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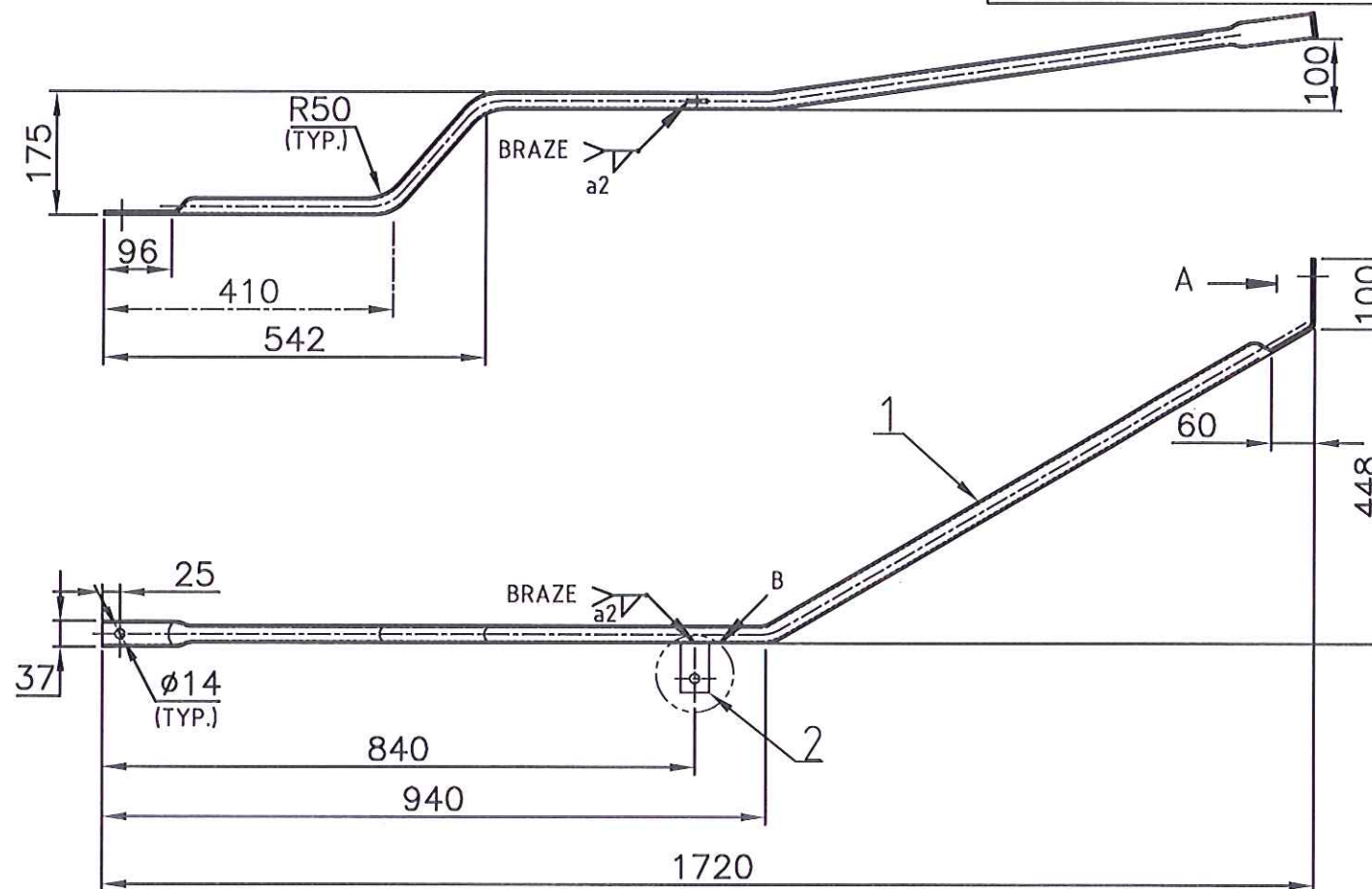
GRADE No.	VALUE	SYMBOL
N1	0.025	
N2	0.05	
N3	0.1	
N4	0.2	
N5	0.4	
N6	0.8	
N7	1.6	
N8	3.2	
N9	6.3	
N10	12.5	
N11	25	
N12	50	

