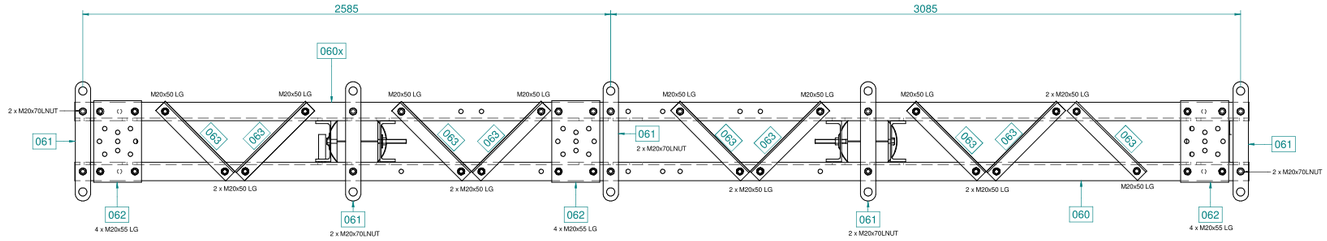
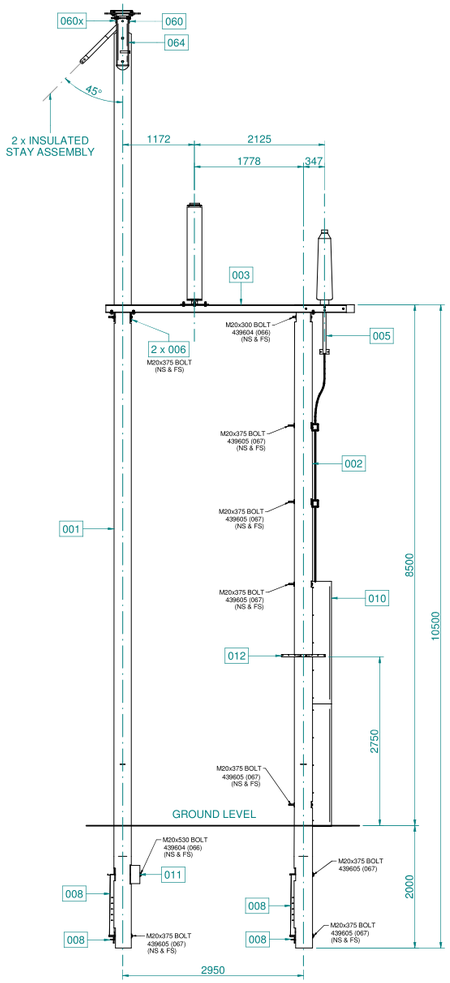
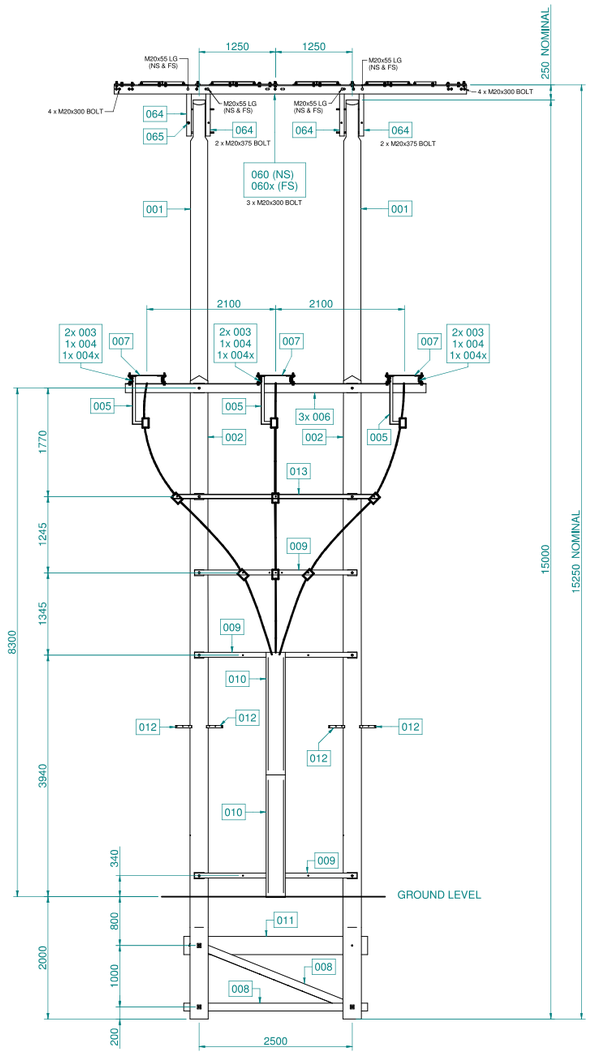


