

NOTES CONTINUED:

16. 400mm MINIMUM BRACKET SEPARATION FOR INVERTED ORIENTATION SUPPORT ASSEMBLY DUE TO MINIMUM NOSE TUBE LENGTH.

NOTES CONTINUED:

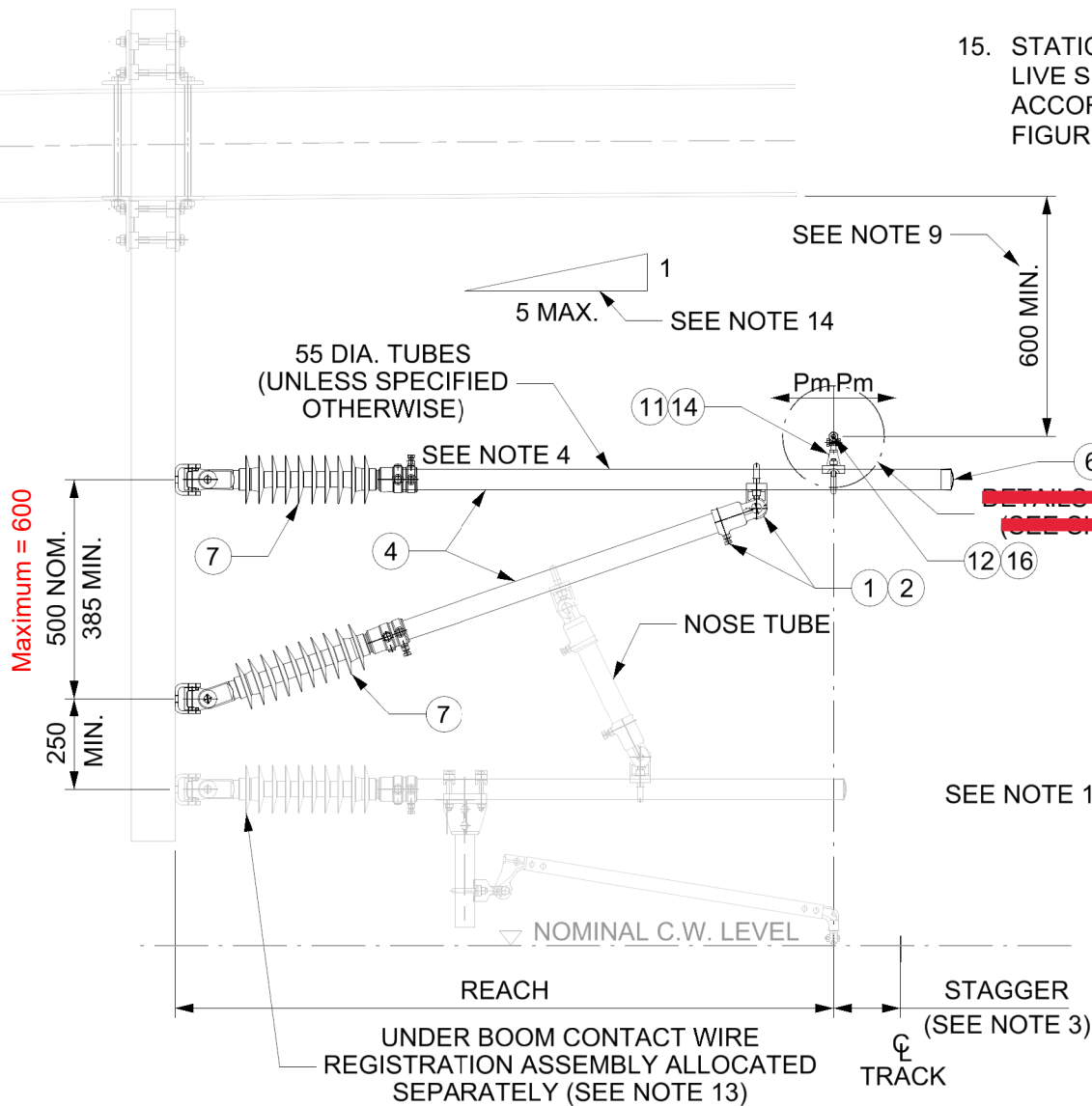
11. FOR DETAILS AND ALLOCATION REFERENCES SEE SHEET 2.
12. FOR PREVIOUS REVISIONS OF DRAWING AND NOT FOR FUTURE ALLOCATION STYLES (0MN) REFER TO SHEETS 3 & 4.
13. FOR UNDER BOOM CONTACT WIRE REGISTRATION ASSEMBLY REFER TO DRAWINGS MS/C99/T08/A3 OR MS/C99/T09/A3.
14. GRADIENT OF TOP TUBE TO BE STEEPER THAN 1:5 (FOR EXAMPLE 1:3).
15. STATIC ELECTRICAL CLEARANCE FROM LIVE SIDE INSULATOR COLLAR IN ACCORDANCE WITH BS EN 50119:2020 FIGURE 2.

