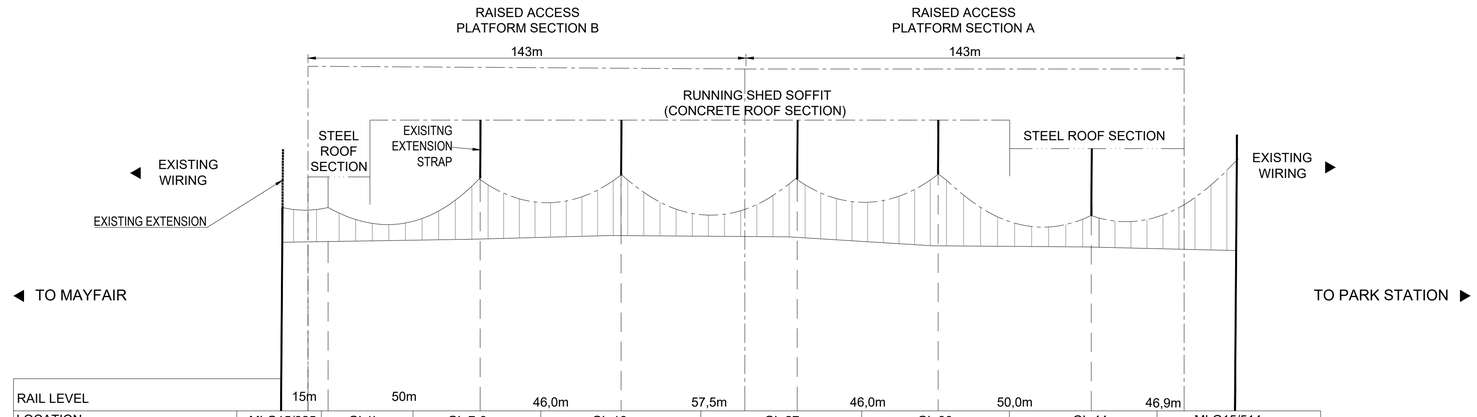


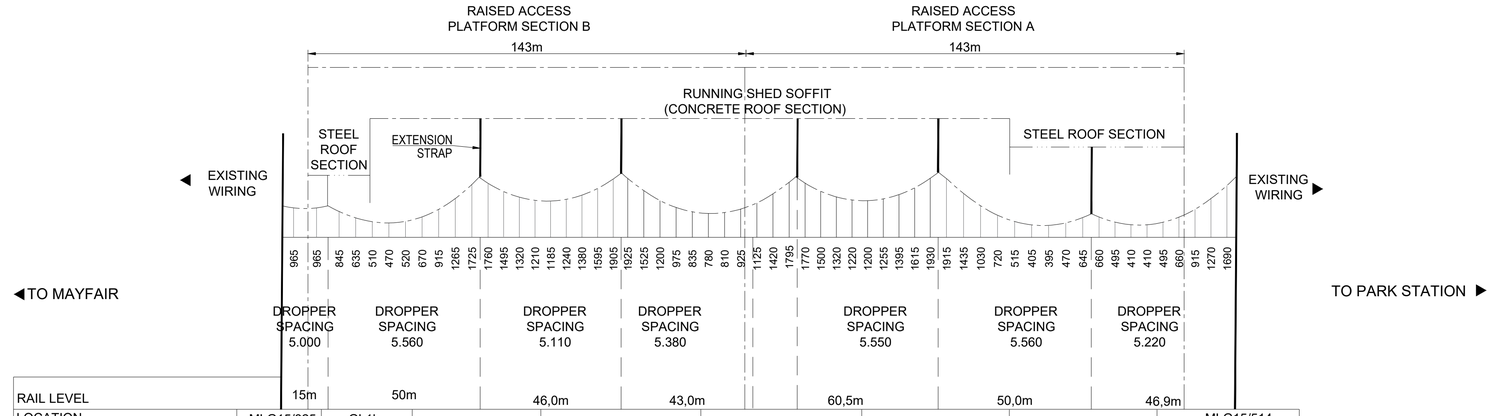
RAIL LEVEL	15m	50m	46,0m	57,5m	46,0m	50,0m	46,9m
LOCATION (EXISTING) (NEW)	MLG15/825 (EXISTING)	GL1b (EXISTING)	GL 7-8 (EXISTING)	GL 16 (EXISTING)	GL 27 (EXISTING)	GL 36 (EXISTING)	GL 44a (EXISTING)	MLG15/514 (EXISTING)
CONTACT HEIGHT (M)	5.500	5.500	5.600	5.770	5.680	5.460	5.350	5.240
CATENARY HEIGHT (M)	8.300	8.300	7.680	7.750	7.630	7.700	6.400	7.240
SOFFIT HEIGHT (M)	N/A	N/A	9.490	9.490	9.490	9.490	8.560	N/A
CATENARY WIRE TO SOFFIT HEIGHT DIFFERENCE(M)	N/A	N/A	1.810	1.740	1.860	1.790	2.160	N/A
CONTACT WIRE GRADE (PERMILLE $^{0}/_{00}$)	1.5%		2.4%	1.5%	10%	3%	0%	

