

Signature Not  
Verified

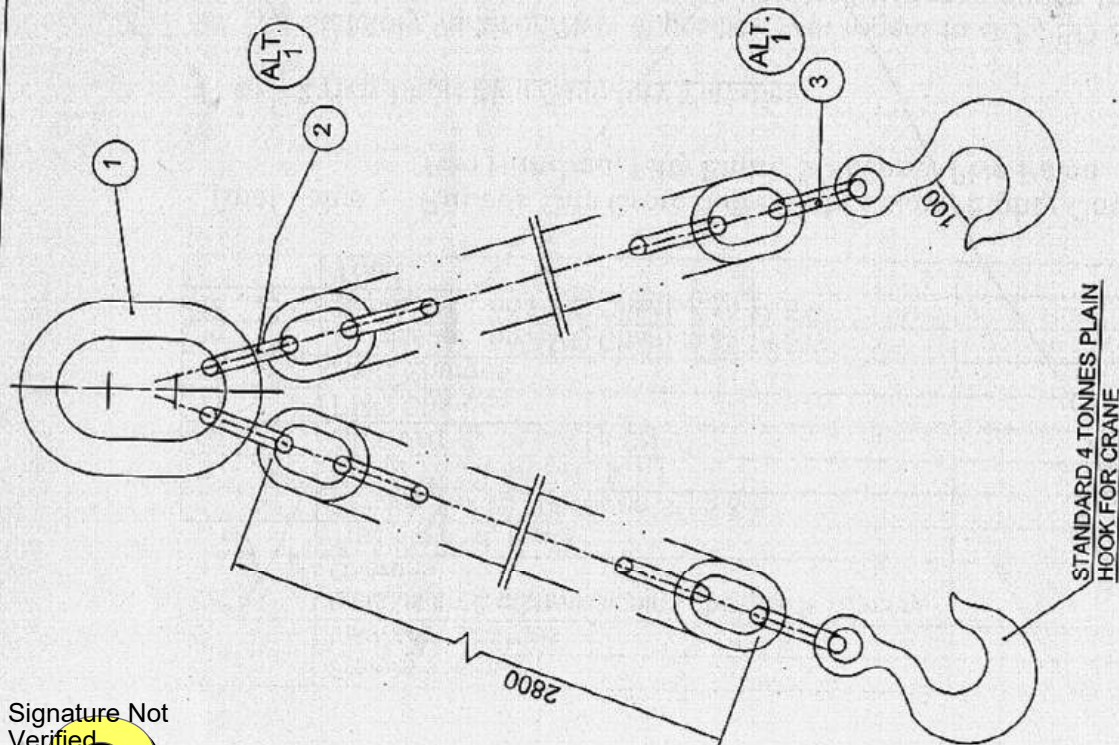
Digitally signed by  
SANJIB KUMAR ROY

Date: 2023.11.03

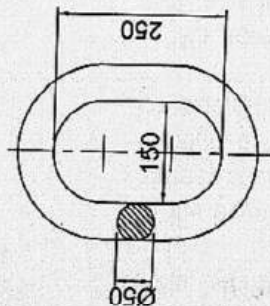
16:47:48 +05'30'

Reason: IRIS-PS-CRIS

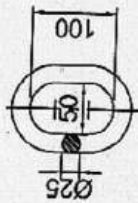
Location: New Delhi



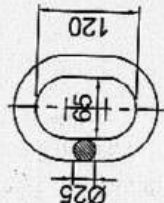
ALT.NO.	DESCRIPTION	DATE	SIG.OF SE/J&T	SIG.OF APE	REMARKS
①	DET.NO.- 2 & 3 ADDED IN DRG.	14-3-07.	Sd/-	Sd/-	AS PER SSE/H'S LETTER NO.- H7/04/CRANE DT.-08-08-07.



DET.NO.- 1.



DET.NO.- 3.



DET.NO.- 2.

**SPECIFICATION -**

M.S. ELECTRICALLY WELDED SHORT LINK CHAINS  
AS PER I.S. NO. - 2429 Pt- 1. GRADE - 30 OF 1970 .

NECESSARY TEST CERTIFICATE SHOULD BE FURNISHED  
ALONG WITH THE SUPPLY .

