

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

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

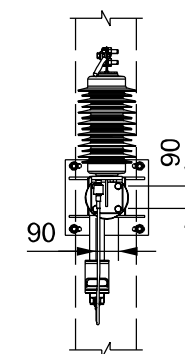
NOTES:

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

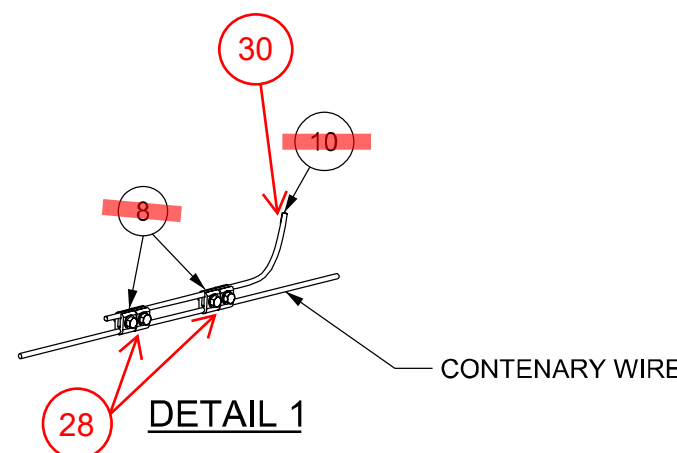
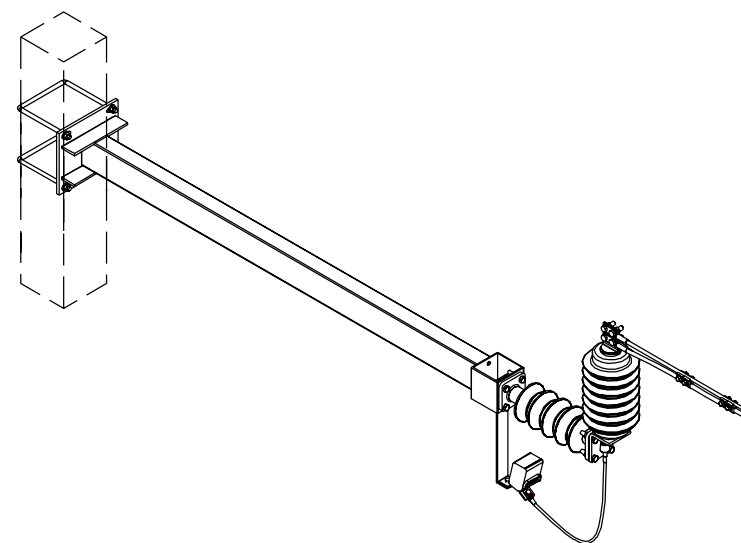
CONNECTED TO CONTENARY WIRE (WITH 2 ITEM 8'S SEE DETAIL 1) THE CONNECTION SHOULD BE KEPT AS SHORT AS PRACTICALLY POSSIBLE.

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

SEE NOTE 3 FOR CLEARANCE



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



Safety, Technical & Engineering
Contact Systems AC/DC
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Project
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