ALT. NO.	ECN NO/CHANGES	DATE	BY	CHKD	APPD






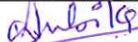
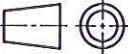



NOTE:

- 1). DETAIL 1 SHALL BE ELECTROLYTIC TIGHT PITCH COPPER TUBE 25MM OD X 3 MM WALL THICKNESS, GRADE: CU-ETP (HALF HARD CONDITION-HB) TO SPEC IS:2501-95 MATERIAL CONFIRMING TO GRADE ETP OF IS:191-80 (PART 1)
- 2). DETAIL 2 SHALL BE COPPER STRIP t=5mm GRADE: CU-ETP (HALF HARD CONDITION-HB) TO SPEC IS:2501-95 MATERIAL CONFIRMING TO GRADE ETP OF IS:191-80 (PART 1)
- 3). THE CONDUCTOR TO BE TIN PLATED TO IS-1359-92 SERVICE GRADE NO.3 (SEVERE)
- 4). SUPPLIER SHALL SUBMIT THE TEST CERTIFICATE OF GRADE OF COPPER AS PER IS:191-80 (PART 5)

MACHINING DEVIATIONS FOR LINEAR DIMENSIONS	RANGE	0 - 6	6 - 30	30 - 120	120 - 315	315-1000	1000-2000	2000-4000	ABOVE 4000	RA
	TOLERANCE	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±3	~
FOR DIMENSIONAL TOLERANCES OF SHEET METAL PARTS AND WELDED STRUCTURES, REFER STD. RD-227										
UNSPECIFIED TOLERANCE FOR LINEAR AND ANGULAR DIMENSIONS REF. IS 2102 (PT-1) (MEDIUM)								QUALITY OF WELD JOINTS REF. RD 230 MEDIUM		
VALUES OF SURFACE TEXTURE SHALL BE AS PER COMPANY STD DS. 1012.C.								STATUS:		
WELDING SHALL BE CARRIED OUT AS PER IS: 9595-96										



UNCONTROLLED COPY

2	1					COPPER STRIP	70X40X5	SEE NOTE 2															
1	1					ETP GRADE COPPER TUBE	Dia25x2200	SEE NOTE 1															
SL.No.	QTY	PART / STOCK No.				DESCRIPTION		SIZE		COMPANY STD./I.S	Wt. (Kg)												
MATERIAL																							
						PRODUCT	DMRC 8 CARS																
						REF DRG	ETP01118																
						MATERIAL																	
						HEAT TREAT.		APPD			11/7/16												
						SURFACE TREAT.		REVD															
						TITLE	CHKD				11/7/16												
						CONDUCTOR PANTO-VCB		DRWN			11/7/16												
								SCALE		SHEET	Wt.(Kg)												
								NTS		1 OF 1	0												
ALT.NO.								ECN NO/CHANGES		DATE	BY	CHKD	APPD			BEML LIMITED		DRG No.		909-21634		ALT	
																							





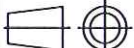
- 1) COPPER CONDUCTOR BRACKET t=4mm  
GRADE: CU-ETP (HALF HARD CONDITION-HB) TO SPEC IS 2501-95 MATERIAL  
CONFIRMING TO GRADE ETP OF IS:191-80(PART-1)
- 2) CONDUCTOR TO BE TIN PLATED TO IS-1359-92 SERVICE GRADE NO.3
- 3) SUPPLIER SHALL SUBMIT THE TEST CERTIFICATE OF GRADE OF COPPER  
AS PER IS:191-80(PART5)

CONDUCTOR BRACKET  
CABLE HEAD



**bentley**  
NEW FRONTIERS. NEW DOCKS.

BEML LIMITED

APPD	<i>SLM</i>	11/3/2016
REVD	<i>[Signature]</i>	11/7/2016
CHKD	<i>[Signature]</i>	11/7/16
DRWN	<i>calubis</i>	11/7/16
SCALE		SHEET Wt.(Kg)
NTS	1 OF 1	0
DRG No.		ALT
909-21636		