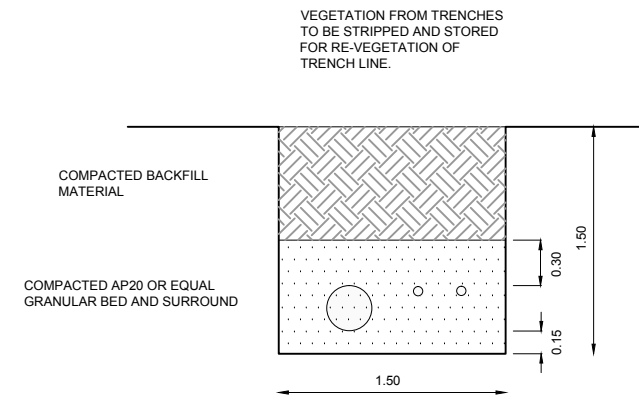


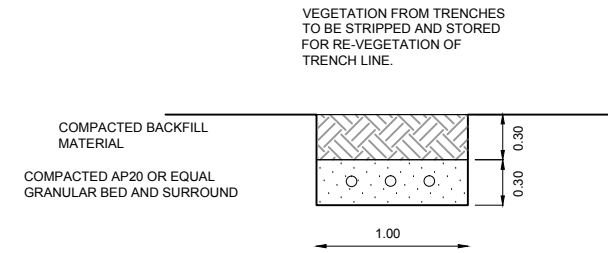
TYPICAL EARTHWORKS SECTION - CURVEY BASIN RUN 1 CH 150

SCALE 1:500 @ A1
SCALE 1:1000 @ A3



TYPICAL SNOWMAKING LINE TRENCH

SCALE 1:25 @ A1
SCALE 1:50 @ A3



TYPICAL SERVICES TRENCH

SCALE 1:25 @ A1
SCALE 1:50 @ A3

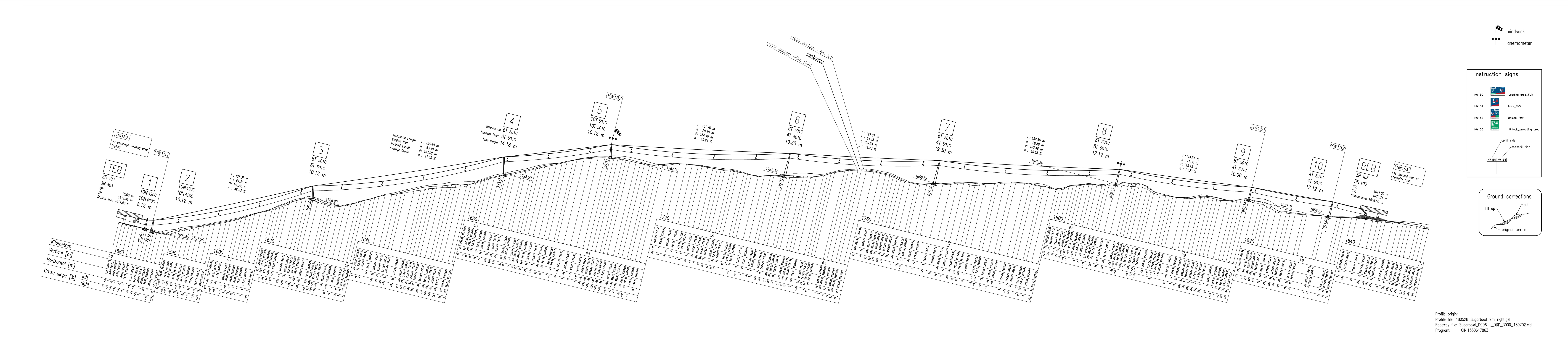
FOR CONSENT 25.07.18

Shotover Design Limited trading as
Clark Fortune McDonald & Associates
Licensed Cadastral Surveyors - Land Development - Planning Consultants
309 Lower Shotover Road, P.O.Box 553 Queenstown
Tel. (03)441-6044, Fax (03)442-1066, Email admin@cfma.co.nz
Shop 2, Otago House, 475 Moray Place, P.O. Box 5960
Tel. (03)470-1582, Fax (03)470-1583, Email admin@cfma.co.nz

Rev.	Date	Revision Details	By

REMARKABLES SKI FIELD TYPICAL SECTION DETAILS

Client	NZ SKI LTD	Surveyed	Signed	Date	Job No.	Drawing No.
				x.x.18	12650	18-40
Notes:	All dimensions shown are in meters unless shown otherwise. Any person using Clark Fortune McDonald drawings and other data accepts the risk of:					
	Drawn	Signed	Date	Scale	@ A1	
	EM		11.06.18	AS SHOWN @ A3		
	Designed	Signed	Date	Datum & Level	Rev.	
	CFM w NZSKI		2018	NZMG & MSL	-	



Profile 6-CLD Sugar Bowl II

Customer: NZSki Ltd.
 Location: The Remarkables Ski Area

Technical Data:

Uphill Side	Left	∅ Haul Rope	43 mm
Drive Station	Bottom	Minimum Breaking Strength	1343 kN
Return Station	Bottom	∅ Drive Bullwheel	6.35 m
	Top	∅ Return Bullwheel	6.35 m

Horizontal Length	1025.00 m	Rope Gauge on Line	6.40 m
Vertical Rise	257.50 m	Drive Output Continuous	354 kW
Average Grade	25.12 %	Drive Output Starting (0.15 m/s ²)	441 kW
Max. Rope Inclination	66.22 %	Elevation of Drive Station	1615 m
Inclined Length	1066.18 m	Uphill Transportation	100 %
Spliced Rope Length	2193.10 m	Downhill Transportation	30 %

Drive Speed	Initial: 5.00 m/s	Final: 5.00 m/s
Capacity	2400 pph	3000 pph
Number of Carriers	53	66
Carrier Spacing	45.00 m	36.00 m
Carrier Interval	9.00 s	7.20 s
Trip Time	4.00 min	4.00 min

a	Inclination T2 changed to 5°	2018-07-05	FN
Index	Revision	Date	Name
		2018-07-05	FN

Innova Patent GmbH
 Konrad-Doppelmayr-Str. 1
 A-6960 WOLFFURT / AUSTRIA

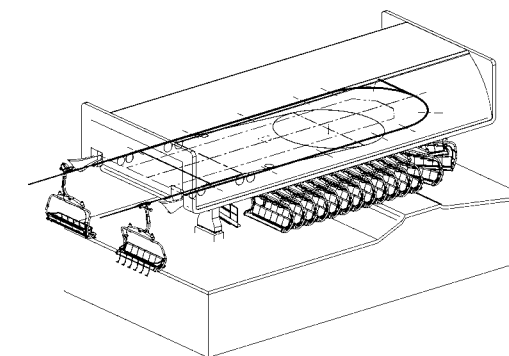
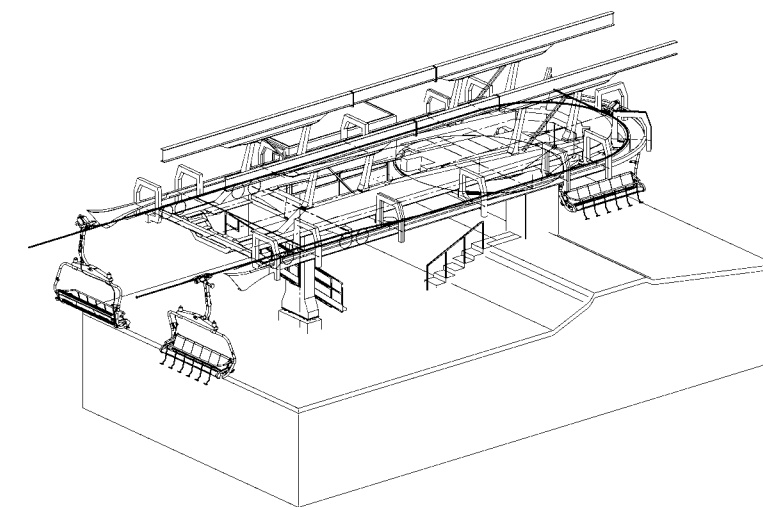
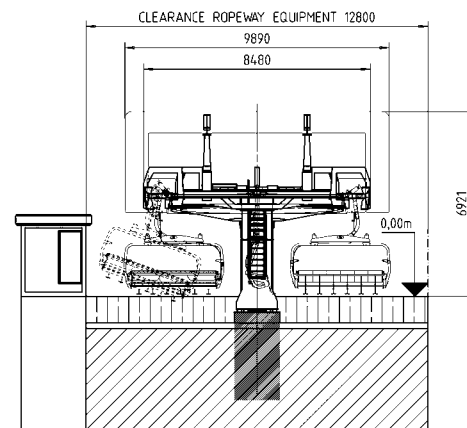
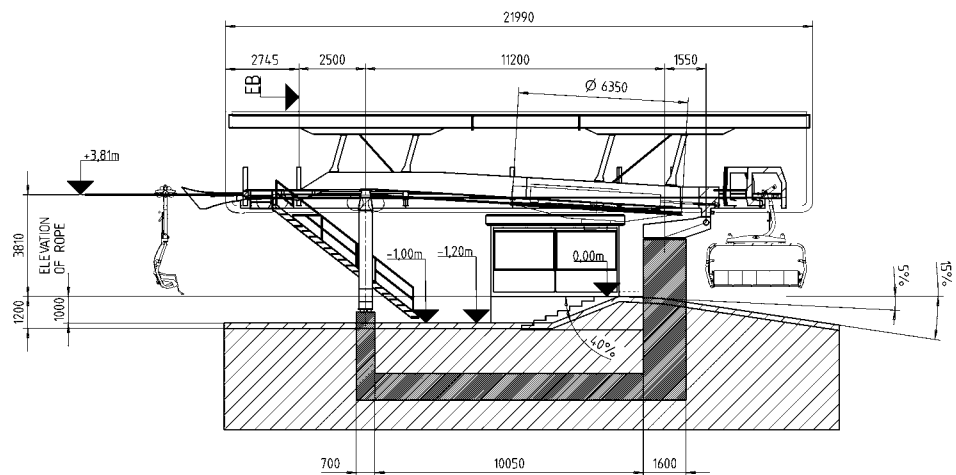
Doppelmayr

Scale: 1:1000
 Project No: WAA0005003
 Drawing No: 20007560P500100

This drawing is the intellectual property of Doppelmayr Seilbahnen GmbH. It must not be copied nor utilized in whole or in part without permission and is subject to return upon request.

