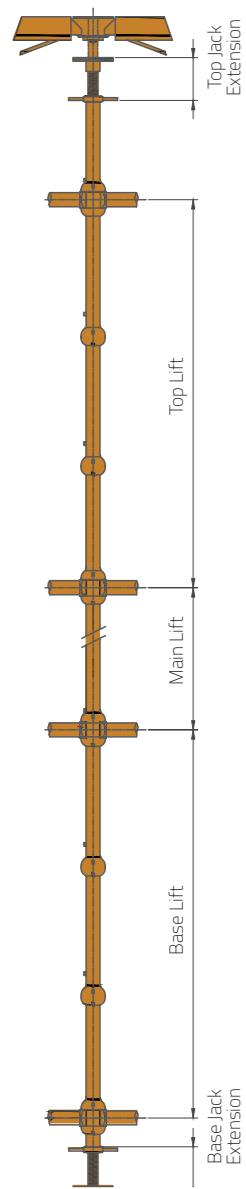




K-LOCK SLAB FORMWORK

K-LOCK TECHNICAL DETAILS

K-LOCK STANDARD:



PERMISSIBLE LOADS ON BASE COMPONENTS

Vertical axial load up to 57kN. The loadings will vary according to the horizontal loads taken into account and the actual extension of the jack required.

K-LOCK SUPPORT GUIDE

For standards at the beginning and end of a row, the loading figures for the top and base lifts have to be reduced by 5%, except if jack bracing is used. This also applies to the use of K-LOCK in towers and single bays.

PERMISSIBLE LOADS ON STANDARDS

The below show the permissible loads per standard for false work structures incorporating suitable bracing. The values apply regardless of the type of formwork supported. However, permissible loads can be influenced by a number of factors. If in doubt, reference should be made to the KHK Design Office.

K-LOCK STANDARDS VARIOUS SIZES:

CODE	SIZE	WEIGHT	CODE	SIZE	WEIGHT
KL-001	3.00m	14.80kg	KL-007	1.80m	9.00kg
KL-002	2.80m	14.00kg	KL-008	1.50m	7.90kg
KL-003	2.70m	13.60kg	KL-009	1.30m	6.55kg
KL-004	2.50m	12.40kg	KL-010	1.00m	5.00kg
KL-005	2.30m	11.35kg	KL-011	0.80m	4.10kg
KL-006	2.00m	10.00kg	KL-012	0.70m	3.80kg

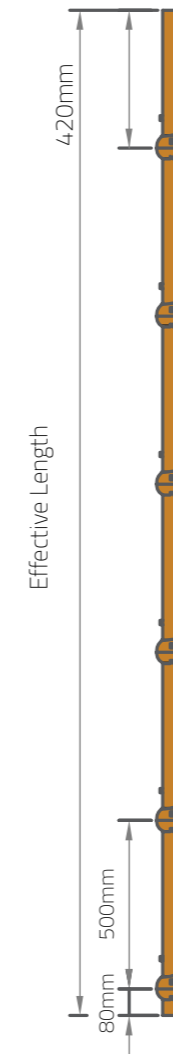
K-LOCK STANDARDS LOADING DATA:

STANDARD LOAD (kN)			STANDARD LOAD (kN)					
LIFT(m)	1.8m BAYS	2.5m BAYS	BAY (m) \ LIFT (m)	0.6	0.9	1.2	1.8	2.5
1.0	57.0	57.0	1.0	57.0	57.0	57.0	57.0	57.0
1.5	42.0	40.0	1.5	50.0	50.0	48.0	42.0	40.0
2.0	33.0	32.0	2.0	38.0	36.0	35.0	34.0	32.0
2.5	26.0	25.0						

NOTE: For practical purposes, divide load in kN by 10 to convert to tonnes or tons.

K-LOCK TECHNICAL DETAILS

K-LOCK STANDARD:



The standard is the vertical member of the scaffold with a spigot at one end for accurate alignment. Also available in open end.

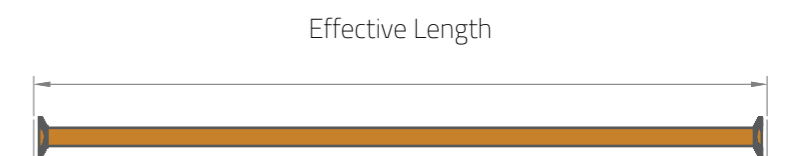
Standards are made from 48.3 x 3.2mm steel tube, all standards incorporate with fixed bottom cups and drop forged sliding top cups.