NOTES CONTINUED:

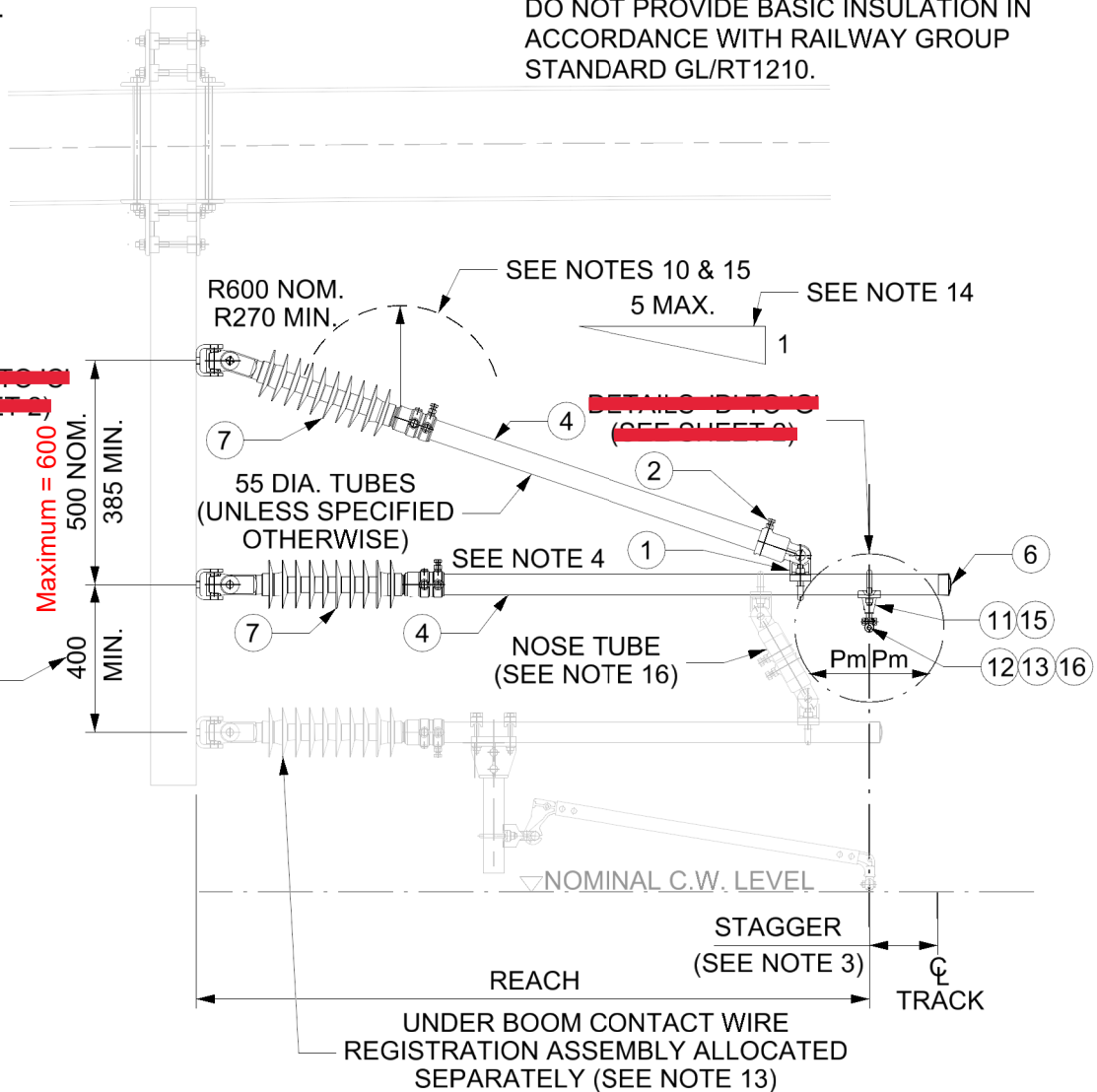
6. MAXIMUM WORKING LOAD (ACROSS TRACK) ON COPPER CATENARY WIRE (ITEM 11) (Pm) = 2.7kN. MAXIMUM WORKING LOAD ON ALUMINIUM (AWAC) 5/2/3.95mm CATENARY WIRE (ITEMS 14 & 15) (Pm) = 6kN.
7. FOR TORQUE SETTINGS REFER TO INSTALLATION MANUAL.
8. CATENARY WIRE TO BE INSTALLED IN LINE WITH DETAILS 'A' TO 'G'; SEE SHEET 2.
9. ELECTRICAL CLEARANCES FROM STRANDED CONDUCTORS TO EARTHED STEELWORK TO BE NO LESS THAN 600mm.
10. STATIC CLEARANCES LESS THAN 370mm DO NOT PROVIDE BASIC INSULATION IN ACCORDANCE WITH RAILWAY GROUP STANDARD GL/RT1210.