PLAN VIEW ON TOP CROSSARM
(Scale 1:15)

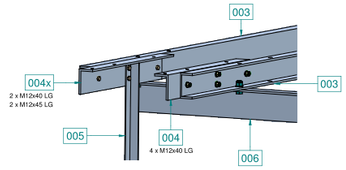


LONGITUDINAL ELEVATION

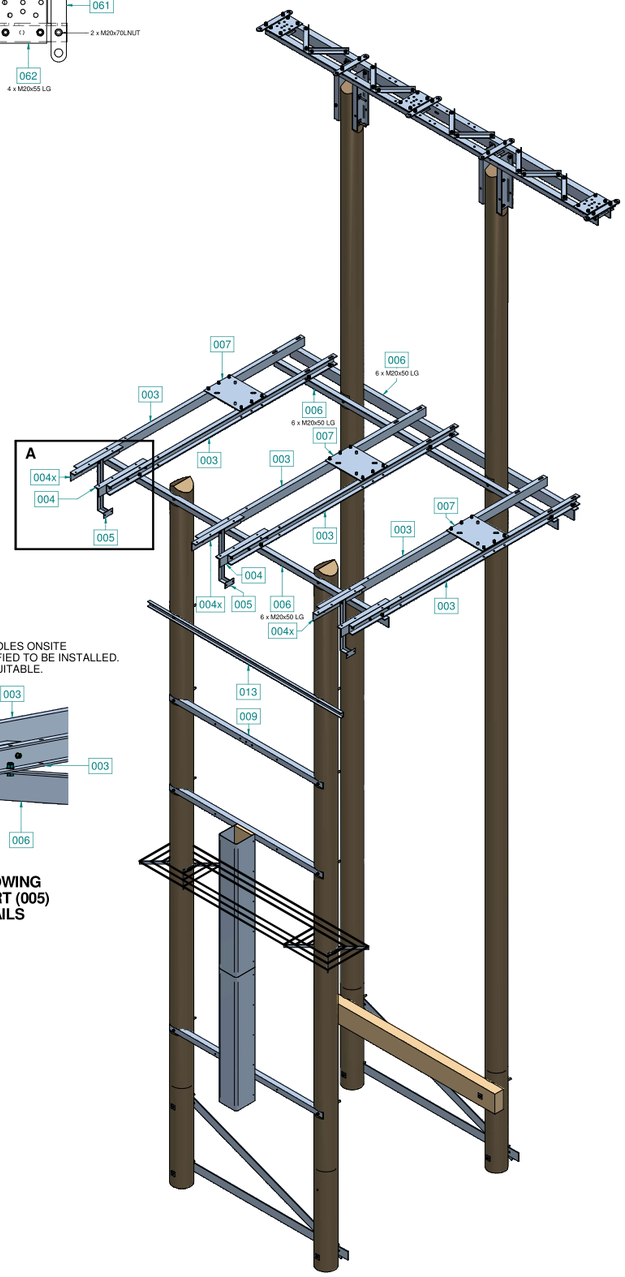


TRANSVERSE ELEVATION
(EQUIPMENT HIDDEN FOR CLARITY)

TO AVOID REAMING OUT OF HOLES ONSITE
M12 BOLTS HAVE BEEN SPECIFIED TO BE INSTALLED.
CONTRACTOR TO ADVISE IF SUITABLE.