CODE	DESCRIPTION	WEIGHT (kg)
	3.0m Standard	14.80
	2.8m Standard	14.00
	2.5m Standard	12.40
	2.3m Standard	11.40
	2.0m Standard	10.00
	1.8m Standard	9.00
	1.5m Standard	7.90
	1.3m Standard	6.50
	1.0m Standard	5.00
	0.8m Standard	4.10

K-LOCK LEDGER:

DESCRIPTION	WEIGHT (kg)
2.5m Ledger	9.20
1.8m Ledger	6.70
1.6m Ledger	6.00
1.3m Ledger	4.90
1.2m Ledger	4.50
1.0m Ledger	3.80
0.9m Ledger	3.50
0.6m Ledger	2.40

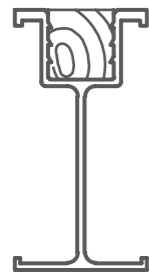
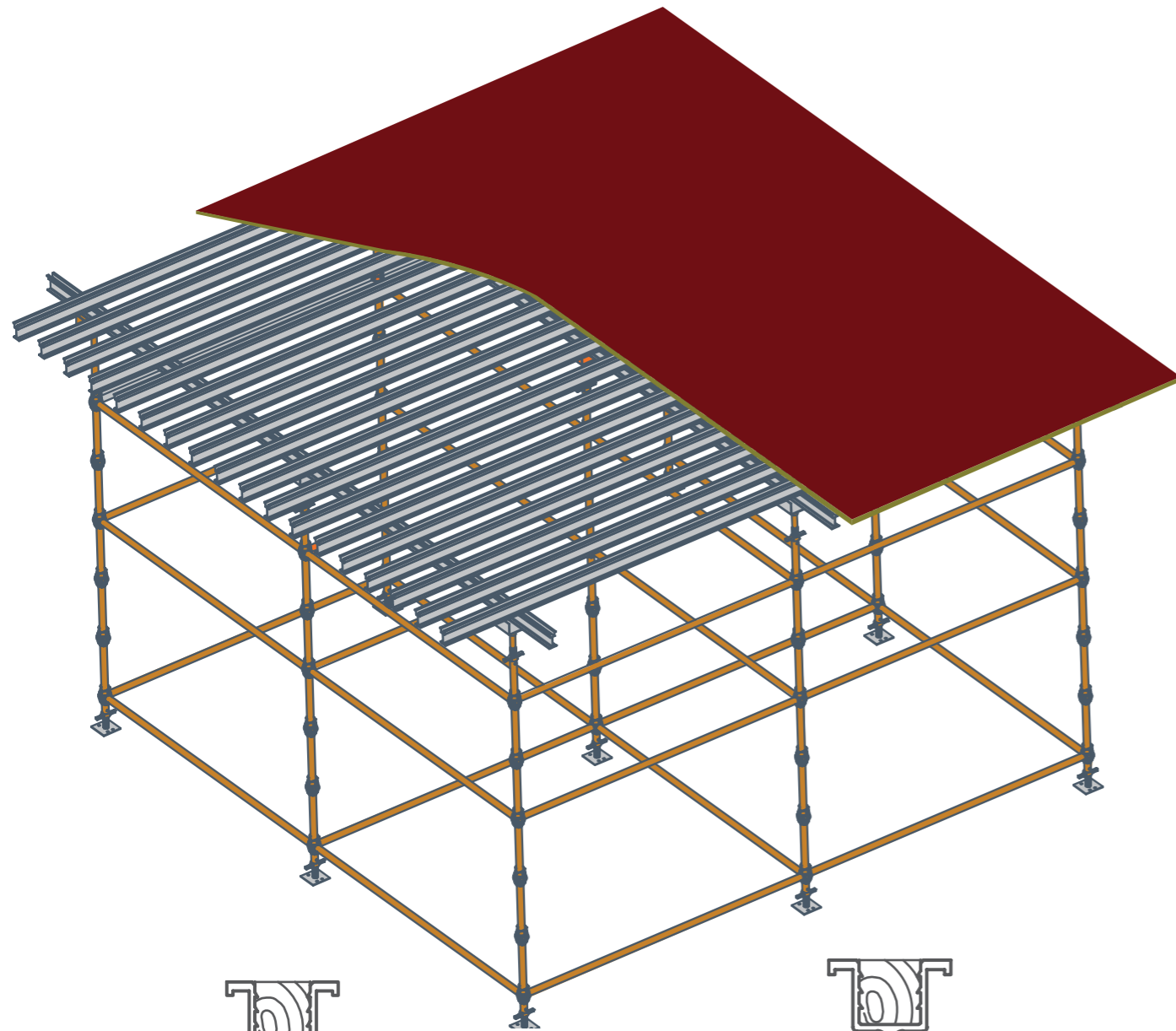
The ledger consists of symmetrical forged blade ends for simple erection and complete interchangeability in support structures. They locate in the bottom cups of the standards at platform level. Can also be used as guardrails.