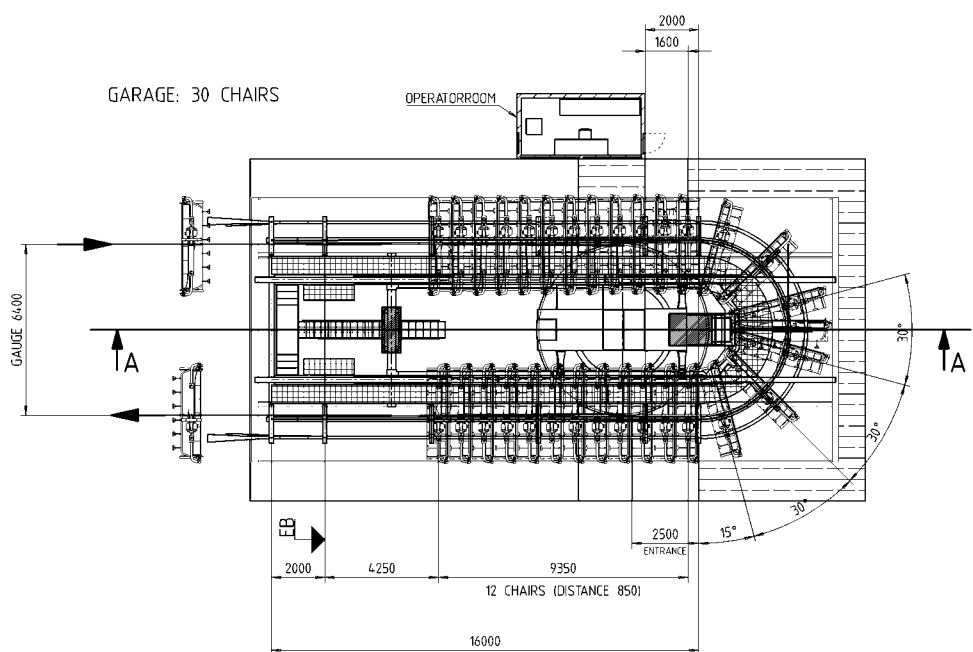
Profile origin: Konrad-Doppelmayr-Str. 1
 Profile file: 180528_Sugarbowl_9m_right.gel
 Repway file: Sugarbowl_DCD6-L_DDD_3000_180702.cld
 Program: CIN:1530617863

SECTION A-A
M= 1:100

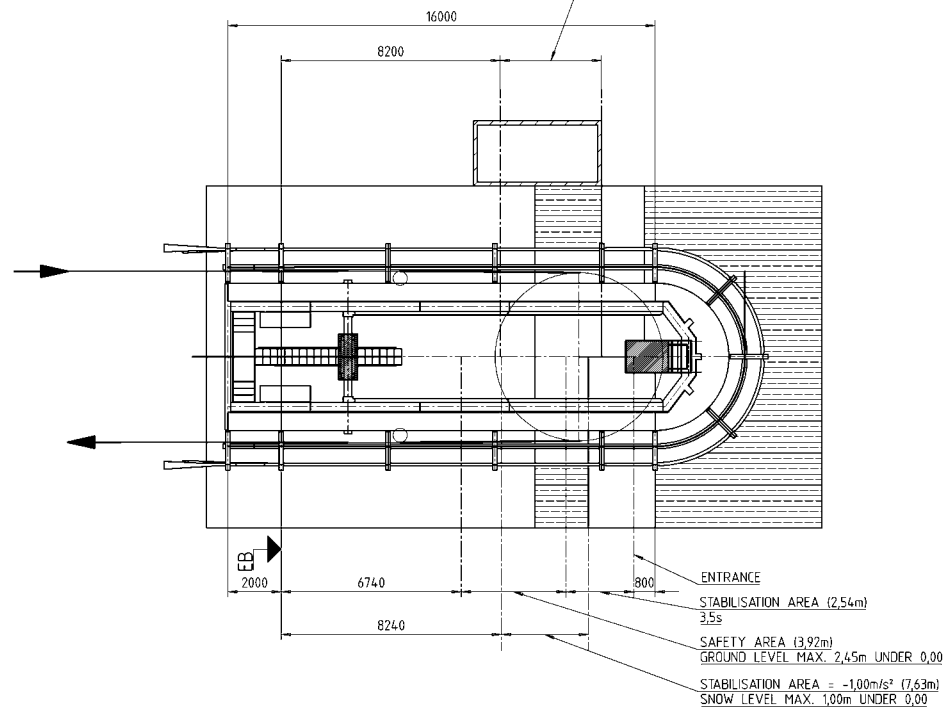


GARAGE: 30 CHAIRS

OPERATOR ROOM



APPROACH AREA
GROUND LEVEL
MAX. 2.40m UNDER 0.00

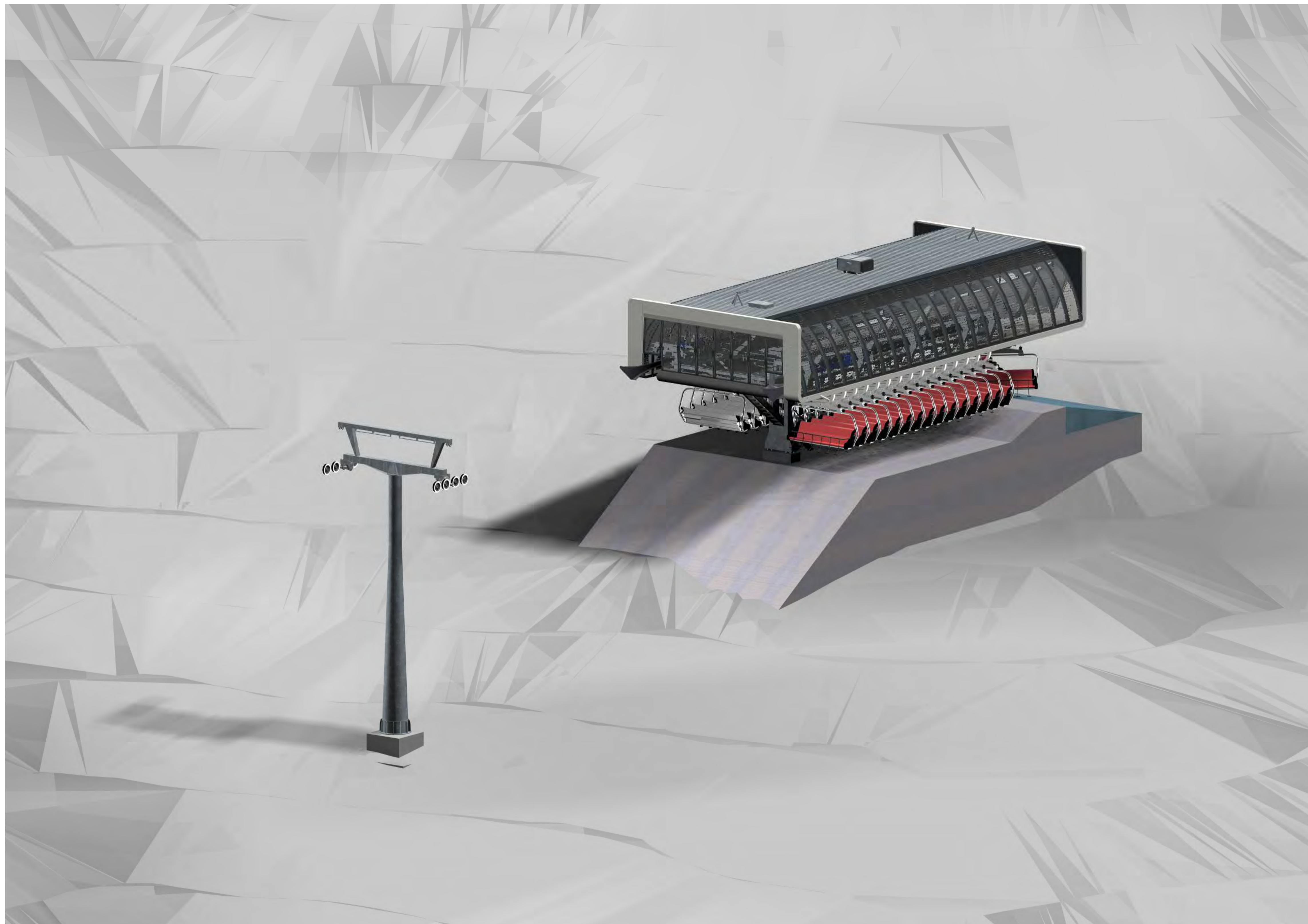


Standard	
safety area	EN12929-1:2015
stabilisation area	EN12929-1:2015
approach area	EN12929-1:2015
Performance data	
Capacity	2400 pph
Interval	9 s
Speed	5,0 m/s
Rope diameter	45 mm
Cycle time	29 s
Unloading speed	0,80 m/s
Rope tension SmaxR	325 kN
Rope tension 2Smax	64,2 kN
11583921	

IMPORTANT:
 PRELIM. DRAWING
 DETAIL PLANNING
 ONLY UPON CONSULTATION
 AN APPROVAL OF ENGINEERING DEPT.

