NOTES:

8. ALLOCATION REFERENCE IS IN THE FORM OF THE 2ND & 3RD REFERENCES IN THE DRAWING NUMBER AND THE STYLE 'LMN' WHERE 'LM' IS FROM TABLE 3 AND 'N' FROM TABLE 4.
E.G. C99/T09/051 IS A PULL OFF MPA CONTACT WIRE REGISTRATION ASSEMBLY WITH A 900mm STRAIGHT ARM.

Minimum reach not provided for push off cantilevers (note 4)

TABLE 3 - REGISTRATION ASSEMBLY ALLOCATION

| (SEE NOTE 5) | PULL OFF / PUSH OFF | RADIAL LOAD (N) | REACH (mm) | NOSE TUBE | C48 | T02 | 996 | 8WL2184-3 | 8WL3078-6D | C23 | T02 | 001 | C23 | T03 | 001 | C23 | T01 | 001 | 8WL3508-5 | 8WL2244-0 | C23 | T04 | 035 | 8WL2114-1A | 8WL3508-7 | 8WL2115-1 | 8WL2121-5 | C23 | T04 | 050 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ITEM No. | | | | | | | 1 | 2 | 3 | 4 | | 5 | | 7 | | | | 8 | 9 | | | 21 | 22 | 23 | 24 | 25 | | | 30 |
| NOT FOR FUTURE ALLOCATION | PULL OFF | 0 ≤ RL ≤ 3000 | 1895-2740 | N/A | C99 | T09 | 01N | - | - | - | - | | - | | - | | | | - | - | | | - | - | - | - | - | | | - |
| NOT FOR FUTURE ALLOCATION | PUSH OFF | 0 ≤ RL ≤ 3000 | (SEE NOTE 4) -2740 | N/A | C99 | T09 | 02N | - | - | - | - | | - | | - | | | | - | - | | | - | - | - | - | - | | | - |
| SEE NOTE 7 | PULL OFF | 0 ≤ RL ≤ 3000 | 1895-2740 | NO | C99 | T09 | 05N | 240 | 2 | 1 | 1 | | 1 | | - | | | | - | 1 | | | 1 | 1 | - | - | - | | | - |
| | PUSH OFF | 0 ≤ RL ≤ 3000 | (SEE NOTE 4) -2740 | NO | C99 | T09 | 06N | 390 | 2 | 1 | 1 | | 1 | | - | | | | - | 1 | | | 1 | 1 | - | - | - | | | - |
| | PULL OFF 1100mm REACH OVER | 0 ≤ RL ≤ 3000 | 1895-2740 | YES | C99 | T09 | 030 | 320 | 2 | 1 | 1 | | 1 | | 1 | | | | - | 1 | | | - | 1 | - | 2 | 2 | | | 1 |
| | PUSH OFF 1100mm REACH OVER | 0 ≤ RL ≤ 3000 | (SEE NOTE 4) -2740 | YES | C99 | T09 | 031 | 475 | 2 | 1 | 1 | | 1 | | 1 | | | | - | 1 | | | - | 1 | - | 2 | 2 | | | 1 |
| | OUT OF RUNNING | 0 ≤ RL ≤ 3000 | 1895-2740 | YES | C99 | T09 | 040 | 290 | 2 | 1 | 1 | | 1 | | - | | | | 1 | - | | | - | - | - | 2 | 2 | | | - |
| | PULL OFF 1300mm REACH OVER | 0 ≤ RL ≤ 3000 | 1895-2740 | YES | C99 | T09 | 070 | 320 | 2 | 1 | 1 | | 1 | | - | | | | - | 1 | | | - | 1 | 1 | 2 | 2 | | | 1 |
| | PUSH OFF 1300mm REACH OVER | 0 ≤ RL ≤ 3000 | (SEE NOTE 4) -2740 | YES | C99 | T09 | 071 | 475 | 2 | 1 | 1 | | 1 | | - | | | | - | 1 | | | - | 1 | 1 | 2 | 2 | | | 1 |
| | PULL OFF | 0 ≤ RL ≤ 3000 | 1895-2740 | YES | C99 | T09 | 08N | 320 | 2 | 1 | 1 | | 1 | | - | | | | - | 1 | | | 1 | 1 | - | 2 | 2 | | | - |
| | PUSH OFF | 0 ≤ RL ≤ 3000 | (SEE NOTE 4) -2740 | YES | C99 | T09 | 09N | 475 | 2 | 1 | 1 | | 1 | | - | | | | - | 1 | | | 1 | 1 | - | 2 | 2 | | | - |

