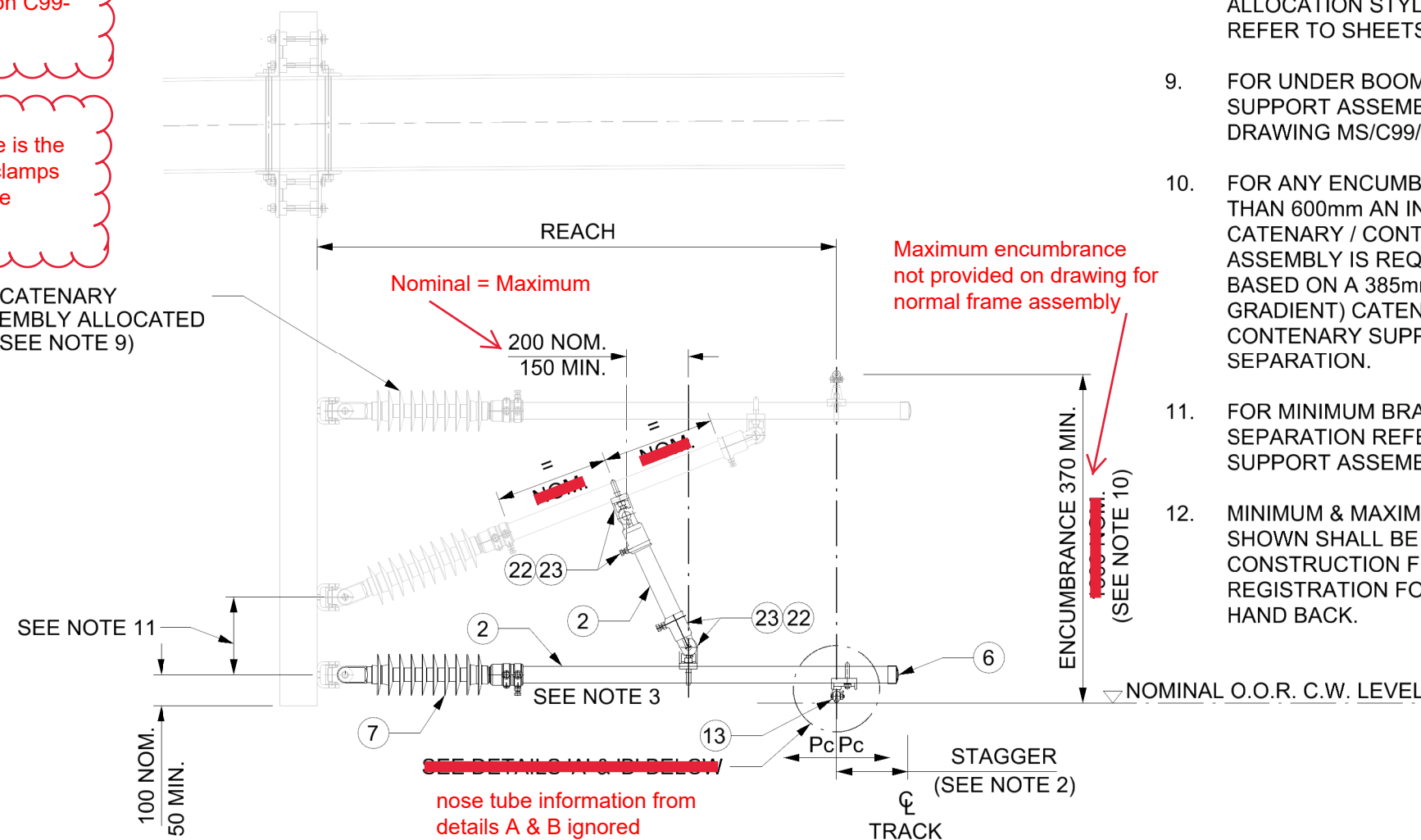


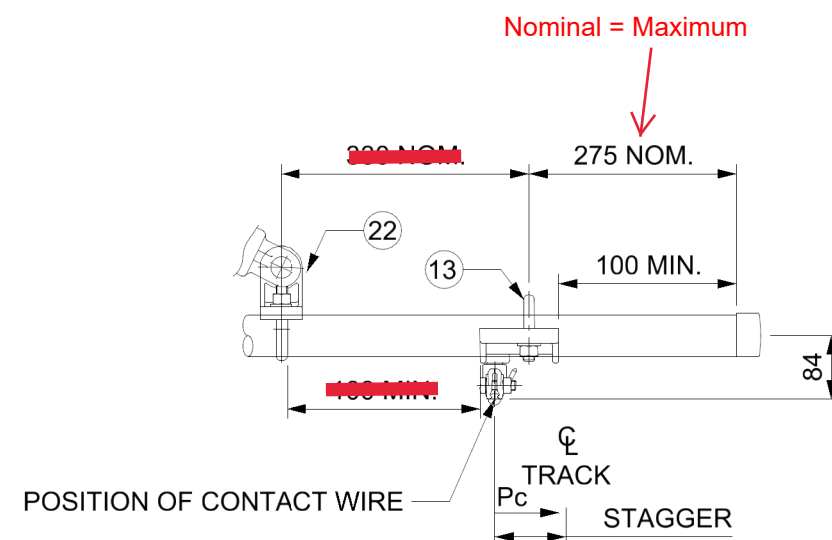
No inverted frame out of running pull-off or push-off assemblies shown on C99-T08 drawings