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. CATENARY FRAME CAN BE INSTALLED IN NORMAL AND INVERTED ASSEMBLIES WITH THE CATENARY ABOVE OR BELOW THE TUBE IN EITHER CASE AS SHOWN ON DETAILS 'A' TO 'G' ON SHEET 2. NOTE THAT THE CONTENARY CLAMP STYLE IS BELOW THE TUBE ONLY. SEE NOTE 8 ON SHEET 2.
3. THE STAGGER VALUES ARE TO BE DESIGNED IN ACCORDANCE WITH THE UKMS ALLOCATION DESIGN MANUAL,141667-FAF-MAN-EOH-000002 ISSUE 2.1, SECTION 12.7.
4. IN ALL CASES THE TUBE SUPPORTING THE CATENARY IS TO BE INSTALLED IN A HORIZONTAL POSITION.
5. THE STAGGER DIFFERENCE BETWEEN THE CATENARY AND CONTACT WIRE TO BE MAINTAINED IN ACCORDANCE WITH THE UKMS MAINTENANCE MANUAL 141667-FAF-MAN-EOH-000004 ISSUE 2.2, SECTION 10.3.



CATENARY / CONTENTARY SUPPORT ASSEMBLY - NORMAL ORIENTATION
(SEE NOTE 2)
REFERENCE No. C99/T07/101, 201, 301 OR 401



CATENARY / CONTENTARY SUPPORT ASSEMBLY - INVERTED ORIENTATION
(SEE NOTE 2)
REFERENCE No. C99/T07/101, 201, 301 OR 401

01	05/11/21	R00 DETAILS MOVED TO NEW SHEET 3.	TM	MP	HP
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Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					

APPROVED



Infrastructure Design Group
Electrification and Plant
Waterloo General Offices
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Project
UK MASTER SERIES

Drawing Title
**UNDER BOOM CATENARY
SUPPORT ASSEMBLY**

Designed	J.FISHER	Signed	JF	Date	09/07/21
Drawn	T.MAULE	Signed	TM	Date	09/07/21
Checked	M.POWER	Signed	MP	Date	16/07/21
Approved	H.PASCALL	Signed	HP	Date	05/11/21

Scale(s)
1:20

Alternative Reference
Sheet
01 of 04

Drawing Number
MS/C99/T07/A3
Revision
01