Middle Bowl

Snowbasin Resort
Utah

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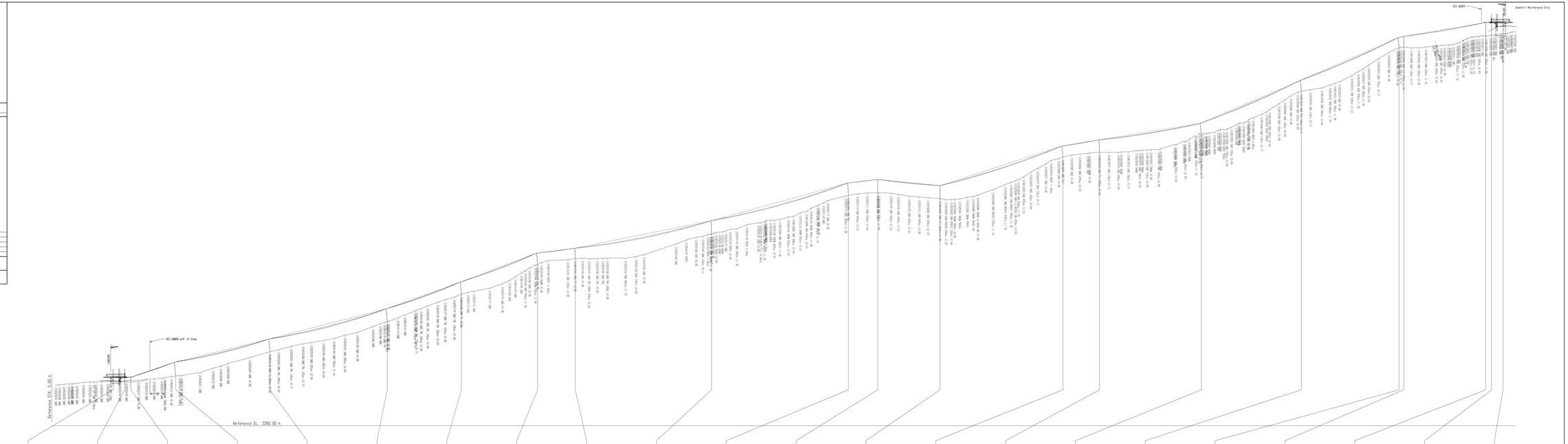
PROFILE DATA

			INITIAL	FINAL
LIFT MODEL:	LPMBP			
ROTATION:	CCW	SPEED:	5.00 m/s	5.00 m/s
CARRIER TYPE:	Six Place Chair	CAPACITY UP:	1800.00 pph	2400.00 pph
GRIP TYPE:	DETACHABLE	CAPACITY DOWN:	10.00 Σ	10.00 Σ
CABLE DIAMETER:	42.00 mm	SPACING:	60.96 m	45.72 m
SLOPE LENGTH:	1401.00 m	INTERVAL:	12.00 sec	9.00 sec
VERTICAL RISE:	302.00 m	CARRIERS:	51	68
AVERAGE GRADE:	25.00 Σ	TRIP TIME:	4.86 min	4.86 min
LINE GAUGE:	5.60 m	TENSION PRESSURE:	120.73 bars	120.73 bars
DRIVE LOCATION:	TOP	TENSION FORCE:	20000.00 daN	20000.00 daN
TENSION LOCATION:	BOTTOM	ORIGIN OF SURVEY:	C. Fitching, 5/5/21	

F			
E			
D			
C			
B	Corrected the rotation of the lift from CW to CCW.	Design	06/05/21
A	Adjusted the ground and line to reflect dbd 102 CP OPPER at elevation 8192' (2052.0m)	Design	06/01/21

DESIGN BY: B. Deparadon	P52231f B	CHECKED BY:	
DATE: May 2021		SCALE: 1/1000 1/100	



	TOWER NUMBER		ABW	***	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	***	DBW
LAYOUT	TOP OF CONCRETE STATION	(m)	------	------	80.50	126.38	222.37	342.23	417.88	455.68	534.13	673.24	812.73	942.80	888.35	1031.75	1089.02	1173.62	1274.98	1324.68	1375.40	1403.13	------	------
	TOP OF CONCRETE ELEVATION	(m)	------	------	2304.89	2311.02	2335.94	2386.55	2394.53	2424.80	2433.04	2456.29	2485.50	2498.26	2492.31	2534.79	2538.52	2556.90	2552.80	2640.33	2647.50	2658.43	------	------
	SLOPE DISTANCE BETWEEN TOWERS	(m)	------	------	46.29	96.37	123.51	80.98	83.48	36.95	141.38	144.90	30.21	63.82	132.40	37.65	105.23	111.83	105.00	4.87	64.43	------	------	------
TOWERS	TOWER TUBE LENGTH	(m)	0.00	0.00	4.87	14.00	12.70	12.93	12.29	11.64	10.35	13.18	12.56	13.47	13.03	11.05	12.61	12.98	10.87	10.19	10.86	13.75	0.00	0.00
	INCLINATION	(Σ)	0.00	0.00	5.00	10.00	10.00	10.00	10.00	10.00	5.00	5.00	5.00	0.00	0.00	10.00	5.00	10.00	10.00	10.00	0.00	0.00	0.00	0.00
	LINE GAUGE	(m)	RETURN ENG x 4.00	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	DRIVE ENG x 4.00
	UPHILL LINE EQUIPMENT		---	---	1X	6S	4S	2X/4S/2X	4S	6S	2X/4S/2X	1X/4S/1X	6S	6S	1X	6S	4S	6X	4S	6S	4S	6S	---	---
	DOWNHILL LINE EQUIPMENT		---	---	1X	6S	4S	2X/4S/2X	4S	6S	2X/4S/2X	1X/4S/1X	6S	6S	1X	6S	4S	6X	4S	6S	4S	6S	---	---
	FOUNDATION DRAWING NUMBER		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---