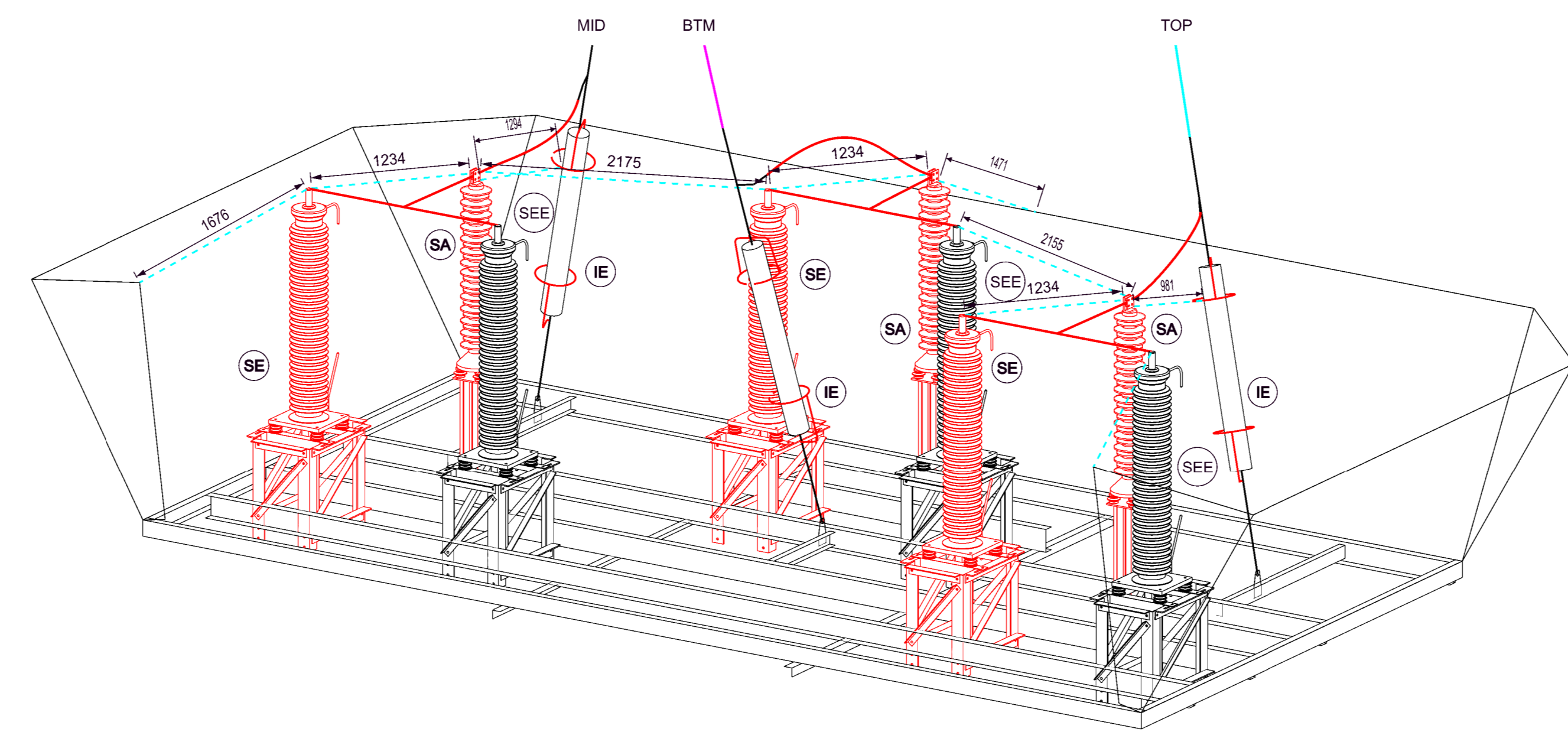
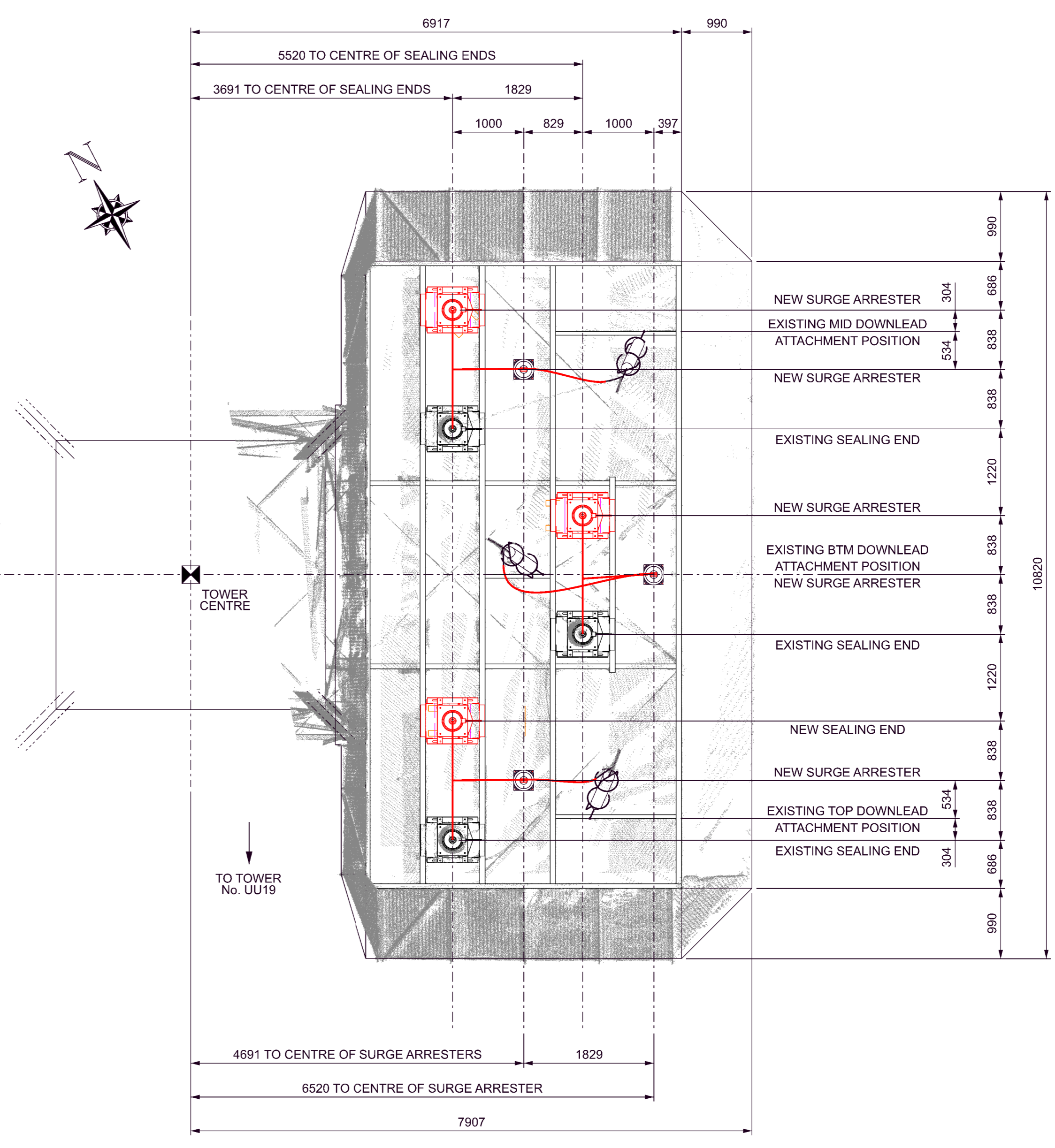


SECTION X-X
SHOWING PLAN VIEW OF TOWER / CABLE LADDER AT GROUND LEVEL

