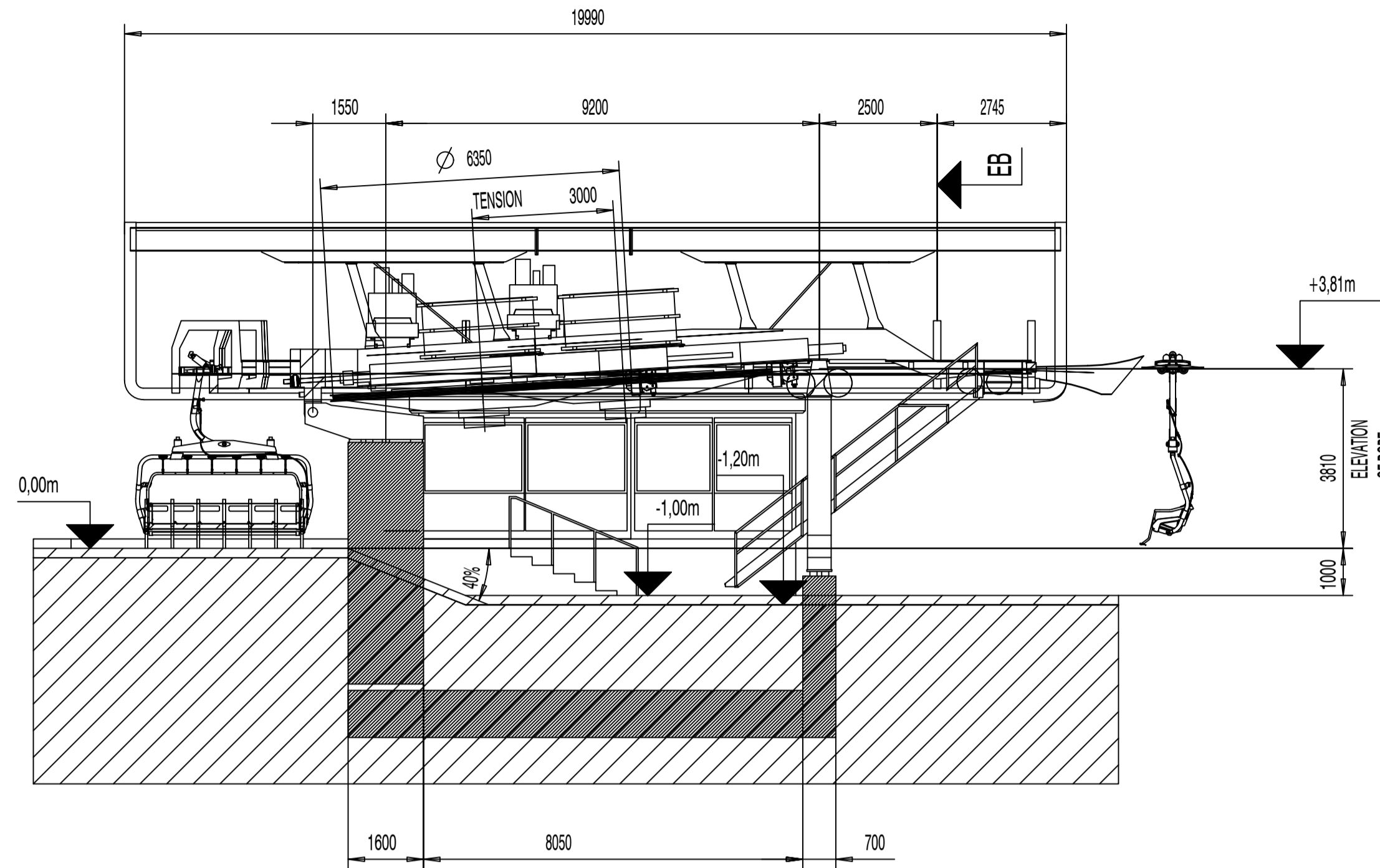
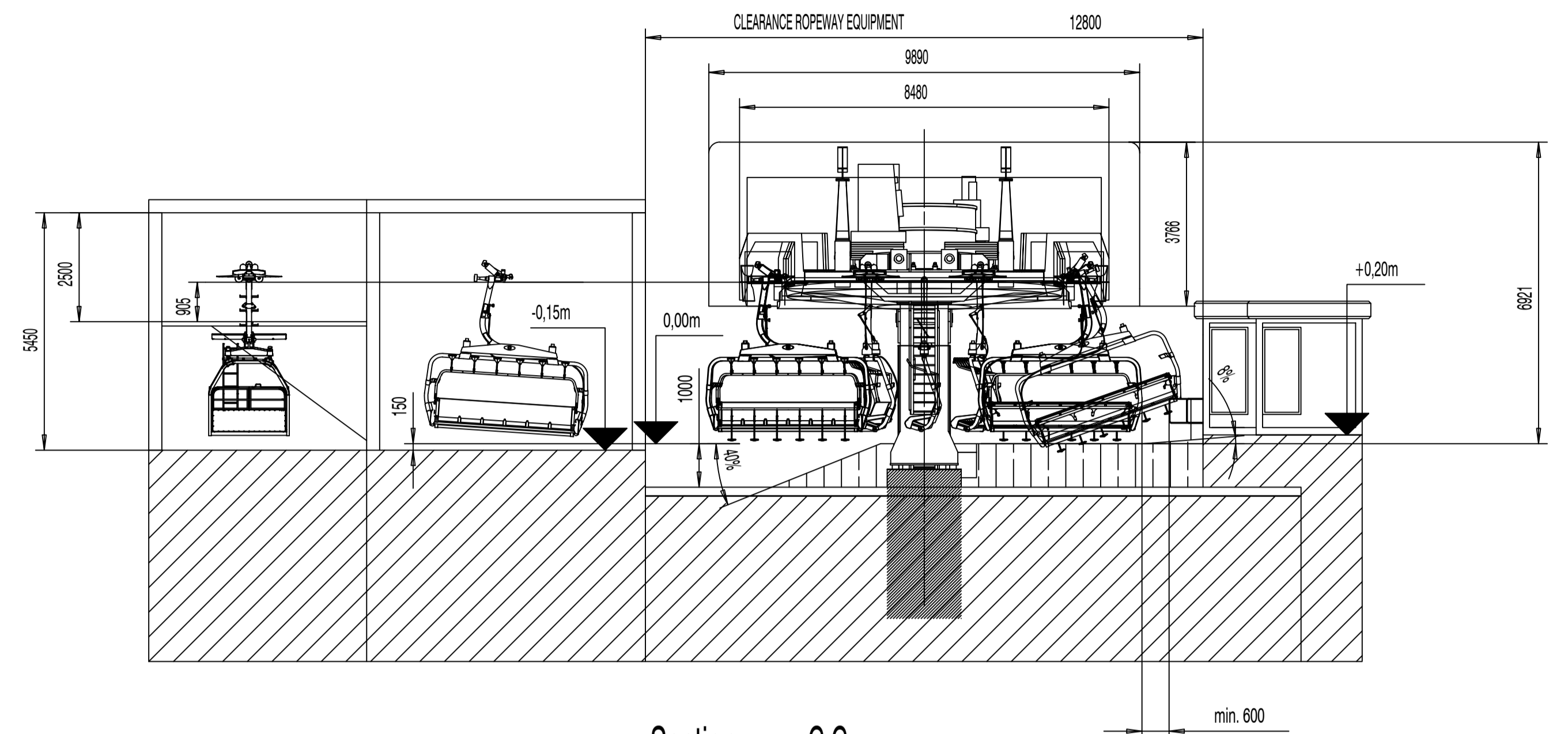