WIRE TYPE

— · — · — EXISTING 160mm^2 CATENARY WIRE

——— EXISTING 161mm^2 CONTACT WIRE

EXISTING
PIT LANES 6, 7, 8 & 9
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:100



RAIL LEVEL	15m	50m	46,0m	43,0m	60,5m	50,0m	46,9m
LOCATION (EXISTING) (NEW)	MLG15/825 (EXISTING)	GL1b (EXISTING)	GL 7-8	GL 16	GL 27	GL 36	GL 44a	MLG15/514 (EXISTING)
CONTACT HEIGHT (M)	5.600	5.500	5.600	5.600	5.600	5.600	5.600	5.600
CATENARY HEIGHT (M)	8.300	8.300	7.680	7.750	7.630	7.700	6.400	7.240
SOFFIT HEIGHT (M)	N/A	N/A	9.490	9.490	9.490	9.490	8.560	N/A
CATENARY WIRE TO SOFFIT HEIGHT DIFFERENCE(M)	N/A	N/A	1.810	1.740	1.860	1.790	2.160	N/A
CONTACT WIRE GRADE (PERMILLE $^{0}/_{00}$)	0%							

WIRE TYPE

— · — · — EXISTING 160mm^2 CATENARY WIRE

——— EXISTING 161mm^2 CONTACT WIRE

PROPOSED ALTERATIONS TO PIT
LANES 6, 7, 8 & 9
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:100

ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK.

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ON ORIGINAL

0 5 10 15 20 25 30 40 50MM

NOTES:

1. FOR ELECTRIFICATION LAYOUT, REFER TO DRAWING J42000_33-GIB-SW-ZZ-DR-OH-LP-001.
2. WIRE PROFILES AT 20° C.
3. FOR REGISTRATION POSITION REFER TO LAYOUT DRAWING J42000_33-GIB-SW-ZZ-DR-OH-XS-001.
4. FOR CONTACT WIRE REGISTRATION ASSEMBLIES REFER TO DRAWING J42000_33-GIB-SW-ZZ-DR-OH-XS-001.
5. EXISTING CATENARY WIRE SUSPENSIONS TO REMAIN UNCHANGED.
6. EXISTING DROPPERS TO BE REPLACED.
7. ALL DIMENSIONS AND MEASUREMENTS SHOWN TO BE CONFIRMED ON SITE PRIOR TO EXECUTION OF THE WORKS.
8. ANY DISCREPENCIES BETWEEN THE CATENARY HEIGHTS SHOWN VERSUS CATERNARY MEASUREMENTS TAKEN ON SITE TO BE REPORTED TO THE ELECTRICAL ENGINEER FOR CLARIFICATION AND ADJUSTMENTS WHERE REQUIRED.

ISSUED FOR TENDER

No	Date	Details	Chd	Appd
B	02/09/2026	PIT LANE 8 & 9 ISSUED FOR TENDER	MB	AvdW
A	16/03/2026	ORIGINAL	MB	AvdW

Revisions

Client
Be moved
prasa PASSENGER RAIL AGENCY OF SOUTH AFRICA
Umjantshi House 30 Wolmarans street Braamfontein
Private Bag X101 Braamfontein, 2017
Tel +27 (0)11 013 1667

Architect

GIBB INFRASTRUCTURE & TRANSPORT
Head Office - Johannesburg
3rd Floor,
19 Ninth Street, Houghton Estate
Rosebank, 2196

Project

PT BRM DEPOT
TRAIN ROOF ACCESS

Description

PT BRM DEPOT
OHTE WIRE PROFILES
TO PIT LANES 6, 7, 8, 9 & 10

Approved By
A vd WALT Pr Eng 920019

Drawn By
M LEKOBOTJA

Designed By
A vd WALT

Reviewed By
A vd WALT

Scale
AS SHOWN

Date
JULY 2026

Project No

GIBB Dwg. No
.....

Rev
B

J42000_33-GIB-DD-ZZ-DR-OH-LP-001

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