



- NOTES:
1. FOR TANGENT TRACK THE NORMAL CONTACT WIRE STAGGER IS 230mm FROM ϵ PANTOGRAPH AND TRACK WITH CATENARY DIRECTLY OVER THE CONTACT WIRE.
 2. FOR CURVED TRACK THE CATENARY IS DIRECTLY OVER THE CONTACT WIRE AND THE NORMAL CONTACT WIRE STAGGER IS EQUAL TO THE STRING LINE IN THE ADJACENT SPANS UP TO 350mm MAX STAGGER.
 3. FOR STAGGER PURPOSES, TANGENT TRACK IS WHERE STRING LINE IS LESS THAN 50mm FOR SPANS BEING CONSIDERED.
 4. NORMAL ENCUMBRANCE (CATENARY TO CONTACT) WILL BE 900mm.
 5. FOR TANGENT TRACK, PREFERRED STAGGER ARRANGEMENT IS TO HAVE BOTH CONTACTS STAGGERED TOWARD MAST THEN AWAY (I.E. PULL-OFF CANTILEVERS FOLLOWED BY PUSH-OFF CANTILEVERS).
 6. DIMENSIONS IN mm UNLESS NOTES OTHERWISE.

DESCRIPTION	NOMINAL HEIGHT ABOVE HIGH RAIL LEVEL AT NOMINAL C.W.H
EARTH WIRE	6650
RETURN CONDUCTORS	6250
TOP CANTILEVER BRACKET	5950
CATENARY WIRE	5800
CONTACT WIRE	4900
BOTTOM CANTILEVER BRACKET	4600

0	27.02.17	ORIGINAL DRAWING No 000-104.	RH	JAG	RM	LB
REV	DATE	AMENDMENT	DSN	DRN	CHKD	APP
ORIG SIZE	A3	0 10 20 30 40 50mm	This document must not be copied without PTA's written permission, and the contents thereof must not be imparted to a third party nor be used for any unauthorised purpose.			
		AT ORIGINAL PLOT SIZE				

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REFERENCE DRGS	SCALE :	DESIGNED	PJS
I	N.T.S. (@ A3)	DRAWN	JA
	DATUM :	CHECKED	LC
	HORIZONTAL:	APPROVED FOR ISSUE	
	VERTICAL:	LEO BEYERS	
	DOC REVIEW NOTE No.	ELECTRICAL ENGINEERING MANAGER	
	A2751796	DATE 07.04.17	

		OVERHEAD LINE EQUIPMENT	
		MARGINAL CANTILEVER MASTS PACKAGE - A	
		000/104	
PTA Drawing No:		00-H-08-0482	REV : 0