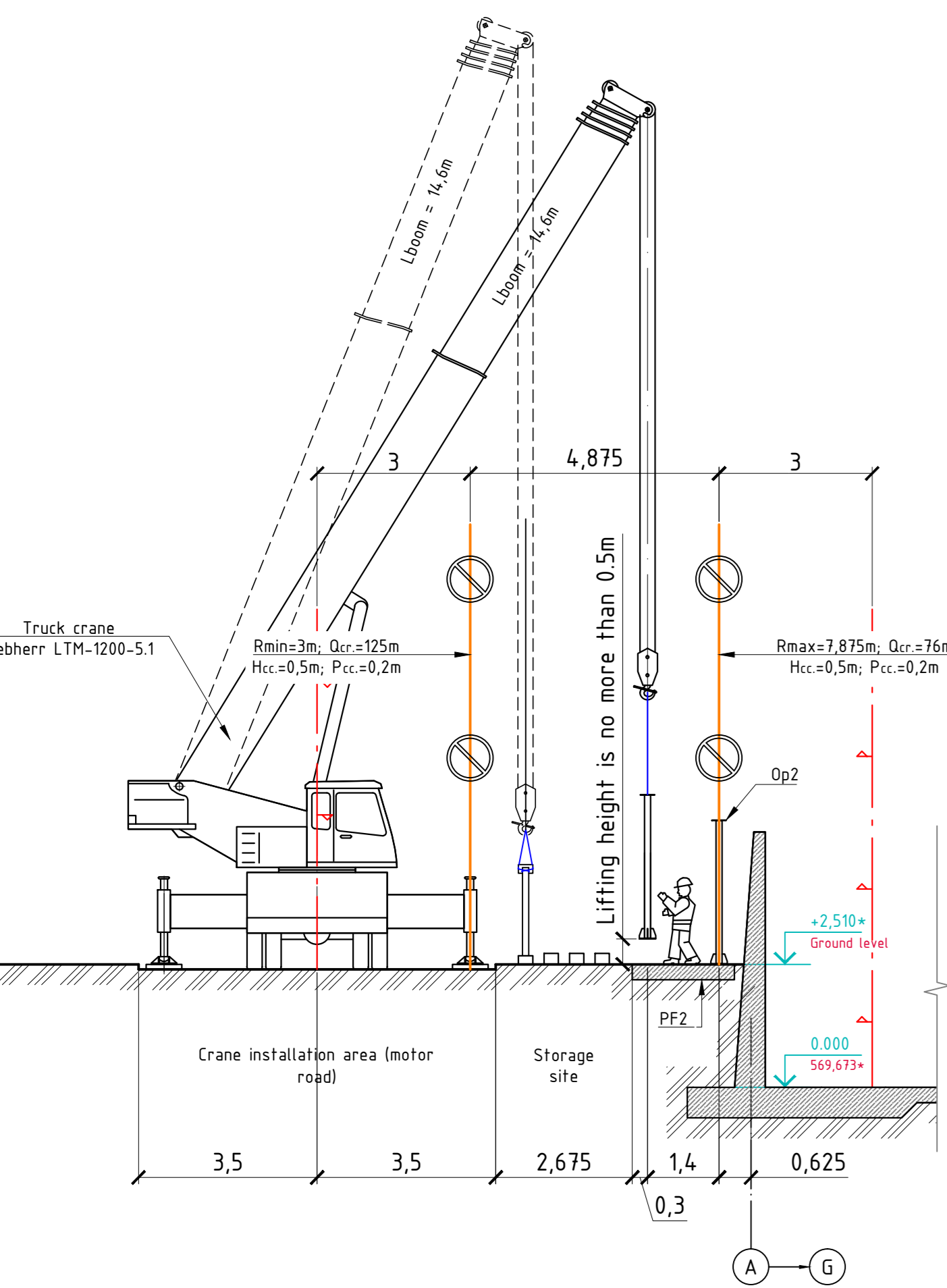
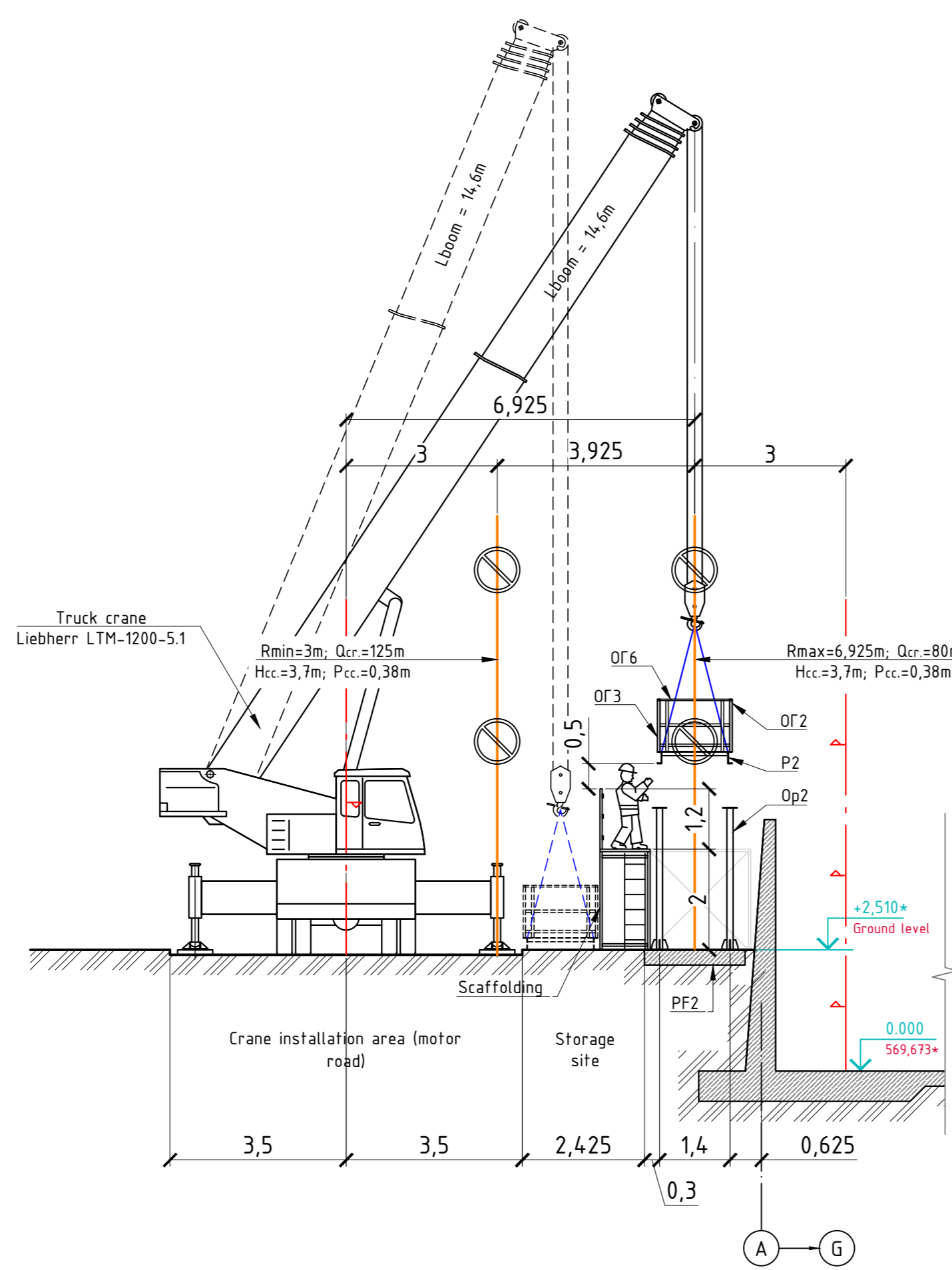


