



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES.
 2. GRADE OF STEEL
 - ALL ANGLES & PLATES SHALL BE OF STEEL GRADE E250B (Fe 410W) CONFORMING TO IS:2062-2006.
 3. ALL DIMENSIONS, MEMBER LENGTHS, GUSSETS SIZES SHALL BE CHECKED ON ACTUAL LAYOUT.
 4. ALL RIVETS SHALL BE 24 DIA. HTS (CONFORMING TO IS:1149) IN 25.5 DIA HOLE UNO.
 5. ALL BOLTS SHALL BE 24 DIA. 8.8 GRADE HIGH STRENGTH CONFORMING TO IS:3757 UNO.
 6. ALL FILLET WELDS SHALL BE OF MINIMUM LEG SIZE 8mm, UNLESS SPECIFIED OTHERWISE.
 7. AUTOMATIC SUBMERGED ARC WELDING SHOULD BE EMPLOYED FOR FLANGE TO WEB FILLET WELDS. OTHER WELDS ALSO TO BE MADE BY SUBMERGED ARC OR 200 WELDING PROCESS TO THE MAXIMUM EXTENT POSSIBLE AS APPROVED BY ENGINEER.
 8. SURFACE PREPARATION AND PAINTING SHALL BE AS PER N.I.T.
 9. FABRICATION TO BE DONE AS PER IRS-B1-2001 & IRS WELDED BRIDGE CODE.
 10. ERECTION MARKS SHOWN THUS: (1) (2) ETC.
 11. ITEM MARKS SHOWN THUS: (1) (2) ETC.
 12. THIS DRG. IS TO BE READ IN CONJUNCTION WITH RELEVANT BBU'S DRG.NOS. 2132/31.5M/026 & 027
 13. THIS DRG. IS PREPARED BASED ON LTR'S DRG. NOS. DDB001, DDB002, DDB004, DDB023
 14. FOR GENERAL NOTES REFER LTR'S DRG. NO. DDB001.
 15. THIS DRG. IS PREPARED BASED ON LTR'S DRG. NOS. DDB008, DDB009, DDB010, DDB034, DDB035 & DDB014, DDB015, DDB020 CONSIDERING INCREASED DEPTH OF CHORD SECTION AS AGREED BY CE(CON)/GB BASED ON BBU'S PROPOSAL WIDE LETTER NO. DGM(D)/AKS/DRG/O-2132 DT. 03.07.2013

DESCRIPTION	RIVETS
SNAP HEAD RIVETS	+
C.S.K. ON FAR SIDE	*
C.S.K. ON NEAR SIDE	*
C.S.K. ON BOTH SIDE	*
BOLTS	⊕
TURNUED & FITTED BOLTS	⊕
OPEN HOLE FOR SITE RIVETS	⊕

CLIENT :	EAST CENTRAL RAILWAY (CONSTRUCTION DIVISION)		
CLIENT'S CONSULTANT :	L & T-RAMBØLL CONSULTING ENGINEERS LIMITED.		
CONTRACTOR :	THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED. KOLKATA		
PROJECT :	RAIL CUM ROAD BRIDGE ACROSS RIVER GANGA AT MUNGER, BRIDGE NO. 17 AT KM 11/228.92 (MAIN BRIDGE) (25T LOADING STANDARD-2008)		
SCALE :	DATE :	DRAWN :	CHECKED :
1:200	24.07.13	S.K.G	S.K.R
1:15:1:10			
CONTRACTOR'S DRAWING NUMBER :	2132/31.5M/028		
DRAWING NUMBER :	2009-10/J-424/ST-028		
CONTRACTOR'S DETAILING CONSULTANT :	CDC CONSULTING DESIGN ENGG. CENTRE (P) LTD.		
12, LAKE WEST ROAD, SANTOSHPUR, KOLKATA - 700 075.			

CDC CONSULTING DESIGN ENGG. CENTRE (P) LTD.	THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED.	EAST CENTRAL RAILWAY	4						
			3	18.02.14	REVISED AS PER STUP COMMENTS & AS MKD. (1)	S.K.G	S.K.R	P.G	
			2	06.01.14	REVISED AS PER L & T-RAMBØLL'S LETTER NOS. LTR-COBS3504-149 & 150-LDHS NOV. 28.2013 & AS MKD. (1)	S.K.G	S.K.R	P.G	
			1	01.11.13	REVISED AS PER BBU COMMENTS & AS MKD. (1)	S.K.G	S.K.R	P.G	
D.G.M. DESIGN (STRUCTURE)	AEN/XEN/CON/MGB	DY. C.E./CON/MGB	REV.	DATE	DESCRIPTION	BY	CHK.	APD.	