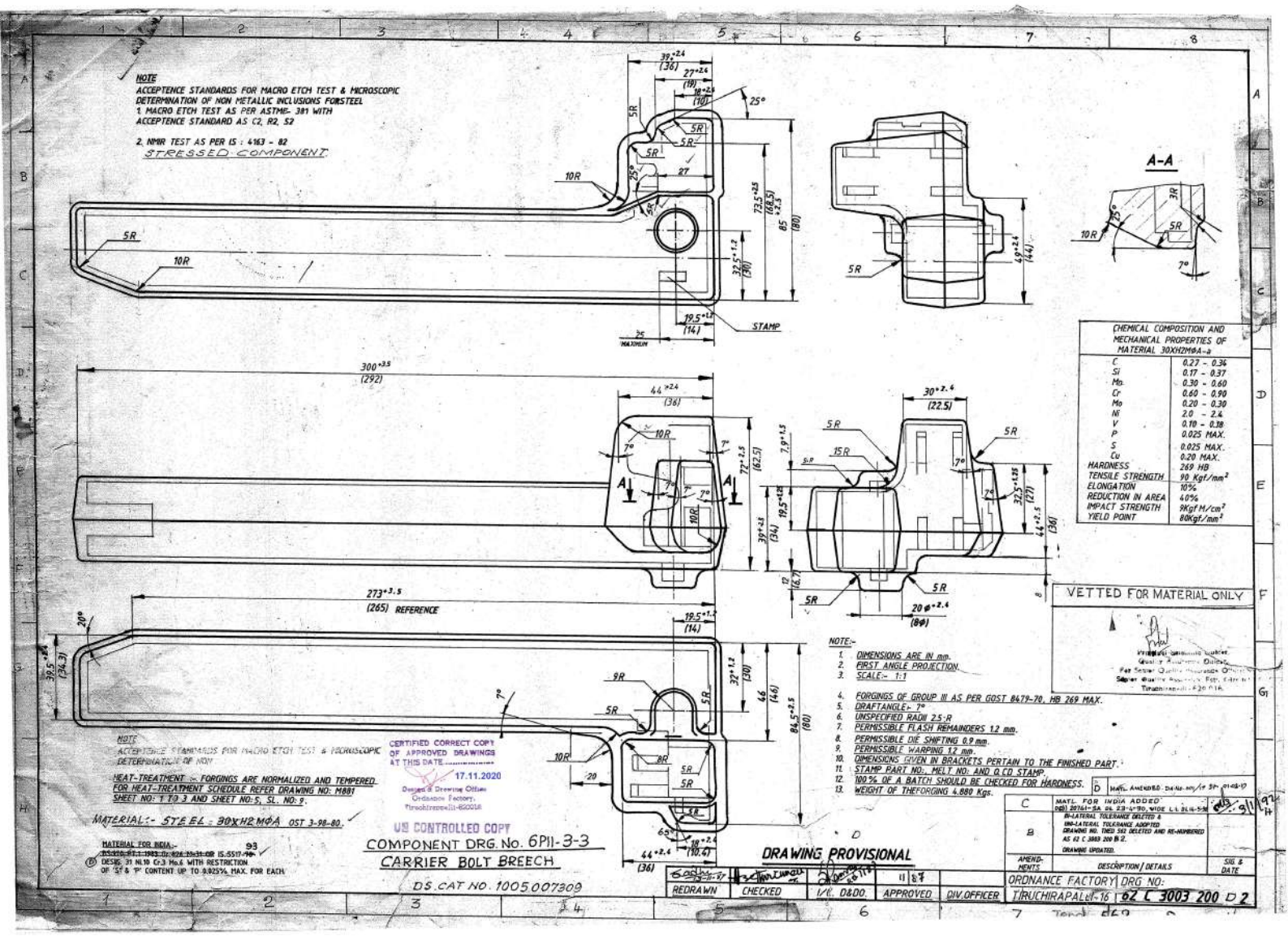

CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES OF MATERIAL 30XH2MØA-a	
C	0.27 - 0.34
Si	0.17 - 0.37
Mn	0.30 - 0.60
Cr	0.60 - 0.90
Mo	0.20 - 0.30
Ni	2.0 - 2.4
V	0.10 - 0.18
P	0.025 MAX.
S	0.025 MAX.
Cu	0.20 MAX.
HARDNESS	269 HB
TENSILE STRENGTH	90 Kgf/mm²
ELONGATION	10%
REDUCTION IN AREA	40%
IMPACT STRENGTH	9Kgf M/cm²
YIELD POINT	80Kgf/mm²

VETTED FOR MATERIAL ONLY

NOTE:-
1. DIMENSIONS ARE IN mm.
2. FIRST ANGLE PROJECTION.
3. SCALE:- 1:1
4. FORGINGS OF GROUP III AS PER GOST 8479-70, HB 269 MAX.
5. DRAFTANGLE- 7°
6. UNSPECIFIED RADII 2.5-R
7. PERMISSIBLE FLASH REMAINDERS 1.2 mm.
8. PERMISSIBLE DIE SHIFTING 0.9 mm.
9. PERMISSIBLE WARPING 1.2 mm.
10. DIMENSIONS GIVEN IN BRACKETS PERTAIN TO THE FINISHED PART.
11. STAMP PART NO:, MELT NO: AND Q.CD STAMP.
12. 100% OF A BATCH SHOULD BE CHECKED FOR HARDNESS.
13. WEIGHT OF THEFORGING 4.880 Kgs.

NOTE
ACCEPTENCE STANDARDS FOR MACRO ETCH TEST & MICROSCOPIC DETERMINATION OF NON

HEAT-TREATMENT :- FORGINGS ARE NORMALIZED AND TEMPERED. FOR HEAT-TREATMENT SCHEDULE REFER DRAWING NO: M881 SHEET NO: 1 TO 3 AND SHEET NO: 5, SL. NO: 9.

MATERIAL:- STEEL = 30XH2MØA OST 3-98-80.

MATERIAL FOR INDIA:- 93
DESIG. 31 NI.10 Cr.3 Mo.6 WITH RESTRICTION OF 'S' & 'P' CONTENT UP TO 0.025% MAX. FOR EACH

CERTIFIED CORRECT COPY OF APPROVED DRAWINGS AT THIS DATE 17.11.2020
Design & Drawing Office Ordnance Factory, Tiruchirapalli-620016

UN CONTROLLED COPY

COMPONENT DRG. No. 6P11-3-3
CARRIER BOLT BREECH
DS.CAT NO. 1005.007309

DRAWING PROVISIONAL

REDRAWN	CHECKED	I/C. D&DO.	APPROVED	DIV.OFFICER
5-11-87			11/87	

AMENDMENTS	DESCRIPTION / DETAILS	SIG & DATE
C	MATL. FOR INDIA ADDED DEB 20761-SA DL 23-4-90, WIDE L.L. 2616-5-90	3/11/92
B	BI-LATERAL TOLERANCE DELETED & UNI-LATERAL TOLERANCE ADOPTED DRAWING NO. THEO 562 DELETED AND RE-NUMBERED AS 62 C 3003 200 B 2. DRAWING UPDATED.	

ORDNANCE FACTORY TIRUCHIRAPALLI-16 | DRG NO: 62 C 3003 200 D 2