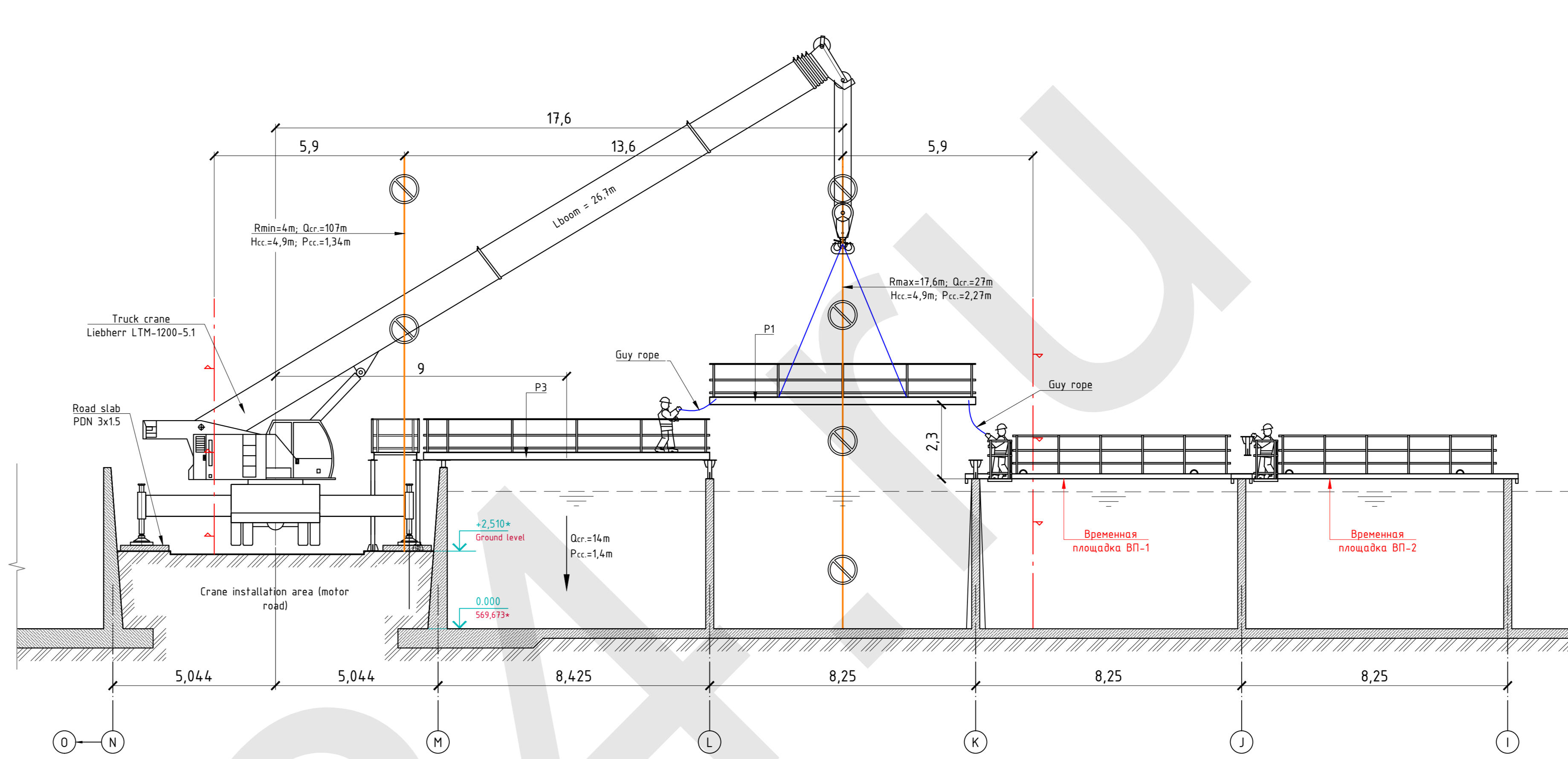
Installation of supports Op2



Installation of platforms P2



Installation of platforms P3 and P1



LEGEND:

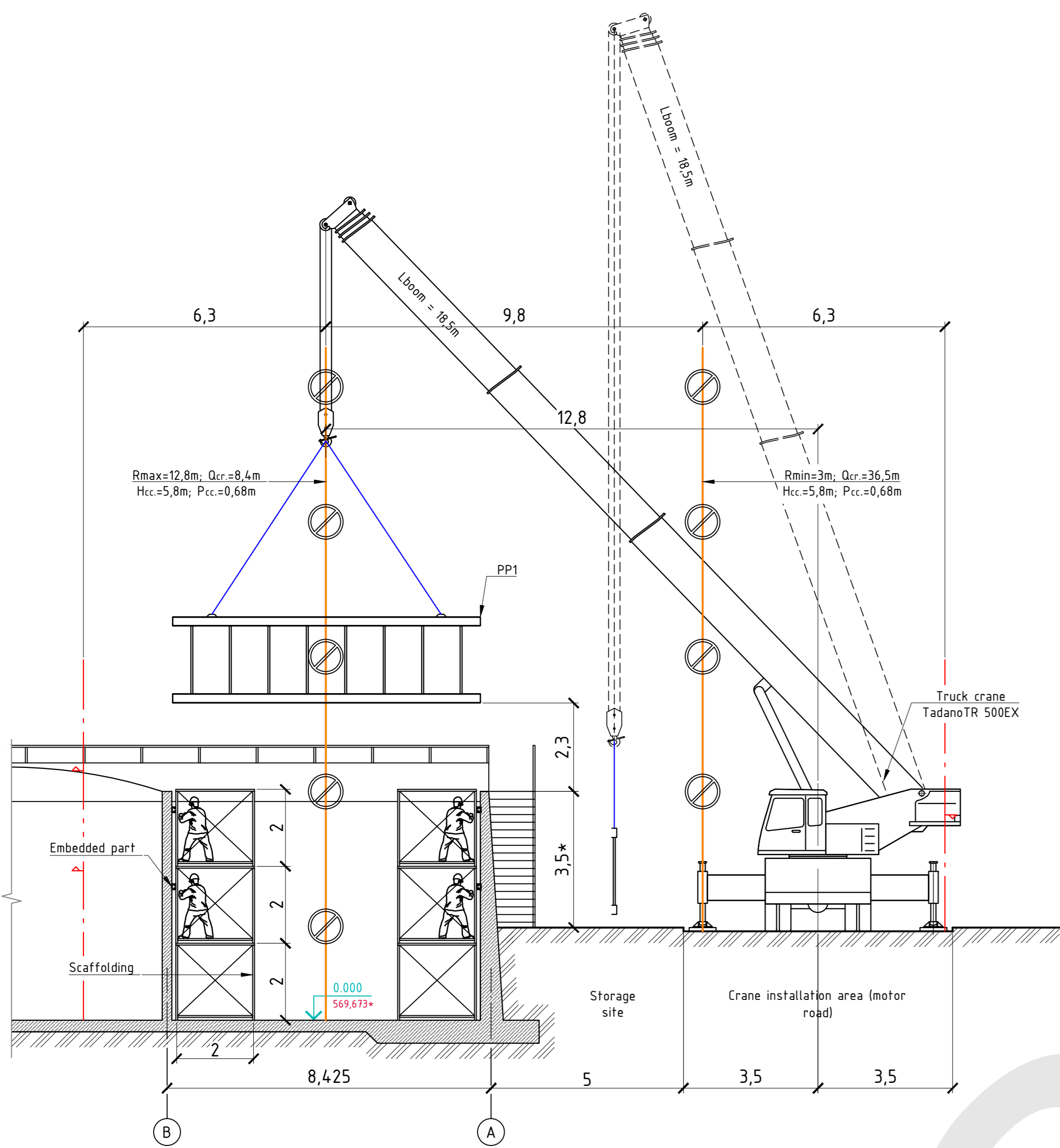
- - Boundaries of a truck crane work area
- - Hazard zone of cargo falling when moving by a truck crane