Index	Revision	Date	Name	Description	Scale	Sheet	Total
1					1/100	1	1

Order: WAA0095003
 Project: TOP RETURN FIXED
 DC06-L D16 / v=5,0m/s
 SPUR 6.4m
 20206389E309001



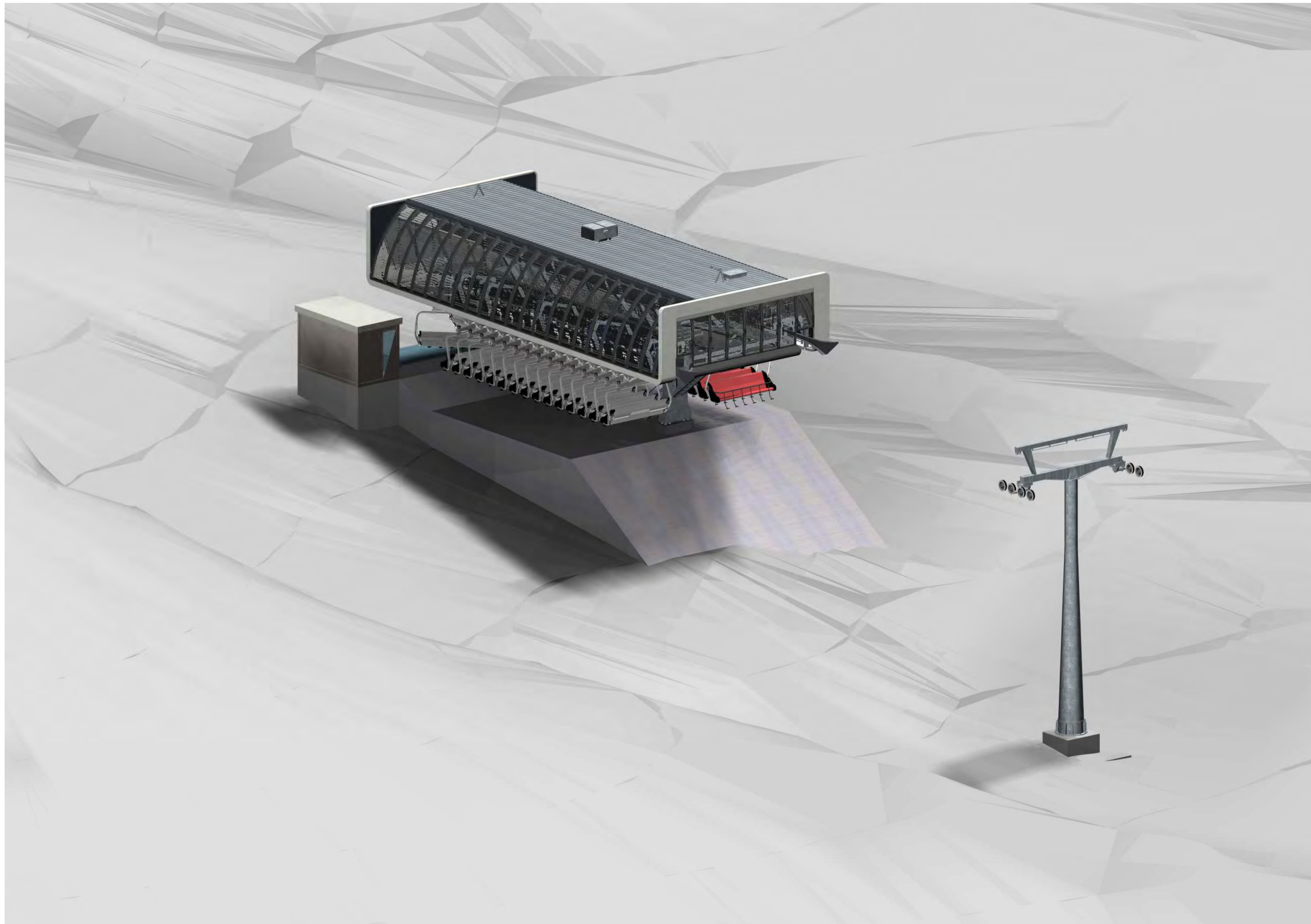
Tender Issue
 WAA0005003 Sugarbowl
 Doppelmayr Lifts NZ Ltd
 2018-05-14



Top Station Rendering 1
 6-CLD Sugar Bowl / New Zealand

	D16	Rope Gauge=6.4m	
Auftragsnummer WAA0005003	gezeichnet 2018-05-09 LRJ	Maßstab 1:100	Zeichnungsnummer 20007590P500400

Diese Zeichnung ist geistiges Eigentum der DOPPELMAYR SEILBAHNEN GMBH/AT und wird übertragen per §11, 12, des Erfindungsjahres an die INNOVA PATENT GMBH/AT. Sie darf ohne unsere besondere Zustimmung weder vervielfältigt, noch ausgeführt, noch dritten Personen bekanntgegeben werden.



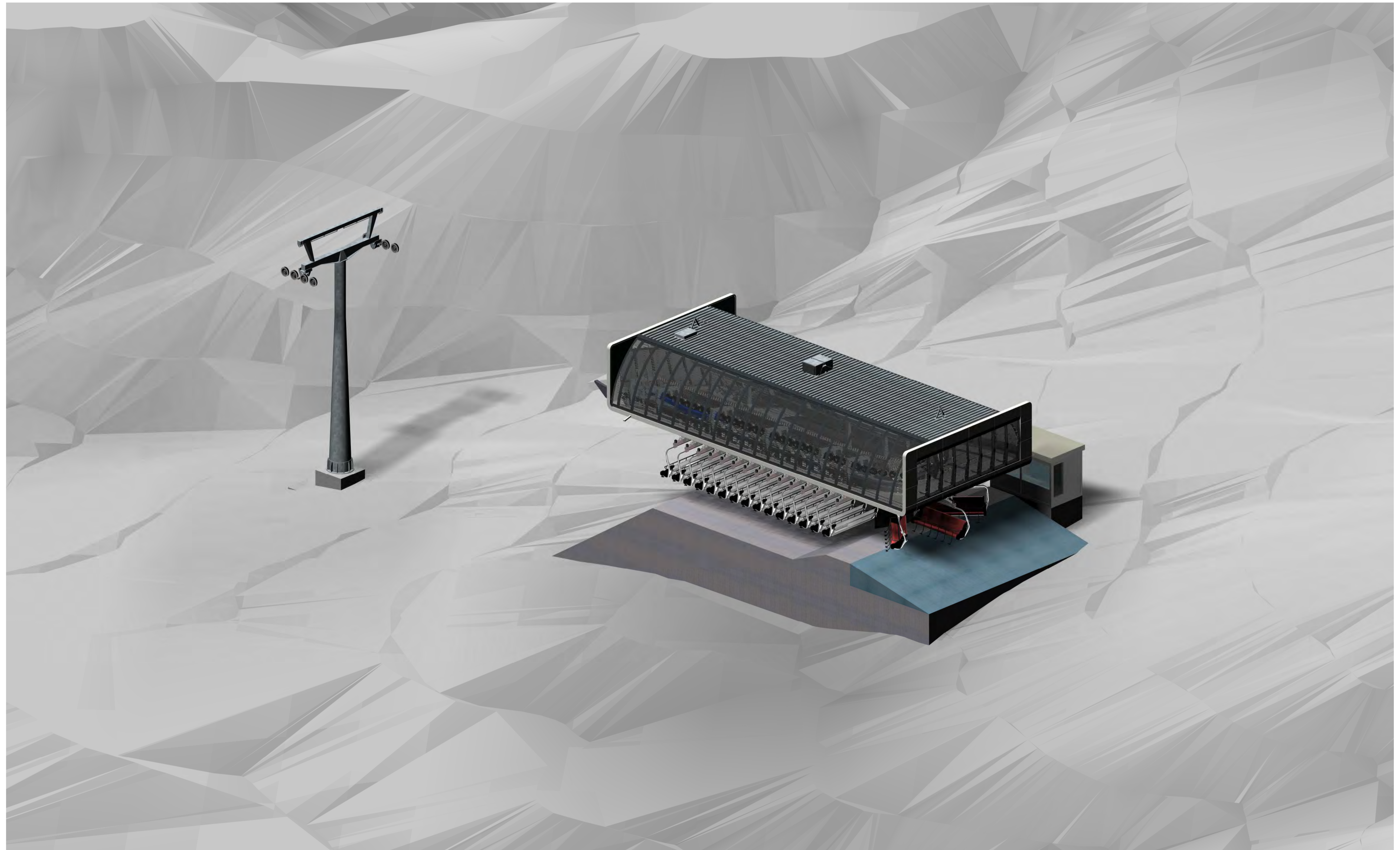
Tender Issue
 WAA0005003 Sugarbowl
 Doppelmayr Lifts NZ Ltd
 2018-05-14



Top Station Rendering 2
 6-CLD Sugar Bowl / New Zealand

	D16	Rope Gauge=6.4m	
Auftragsnummer WAA0005003	gezeichnet 2018-05-09 LRJ	Maßstab 1:100	Zeichnungsnummer 20007569P500400