Detailed catalogue of K- Lock Slab Formwork available on request

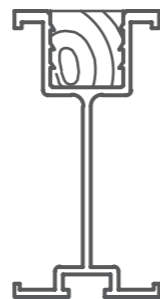
K-LOCK SYSTEM WITH ALUMINUM SLAB SYSTEM:

K-Lock combined with Aluminum Beam forms strong, lightweight economical system. It also reduces waste and site labour costs.



K 6 BEAM

Bending Moment exceeds 6 KN-M
Size: 150 x 80MM
Weight: Only 3.162Kg/ M

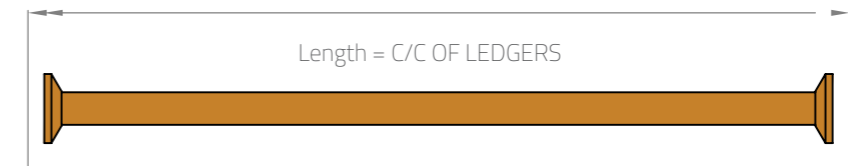


K 12 BEAM

Bending Moment exceeds 12 KN-M
Size: 165 x 95MM
Weight: Only 4.750Kg/ M

K-LOCK SYSTEM LEDGERS

LENGTH IN MTR	SAFE WORKING LOADS		
	UDL	1/5 Point 2 No.	C P L
3.0	6.37 KN	2.38 KN	3.2 KN
2.5	6.37 KN	2.38 KN	3.2 KN
1.8	6.37 KN	2.38 KN	3.2 KN
1.3	8.0 KN	2.38 KN	3.2 KN
1.2	8.0 KN	2.38 KN	3.2 KN
1.0	8.0 KN	2.38 KN	3.2 KN
0.6	8.0 KN	2.38 KN	3.2 KN