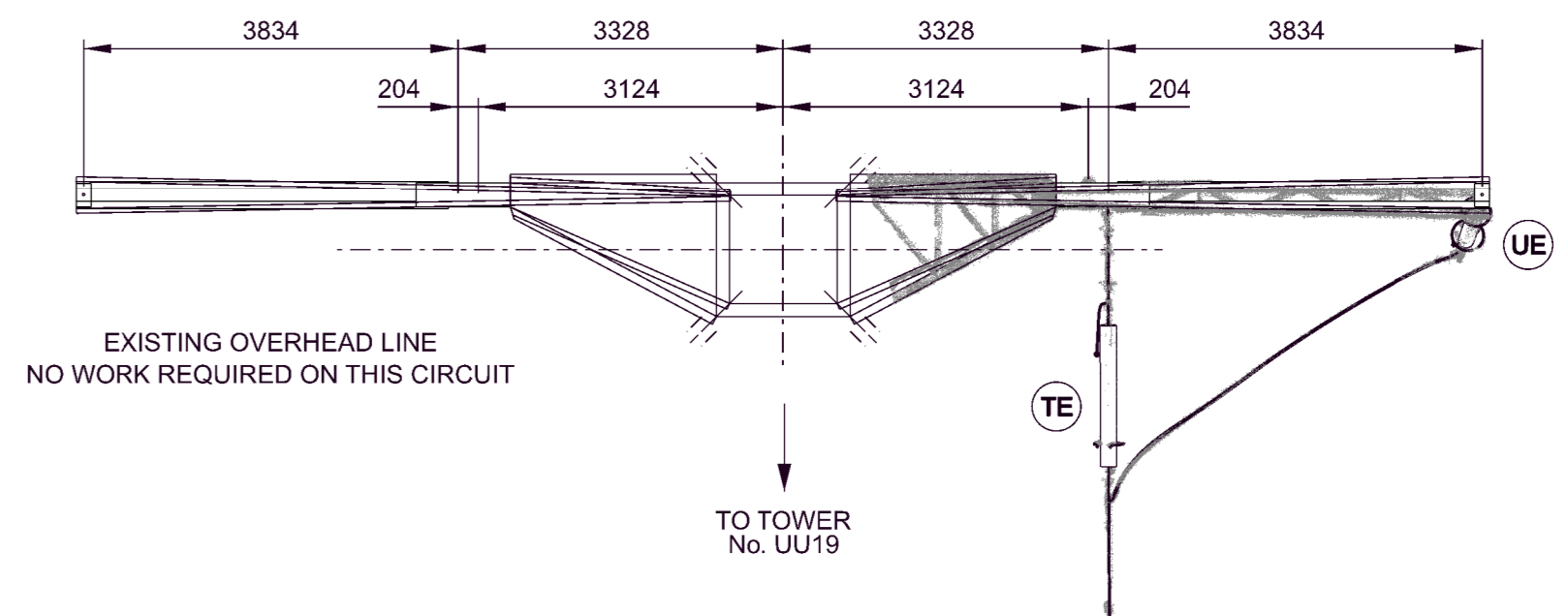
**CONCEPT ONLY: NOT FOR CONSTRUCTION
SUBJECT TO FULL DETAIL DESIGN
AND WIRE CLEARANCE CHECKS**



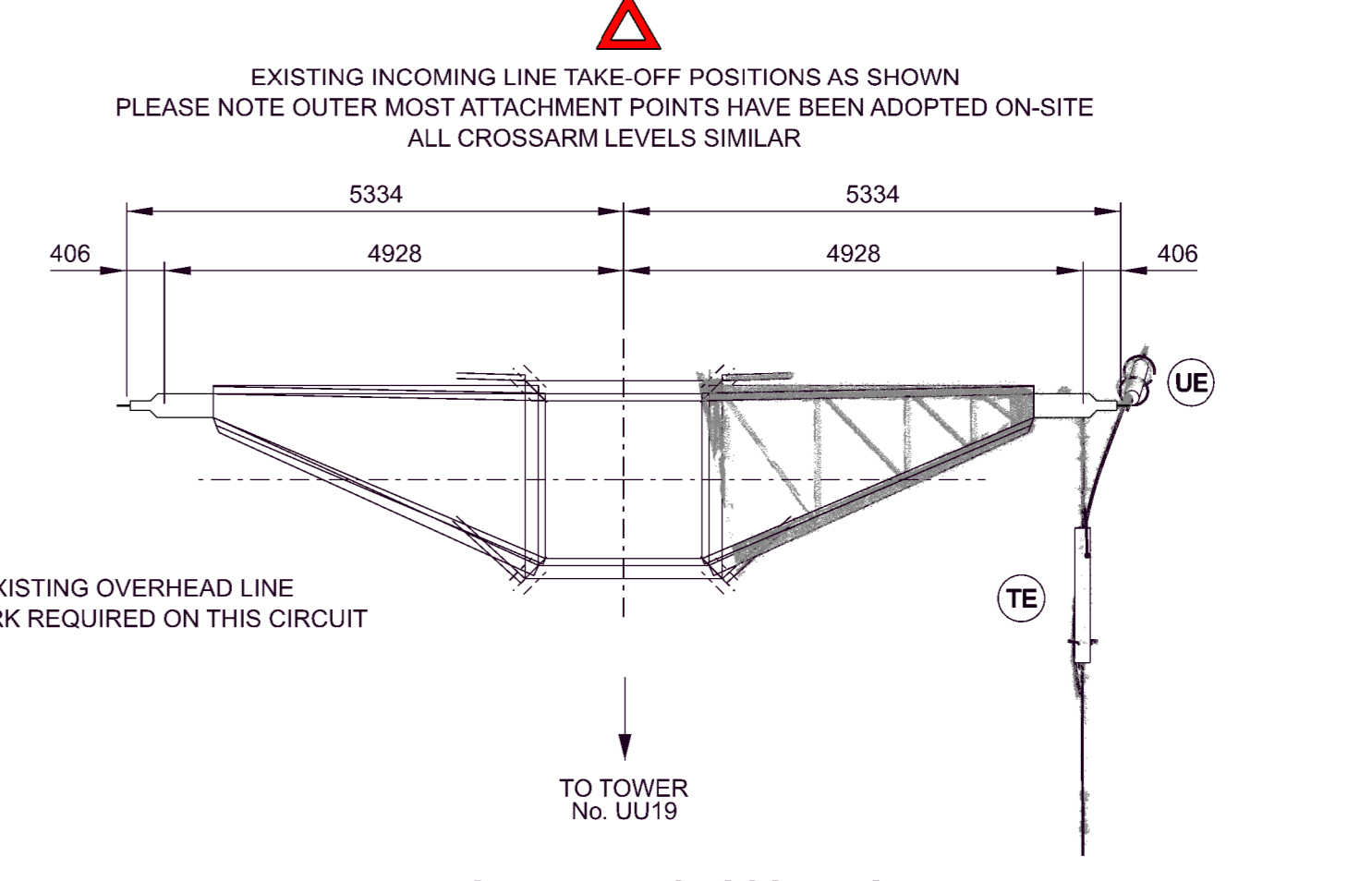