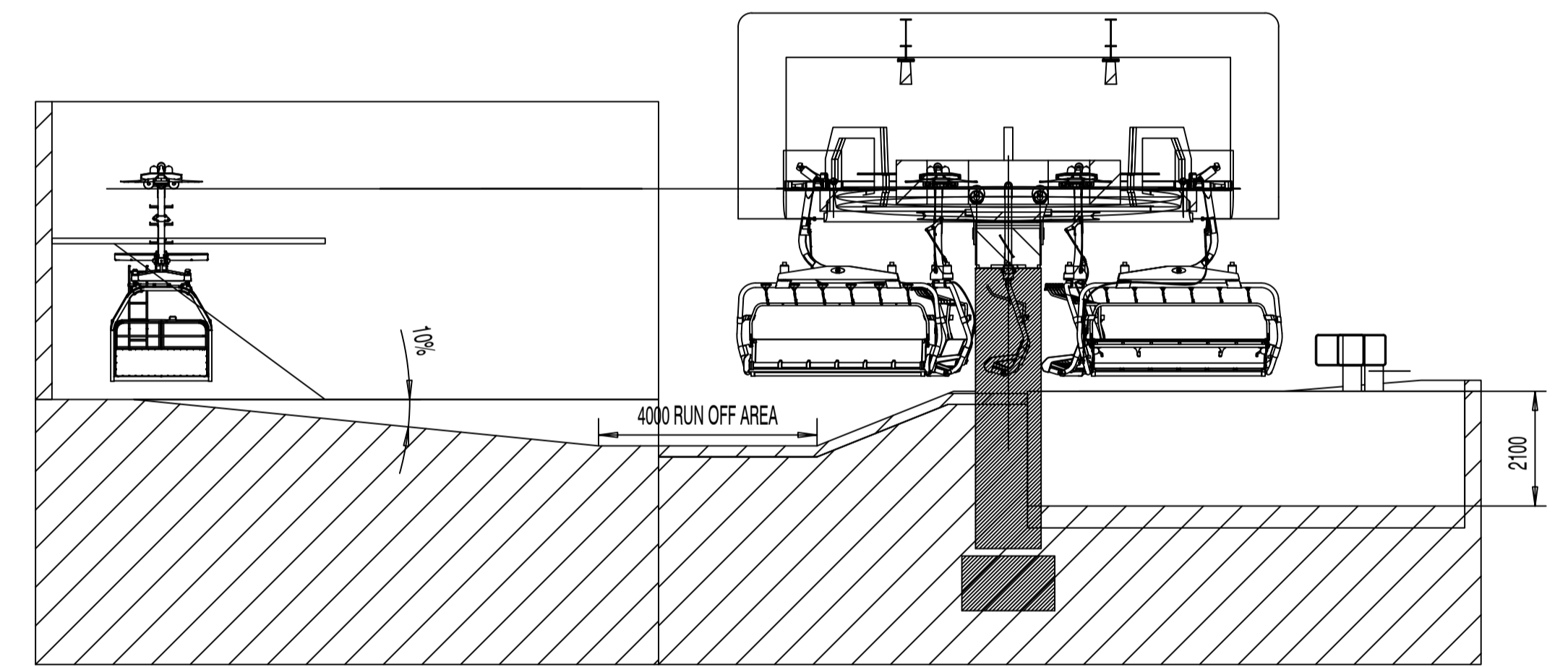
Section A-A
S= 1:100