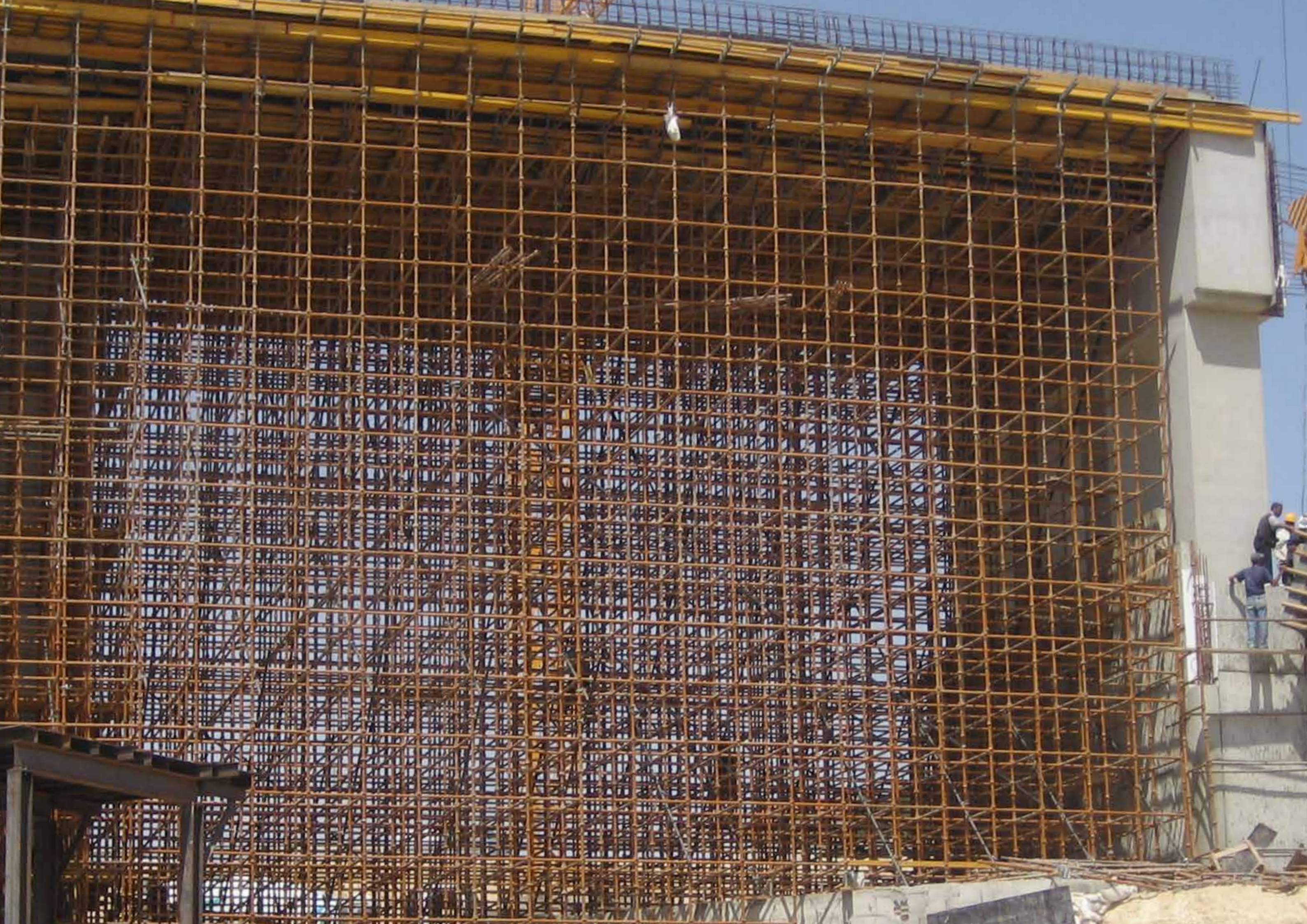
K-LOCK SYSTEM STANDARDS

LENGTH
3.0 m
2.8 m
2.5 m
2.3 m
2.0 m
1.8 m
1.5 m
1.3 m
1.0 m

SAFE WORKING LOADS

1.0m LIFT -- 57 KN
1.5 M LIFT -- 45 KN
2.0M LIFT -- 32 KN





DRAWING NOTES

1. KHK SCAFFOLDING AND FORMWORK

The drawing is confidential and is exclusive property of KHK. No unauthorized use, copy or disclosure is to be made and it is to be returned upon request. The drawing is supplied subject to the company's standard conditions of Hire or Sale, as applicable.

2. BASIS OF DESIGN

This drawing has been prepared from information supplied to us by or on behalf of the customer, who should check that we have correctly interpreted his requirements and that all loadings, dimensions, details, erections, pouring and striking sequences etc, are as required and practicable.

3. ASSUMPTIONS

The following assumptions affecting the use of the equipment shown on this drawing has been made:

N/A

4. IMPOSED LOADS

The structure detailed on this drawing has been designed to support the following imposed loads only:-
 Access Main working liftsno at...kN/sq m no at...kN/sq m
 Hop-up bracketsno at...kN/sq m no at...kN/sq m
 (All loads assumed uniformly distributed)
 Additional number of boarded(non working)lifts.....no.
 Self weight of concrete.....24.5kN/cu m
 Self weight of formwork.....0.5kN/sq m
 Live loading.....1.5kN/sq m
 Wall forms Max.Concrete pressure assumed.....kN/sq m
 Wind Wind loads, where applicable have been calculated in accordance with B.S.5973 and/or B.S.5975
 Max design wind pressure.....kN/sq m

5. TIMBER

No timber is supplied by KHK unless specifically stated. All timber design is the responsibility of the customer, but to enable us to prepare this drawing we have assumed the following:
 Main Bearer, by contractor Secondary Bearers by contractor
 WalingN/A
 The above values have been calculated using stresses derived from the B.S.code of practice 5975.
 Timber assumed Grade SC4-Bending.....8.67N/sqmm
 Bending 2.67N/sq mm.....Shear, 1.34N/sq mm."E" mean.
 8035N/sq mm
 Plywood 19mm Douglas Fir(unless otherwise noted).
 Deflection has been limited to 1/270 of the Span for each member.