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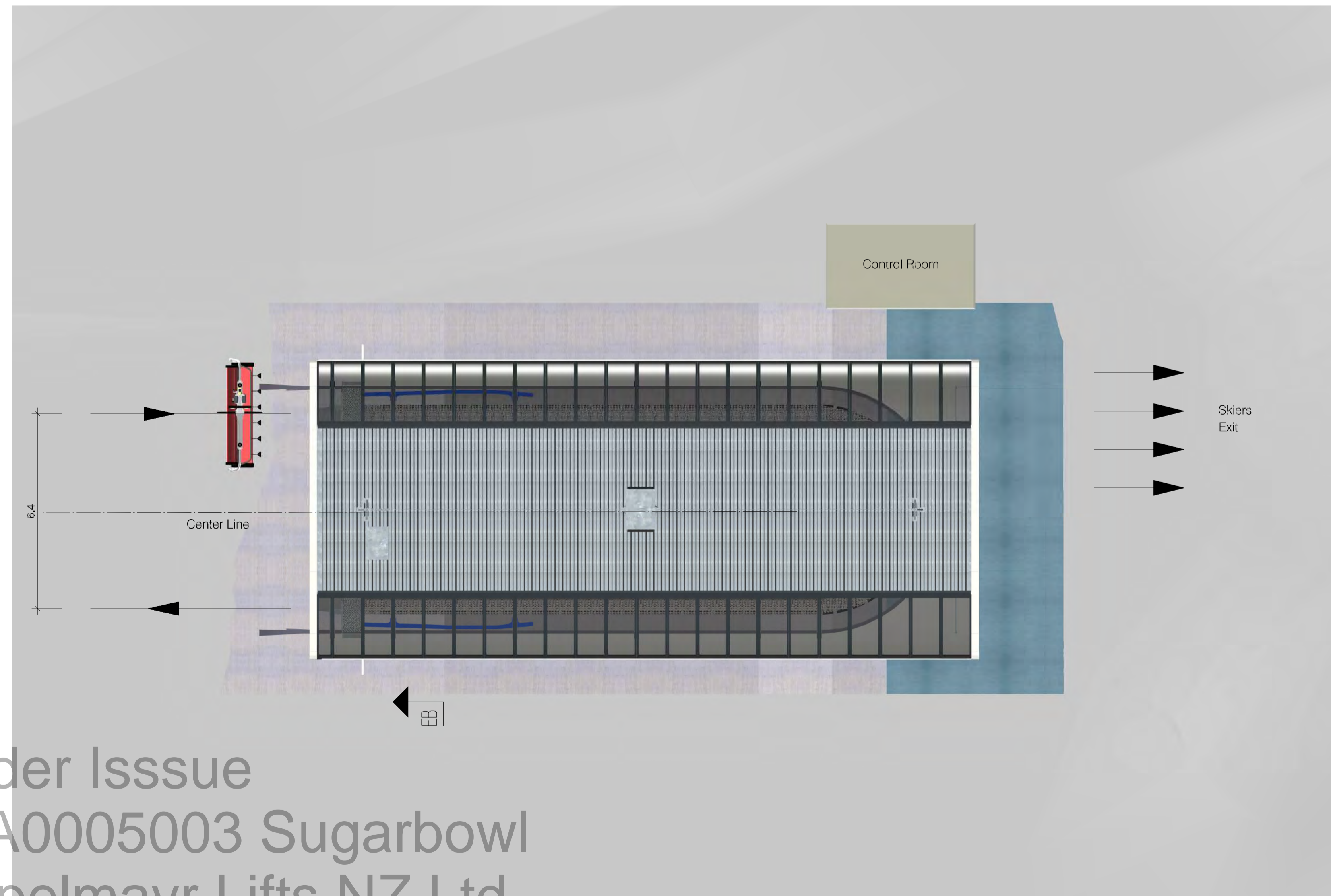
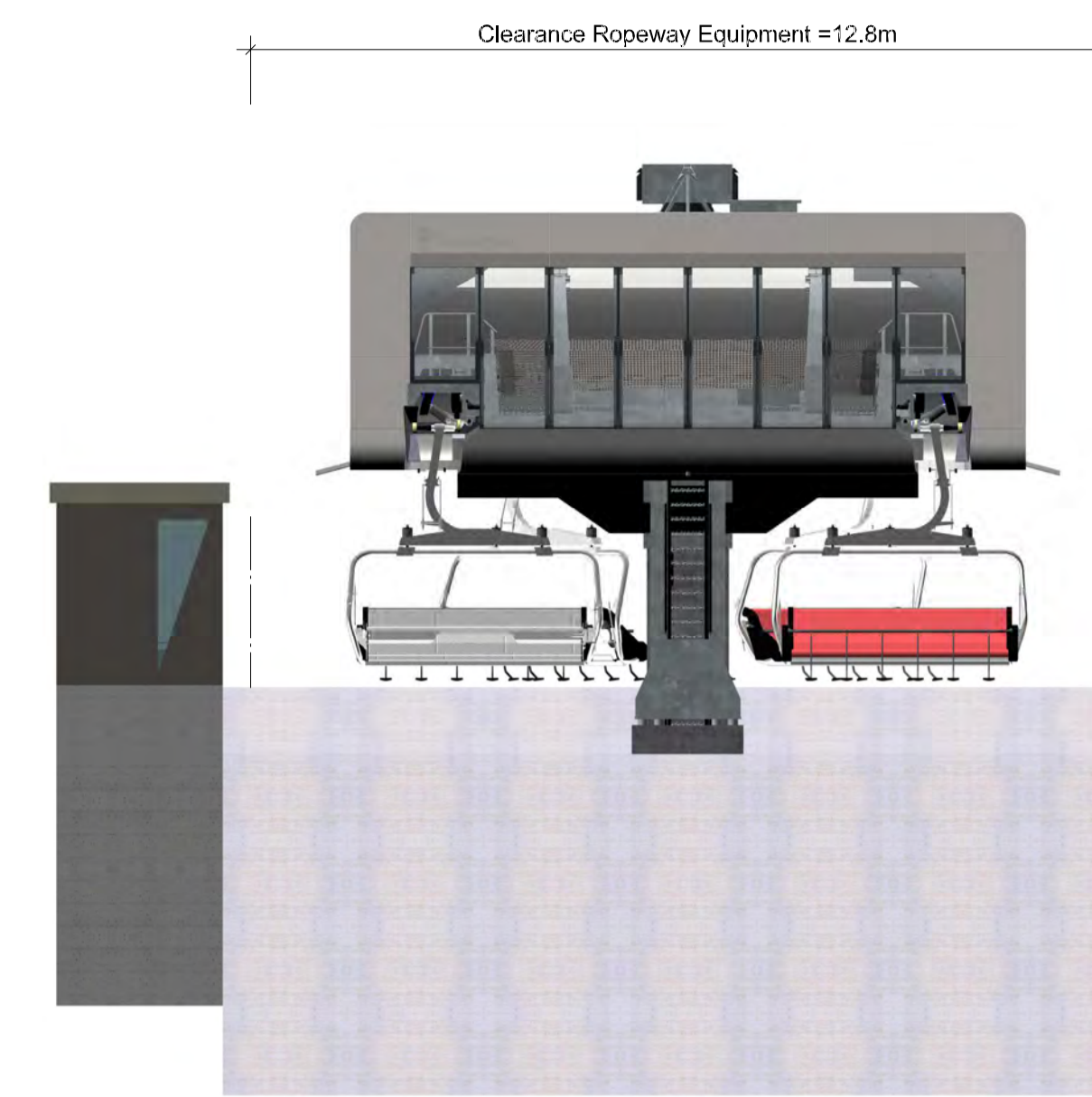
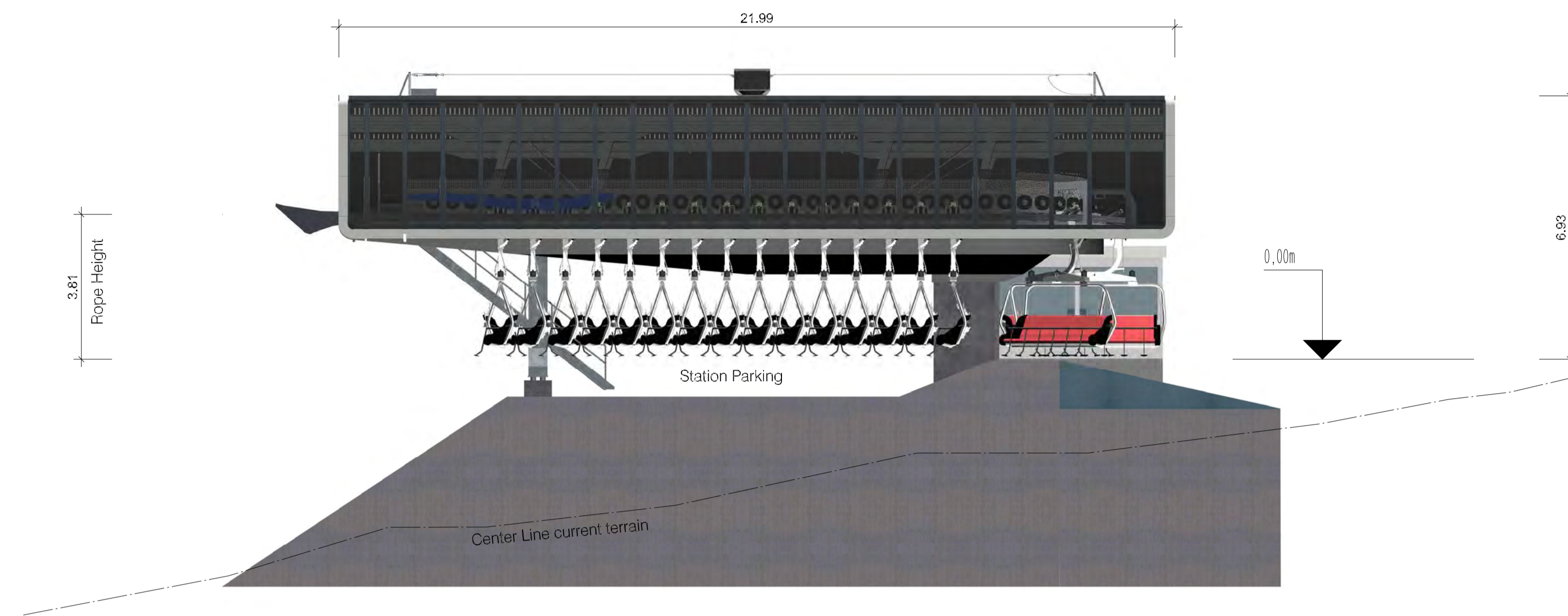
Tender Issue
 WAA0005003 Sugarbowl
 Doppelmayr Lifts NZ Ltd
 2018-05-14



Top Station Rendering 3
 6-CLD Sugar Bowl / New Zealand

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Auftragsnummer WAA0005003	gezeichnet 2018-05-09 LRJ	Maßstab 1:100	Zeichnungsnummer 20007568P500400