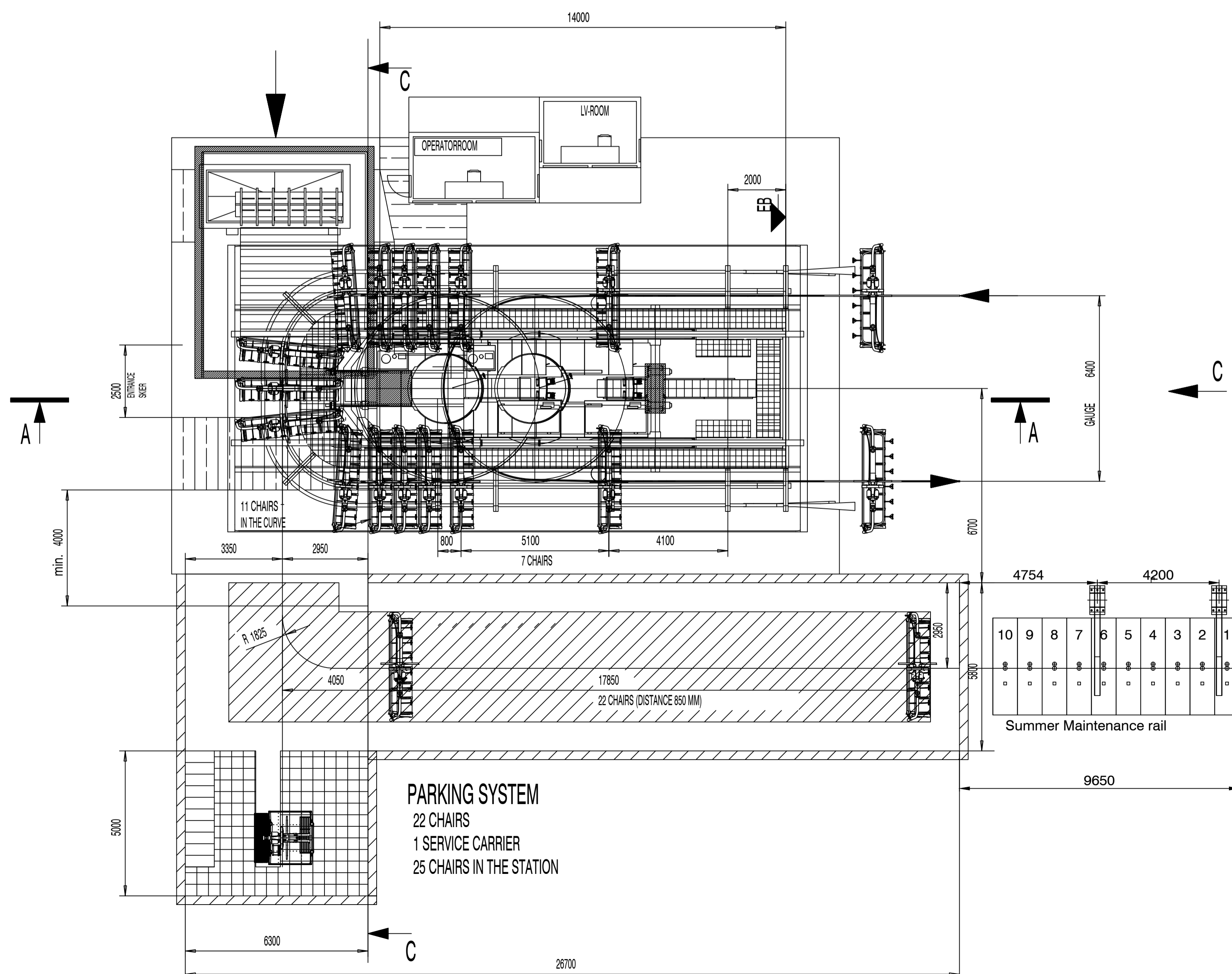
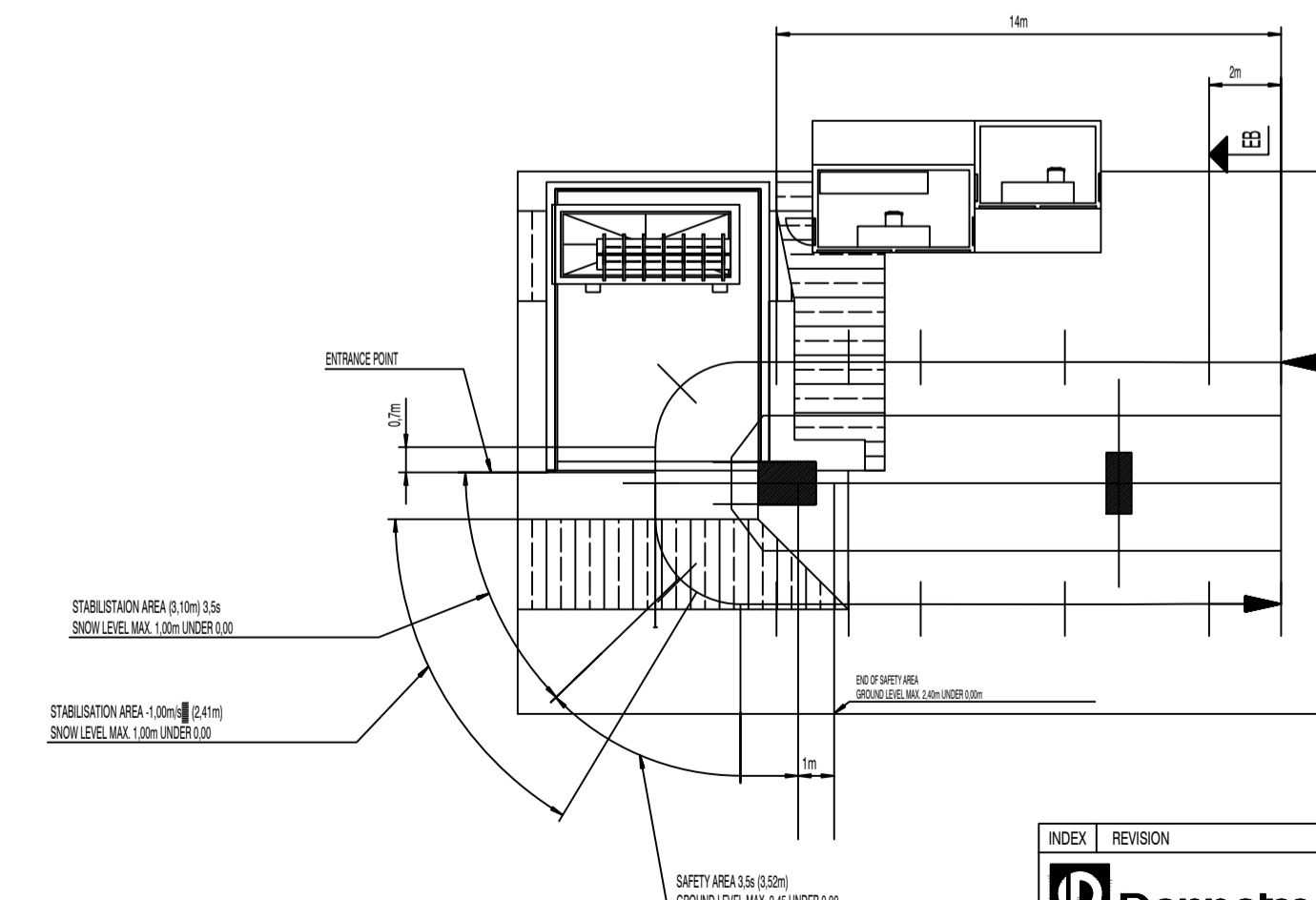
VIEW C