ENLARGED ISOMETRIC VIEW OF SEALING END PLATFORM & NEW EQUIPMENT DETAILS
(NOT TO SCALE - TOWER OUTLINE OMITTED FOR CLARITY)



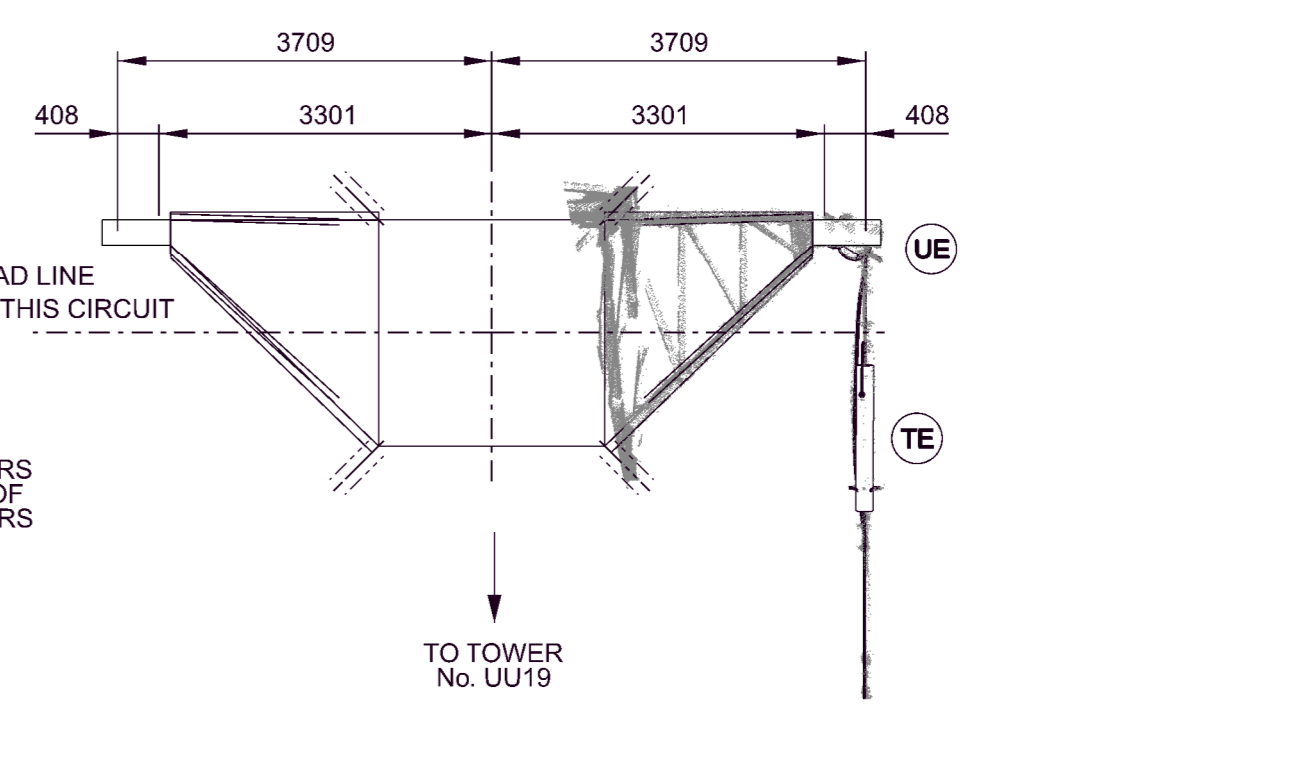