Table of carrying capacity for a truck crane TADANO TR-500EX

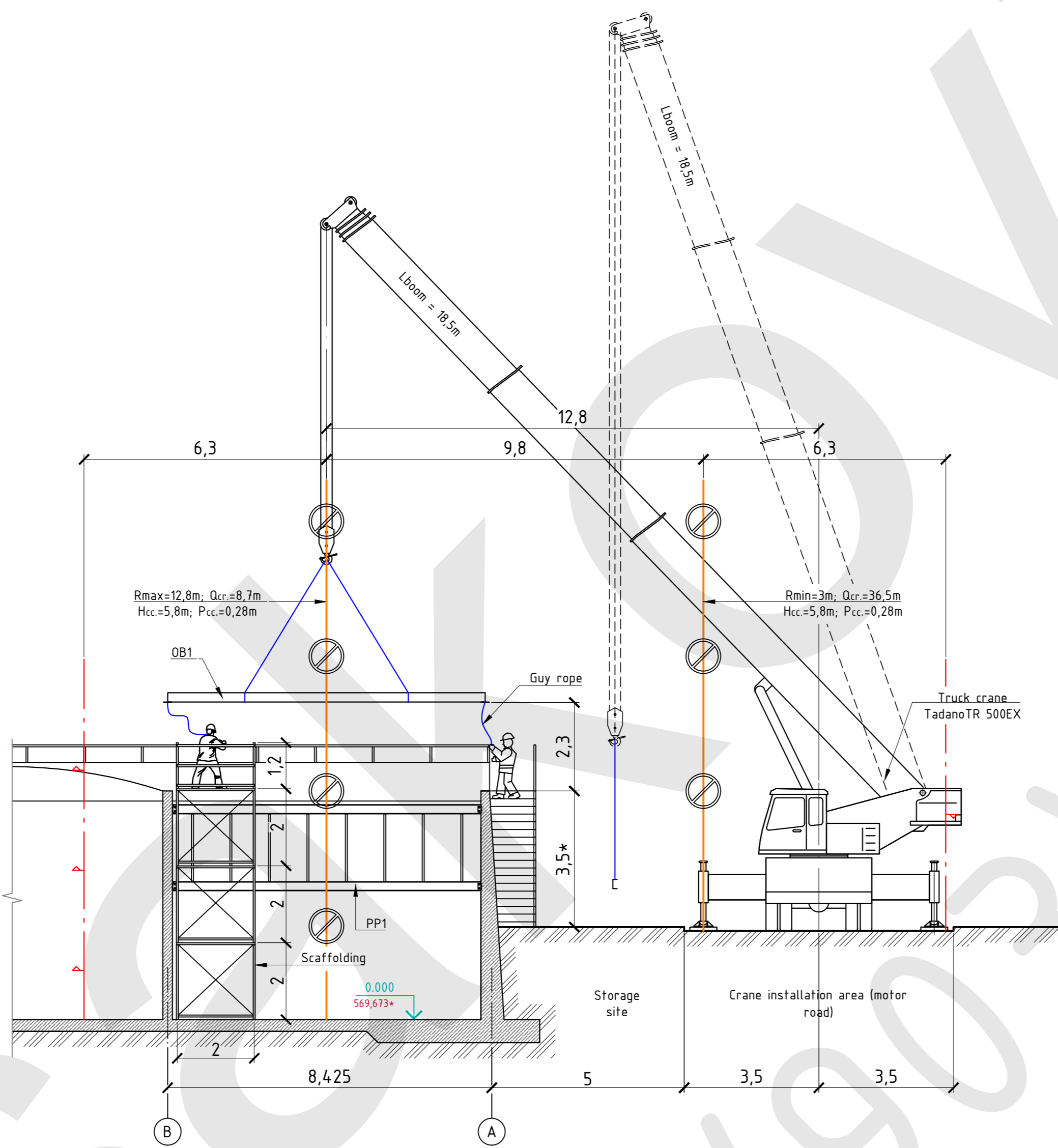
B	Outriggers fully extended (360°)									
	10.7m	14.6m	18.5m	22.4m	26.3m	30.2m	34.1m	38.0m	41.9m	45.8m
3.0m	50,000	40,000	36,800	34,800	33,200	32,000	31,000	30,000	29,000	28,000
3.5m	42,000	34,000	31,200	29,600	28,000	27,000	26,000	25,000	24,000	23,000
4.0m	38,000	30,000	27,600	26,000	24,400	23,400	22,400	21,400	20,400	19,400
4.5m	34,000	26,000	23,600	22,000	20,400	19,400	18,400	17,400	16,400	15,400
5.0m	30,000	22,000	19,600	18,000	16,400	15,400	14,400	13,400	12,400	11,400
5.5m	26,000	18,000	15,600	14,000	12,400	11,400	10,400	9,400	8,400	7,400
6.0m	22,000	14,000	11,600	10,000	8,400	7,400	6,400	5,400	4,400	3,400
6.5m	18,000	10,000	7,600	6,000	4,400	3,400	2,400	1,400	400	0
7.0m	14,000	6,000	3,600	2,000	400	0	0	0	0	0
7.5m	10,000	2,000	0	0	0	0	0	0	0	0
8.0m	6,000	0	0	0	0	0	0	0	0	0
8.5m	2,000	0	0	0	0	0	0	0	0	0
9.0m	0	0	0	0	0	0	0	0	0	0
9.5m	0	0	0	0	0	0	0	0	0	0
10.0m	0	0	0	0	0	0	0	0	0	0
10.5m	0	0	0	0	0	0	0	0	0	0
11.0m	0	0	0	0	0	0	0	0	0	0
11.5m	0	0	0	0	0	0	0	0	0	0
12.0m	0	0	0	0	0	0	0	0	0	0
12.5m	0	0	0	0	0	0	0	0	0	0
13.0m	0	0	0	0	0	0	0	0	0	0
13.5m	0	0	0	0	0	0	0	0	0	0
14.0m	0	0	0	0	0	0	0	0	0	0
14.5m	0	0	0	0	0	0	0	0	0	0
15.0m	0	0	0	0	0	0	0	0	0	0
15.5m	0	0	0	0	0	0	0	0	0	0
16.0m	0	0	0	0	0	0	0	0	0	0
16.5m	0	0	0	0	0	0	0	0	0	0
17.0m	0	0	0	0	0	0	0	0	0	0
17.5m	0	0	0	0	0	0	0	0	0	0
18.0m	0	0	0	0	0	0	0	0	0	0
18.5m	0	0	0	0	0	0	0	0	0	0
19.0m	0	0	0	0	0	0	0	0	0	0
19.5m	0	0	0	0	0	0	0	0	0	0
20.0m	0	0	0	0	0	0	0	0	0	0
20.5m	0	0	0	0	0	0	0	0	0	0
21.0m	0	0	0	0	0	0	0	0	0	0
21.5m	0	0	0	0	0	0	0	0	0	0
22.0m	0	0	0	0	0	0	0	0	0	0
22.5m	0	0	0	0	0	0	0	0	0	0
23.0m	0	0	0	0	0	0	0	0	0	0
23.5m	0	0	0	0	0	0	0	0	0	0
24.0m	0	0	0	0	0	0	0	0	0	0
24.5m	0	0	0	0	0	0	0	0	0	0
25.0m	0	0	0	0	0	0	0	0	0	0
25.5m	0	0	0	0	0	0	0	0	0	0
26.0m	0	0	0	0	0	0	0	0	0	0
26.5m	0	0	0	0	0	0	0	0	0	0
27.0m	0	0	0	0	0	0	0	0	0	0
27.5m	0	0	0	0	0	0	0	0	0	0
28.0m	0	0	0	0	0	0	0	0	0	0
28.5m	0	0	0	0	0	0	0	0	0	0
29.0m	0	0	0	0	0	0	0	0	0	0
29.5m	0	0	0	0	0	0	0	0	0	0
30.0m	0	0	0	0	0	0	0	0	0	0