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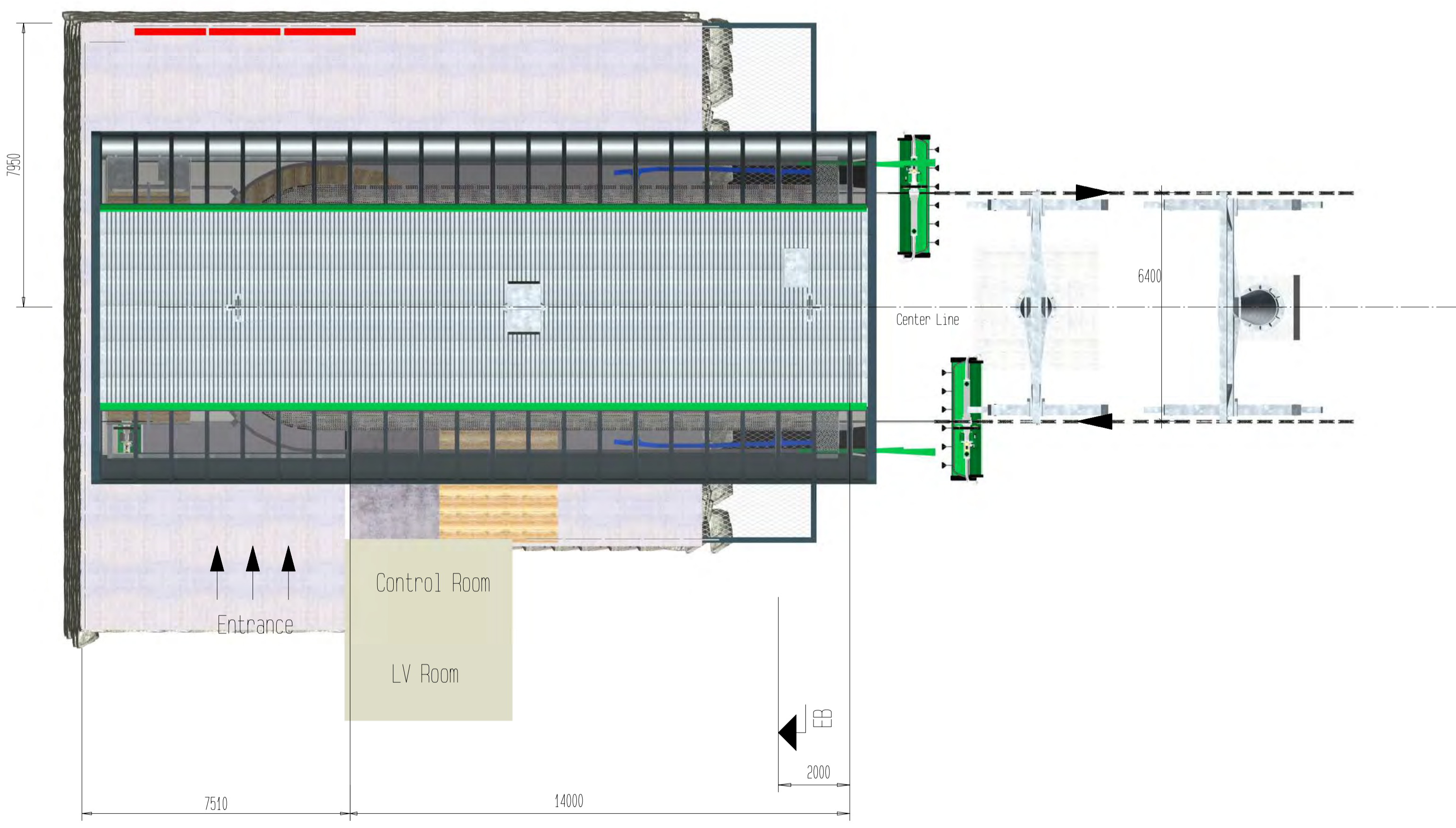
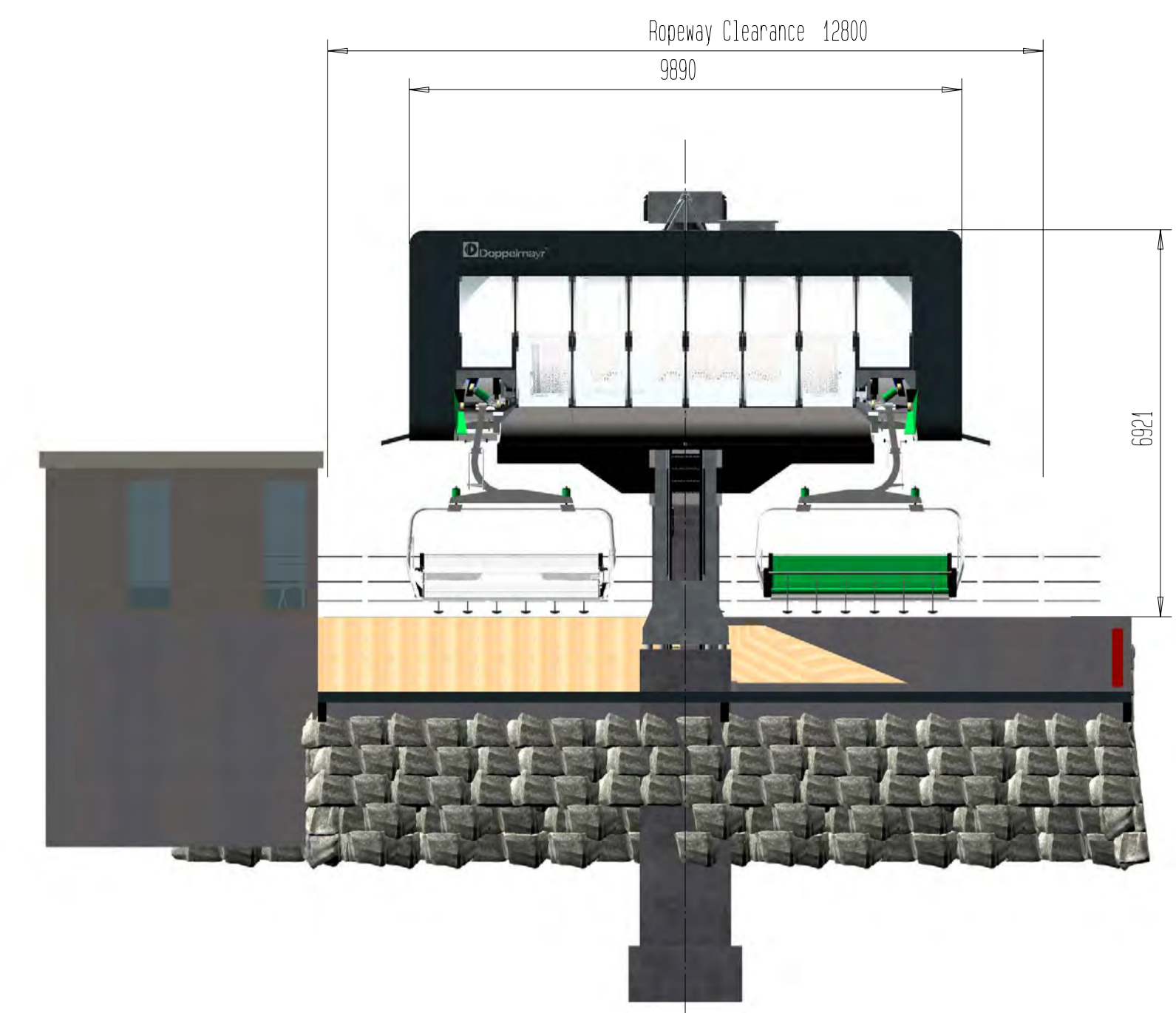
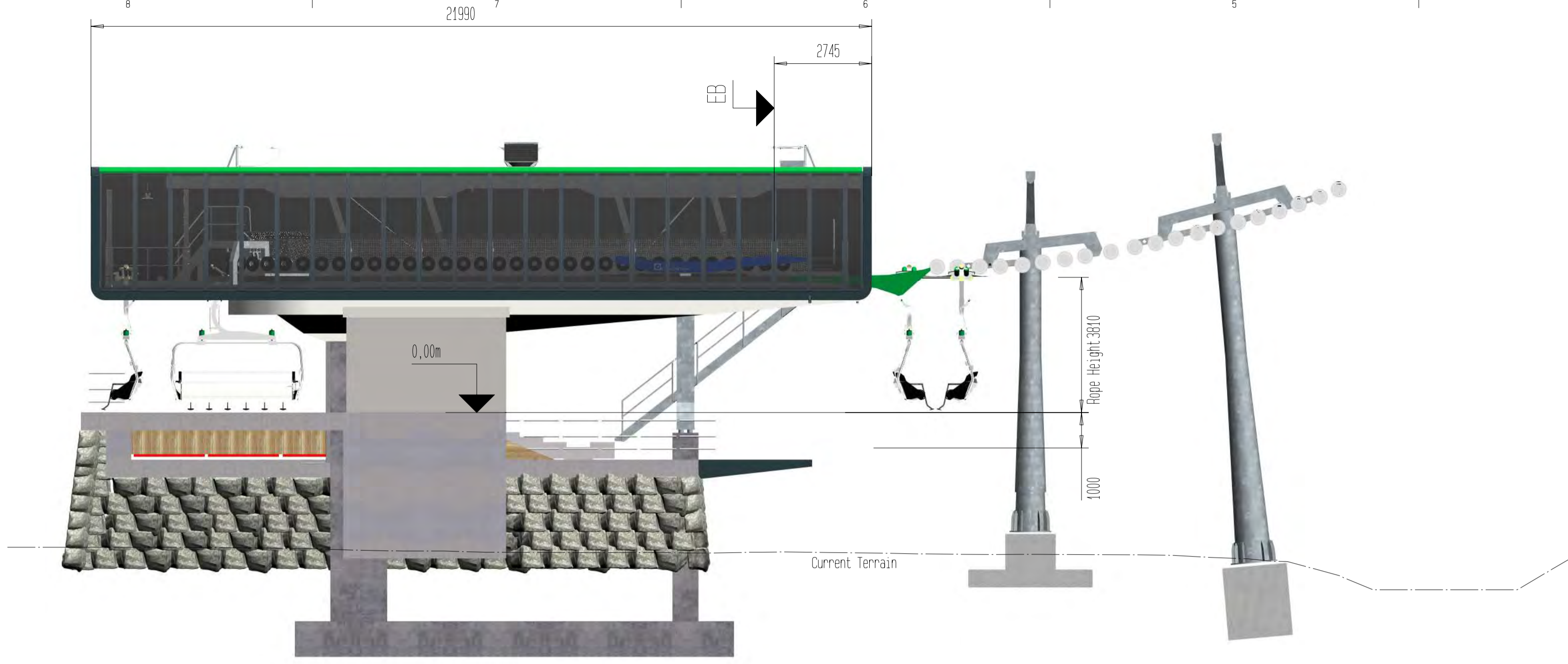


Tender Issue
 WAA0005003 Sugarbowl
 Doppelmayr Lifts NZ Ltd
 2018-05-14

Top Station Views Option B
 6-CLD Sugar Bowl / New Zealand

	D16	Rope Gauge=6.4m
Auftragsnummer WAA0005003	gezeichnet 2018-05-09 LRJ	Maßstab 1:100
		Zeichnungsnummer 20007567P500400

Diese Zeichnung ist geistiges Eigentum der DOPPELMAYR SEILBAHNEN GMBH/AT und wird übertragen per §1. 12. des Erfindungsjahres an die INNOVA PATENT GMBH/AT. Sie darf ohne unsere besondere Zustimmung weder vervielfältigt, noch ausgeführt, noch dritten Personen bekanntgegeben werden.

