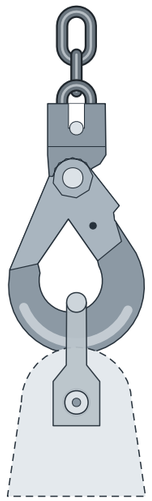
LIEBHERR LTM 1100-5.2

5-axle all-terrain crane
100 t maximum rated capacity
Main boom 22.7 m · counterweight 11.5 t
Outrigger base 7.36 x 7.00 m

DETAIL B — FOOT OF LEG 1:5



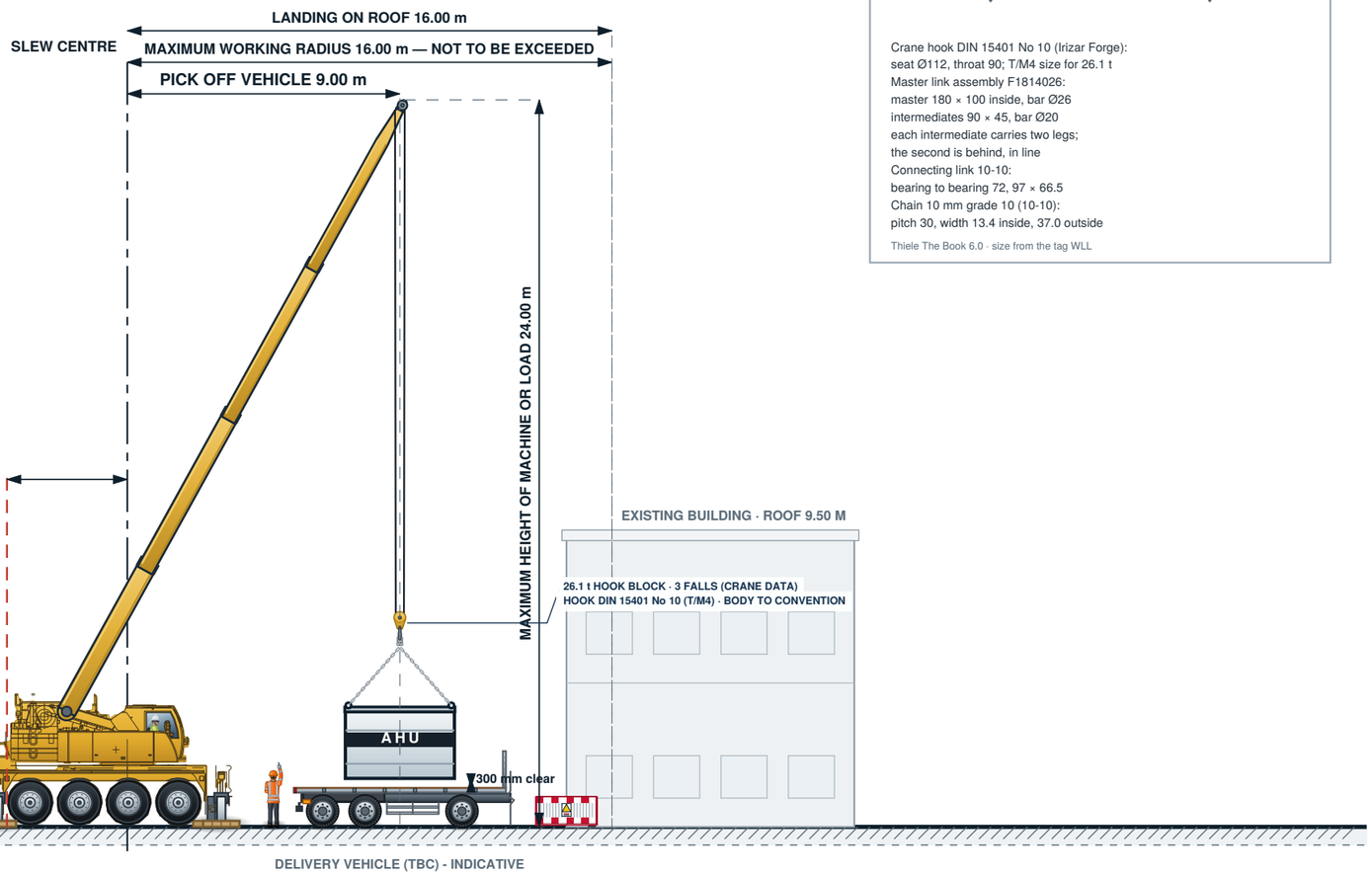
Clevis self-locking hook 10-10:
e 150, overall 204, opening 45
Bow shackle Green Pin G-4163 3.25 t:
bow Ø16, pin Ø19, jaw 27
Lifting lug: the load's own,
drawn indicatively (dashed)

