

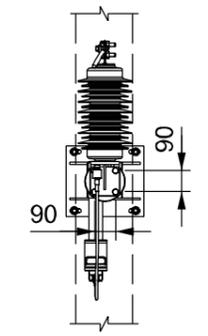
DIMENSION 'A' AND 'B' ARE SELECTED FROM THE TABLE BELOW:

| DIMENSION 'A' | DIMENSION 'B' |
|---------------|---------------|
| 1911 | 1220 |
| 2411 | 1720 |
| 2911 | 2220 |
| 3411 | 2720 |

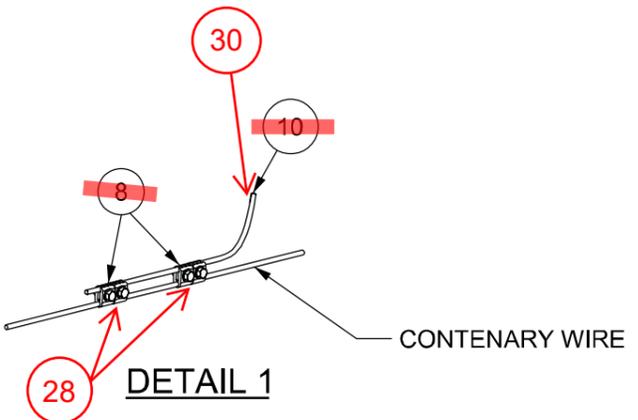
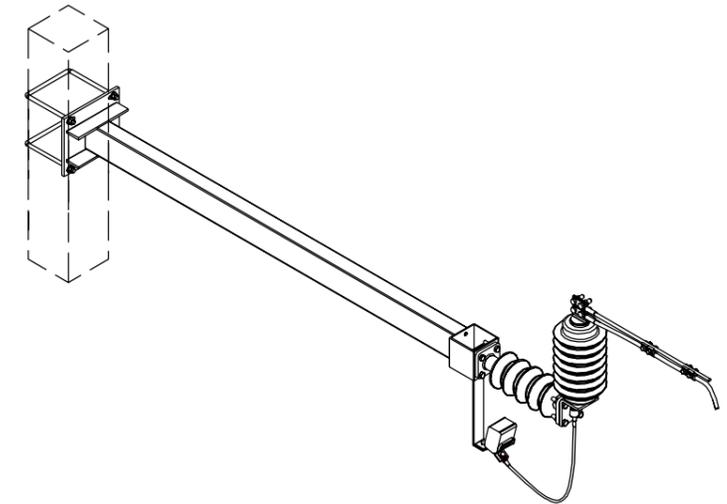
- NOTES:**
- ITEM 10 LENGTH IS BASED ON CONNECTION BETWEEN SURGE ARRESTER AND CONTENARY WIRE.
 - SEE SHEET 02 FOR MAST AND STAND OFF LENGTH ALLOCATION.

CONNECTED TO CONTENARY WIRE (WITH 2 ITEM 8'S SEE DETAIL 1) THE CONNECTION SHOULD BE KEPT AS SHORT AS PRACTICALLY POSSIBLE.

THE SURGE ARRESTER BOND MUST HANG FREELY BETWEEN CONNECTIONS AND NOT TIED TEMPORARILY OR PERMANENTLY TO ANY OTHER SUPPORTING ASSEMBLY.



VIEW ON 'A-A'



- NOTES:**
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
 - THE ASSEMBLY DESIGN HAVE TO BE INSTALLED IN AN ACROSS TRACK ORIENTATION.
 - SHOULD THE SURGE ARRESTER BECOME THERMALLY OVERLOADED, THE SURGE ARRESTER BOND CONNECTION UNIT WILL ACTIVATE WHICH RESULT IN THE CONNECTION BECOMING DISCONNECTED FROM THE SURGE ARRESTER. CARE SHOULD BE TAKEN WHEN DESIGNING AND INSTALLING THE SURGE ARRESTER TO CONFIRM THAT THE BOND CONNECTION MAINTAINS A MINIMUM 600mm CLEARANCE TO LIVE PARTS NORMALLY AND A MINIMUM 270mm WHEN DISCONNECTED.
 - WHEN THE SURGE ARRESTER EXPULSION FUSE HAS ACTIVATED, THE SURGE ARRESTER UNIT WILL REQUIRE REPLACING.
 - THE ACM UNIT IS TO BE MOUNTED TO ACHIEVE VIEWING FROM THE CESS WHERE POSSIBLE.

THIS DRAWING HAS BEEN PRODUCED FROM 474.90012
PLEASE SEE ORIGINAL DRAWING FOR REVISION HISTORY
NUMERICAL REVISION SUPERSEDES REVISIONS WITH
LETTER PREFIX e.g Pxx and Axx

| Rev | Date | Description of Revisions | Drawn | Chkd | Appr |
|-----|----------|---------------------------------------|-------|------|------|
| 01 | 29/03/21 | AMENDED TO INCLUDE VARIOUS UKMS MASTS | PT | SS | RW |
| 00 | 23/09/20 | INITIAL ISSUE | EMO | MP | SH |

APPROVED

NetworkRail

Safety, Technical & Engineering
Contact Systems AC/DC
The Quadrant: MK
Elder Gate
Milton Keynes
MK9 1EN

UK MASTER SERIES

Drawing Title

SURGE ARRESTER ASSEMBLY FOR UKMS MASTS

| | | | | | |
|----------|--------------|--------|-----|------|----------|
| Designed | E.M. OLABODE | Signed | EMO | Date | 20/09/20 |
| Drawn | E.M. OLABODE | Signed | EMO | Date | 20/09/20 |
| Checked | M. PEFFERS | Signed | MP | Date | 20/09/20 |
| Approved | S. HOLDER | Signed | SH | Date | 20/09/20 |

Scale(s) **NTS**

| | |
|-----------------------|----------------|
| Alternative Reference | Sheet 01 of 02 |
| Drawing Number | MS/C99/N01/A3 |
| Revision | 01 |