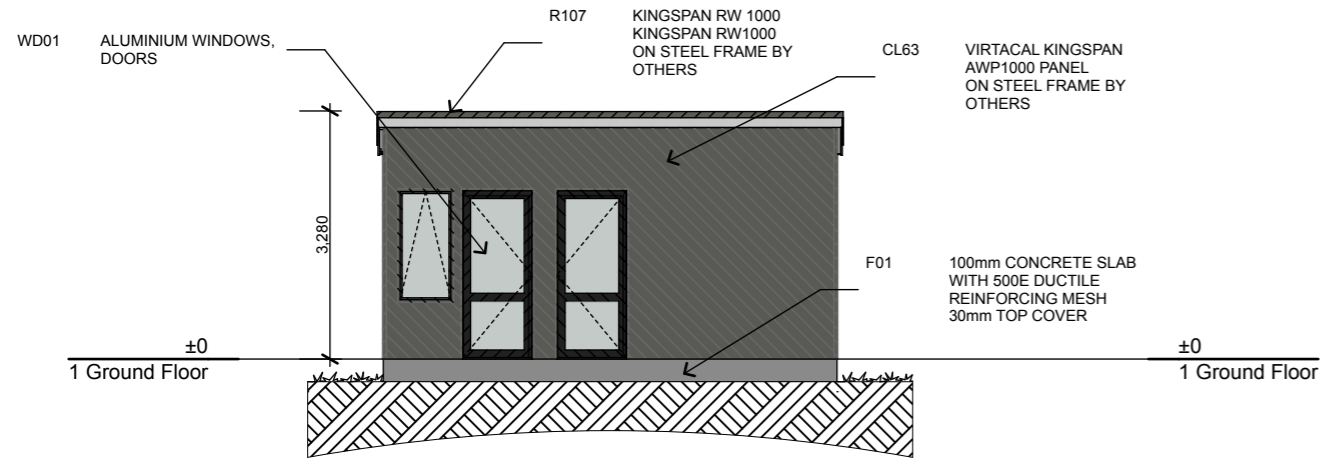


Bottom Station Views
6-CLD Sugarbowl II / New Zealand

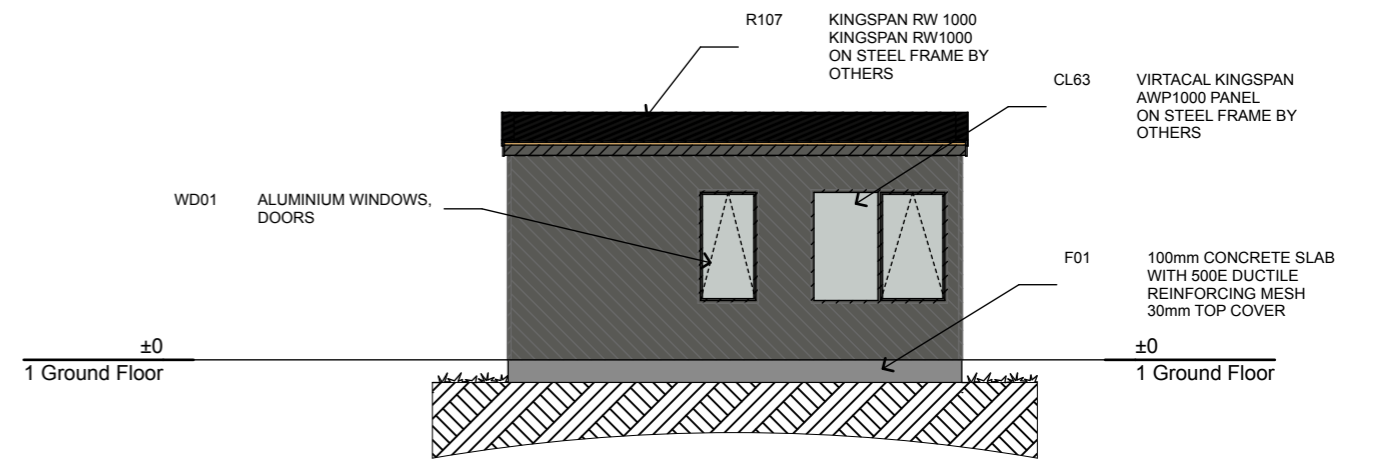
D14-90 Rope Gauge=6.4m
 Auftragsnummer gezeichnet Maßstab Zeichnungsnummer
 WAA0005003 2018-07-11 LRJ 1:100 20007726P500400.a

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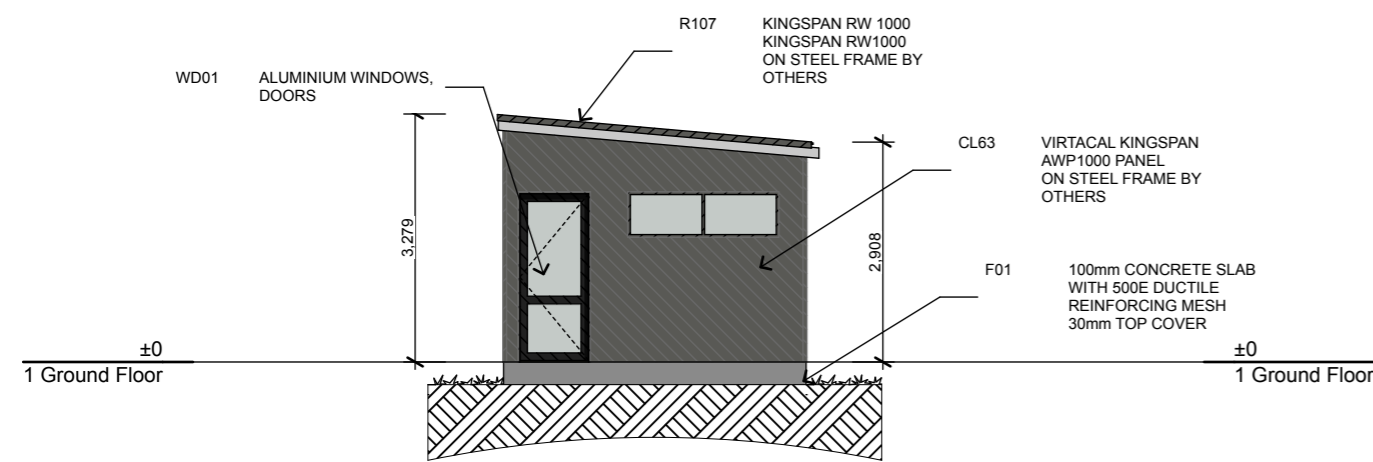
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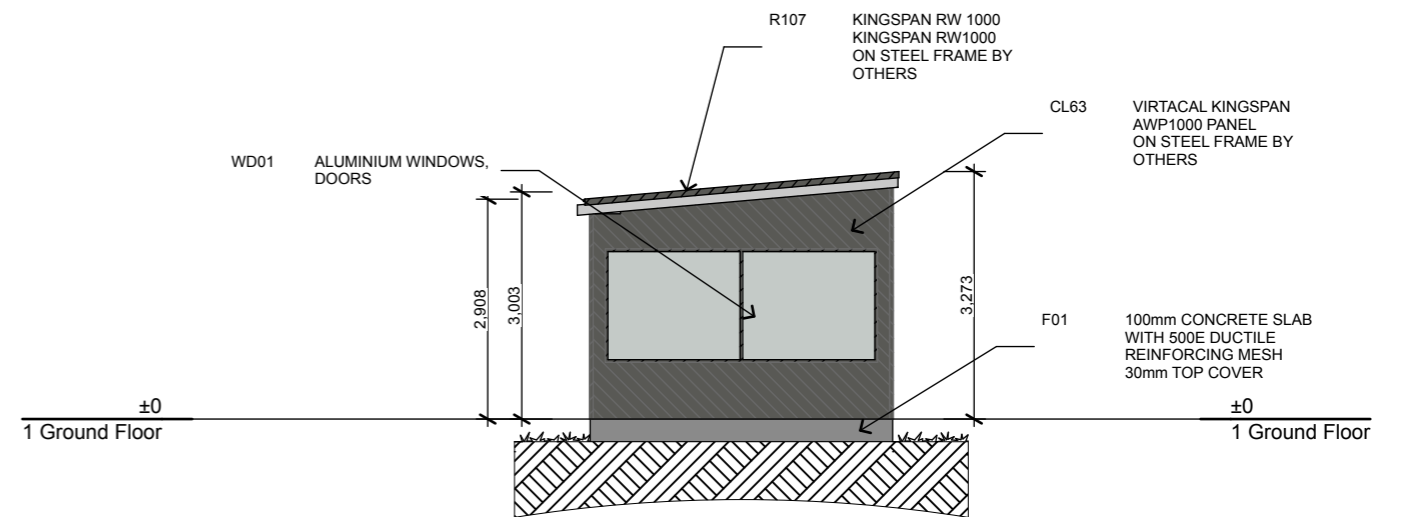
1 Remarkables Sugar Bowl Lift Bottom Terminal Upgrade West Elevation 1:100



2 Remarkables Sugar Bowl Lift Bottom Terminal Upgrade East Elevation 1:100



4 Remarkables Sugar Bowl Lift Bottom Terminal Upgrade South Elevation 1:100



3 Remarkables Sugar Bowl Lift Bottom Terminal Upgrade North Elevation 1:100

SHEET TITLE Remarkables Sugar Bowl Lift Bottom	LAYOUT ID	REMARKABLES SUGAR BOWL LIFT UPGRADE	DESIGNER #Contact Full Name COOK BROTHERS QUEENSTOWN 9300	
REVISION Upgrade Elevation	#Project Status		CAD TECH KRIS MAYEN	
		#Site Full Address	DATE OF ISSUE 31/07/18	

SMOKE DETECTORS

Battery powered smoke alarms shall provide a hush facility having a minimum duration of 60 seconds.

Smoke alarms shall have a test facility located on the smoke alarm (readily accessible to building occupants).

Smoke alarms shall be listed or approved by a recognized authority as complying with NZBC F7.