Thiele The Book 6.0 · Green Pin catalogue ch.1

THE LIFT AT A GLANCE

LOAD	Air handling unit 4,200 kg · 4,200 kg
TOTAL LOAD	4,691 kg (from the schedule of lifts)
RADIUS	9.00 m · 16.00 m maximum
CAPACITY AT RADIUS	10,500 kg
UTILISATION	44.7 %

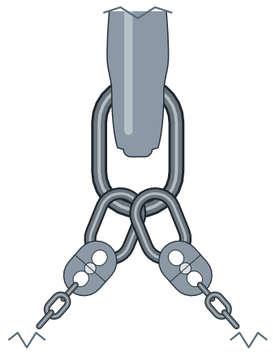
inside the 90 % ceiling



SCALE 1:200 (A3)

0 2 4 6 8 10 m

DETAIL A — HEAD OF SLING 1:10



Crane hook DIN 15401 No 10 (Irizar Forge):
seat Ø112, throat 90; T/M4 size for 26.1 t
Master link assembly F1814026:
master 180 × 100 inside, bar Ø26
intermediates 90 × 45, bar Ø20
each intermediate carries two legs;
the second is behind, in line
Connecting link 10-10:
bearing to bearing 72, 97 × 66.5
Chain 10 mm grade 10 (10-10):
pitch 30, width 13.4 inside, 37.0 outside

Thiele The Book 6.0 · size from the tag WLL

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THE COMPLETE LIFT PLAN COMPANY
Independent Lifting & Safety Consultancy
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07803 808093 · ricky@rmtsolutions.co.uk

LIFTING OPERATION
GENERAL ARRANGEMENT
ELEVATION — OVER THE REAR

NOTES

1. Do not scale from this drawing — figured dimensions govern.
2. Radii are measured horizontally from the slew centre of the machine.
3. Outriggers to the extension shown, on mats, on firm level ground.
4. Heights are derived from the solved working geometry shown.
5. No travelling with a suspended load unless the plan expressly allows it.
6. Read with the lift plan and the companion GA sheet.

LEGEND

- Machine superstructure and boom
- Carrier, outriggers and mats
- Load / set-down position
- Rigging, shackles and lifting eyes
- Slew centre line
- Lift team - positions indicative
- Existing ground / compacted formation