Section C-C
M= 1:100



Loading situation
M= 1:200



Standard		
safety area	EN12929-1:2015,	11.2
stabilisation area	EN12929-1:2015,	11.2
approach area	EN12929-1:2015,	11.3

Performance data	
Capacity	2400 pph
Interval	9.0 s
Speed	5.0 m/s
Rope diameter	43 mm
Cycle time	24.5 s
Loading speed	0.80 m/s
Rope tension ΣmaxR	- kN
Rope tension Σ Smax	- kN

11960596

INDEX	REVISION	DATE	NAME	COMPLIANT	ID NO.
	0				

SCALE	DATE	NAME
1/100	25.05.2022	HGA

SCALE	DATE	NAME
0 kg		

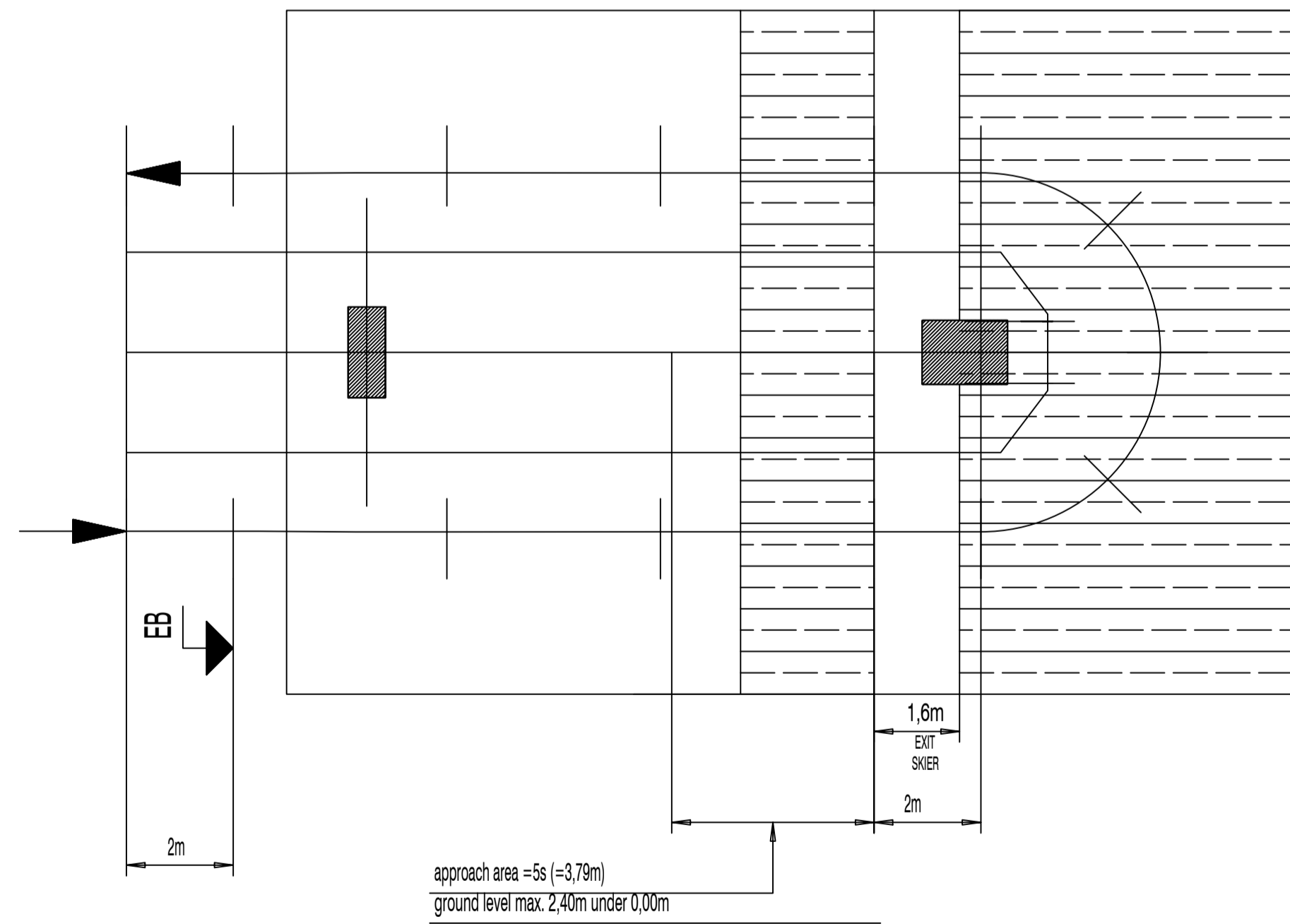
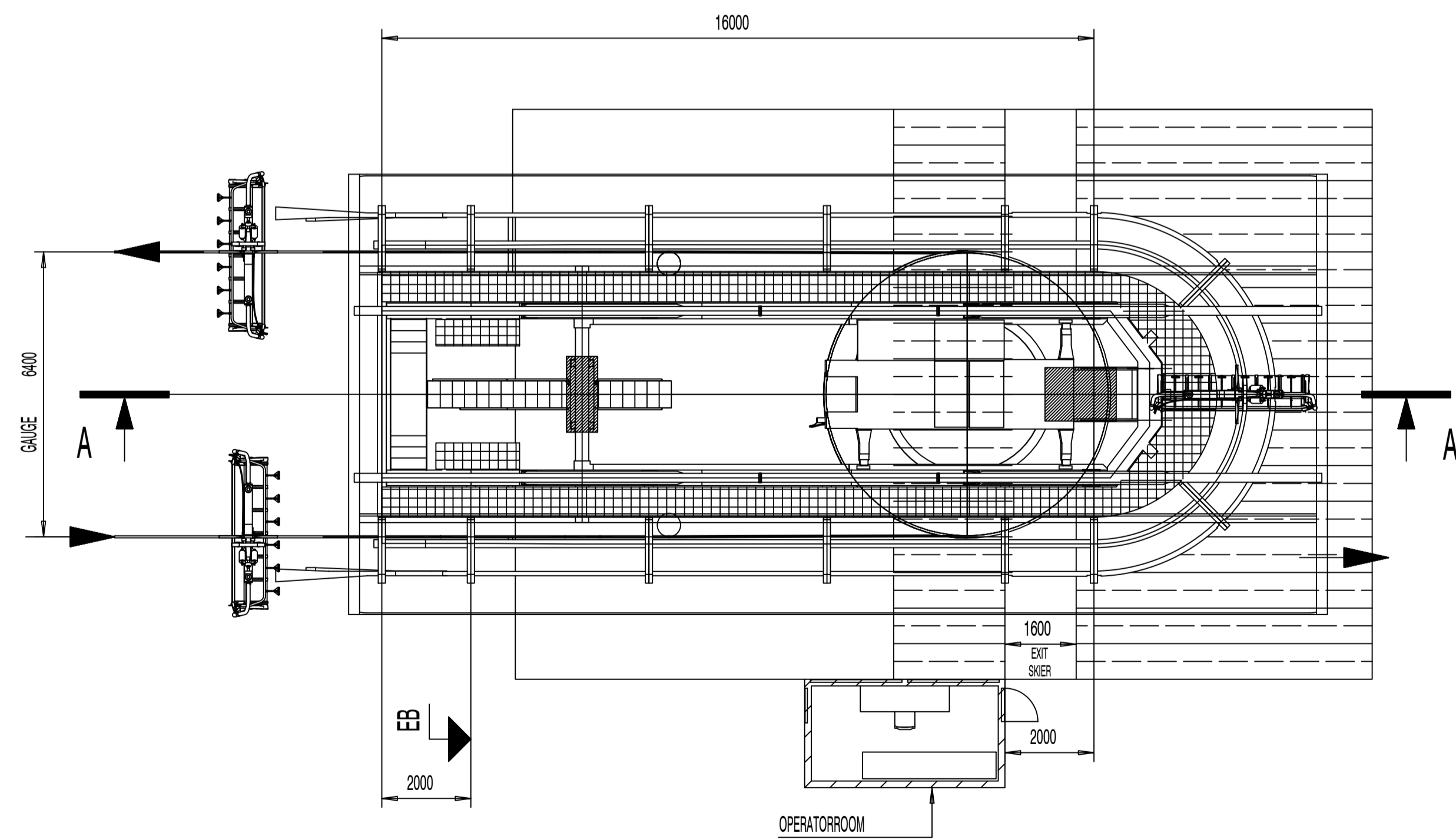
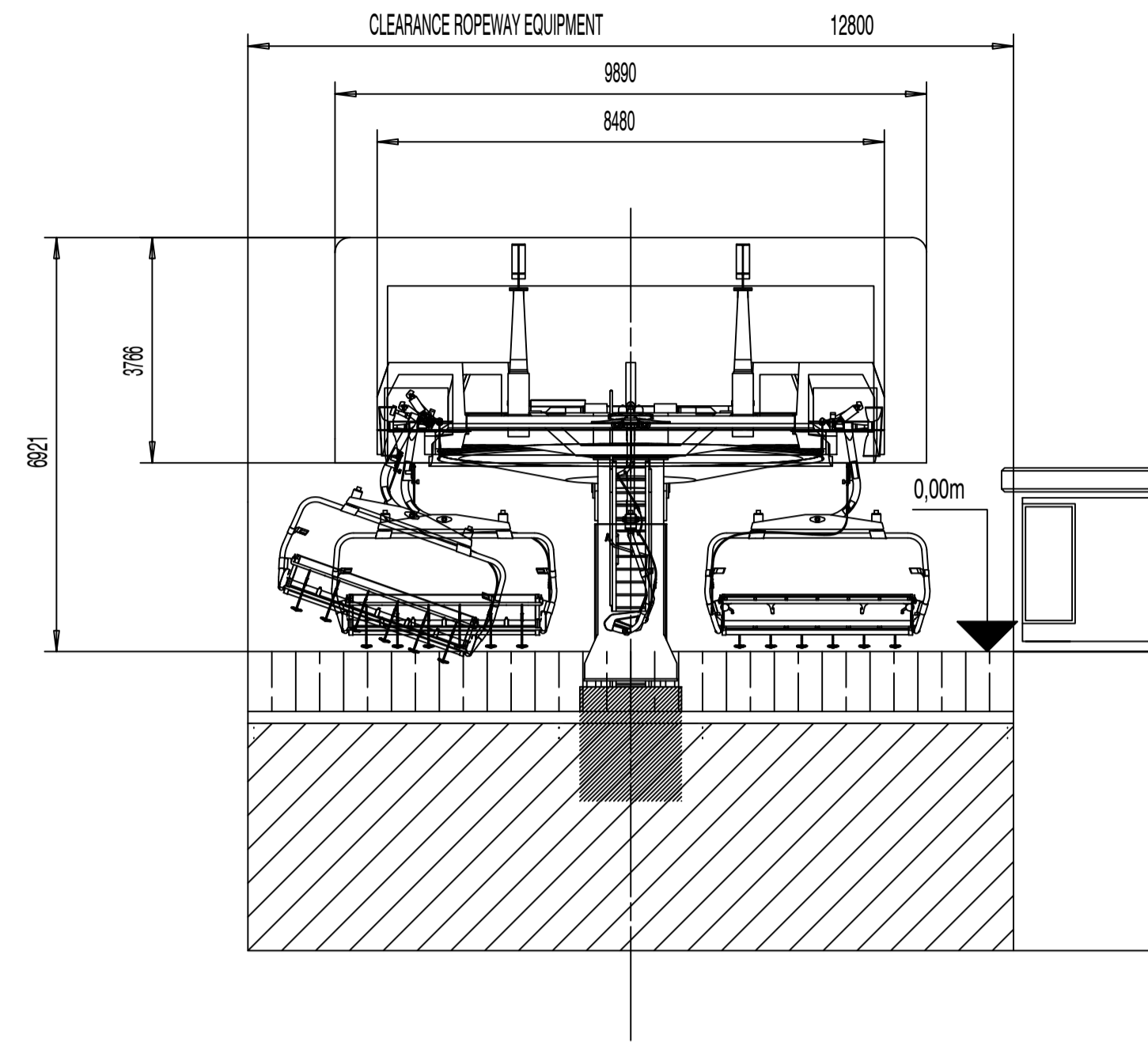
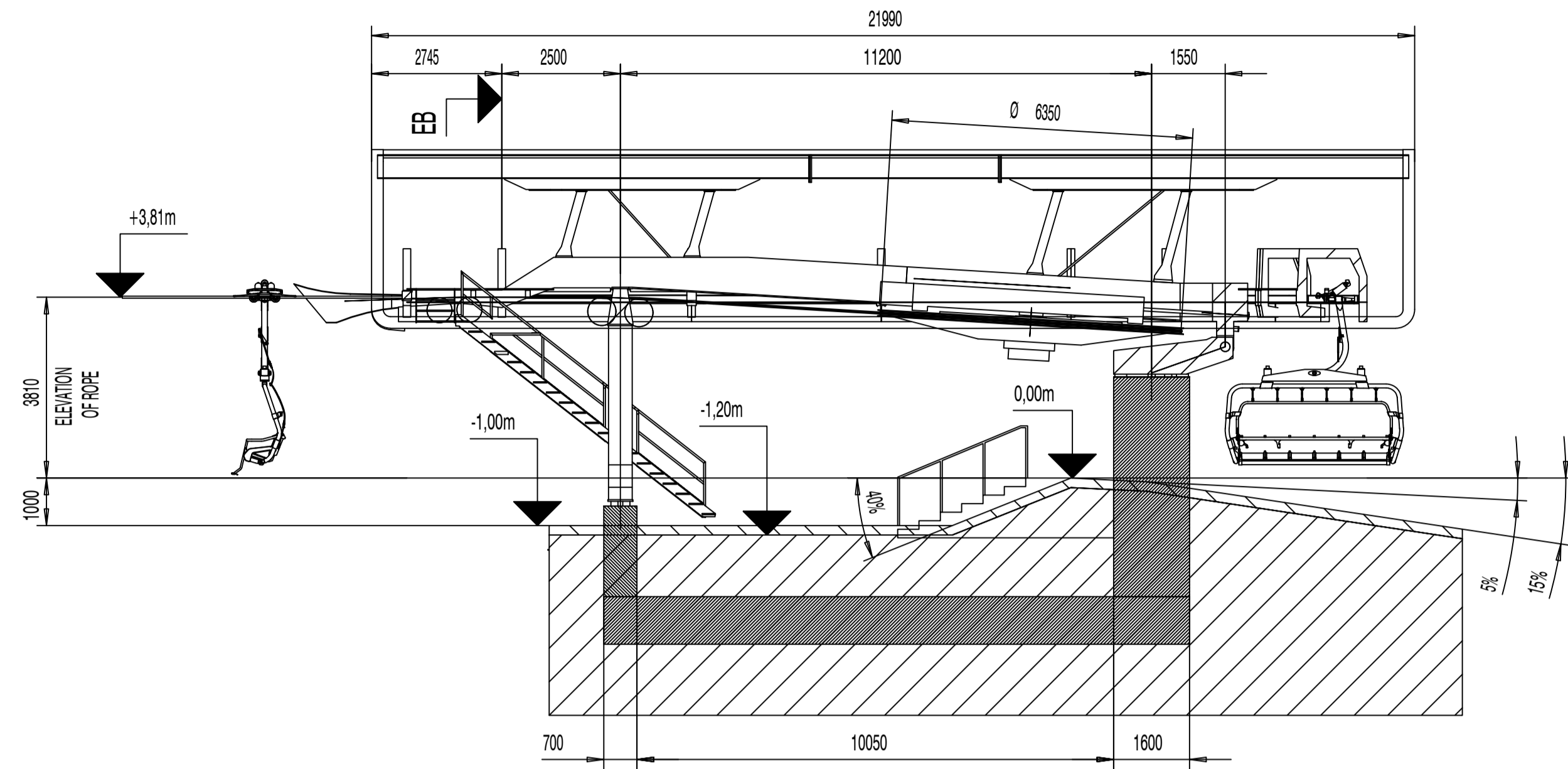
ORIGINAL DRAWING NO.	ID NO.
20249325E309001	11958816