PLAN VIEW OF SEALING END PLATFORM
(Scale 1:50)



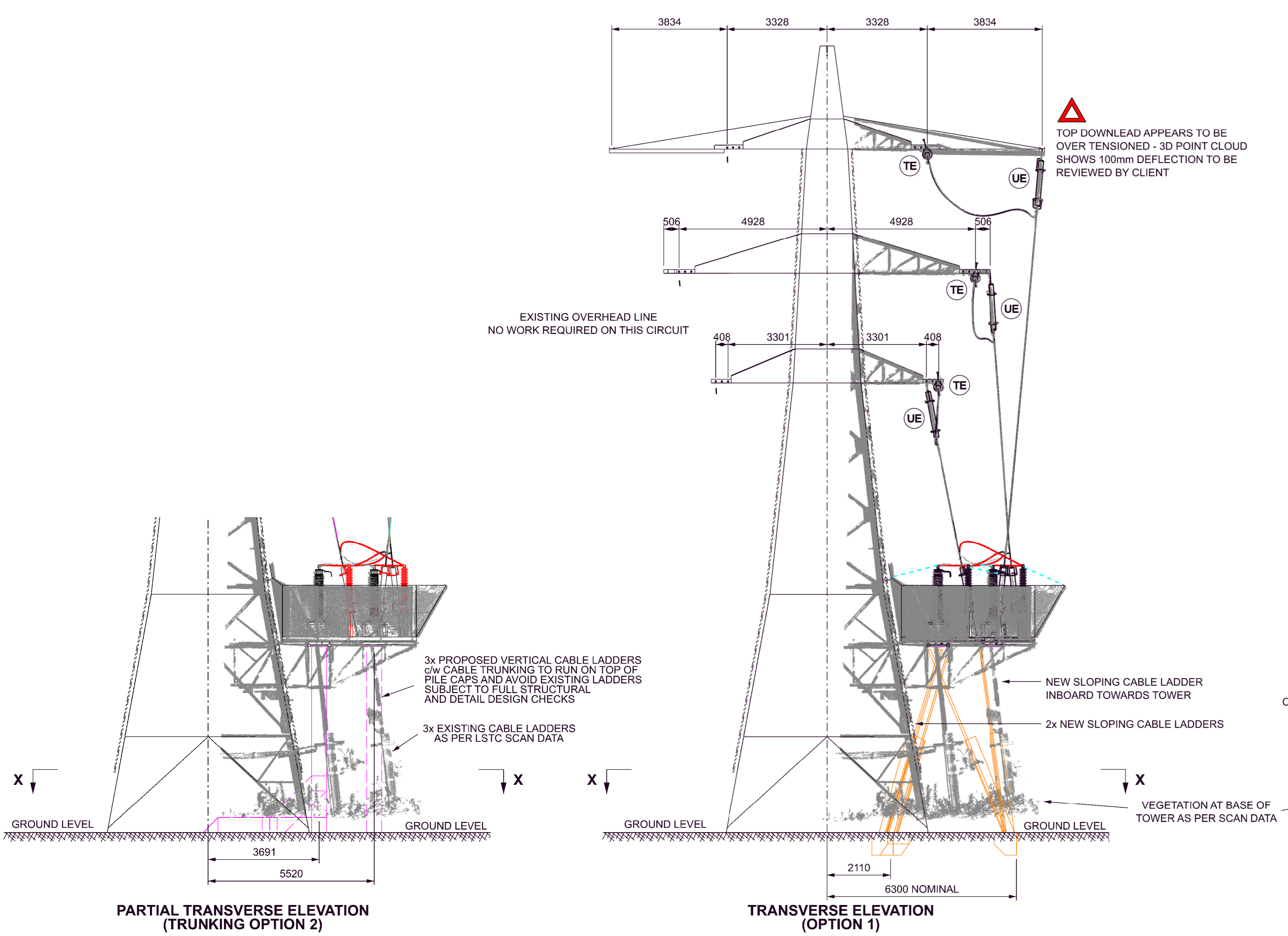
PLAN ON TOP CROSSARMS
(Scale 1:75)



PLAN ON MIDDLE CROSSARMS
(Scale 1:75)