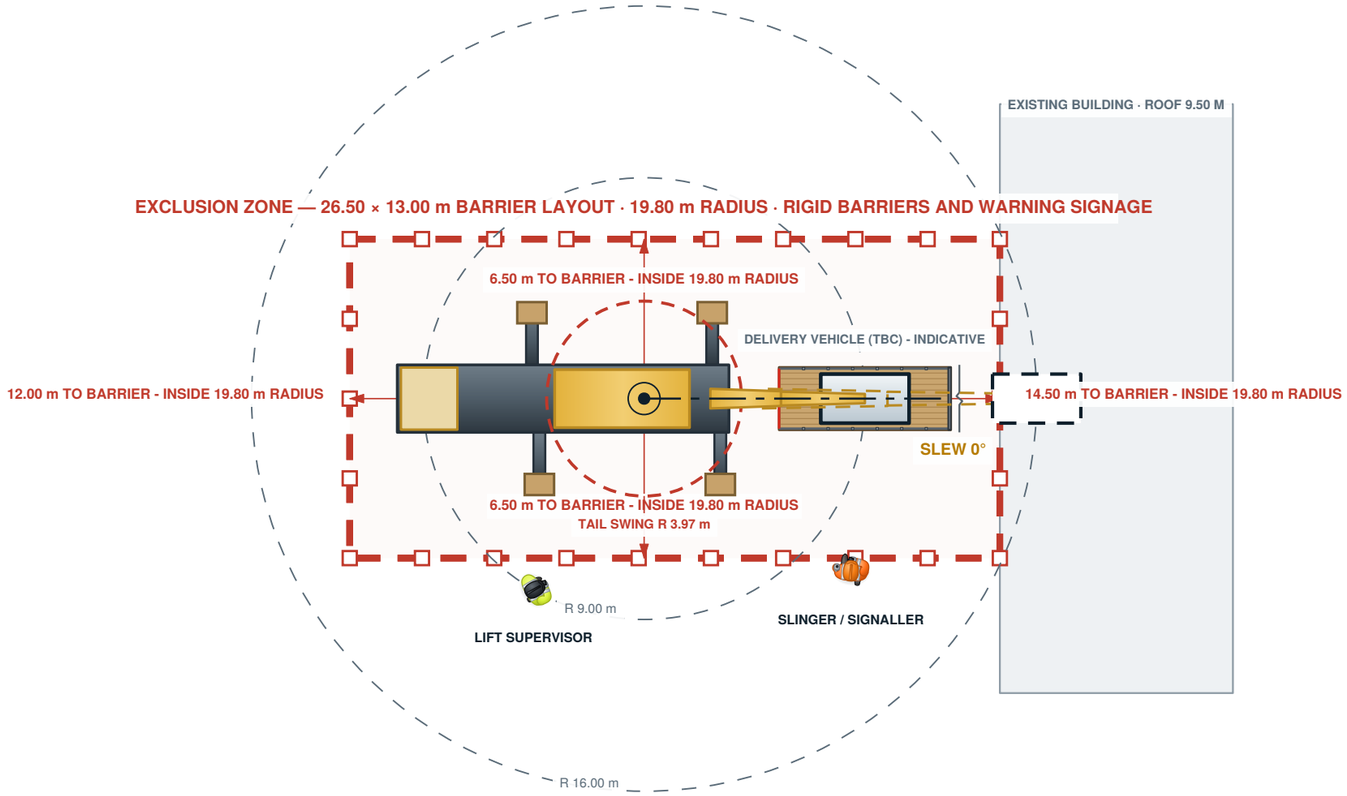
MACHINE	Liebherr LTM 1100-5.2
DUTY	Mobile crane (BS 7121-3) · LICCON chart 10745: 11.5 t counterweight, 7.36 x 7.00 m base, 22.7 m boom, SWL 10.5 t at 16.0 m
CLIENT / PC	Example lift plan drawing · rooftop plant lift (fictional site)
DRAWING No.	RMT-EXAMPLE-01/EL-01
SCALE / SIZE	1:200 @ A3

REV				DRAWN	CHECKED	APPROVED	
A	9 Nov 2026	First issue	MM / MM	9 Nov 2026 Michael Marsh	9 Nov 2026 Michael Marsh	9 Nov 2026 Michael Marsh, AP (CPCS A61)	EXAMPLE ONLY

SCHEDULE OF LIFTS — RMT-EXAMPLE-01 Rev A

Ref	Load	Radius	Total load	Util
A	AHU at the pick, off the vehicle	9.00 m	4,691 kg	—
B	AHU landed on the roof (governs)	16.00 m	4,691 kg	44.7%

N



SCALE 1:250 (A3)

0 2 4 6 8 10 m

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LIFTING OPERATION GENERAL ARRANGEMENT PLAN (TOP VIEW)

