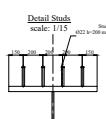
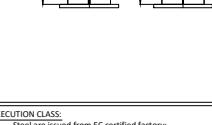
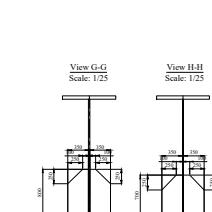
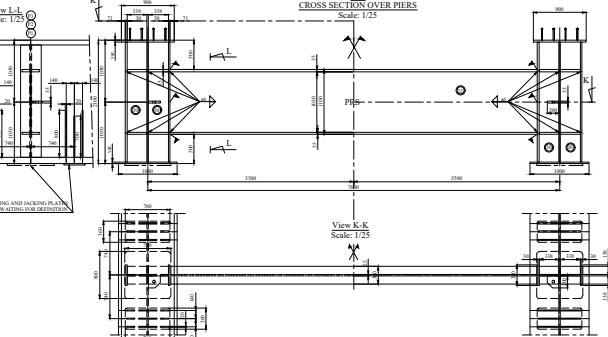
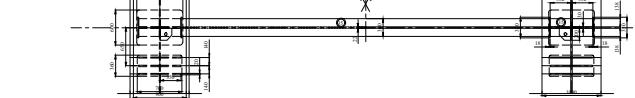
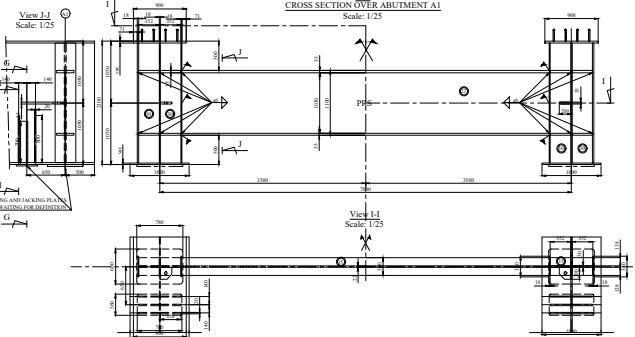
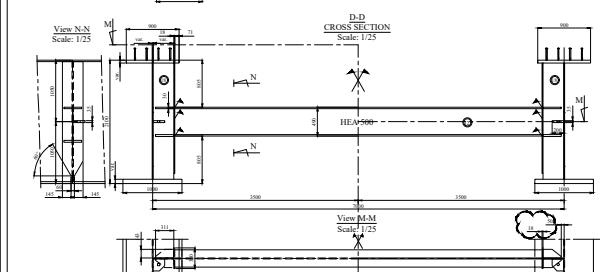
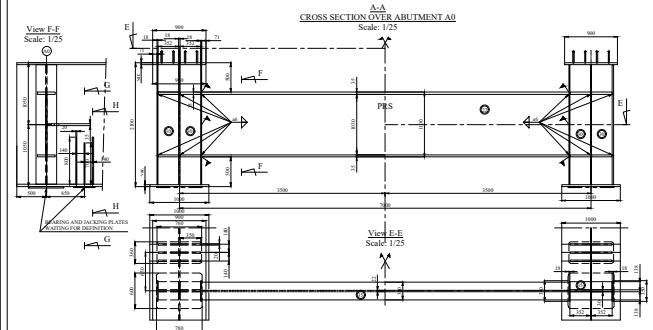
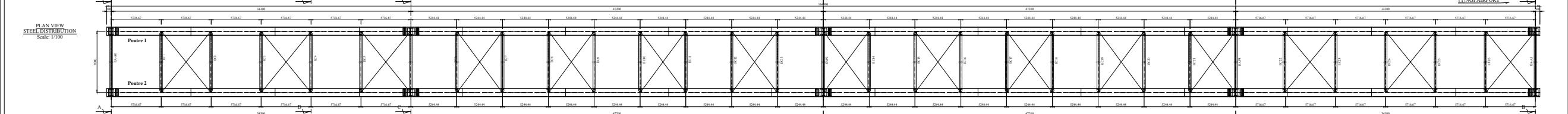