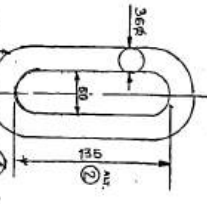
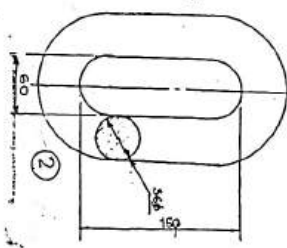
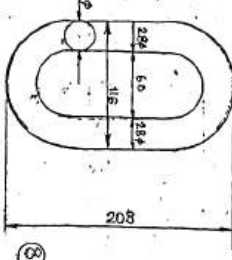
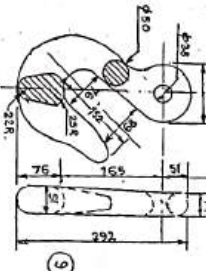
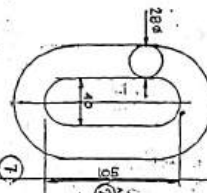
MATERIAL & TREATMENT TO SUIT REQUIREMENT FOR USE  
WITH E.O.T. CRANE OF 20,15 & 6 t. CAPACITY IN MR - SHOP.

**RE-TRACED**

JIG & TOOL DESIGN OFFICE MECH: DEPT: E. RLY. LILUAH.					TOOL SYMBOL & NO.
Sd/-		DESCRIPTION - GUIDING DIMENSIONS FOR DOUBLE LEGGED SLING CHAIN WITH CENTRE RING & HOOK CAP. EACH LEG 3.77 t. TOTAL CAP - 7.54 t. UNDER NORMAL WORKING CONDITION .			PART NO. -
W.M. ( M & P )	JAN. 1987.	DATE -	CD/J&T.-	Sd/-	GROUP -
CHKR -	Sd/-	CD/J&T.-	CD/J&T.-	Sd/-	EQUIPMENTS
TCR -	Sd/-	CD/J&T.-	CD/J&T.-	Sd/-	MACHINING SYMBOLS
DGR -	Sd/-	CD/J&T.-	CD/J&T.-	Sd/-	SCALE
					DRG. NO. 37 409