NOTES

1. Do not scale from this drawing — figured dimensions govern.
2. Radii are measured horizontally from the slew centre of the machine.
3. Outriggers to the extension shown, on mats, on firm level ground.
4. Exclusion zone 13.00 m x 26.50 m, as the lift plan derives it.
5. Vehicle, set-down and personnel positions are indicative, confirmed on the day.
6. Read with the lift plan and the companion GA sheet.
7. Barrier layout 26.50 x 13.00 m: 14.50 m ahead of the datum, 12.00 m behind, 6.50 m left, 6.50 m right. It closes 6.50 m from the datum, nearer than the 19.80 m exclusion radius: the plan must state what keeps people out of the rest of the radius.

LEGEND

- Machine superstructure and boom
- Carrier, outriggers and mats
- Load / set-down position
- Exclusion zone barrier
- Lift reference — see schedule
- Slinger, supervisor, marshal
- Tail swing R 3.97 m (largest rig - confirm)

MACHINE	**Liebherr LTM 1100-5.2**
DUTY	**Mobile crane (BS 7121-3) · LICCON chart 10745: 11.5 t counterweight, 7.36 x 7.00 m base, 22.7 m boom, SWL 10.5 t at 16.0 m**
CLIENT / PC	**Example lift plan drawing · rooftop plant lift (fictional site)**
DRAWING No.	**RMT-EXAMPLE-01/PL-01**
SCALE / SIZE	**1:250 @ A3**

REV				DRAWN	CHECKED	APPROVED	
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RIGGING ARRANGEMENT

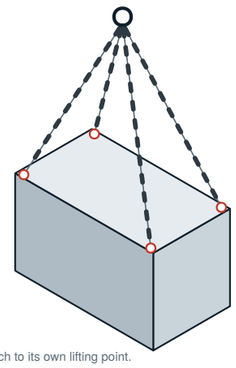
LIEBHERR LTM 1100-5.2

SCHEDULE OF LIFTING GEAR

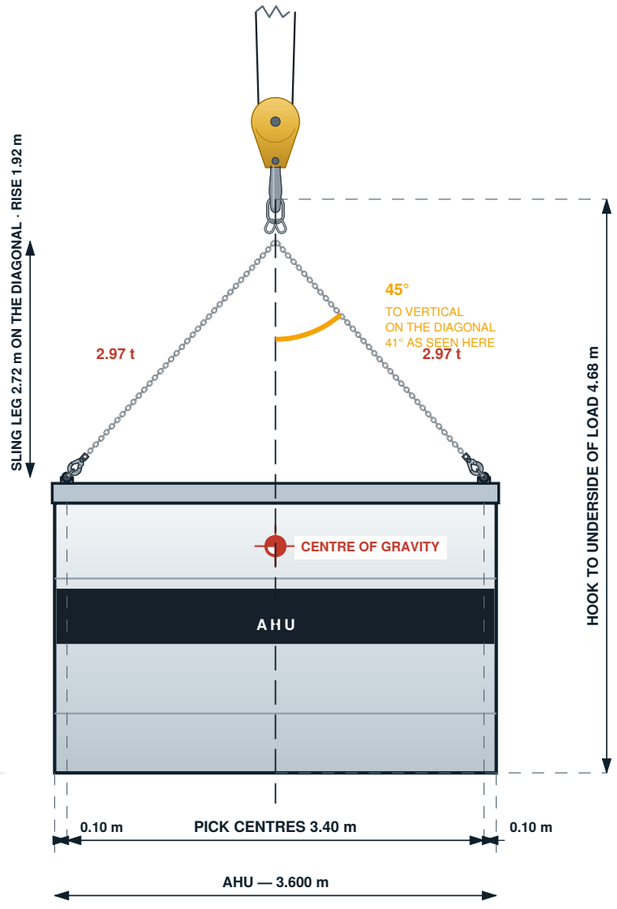
4-leg Chain, tag 8.50 t	5.67 t	37.6 kg
Green Pin bow shackle x4	3.25 t	3.0 kg
LOAD	—	**4200 kg**
RIGGING	—	**41 kg**
BELOW THE HOOK	—	**4241 kg**
HOOK BLOCK	**26.1 t**	**450 kg**
GROSS ON THE CRANE	—	**4691 kg**