6. Foundations: No Soleplates or other means of spreading the imposed loads are supplied by KHK. The customer must ensure that the foundation provided are adequate.

MAXIMUM CALCULATED LEG LOAD.....00.00.....kN

7. TEMPORARY WORKING PLATFORMS

Unless specifically detailed, it is assumed that any temporary working platforms required for erection or dismantling purposes will be designed, supplied and erected by the customer.

8. SCAFFOLD TUBE AND FITTINGS

All tube and fittings not supplied by KHK but forming part of this structure must comply with B.S.1139(see also note 9 below)

9. MODIFICATIONS

The design has been prepared using the Safe Working Load of KHK Components specified.

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE FOLLOWING:
 KHK Drg. Nos.....N/A
 KHK Data Sheet Nos.....N/A

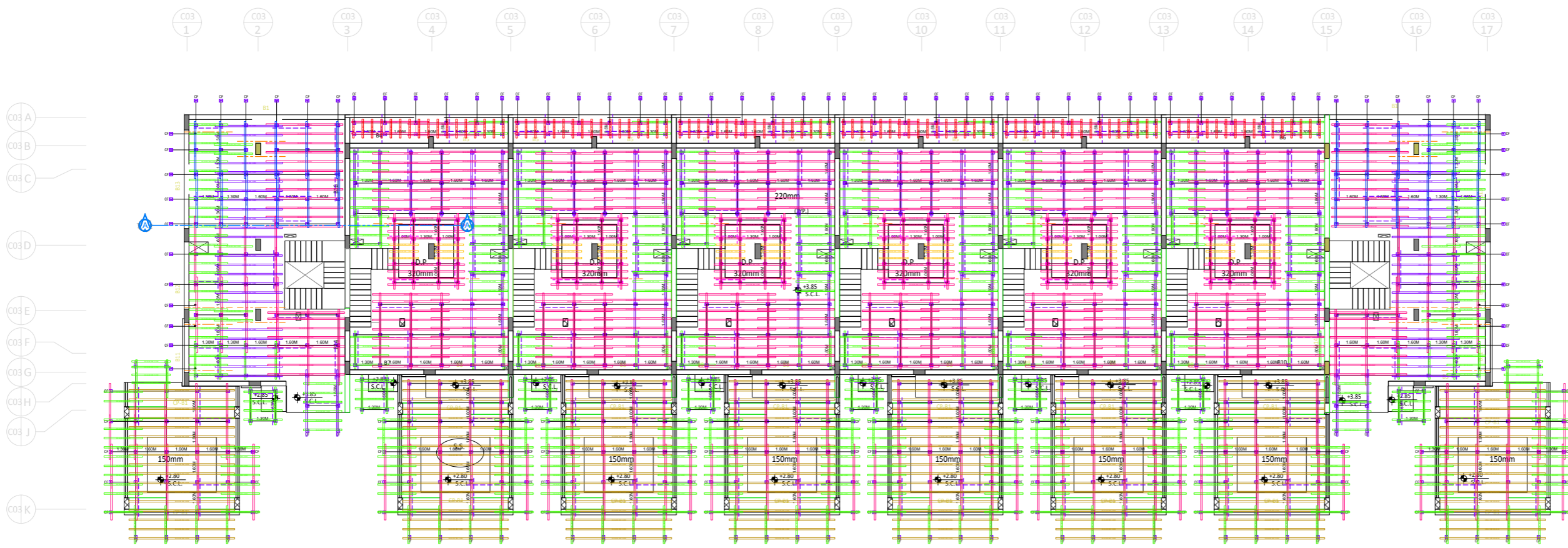
No alterations to components, assembly, loading or any other aspect must be made without written authority from KHK.