Curves of carrying capacity for a truck crane LIEBHERR LTM-1200-5.1

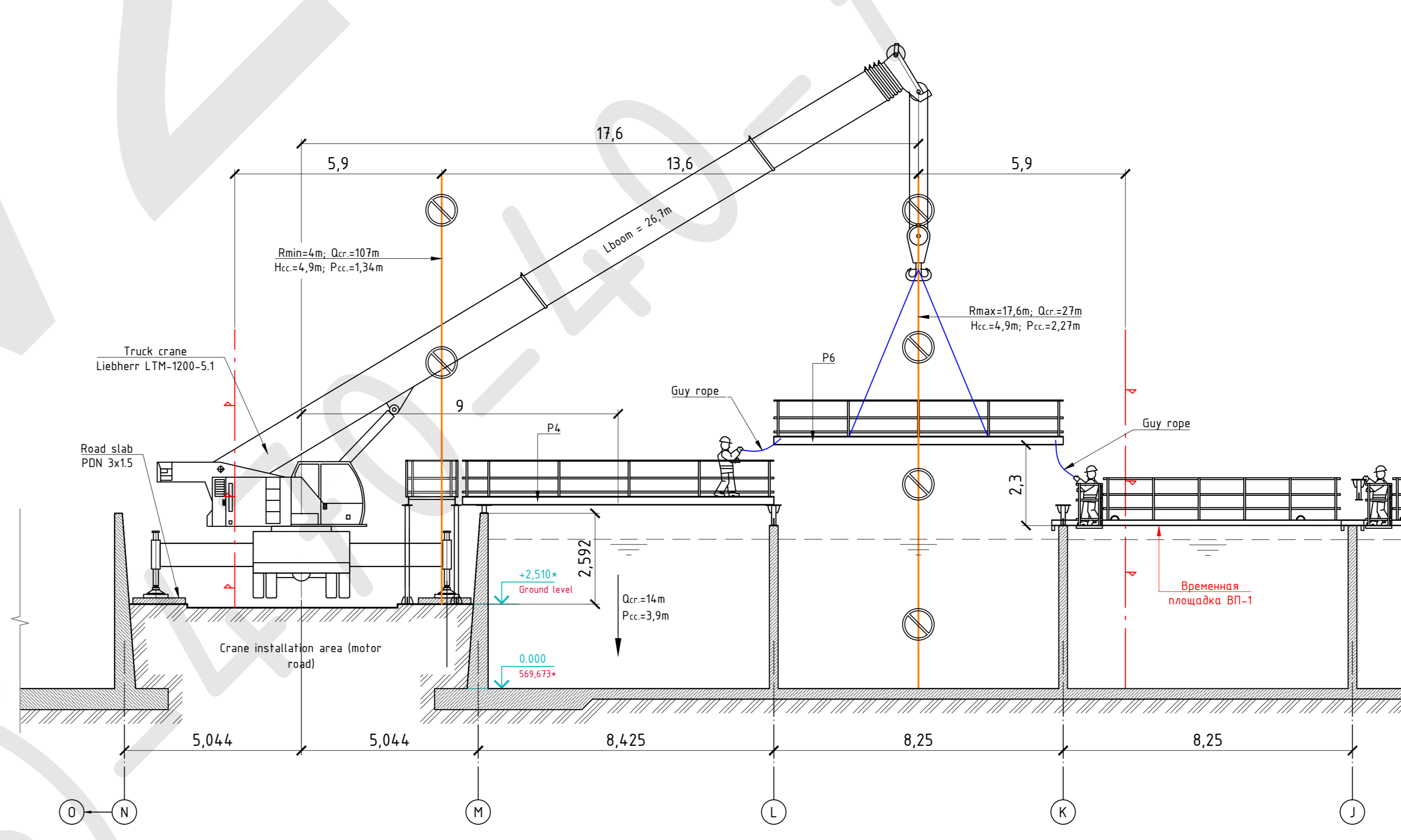
Installation of defoaming partitions PP1