Shackle 3.25 t: jaw 27 mm · pin 19 mm · inside 64 mm
Green Pin (Van Beest) Bow Shackle BN G-4163
Sling mass not stated: off the maker's figures
Thiele The Book 6.0, 10 mm grade 10, legs 2.72 m

DETAIL C — ALL 4 LEGS



4 legs, each to its own lifting point.
Illustration, not to scale. Figures are on this sheet.

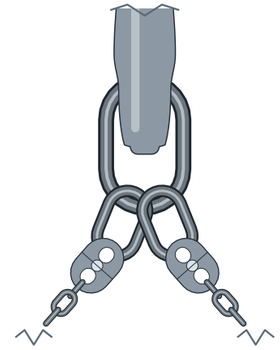


4-LEG SLING SHOWN IN THE PLANE THROUGH THE HOOK — REMAINING LEGS ARE FORESHORTENED

1:50

0 1 2 3 4 5 m

DETAIL A — HEAD OF SLING 1:10



Crane hook DIN 15401 No 10 (Irizar Forge):
seat Ø112, throat 90; T/M4 size for 26.1 t
Master link assembly F1814026:
master 180 × 100 inside, bar Ø26
intermediates 90 × 45, bar Ø20
each intermediate carries two legs;
the second is behind, in line
Connecting link 10-10:
bearing to bearing 72, 97 × 66.5
Chain 10 mm grade 10 (10-10):
pitch 30, width 13.4 inside, 37.0 outside

Thiele The Book 6.0 · size from the tag WLL

DETAIL B — FOOT OF LEG 1:10



Clevis self-locking hook 10-10:
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bow Ø16, pin Ø19, jaw 27
Lifting lug: the load's own,
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Thiele The Book 6.0 · Green Pin catalogue ch.1

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LIFTING OPERATION
RIGGING ARRANGEMENT
BELOW THE HOOK

NOTES

Do not scale from this drawing — figured dimensions govern.
Sling angles are TO THE VERTICAL, as marked on the sling tag (BS EN 818-4 cl.7.3; BS EN 13414-1; BS EN 1492-1).
Mode factor 1.4 (three/four leg on a RIGID load with legs that are not individually adjustable, so worked as a two-leg sling at 0-45 deg (BS EN 13414-2 A.1.5.6)). Leg tension factor 1/cos β = 1.414.
Sling assembly rated 5.67 t on the 8.50 t 4-leg tag re-rated as a two-leg sling (x 1.4 / 2.1): rigid load, legs not individually adjustable (BS EN 13414-2 A.1.5.6). Utilisation 74.1%.
Gross on the crane 4691 kg = load 4200 + rigging 41 + hook block 450 kg. The duty chart is read on it.
Accessories to be within a current thorough examination (LOLER 1998 reg.9) and checked before use. The AP selects the gear, its attachment and the CoG (BS 7121-1 cl.4.3.2(l)).

LEGEND

- Sling legs and rigging
- Load
- Centre of gravity
- Vertical through the hook

MACHINE	**Liebherr LTM 1100-5.2**
DUTY	**Mobile crane (BS 7121-3) · LICCON chart 10745: 11.5 t counterweight, 7.36 x 7.00 m base, 22.7 m boom, SWL 10.5 t at 16.0 m**
CLIENT / PC	**Example lift plan drawing · rooftop plant lift (fictional site)**
DRAWING No.	**RMT-EXAMPLE-01/RG-01**
SCALE / SIZE	**1:50 @ A3**

REV				DRAWN	CHECKED	APPROVED	
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