10. TYING AND BRACING

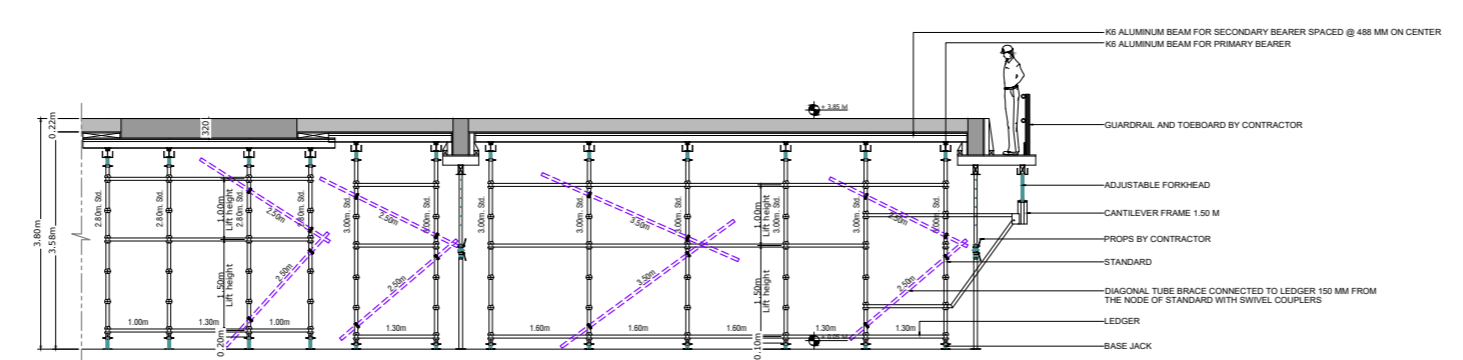
The customer is responsible for ensuring that all structures are adequately tied and/or braced to carry the load and ensure stability as indicated on the drawing.
 Where KHK equipment is supported, suspended, anchored or tied to an existing structure or the ground, the customer must ensure that the structure or ground adequate to safely support the additional imposed loads.

11. ACCESS SCAFFOLD

Scaffold boards assumed capable of spanning 1.5m. The supply and fixing of all building ties is the responsibility of the customer. All ties to be of the two way positive type as specified in BS 5973.



FIRST FLOOR SLAB K-6 ALM. BEAM SUPPORT LAYOUT



SECTION A-A

DRAWING LEGEND:

- Basejack, standard, spigoted universal jack and drophead
- Basejack and standard
- Basejack, standard and adjustable forhead
- Beam bracket
- Props by contractor
- Decking beam
- Decking beam with ledger
- Ledger
- Drophead and spigoted universal jack
- on cantilever frame with ledgers
- Cantilever frame with adjustable forhead
- Tube link at every level of ledgers connected with couplers close to the node of standard
- One level tube link connected with couplers to topmost level of ledgers
- Column box tie connected with couplers to topmost level of ledgers
- Diagonal tube brace

ADDITIONAL NOTES:

1. The contractor shall support unsupported beams and make-up areas with props.
2. Guardrail and toeboard on all access by contractor.
3. Temporary support must be sufficiently braced and/or butt tied and linked while erection is in progress and stabilized prior to installation of reinforcements or any loadings.
4. Joints on standards are the responsibility of the contractor.
5. Contractor shall cover all slab openings with suitable materials.
6. Erection and dismantling by contractor.
7. DO NOT INSTALL ANY DEFECTIVE COMPONENTS OF DECKING AND SUPPORT.
8. This drawing has prepared with limited reference to KHK design data.
9. Bridging across slab openings by contractor.
10. Protection fans and safety net by contractor.
11. Backpropping by contractor.

PRELIMINARY NOT FOR CONSTRUCTION

Aluminum beam k-6 Color Code:

Aluminum beam k-6 1.00 m		Aluminum beam k-6 4.00 m	
Aluminum beam k-6 1.50 m		Aluminum beam k-6 4.50 m	
Aluminum beam k-6 2.00 m		Aluminum beam k-6 5.00 m	
Aluminum beam k-6 2.50 m		Aluminum beam k-6 5.50 m	
Aluminum beam k-6 3.00 m		Aluminum beam k-6 6.00 m	
Aluminum beam k-6 3.50 m			

NO.	DATE	BY	REVISION

KHK SCAFFOLDING and FORMWORK
 ALMAN P.O. BOX 2701
 TEL: 06-7430113
 FAX: 06-7430117

TITLE : FIRST FLOOR SLAB K-6 ALM. BEAM SUPPORT LAYOUT AND SECTION
 PROJECT : AZHA COMMUNITY (CLUSTER-03)
 CLIENT : PRESTIGE CONSTRUCTIONS LLC

DRAWN BY : MKS	DATE : 10-02-23	DRAWING NO.
CHECKED BY : MAK	DATE : 10-02-23	DUBAI / 9324 / 03
SCALE : AS SHOWN		