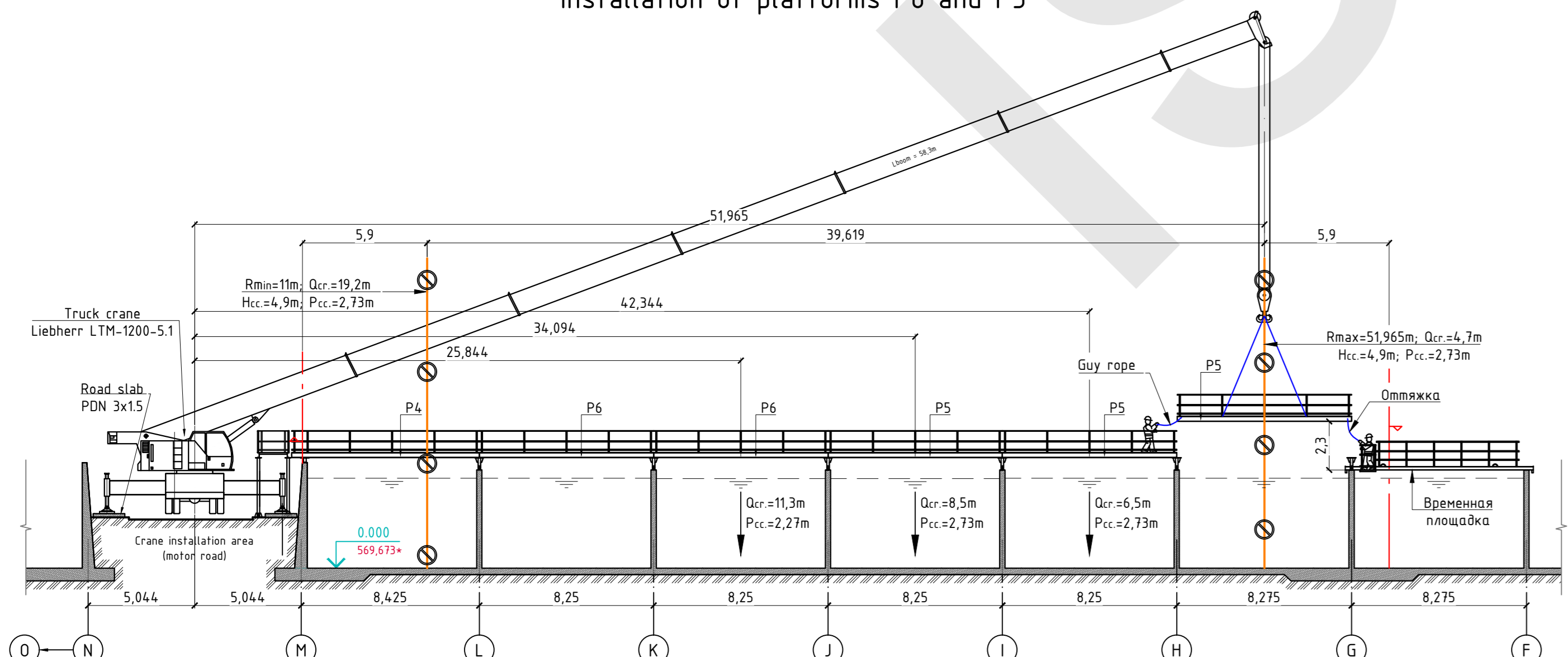
Installation of support beam OB1



Installation of platforms P4 and P6



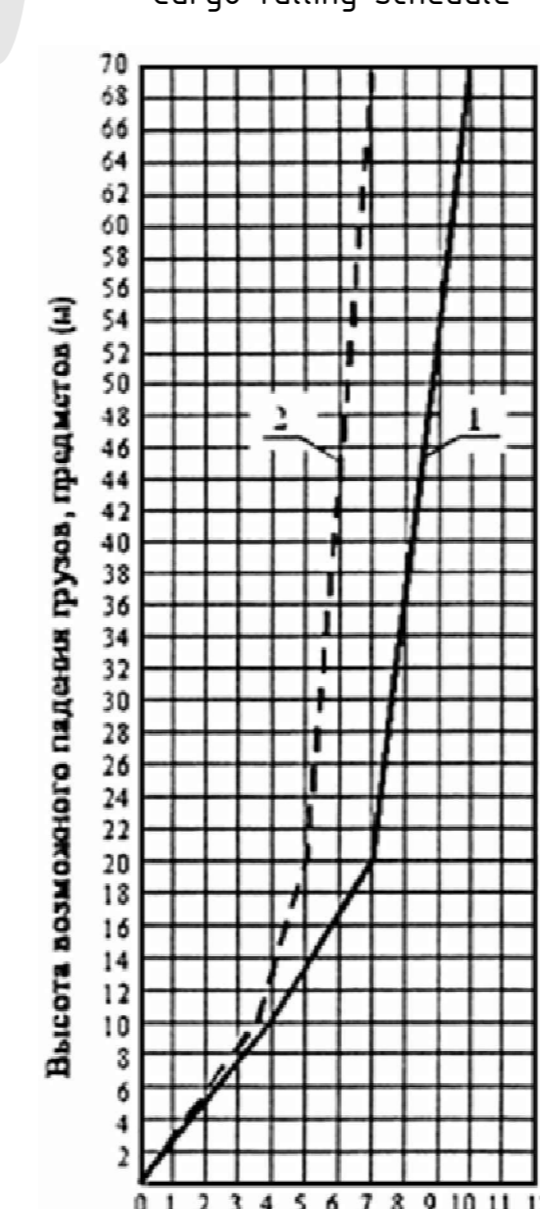