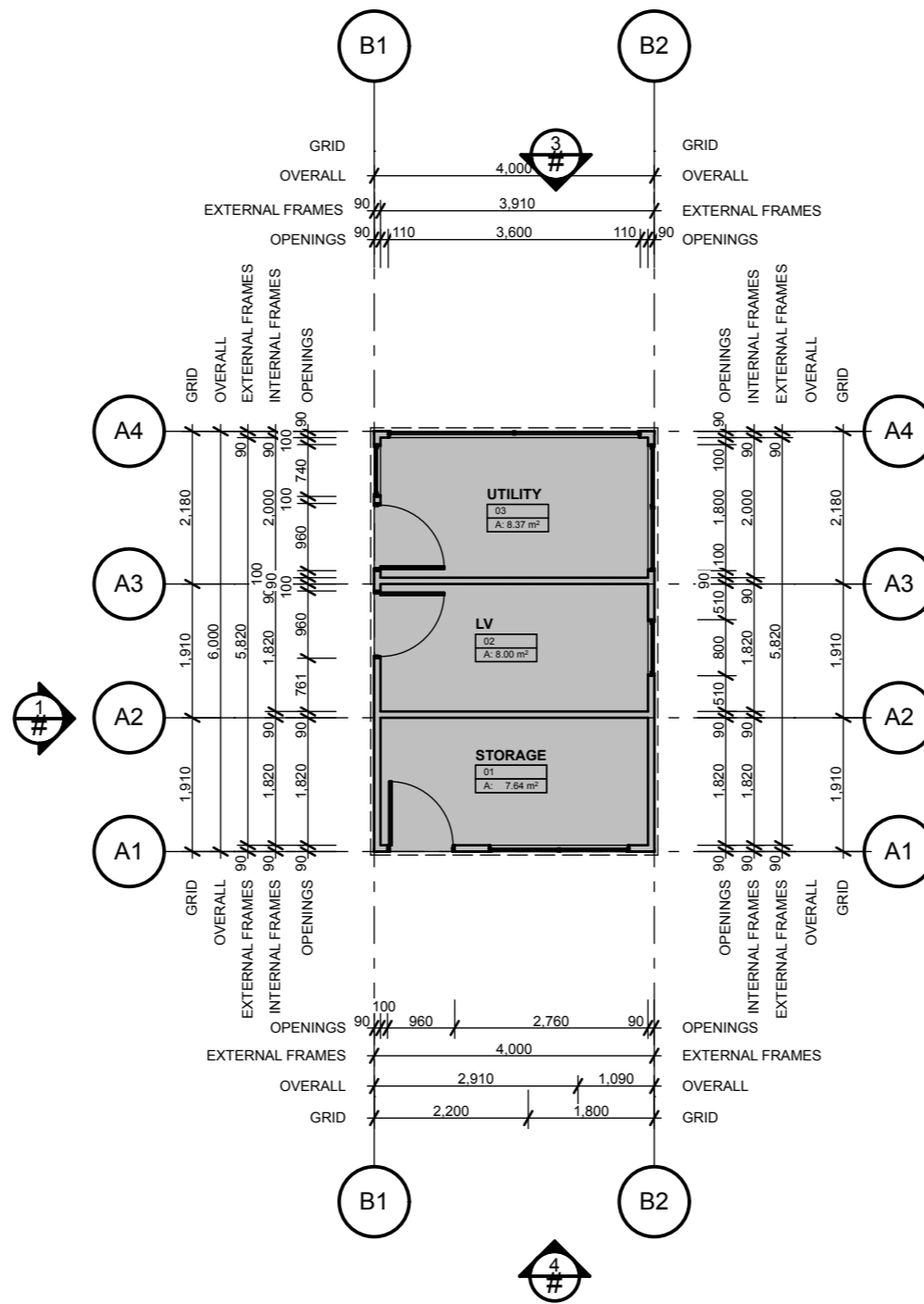
A smoke alarm must be located within 3.0m of every sleeping space door and additional smoke alarms must be located in each space that must be passed through to get to a safe place.

WALL CONSTRUCTION KEY

Exterior wall framing
90x45mm SG8 @ 400mm CRS
H1.2 treated timber in accordance with NZS 3604.
Refer to structural drawings for layout and fixing types.
Walls over 2.7m
140x45mm SG8 @ 400mm CRS
H1.2 treated timber in accordance with NZS 3604.
Refer to structural drawings for layout and fixing types.

Interior wall framing (non-load bearing)
90x45mm SG8 H1.2 timber wall framing with Studs (600crs constructed in accordance with NZS 3604. Ensure DPC separation between all timber and concrete.
90x45mm SG8 H1.2 Load bearing wall studs @400mm CRS max

SMOKE DETECTOR
LIGHT ACTIVATED EXTRACTION
TO BAHTROOM AREAS



SITE INFORMATION

DWELLING 163M²
COVERAGE
WIND ZONE VERY HIGH
EXPOSURE ZONE 3
DURABILITY ZONE B
SNOWLOADING NS(300)1KPA

WALL CONSTRUCTION KEY

Exterior wall framing
90x45mm SG8 @ 400mm CRS
H1.2 treated timber in accordance with NZS 3604.
Refer to structural drawings for layout and fixing types.
Walls over 2.7m
140x45mm SG8 @ 400mm CRS
H1.2 treated timber in accordance with NZS 3604.
Refer to structural drawings for layout and fixing types.

90Fr WALL - 90X45mm H1.2 SG8 timber framing

1

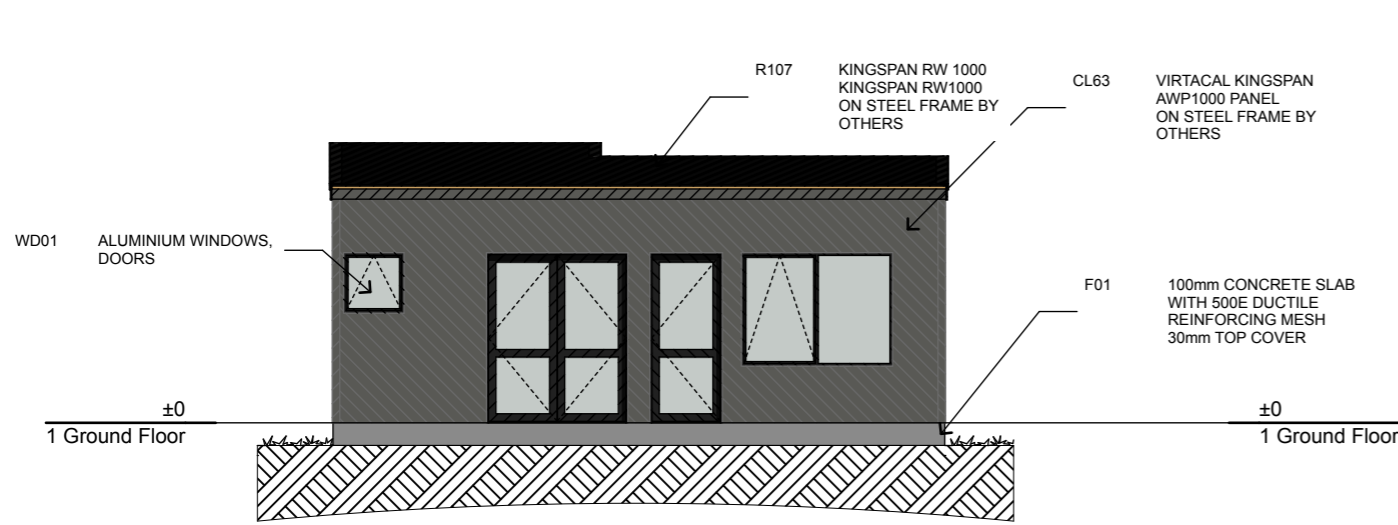
Bottom Terminal Ground Floor Plan

1:100

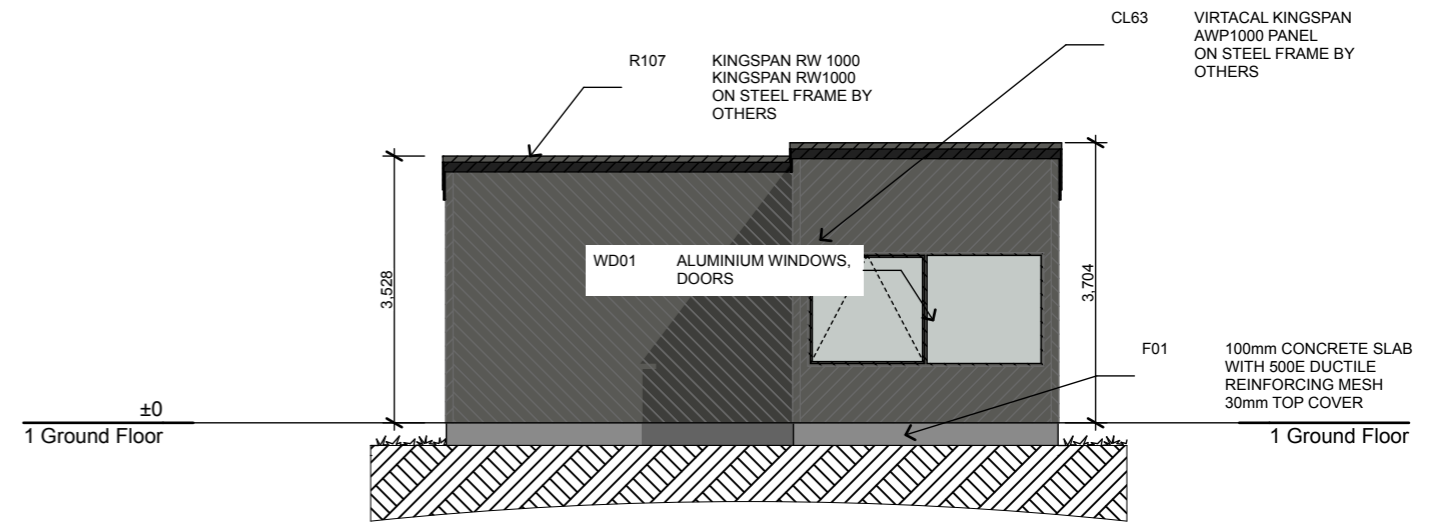
SHEET TITLE Remarkables Sugar Bowl Lift Bottom	LAYOUT ID 102	REMARKABLES SUGAR BOWL LIFT UPGRADE	DESIGNER #Contact Full Name COOK BROTHERS QUEENSTOWN 9300
REVISION Upgrade Plan	#Project Status	#Client Full Name	CAD TECH KRIS MAYEN PROJECT NO.
		#Site Full Address	DATE OF ISSUE 31/07/1