DRAWING NO.	INDEX
20249671E309001 ¹	NZ-b

IMPORTANT:
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DETAIL PLANNING
ONLY UPON CONSULTATION
AND APPROVAL OF ENGINEERING DEPT.

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Section A-A
S= 1:100

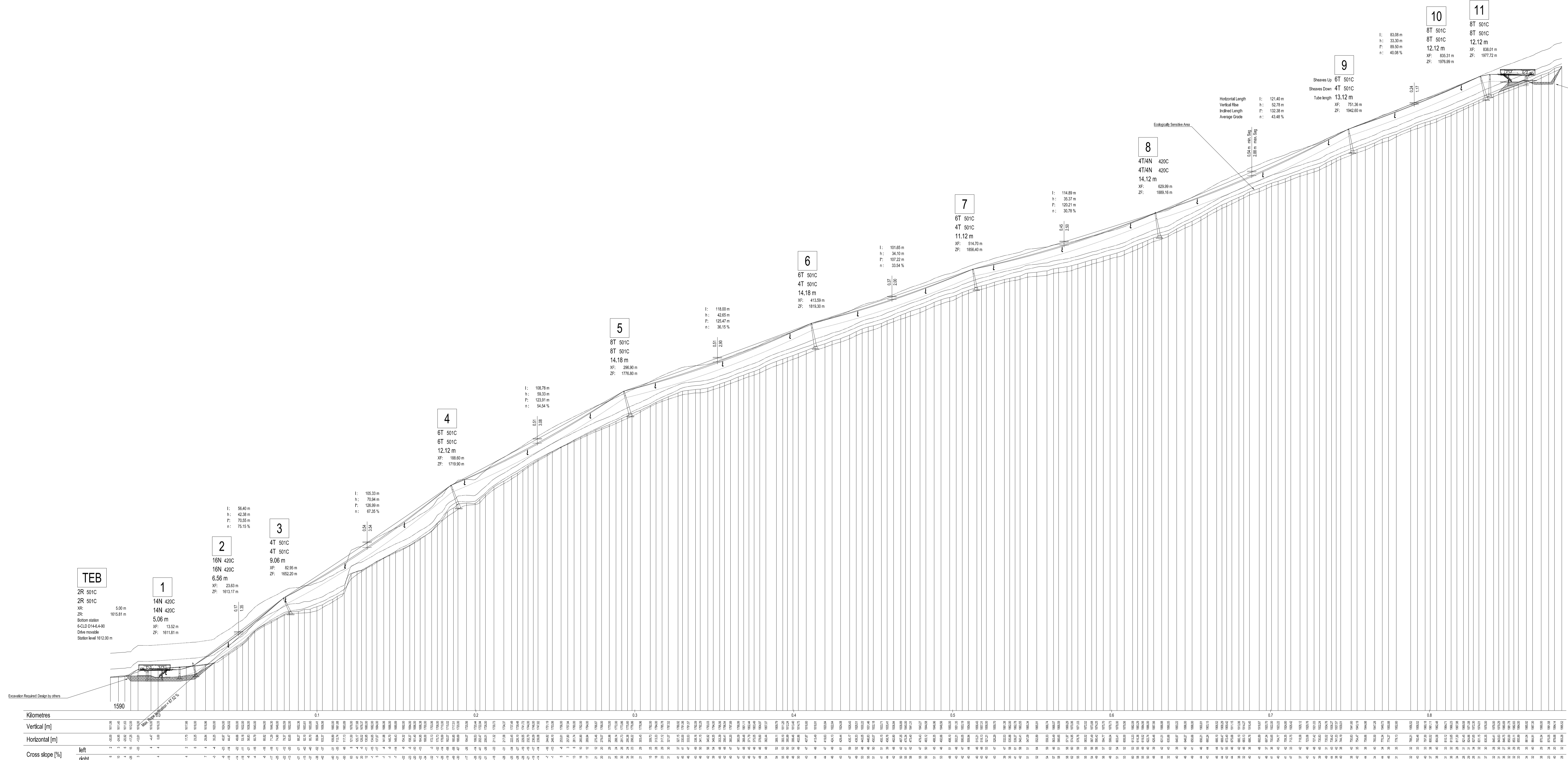


Standard		
safety area	EN12829-1:2015,	11.2
stabilisation area	EN12829-1:2015,	11.2
approach area	EN12829-1:2015,	11.3
Performance data		
Capacity		2.400 pph
Interval		9.0 s
Speed		5.0 m/s
Rope diameter		43 mm
Cycle time		29 s
Unloading speed		0,80 m/s
Rope tension S _{maxR}		- kN
Rope tension S _{max}		- kN
		11952615

IMPORTANT:
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 ONLY UPON CONSULTATION
 AND APPROVAL OF ENGINEERING DEPT.