Installation of platforms P6 and P5



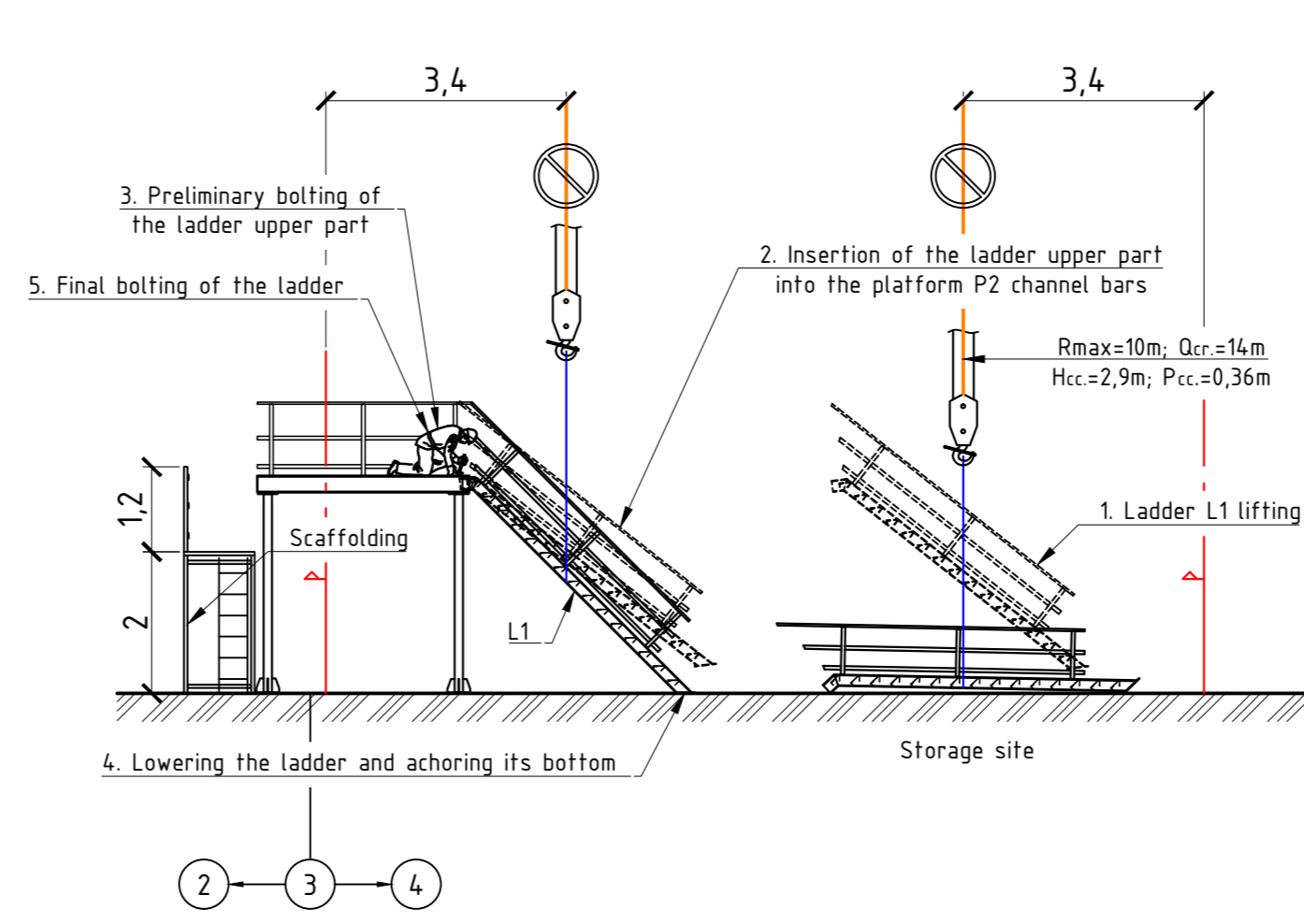
Calculations of hazard zones in case of falling of transported cargoes