Encumbrance range is the same for catenary clamps above and below the frame

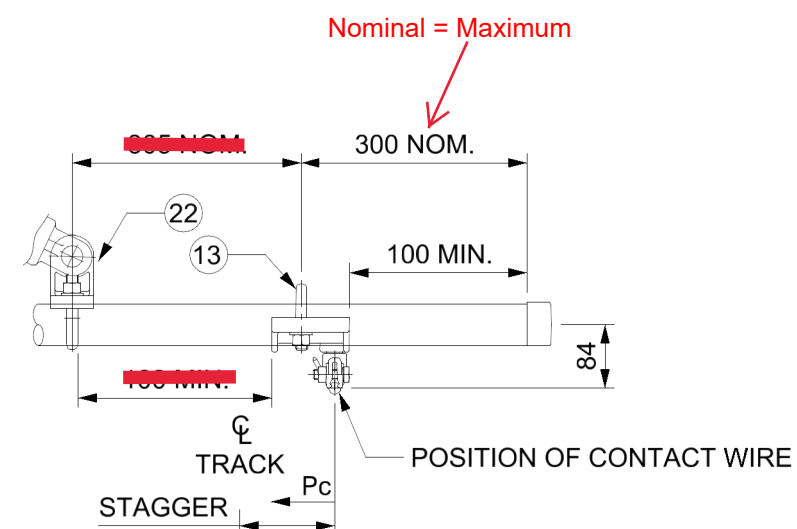
UNDER BOOM CATENARY SUPPORT ASSEMBLY ALLOCATED SEPARATELY (SEE NOTE 9)



OUT OF RUNNING CONTACT WIRE REGISTRATION ASSEMBLY (PULL OFF SHOWN)  
REFERENCE No. C99/T08/108 OR 208  
SCALE 1:20



DETAIL 'A' PULL OFF OUT OF RUNNING CONTACT WIRE REGISTRATION  
REFERENCE NO. C99/T08/108  
SCALE 1:10



DETAIL 'B' PUSH OFF OUT OF RUNNING CONTACT WIRE REGISTRATION  
REFERENCE NO. C99/T08/208  
SCALE 1:10

#### NOTES CONTINUED:

- FOR PREVIOUS REVISIONS OF DRAWING AND NOT FOR FUTURE ALLOCATION STYLES (01N & 02N) REFER TO SHEETS 5 TO 8.
- FOR UNDER BOOM CATENARY SUPPORT ASSEMBLY REFER TO DRAWING MS/C99/T07/A3.
- FOR ANY ENCUMBRANCE LESS THAN 600mm AN INVERTED CATENARY / CONTENARY SUPPORT ASSEMBLY IS REQUIRED. THIS IS BASED ON A 385mm MIN. (1:5 MAX. GRADIENT) CATENARY / CONTENARY SUPPORT BRACKET SEPARATION.
- FOR MINIMUM BRACKET SEPARATION REFER TO CATENARY SUPPORT ASSEMBLY MS/C99/T07/A3.
- MINIMUM & MAXIMUM DIMENSIONS SHOWN SHALL BE ADHERED TO AT CONSTRUCTION FINAL REGISTRATION FOR MAINTENANCE HAND BACK.

#### NOTES:

- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
- 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.
- IN ALL CASES REGISTRATION TUBE IS TO BE INSTALLED IN A HORIZONTAL POSITION.
- 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.
- FOR REGISTRATION ARM SELECTION, FRAME ALLOCATION AND ALLOCATION REFERENCES REFER TO SHEET 4.
- MAXIMUM WORKING LOAD ON CONTACT WIRE ( $P_c$ ) = 3.5kN.
- FOR TORQUE SETTINGS REFER TO INSTALLATION MANUAL.

01	05/11/21	R00 DETAILS MOVED TO NEW SHEET 7.	TM	MP	HP
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					

APPROVED



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**

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) **AS SHOWN**

Alternative Reference	Sheet
	03 of 08
Drawing Number	Revision
MS/C99/T08/A3	01