DETAIL 'A'
ENLARGED VIEW SHOWING
CABLE CLEAT SUPPORT (005)
CONNECTION DETAILS



ISOMETRIC VIEW
(OHL INCOMING LINES & EQUIPMENT OMITTED FOR CLARITY)

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) U.N.O.
2. MATERIAL :

   FABRICATION AND ERECTION OF ALL STEELWORK TO BE IN ACCORDANCE WITH NGED STANDARDS, ENATS 43-40 ISSUE 3, 2022 AND ENATS 43-95, ISSUE 6, 2021

   STEELWORK TO BE IN ACCORDANCE WITH BS EN 10025
3. METRIC BOLT SETS IN ACCORDANCE WITH ENATS 43-96 TO BS EN ISO 898-1 (GALVANISED)

   - HIGH TENSILE BOLT SETS c/w PALNUTS
     (Comprising of the following:)
     1 x BOLT (Grade 8.8)
     1 x FULL HEX HEAD NUT (Grade 8)
     1 x 4mm THICK WASHER
     1 x PALNUT

   - HIGH TENSILE BOLT SETS c/w LOCKNUTS
     (Comprising of the following:)
     1 x BOLT (Grade 8.8)
     1 x FULL HEX HEAD NUT (Grade 8)
     1 x LOCKNUT (Grade 8)
     1 x 4mm THICK WASHER
6. ALL BARS TO BE CLEARLY STAMPED WITH ERECTION MARKS FOR SITE ERECTION.
7. ALL PARTS TO BE GALVANISED - BS EN ISO 1461.

   MEAN COATING THICKNESS : 85 MICRONS
   MINIMUM LOCAL COATING THICKNESS : 70 MICRONS
8. COACH SCREWS TO BE IN ACCORDANCE WITH ENATS 43-96.
9. CONDUCTOR TYPE: UPAS 300mm² AAAC.
10. STAY INSULATOR/WIRE IN ACCORDANCE WITH ENATS 43-91 .
11. STAY TYPE : 2 No. 7 / 4.00 1150 GRADE.
12. CONTRACTOR TO CONFIRM SOIL CONDITIONS & FOUNDATION SUITABILITY PRIOR TO INSTALLATION.
13. G.A. TO BE USED IN CONJUNCTION WITH THE FOLLOWING:

    MATERIAL LIST: 19_255307_17

    PIECE SMALL DETAILS 18_255307_18

    WIRE CLEARANCE DRAWING: 17_255307_03
14. USE IN CONJUNCTION WITH NGED SPECIFICATION DOCUMENTS OH4B & ENATS 43-50
15. FOR THE PURPOSE OF SAFETY, TOP CROSSARM HORIZONTAL PLAN MEMBERS CONNECTED BY BOLTS IN THE VERTICAL PLANE, SHALL BE FITTED WITH NUTS ON THE TOP SIDE IN ACCORDANCE WITH NGTS 3.4.14.
16. ACD TO BE AS PER NGED SPECIFICATION.

WARNING: DRAWING MAY BE REDUCED BY DESIGNER WHEN PLOTTED OR PRINTED. DO NOT SCALE.

REV	DATE	CHKD	REV	DATE	CHKD	REV	DATE	CHKD	REV	DATE	CHKD
A	13/02/2026	JN									
	DRN AJB	APPD IA		DRN	APPD		DRN	APPD		DRN	APPD
FIRST ISSUE											

CDM RESIDUAL RISK

- ☐ DESIGN BASED HAZARDS ARE ACTIVELY ELIMINATED WHERE PRACTICAL. WHERE HAZARDS ARE NOT ELIMINATED THEY ARE IDENTIFIED BY THIS SYMBOL.
- ☐ HAZARDS / RISKS THAT SHOULD BE CONSIDERED BY A COMPETENT CONTRACTOR ARE NOT IDENTIFIED

DESIGN NOTE

- ☐ FOCAL POINT OF DESIGN (EG. NEW STEELWORK, ADDITIONAL LINKS, ETC...) ARE IDENTIFIED BY THIS SYMBOL.

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SCALE	SIZE
1:50 U.N.O	A1

IF IN DOUBT ASK ENGINEER / DESIGN OFFICE

VIEW CONVENTION THIRD ANGLE

CLIENT: nationalgrid Electricity Distribution

PROJECT NAME: STOCK LANE BESS 132kV POC

TITLE: BESPOKE 4 POLE CABLE TERMINATION STRUCTURE (BASED ON ENATS 435015) C/W MODIFIED STRAIGHT CROSSARM

DRAFT		LSTC DRAWING NUMBER	15_255307_16	Sheet No: 1 of 1
FOR APPROVAL	X			RevNo: A
FOR CONSTRUCTION		CLIENT DRAWING NUMBER	--	
AS BUILT				

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