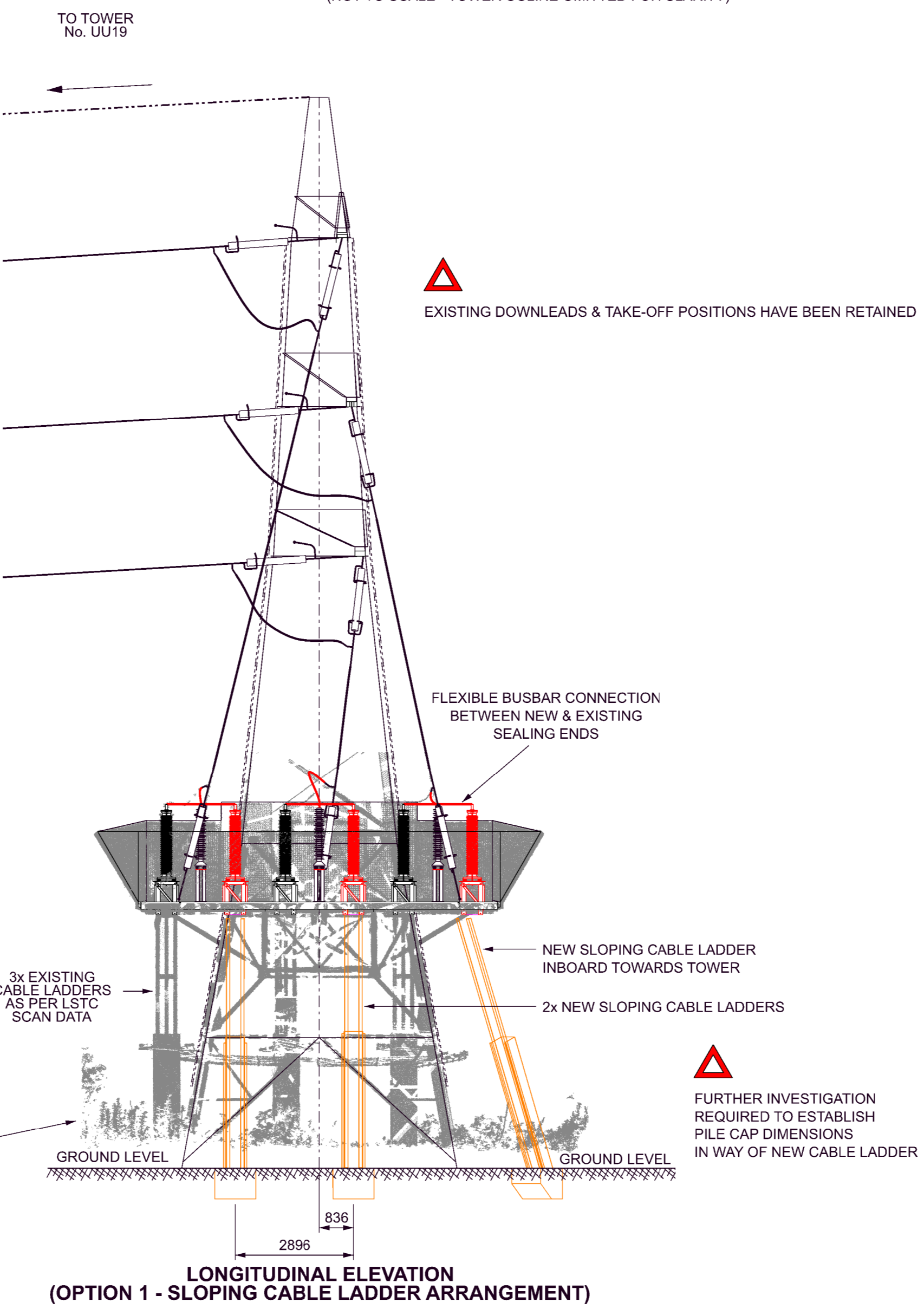


PLAN ON BOTTOM CROSSARMS
(Scale 1:75)

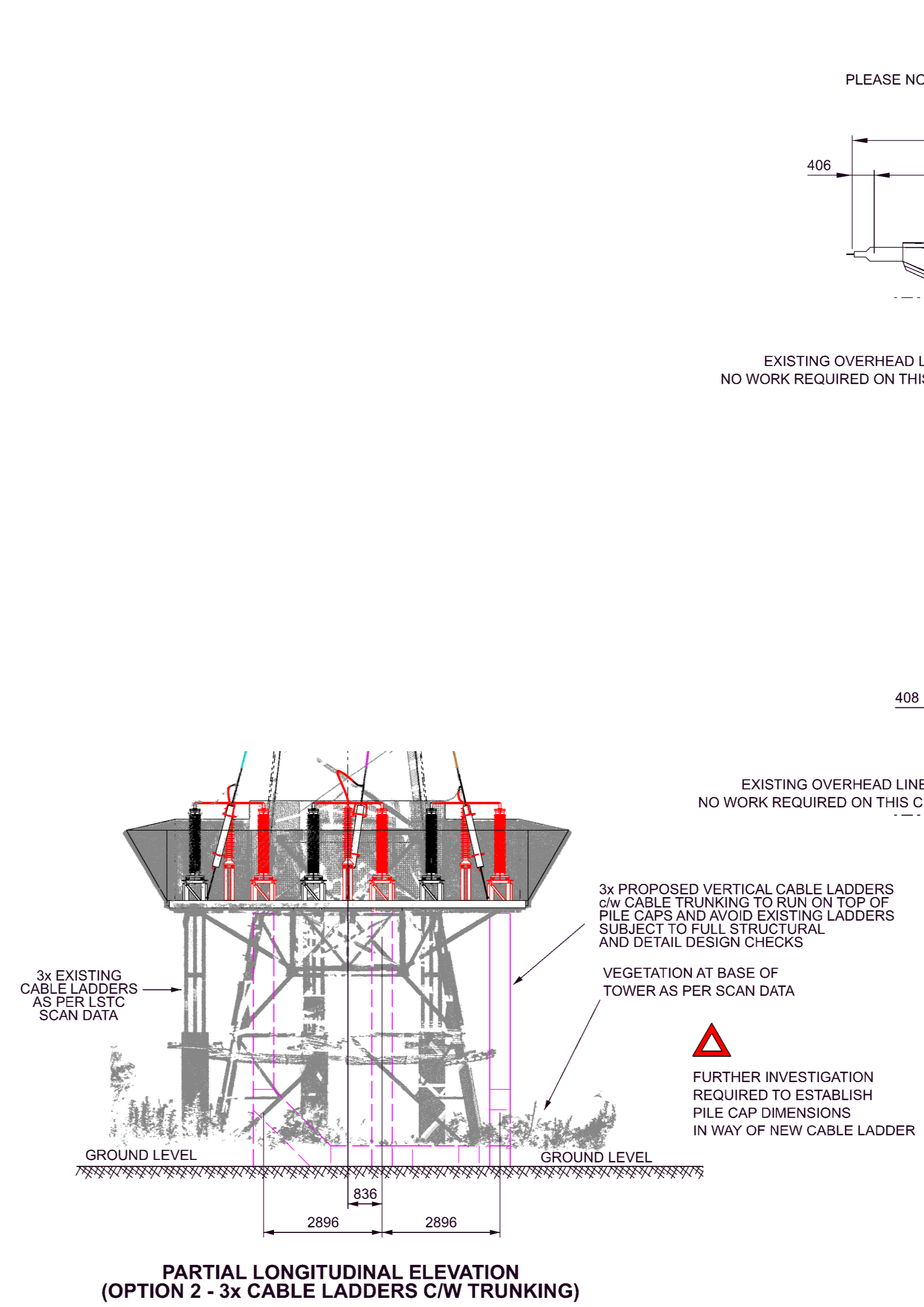


PARTIAL TRANSVERSE ELEVATION
(TRUNKING OPTION 2)

TRANSVERSE ELEVATION
(OPTION 1)



LONGITUDINAL ELEVATION
(OPTION 1 - SLOPING CABLE LADDER ARRANGEMENT)



PARTIAL LONGITUDINAL ELEVATION
(OPTION 2 - 3x CABLE LADDERS C/W TRUNKING)

REV	DATE	BY	CHKD	APP'D
A	13/10/2023	JN	RF/BC	JHC
DESCRIPTION: FIRST ISSUE				
GENERAL NOTES:				
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) U.N.O.				