TOP FLANGE	Size	9630*900 sp. 30	9630*900 sp. 40	9640*900 sp. 45	11800*900 sp. 55	11800*900 sp. 40	11800*900 sp. 45	11800*900 sp. 55	11800*900 sp. 45	11800*900 sp. 40	11800*900 sp. 45	11800*900 sp. 55	9640*900 sp. 45	9630*900 sp. 40	9630*900 sp. 30	
	Steel grade	S355 K2+N	S355 N	S355 N	S355 N	S355 N	S355 N	S355 N	S355 N	S355 N	S355 N	S355 N	S355 K2+N	S355 N	S355 K2+N	
WEB	Size	9630*2040 sp. 18	9630*2040 sp. 18	9640*2040 sp. 18	11800*1985 sp. 18	11800*2005 sp. 18	11800*1975 sp. 22	11800*1995 sp. 18	11800*1975 sp. 22	11800*2005 sp. 18	11800*2020 sp. 18	11800*1995 sp. 22	11800*2005 sp. 18	9640*2040 sp. 18	9630*2040 sp. 18	9630*2040 sp. 18
BOTTOM FLANGE	Steel grade	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N	S355 K2+N

CROSS BEAM Type PRS HEA 500 HEA 500 HEA 500 HEA 500 PRS HEA 500 HEA 500 HEA 500 HEA 500 PRS HEA 500 HEA 500 HEA 500 HEA 500 PRS HEA 500 HEA 500 HEA 500 HEA 500 PRS HEA 500 HEA 500 HEA 500 PRS HEA 500 HEA 500 HEA 500 PRS

DISTRIBUTION CONNECTORS Division long: 500 - spacing 125 5770 - spacing 375 17500 - spacing 500 16500 - spacing 250 375 - spacing 175 19000 - spacing 500 28250 - spacing 250 19000 - spacing 500 175 - spacing 175 19000 - spacing 500 16500 - spacing 250 6770 - spacing 375 16000 - spacing 500 5750 - spacing 125 500 - spacing 250

PLAN VIEW STEEL DISTRIBUTION Scale: 1/100



GOVERNMENT OF SIERRA LEONE
Sierra Leone Road Authority
Project : REHABILITATION OF THE MOYAMBA-MOYAMBA JUNCTION ROAD AND CONSTRUCTION OF BRIDGES

MAGBELE Bridge
Steel distribution

FUNDED BY
 EUROPEAN UNION

CONSULTANT

CONTRACTOR

EXECUTION CLASS:
- Steel are issued from EC certified factory;
- EXC4 for the metal sheets;
- EXC3 for the steel profiles.

STEEL GRADE AND QUALITY:
Steel grade S355K2+N (EN 10025-2).

STEEL 355:
- es30mm: S355K2+N (EN 10025-2);
- 300x80mm: S355N (EN 10025-3);
- 300x80mm: S355M (EN 10025-3);
Steel profiles: S355K2+N (EN 10025-2);
Studs S737 (355 quality 2G3).

NOTA:
After the use of the precamber, the end of the main girder and the crossbeams over bearings are perpendicular. Moreover, the standard crossbeams and the top flange of the main girder are perpendicular.

FILLET WELDS:
The effective throat thickness is 5 mm unless contraindicated. Fillet welds are continuous and all round.

DRAWING:
Dimensions and measurements are in millimeter.

G	C	30/01/2019	longitudinal slope	M.MORANGE	N.RATEL	M.ESPARRA
B	28/01/2019	Transverse elements	M.MORANGE	N.RATEL	M.ESPARRA	
A	08/01/2019	Transverse elements	M.MORANGE	N.RATEL	M.ESPARRA	
I	Date	Modification	Approved by	Verifier by	Approved by	
M	A G S L A N I S C	Index	Document	Number	Revision	Status