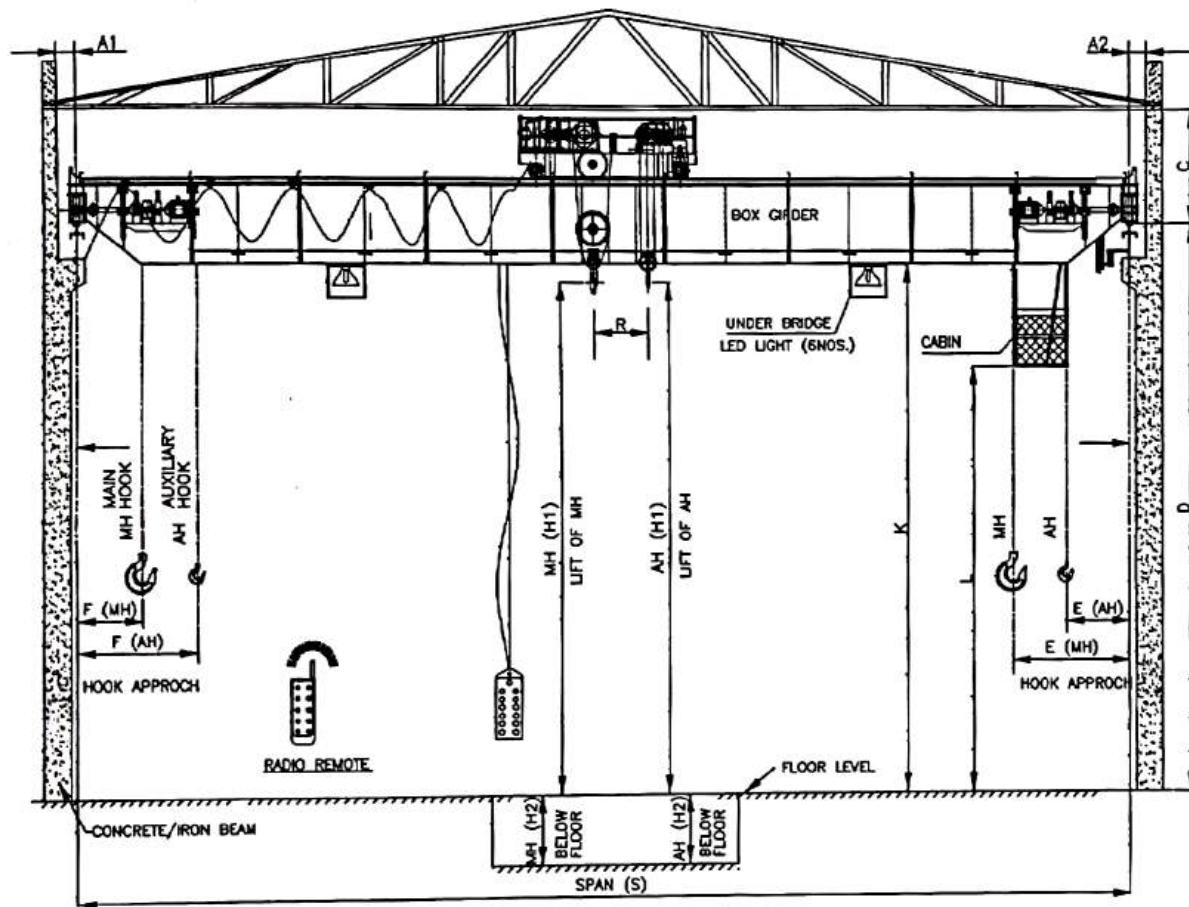


1. NECESSARY PROOF LOAD TEST CERTIFICATE TO BE FURNISHED.  
2. ROUND STEEL SHORT LINK CHAIN (ELECTRIC BUTT WELDED, GRADE 40 TO 532) (90-185). MACHINE PLASMA BUTT WELDING QUALITY TO BE CONFIRMED AS PER IS 9589-1980.  
3. SHORT LINK CHAIN TO BE INSPECTED FOR ACCEPTANCE AS PER IS 616-1982 AND RADIOGRAPHIC EXAMINATION OF BUTT WELDING TO BE DONE AS PER IS 8122-1983.  
ALL TEST CERTIFICATES TO BE FURNISHED.

[illegible]

MATCM5

NO. 1	DESCRIPTION - LIFTING MACHINE FOR (CAR-10 TON)
DATE - JULY 67	COMPONENT - 10 TON ELECTRIC CRANE
QTY - 50	GROUP - EQUIPMENTS
Q/R - 30/	M/C SYMBOL
D/N - 30/	



Signature Not  
Verified

Digitally signed by  
SANJIB KUMAR ROY  
Date: 2023.11.03  
16:47:07 +05'30'  
Reason: I am PS-CRIS  
Location: New Delhi

## Important Parameters of EOT Crane

Sl No	Description	
1	Weight/unit length of Gantry Rails (Note: Supply & laying of rails is not in scope of supplier)	52 Kg
2	Rail head width of Gantry Rails (Ref: Appended Note item v)	B: 0.067 M
3	a. Span (Centre to Centre of Gantry Rail)	S: 11.580 M
	b. Gauge (Inner face to Inner face of Rail) $I=(S-B)$ :	11.513 M
4	Top of Gantry Rail (or bottom flange of I-Beam (in case of underslung crane) to lowest overhead obstruction	C: 2.600 M
5	Top of Gantry Rail (or bottom flange of I Beam (in case of underslung crane) to floor level	D: 7.55 M
6	Lift of hook above floor level (MH)	H1(MH): 7.10 M
7	Drop of hook below floor (MH)	H2(MH): 1.0 M
8	Lift of hook above floor level (AH)	H1(AH): NA
9	Drop of hook below floor (AH)	H2(AH): NA
10	Centre distance between hooks of MH & AH	R: NA
11	Side clearance from center line of gantry rail/I-beam to nearest side obstruction	A1: 0.205 M
12	Side clearance from center line of gantry rail/I-beam to nearest side obstruction	A2: 0.205 M
13	Vertical clearance from floor level to lowest structural member of crane (Ref: Appended Note item vii)	K: 7.41 M
14	Vertical clearance from floor level to bottom of cabin (Ref: Appended Note item viii)	L: 5.7 M
15	Hook approach to center line of gantry rail (Cabin end) and Hook approach to centre line of gantry rail (at other end), dimensions E (MH) / E (AH) and F (MH) / F(AH)	NA

### INDIAN RAILWAYS

#### CENTRAL ORGANIZATION FOR MODERNIZATION OF WORKSHOP

SPEC: REF: C0FM0W/IR/EOTC/X/Y/Z/1-2020

DESIGNED

CHECKED

APPROVED

REF: 153177:1999

OVERHEAD TRAVELLING CRANE  
CLEARANCE DIAGRAM

SCALE

NTS