00003	S4	P02

Check Certificate

Project Title:	Project Olympus	**WHP Project No.:**	3463
Design Item:	Site Fixed Cage Lifting	**Location on site:**	N/A
Document Number:	3463-WHP-XX-XX-RP-X-0011		
Client:	Keltbray Built Environment		
DB Reference No.:	DB001 – Bearing Pile Design	**Check Category:**	Cat 2
Rev Description:	First Issue		

Design Reference Information

Designer Organisation:	Keltbray Built Environment
Description of Design:	
Check of the site fixed cage lifting points and cage stability during lifting.	
Design References:	
Site fixed cage lifting required given in drawing LCY13-KLB-XX-XX-DR-X-0003_P01 Cage Detail and Lifting	
Design Drawings:	
LCY13-KLB-XX-XX-DR-X-0003_P01 Cage Detail and Lifting	

Checked by:

I certify that reasonable professional skill and care has been used to undertake this design check.

Name:	Luke Pond	**Signature:**	Luke Pond Digitally signed by: Luke Pond DN: CN = Luke Pond email = luke.pond@wentworth-house.co.uk C = GB O = Wentworth House Partnership (WHP) OU = Engineer Date: 2024.11.25 14:53:18 Z
Qualifications:	MEng (Hons)	**Date:**	25 November 2024
Name:	Dylan O'Reilly	**Signature:**	Digitally signed by Dylan O'Reilly
Qualifications:	CEng MICE	**Date:**	25 November 2024
Comment Doc Ref:	N/A		
Comments:			
None.			

Approved by:

I certify that this design check has been undertaken by suitably qualified and experienced personnel in accordance with the WHP business operating processes and procedures.

Name:	Dylan O'Reilly	**Signature:**	Digitally signed by Dylan O'Reilly
Qualifications:	CEng MICE	**Date:**	25 November 2024
Comments:			
None.			

- This certificate is valid only for the design as show in the documents listed. Change to the design will invalidate this certificate, any changes must be reported to the design/checker for re-assessment.
- WHP scope of work is limited to a check of the design only, the design has been undertaken by others.