Out of running assembly allocation is the same for pull off and push off

TABLE 4 - REGISTRATION ARM ALLOCATION

| REGISTRATION ARM (mm) | C99 | T09 | LM1 | 8WL3500-3A | 8WL3500-3D | 8WL3500-3G | 8WL3500-8L | 8WL3500-8N | 8WL3500-8T | 8WL3500-8U |
|---|---|---|---|---|---|---|---|---|---|---|
| | ITEM No. | | | 16 | 17 | 18 | 26 | 27 | 28 | 29 |
| 900 STRAIGHT | C99 | T09 | LM1 | 1 | - | - | - | - | - | - |
| 1100 STRAIGHT | C99 | T09 | LM3 | - | 1 | - | - | - | - | - |
| 1300 STRAIGHT | C99 | T09 | LM5 | - | - | 1 | - | - | - | - |
| 1000 ANGLED | C99 | T09 | LM6 | - | - | - | 1 | - | - | - |
| 1150 ANGLED | C99 | T09 | LM7 | - | - | - | - | 1 | - | - |
| 1350 ANGLED | C99 | T09 | LM8 | - | - | - | - | - | 1 | - |
| 1450 ANGLED | C99 | T09 | LM9 | - | - | - | - | - | - | 1 |

NOTES:

1. FOR STRAIGHT ARM CONTACT WIRE REGISTRATION ASSEMBLIES REFER TO SHEET 1.
2. FOR REACH OVER CONTACT WIRE REGISTRATION ASSEMBLIES REFER TO SHEET 2.
3. FOR OUT OF RUNNING CONTACT WIRE REGISTRATION ASSEMBLY REFER TO SHEET 3.
4. MINIMUM REACH TO BE CALCULATED ON A CASE BY CASE BASIS.
5. FOR PREVIOUS REVISIONS OF DRAWING AND NOT FOR FUTURE ALLOCATION STYLES (01N, 02N, 030, 031 & 040) REFER TO SHEETS 5 TO 8.
6. ITEM NUMBERS CONTAINED WITHIN TABLES 3 & 4 ARE COMPATABLE WITH NOT FOR FUTURE ALLOCATIONS ASSEMBLY STYLES, REFER TO TABLES 1 & 2 CONTAINED ON SHEET 8.
7. STYLES 05N & 06N TO BE ALLOCATED FOR MID-POINT ANCHORS (MPA'S) ONLY (NOSE TUBE IS NOT REQUIRED).

| Rev | Date | Description of Revisions | Drawn | Chkd | Appr |
|---|---|---|---|---|---|
| 01 | 05/11/21 | R00 DETAILS MOVED TO NEW SHEET 8. | TM | MP | HP |

Status APPROVED

NetworkRail

Infrastructure Design Group
Electrification and Plant
Waterloo General Offices
Waterloo Station, London SE1 8SW

Project
# UK MASTER SERIES

Drawing Title

UNDER BOOM CONTACT WIRE REGISTRATION ASSEMBLY FOR REDUCED TRACK INTERVALS

| | | | | | |
|---|---|---|---|---|---|
| Designed | J.FISHER | Signed | JF | Date | 19/07/21 |
| Drawn | T.MAULE | Signed | TM | Date | 19/07/21 |
| Checked | M.POWER | Signed | MP | Date | 26/07/21 |
| Approved | H.PASCALL | Signed | HP | Date | 05/11/21 |

Scale(s) NTS

Alternative Reference

Sheet 04 of 08

Drawing Number MS/C99/T09/A3

Revision 01

Sheet Size A3 297 x 420