INDEX	REVISION	DATE	NAME	Q-CLASS	CONFIGURATION	SCALE	DATE	NAME
						1/100	25.05.2022	HGA
		INNOVA PATENT GMBH Konrad-Doppelmayr-Strasse 1 A-8222 WOLFRATSHAUSEN		0		FACTOR: W.X.Y.Z		
INSTALLATION	SHADOW BASIN					0 kg	Issued for Consenting	
ORDER	WAA0001632							
TOP RETURN FIXED		DCD6-L / D16-6.4						
ORIGINAL DRAWING NO.		20247033E309001		ID NO.		11946418		
DRAWING NO.		20248347E309001		INDEX		NZ-b		

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10
8T 501C
8T 501C
12.12 m
XF: 835.31 m
ZF: 1976.69 m

11
8T 501C
8T 501C
12.12 m
XF: 838.01 m
ZF: 1977.72 m

BEB
2R 501C
2R 501C
1960.51 m
XF: 847.29 m
ZF: 1990.51 m
Top station: 194022.016-6.4
Return Road
Station level: 1960.29 m

9
Sheaves Up: 6T 501C
Sheaves Down: 4T 501C
Tube length: 13.12 m
XF: 830.00 m
ZF: 1942.60 m

Horizontal Length	1: 121.40 m
Vertical Rise	h: 52.78 m
Inclined Length	l: 132.38 m
Average Grade	n: 43.48 %

8
4T/4N 420C
4T/4N 420C
14.12 m
XF: 820.00 m
ZF: 1989.16 m

7
6T 501C
4T 501C
11.12 m
XF: 814.70 m
ZF: 1956.40 m

6
6T 501C
4T 501C
14.18 m
XF: 813.59 m
ZF: 1919.30 m

5
8T 501C
8T 501C
14.18 m
XF: 806.50 m
ZF: 1779.80 m

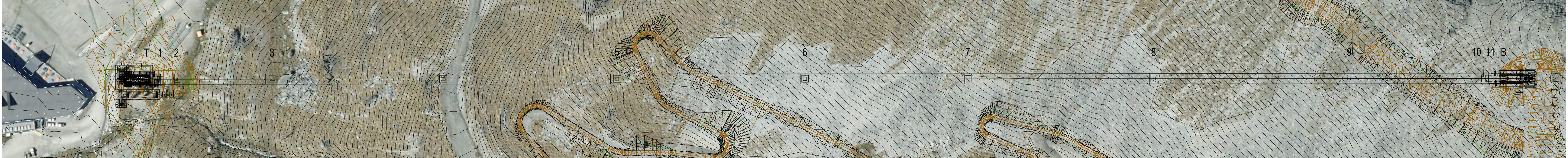
4
6T 501C
6T 501C
12.12 m
XF: 800.00 m
ZF: 1719.90 m

2
16N 420C
16N 420C
6.56 m
XF: 783.63 m
ZF: 1613.17 m

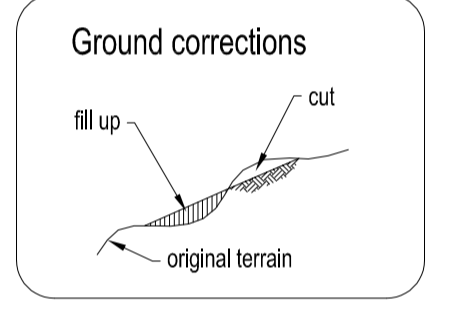
1
14N 420C
14N 420C
5.00 m
XF: 781.81 m
ZF: 1611.81 m

TEB
2R 501C
2R 501C
5.00 m
XF: 1615.81 m
ZF: 1615.81 m
Bottom station: F-CLD 014-6-4-0
Difference: 1912.00 m

Kilometres	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
Vertical [m]	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81	1615.81
Horizontal [m]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Cross slope [%]	left	right	left	right	left	right	left	right	left	right	left	right	left	right	left	right	left	right	left	right	left	right



Profile origin:
 Profile file: Shadow_Basin_20220111 (ID 19213).gel
 Ropeway file: WAA0001632_Shadow_Basin_6-CLD_REV_H_010422_FN (ID 20386).dtd
 Program: Seiba 1.68.3 CIN:164878654
 WAA0001632_Shadow_Basin_6-CLD_Rev-H_2022-04-05 20:40 3



Profile 6-CLD Shadow Basin

Customer: The Remarkables
 Location: Queenstown, New Zealand

Uphill Side	Right	Ø Haul Rope	43 mm
Drive Station	Bottom	Ø Drive Bullwheel	6.35 m
Tension Station	Bottom	Ø Return Bullwheel	6.35 m
Return Station	Top	Rope Gauge on Line	6.40 m
Horizontal Length	842.29 m	Drive Output Continuous	361 kW
Vertical Rise	374.70 m	Drive Output Starting	435 kW
Average Grade	44.49 %	Drive Output Braking	-317 kW
Max. Rope Inclination	87.52 %	Elevation of Drive Station	1616 m
Inclined Length	929.50 m	Uphill Transportation	100 %
Spliced Rope Length	1920.60 m	Downhill Transportation	50 %

Drive Speed	Initial	Final
Capacity	m/s	5.00 m/s
Number of Carriers	pph	2400 pph
Carrier Spacing	m	47
Carrier Interval	s	45.06 m
Trip Time	min	9.01 s
		3.53 min

H	Top Station, Bottom station and Towers 10 & 11 updated	2022-04-01	FN
D	Top station moved, New GEL, Towers 5-11 moved and changed	2022-01-13	HGA
C	Station lengths adjusted, T9 16m height	2021-12-10	FN
B	Moved Top station -14.30m and added tower 11	2021-09-30	HGA
A	Move bottom Station +5m into hillside	2021-09-26	NACL

Project No.	WAA0001632	Drawn	2021-09-28	Scale	NACL	1:1000	Drawing No.	20009735P500100 H
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