- Determination of the hazard zone in case of movement of the support Op2:
 - $H_z = L + X + 2.8 \cdot 0.2 = 3m$, where:
 - L - cargo length, m;
 - X - cargo kickback minimum distance, determined by the cargo falling schedule.
- Determination of the hazard zone in case of movement of the platform P2:
 - $H_z = 0.5 \times L + X + 0.5 \times 3 + 1.5 = 3m$, where:
 - L - cargo length, m;
 - X - cargo kickback minimum distance, determined by the cargo falling schedule.
- Determination of the hazard zone in case of movement of ladder L1:
 - $H_z = 0.5 \times L + X + 0.5 \times 4.8 + 1 = 3.4m$, where:
 - L - cargo length, m;
 - X - cargo kickback minimum distance, determined by the cargo falling schedule.
- Determination of the hazard zone in case of movement of platforms P1, P3, P6:
 - $H_z = 0.5 \times L + X + 0.5 \times 8 + 1.8 = 5.9m$, where:
 - L - cargo length, m;
 - X - cargo kickback minimum distance, determined by the cargo falling schedule.
- Determination of the hazard zone in case of movement of defoaming partition PP1:
 - $H_z = 0.5 \times L + X + 0.5 \times 8 + 2.3 = 6.3m$, where:
 - L - cargo length, m;
 - X - cargo kickback minimum distance, determined by the cargo falling schedule.
- Determination of the hazard zone in case of movement of support beam OB1:
 - $H_z = 0.5 \times L + X + 0.5 \times 8.25 + 2.3 = 6.4m$, where:
 - L - cargo length, m;
 - X - cargo kickback minimum distance, determined by the cargo falling schedule.
- Determination of the hazard zone in case of movement of prestressed road slabs PDN 3x1.5:
 - $H_z = 0.5 \times L + X + 0.5 \times 3 + 1 = 2.5m$, where:
 - L - cargo length, m;
 - X - cargo kickback minimum distance, determined by the cargo falling schedule.

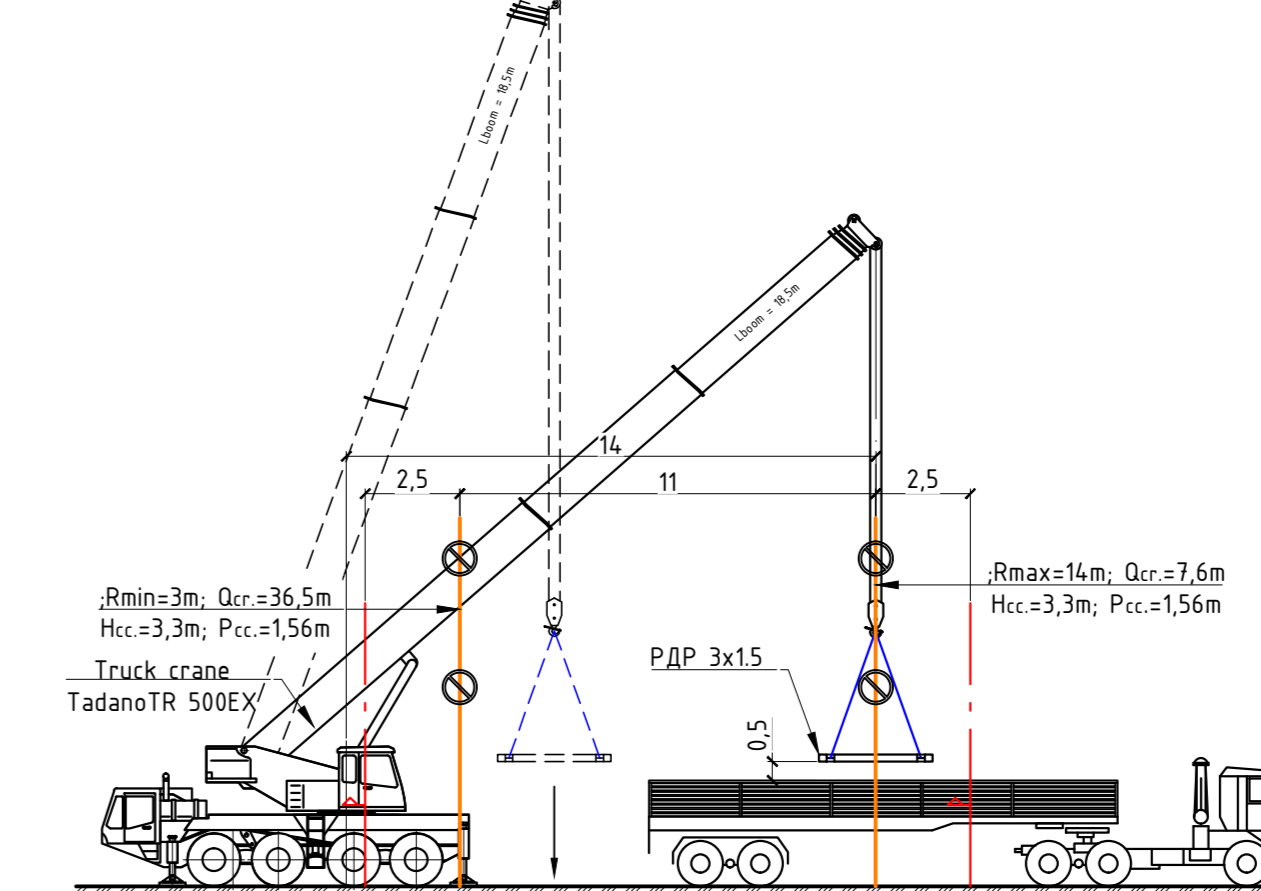
Cargo falling schedule



Installation and manipulation of ladder L1



Road slab PDN 3x1.5 installation diagram



SHOP DRAWING APPROVED

REJECTED

CS Signature _____

Date _____

DRAWN BY: Isakov

PREPARED BY: _____

CHECKED BY: _____

DATE: February 2014

SCALE: AS SHOWN

SHEET NO.: MSTP-EAT-MS-BR-0007

Size A0