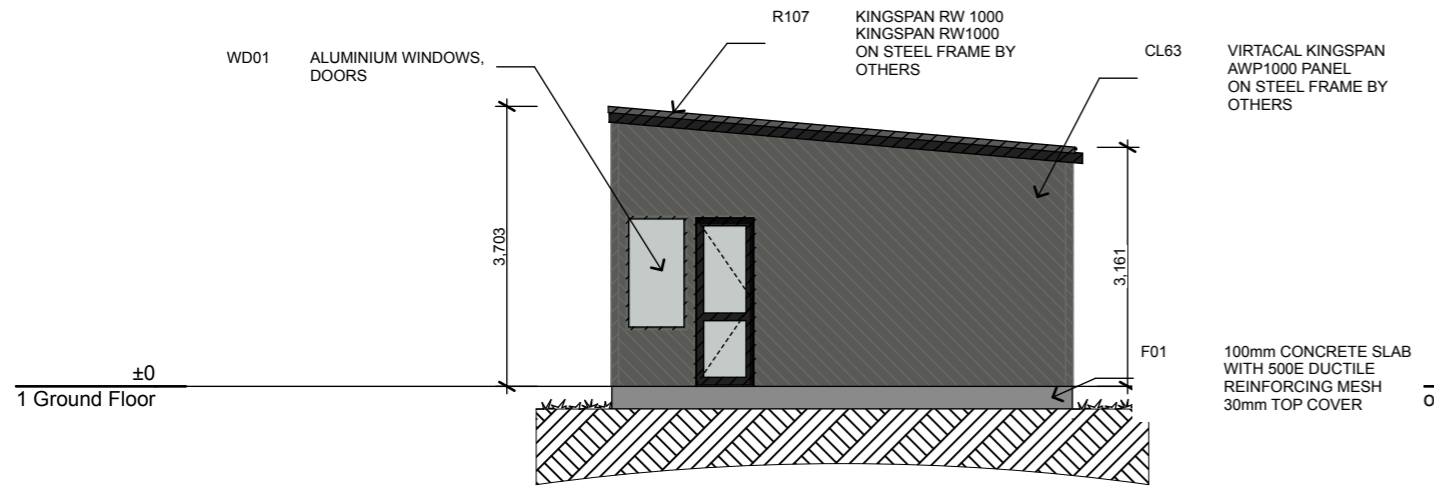
Notes



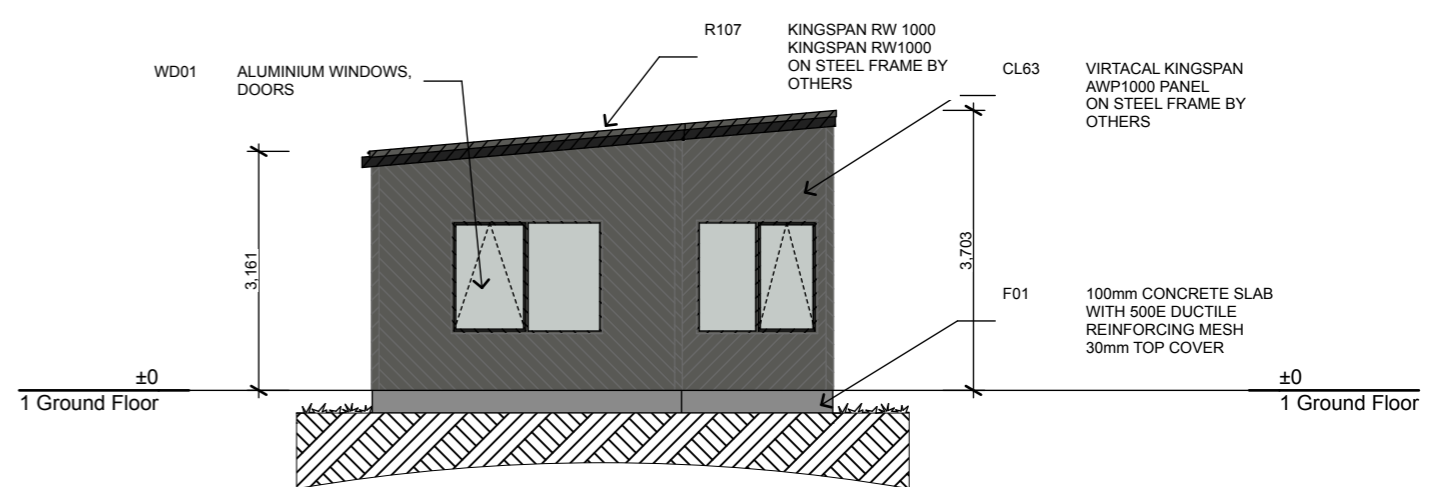
4 Remarkables Sugar Bowl Lift Top Terminal Upgrade North Elevation 1:100



1 Remarkables Sugar Bowl Lift Top Terminal Upgrade South Elevation 1:100



3 Remarkables Sugar Bowl Lift Top Terminal Upgrade East Elevation 1:100



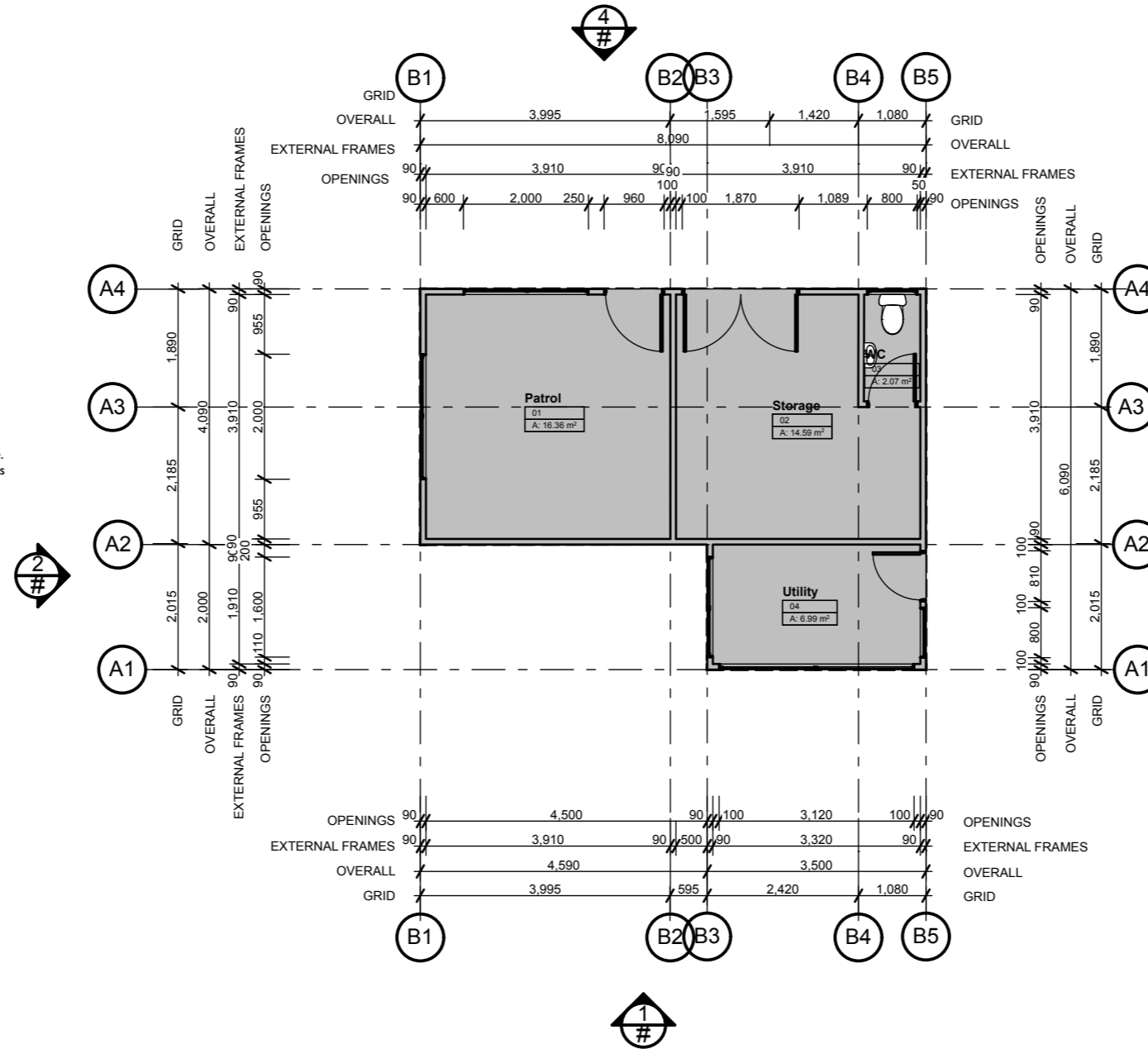
2 Remarkables Sugar Bowl Lift Top Terminal Upgrade West Elevation 1:100

SHEET TITLE Remarkables Sugar Bowl Lift Top	LAYOUT ID	REMARKABLES SUGAR BOWL LIFT TOP UPGRADE	DESIGNER KRIS MAYEN COOK BROTHERS QUEENSTOWN 9300 NEW ZEALAND		
REVISION Upgrade Elevations	#Project Status		CAD TECH KRIS MAYEN		PROJECT NO. #P
			DATE OF ISSUE		31/07/18

SMOKE DETECTORS
 Battery powered smoke alarms shall provide a hush facility having a minimum duration of 60 seconds.
 Smoke alarms shall have a test facility located on the smoke alarm (readily accessible to building occupants).
 Smoke alarms shall be listed or approved by a recognized authority as complying with NZBC F7.
 A smoke alarm must be located within 3.0m of every sleeping space door and additional smoke alarms must be located in each space that must be passed through to get to a safe place.

WALL CONSTRUCTION KEY
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 90x45mm SG8 H1.2 timber wall framing with Studs (600crs constructed in accordance with NZS 3604. Ensure DPC separation between all timber and concrete.
 90x45mm SG8 H1.2 Load bearing wall studs @400mm CRS max

SMOKE DETECTOR
 LIGHT ACTIVATED EXTRACTION TO BAHTROOM AREAS



SITE INFORMATION
 DWELLING 38M²
 COVERAGE
 WIND ZONE VERY HIGH
 EXPOSURE ZONE 3
 DURABILITY ZONE B
 SNOWLOADING NS(300)1KPA

WALL CONSTRUCTION KEY
 Exterior wall framing
 90x45mm SG8 @ 400mm CRS H1.2 treated timber in accordance with NZS 3604. Refer to structural drawings for layout and fixing types.
 Walls over 2.7m
 140x45mm SG8 @ 400mm CRS H1.2 treated timber in accordance with NZS 3604. Refer to structural drawings for layout and fixing types.

90Fr WALL - 90X45mm H1.2 SG8 timber framing

SHEET TITLE Remarkables Sugar Bowl Lift Top		LAYOUT ID	REMARKABLES SUGAR BOWL CHAIRLIFT UPGRADE	DESIGNER KRIS MAYEN COOK BROTHERS QUEENSTOWN 9300 NEW ZEALAND		
REVISION Upgrade Plan	#Project Status	#Site Full Address		CAD TECH KRIS MAYEN		PROJECT NO. #P
				DATE OF ISSUE		31/07/18