2. PHASE CONDUCTOR IS T.B.C.				
3. ALL ELECTRICAL CLEARANCES CHECKED USING A TRUE 3D TOWER MODEL BASED UPON BLAW KNXX TOWER DRAWINGS FOR TOWER TYPE: L7(c) DT STD				
JE35/33161 - KEY DIAGRAM JE35/33164 - GENERAL ARRANGEMENT TOWER BODY JE35/33165 - GENERAL ARRANGEMENT CROSSARMS JE35/33167 - ERECTION DIAGRAM TOWER BODY JE35/33168 - ERECTION DIAGRAM CROSSARMS JE35/33166 - GAIED SEALING END PLATFORM				
4. EXISTING INSULATOR SET DETAILS BASED ON SITE PHOTOS WHICH ARE INDICATIVE OF TYPICAL 132kV ARRANGEMENTS.				
5. 132kV CLEARANCES IN ACCORDANCE WITH ENATS 43-125: MINIMUM PHASE TO EARTH: 1220mm IN STILL AIR 760mm JUMPERS SWING UP TO 20° FROM VERTICAL MINIMUM PHASE TO PHASE (BETWEEN DOWNLEADS): 2500mm IN STILL AIR 1500mm ON CONSIDERATION OF SWUNG CONDITIONS MINIMUM PHASE TO PHASE (AT THE SUPPORT): 1350mm IN STILL AIR 840mm ON CONSIDERATION OF SWUNG CONDITIONS				
6. TOWER ORIENTATION AND INCOMING/OUTGOING CONDUCTOR ANGLES TAKEN FROM LSTC SURVEY DATA (3D POINT CLOUD).				
7. CLEARANCES ARE THEORETICAL AS DETERMINED FROM THE CAD MODEL. MINIMUM CLEARANCES MUST BE CONFIRMED AT THE POINT OF INSTALLATION BY THE APPOINTED CONTRACTOR.				
KEY				
TE EXISTING TENSION SET				
UE EXISTING UPRIGHT LOW DUTY TENSION SET				
IE EXISTING INVERTED LOW DUTY TENSION SET				
SEE EXISTING SEALING END				
SE NEW SEALING END				
SA NEW SURGE ARRESTER				
CLE EXISTING CABLE LADDER				
CL NEW CABLE LADDER				
CDM RESIDUAL RISK				
<input type="checkbox"/> DESIGN BASED HAZARDS ARE ACTIVELY ELIMINATED WHERE PRACTICAL. WHERE HAZARDS ARE NOT ELIMINATED THEY ARE IDENTIFIED BY THIS SYMBOL.				
<input type="checkbox"/> HAZARDS / RISKS THAT SHOULD BE CONSIDERED BY A COMPETENT CONTRACTOR ARE NOT IDENTIFIED.				
IF IN DOUBT ASK ENGINEER / DESIGN OFFICE				
VIEW CONVENTION: THIRD ANGLE				
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CLIENT: nationalgrid Electricity Distribution				
PROJECT: UU18 132kV PoC				
TITLE: FEASIBILITY WIRE CLEARANCE DIAGRAM EXISTING TOWER No. UU18 (L7c DT STD HEIGHT) EASTERN SER TO ACCOMMODATE NEW SEALING ENDS AND SURGE ARRESTERS				
SCALE: 1:100 (U.N.O) DESIGNED: CM				
DATE: 13/10/2023 CHECKED: RF/DEC				
DRAWN: CM/JN APPROVED: JHC				
LSTC GROUP				
ORIGINAL DRAWING NUMBER: 17_230655_03				
REV: A				