

**SPECIFICATIONS“AutomaticConveyorised Integrated Powder Coating Plant along with Pre-dip treatment Plant (On Turn Key Basis)”**

Code No. \_\_\_\_\_

Qty. – 01 Set

**Description:**

Automatic powder coating Plant with a feature of quick change of powder coating colors on various tubular frames& Sheet metal components. ( refer attached drawings )

The System is automated from loading of frame on conveyor to final coating to unloading of frame. (Refer attached schematic diagram)

Offline degreasing system.

Overhead close-loop conveyor Plant used for movement of material across stations of powder coating line.

<b>A</b>	<b>Scope of supply/work</b>	
1	Degrease &De-Rust system (Offline) for Rusted Component only	Confirm
2	Fully automatic powder coating plant withoverheadConveyorised dip pretreatment consisting:	Confirm
2.1	Dip Pre-treatment Plant with Water Drying Oven (In line to Conveyor)	Confirm
2.2	Powder Coating Booth with Guns (Automatic along with Provision of touch up guns)	Confirm
2.3	Powder Curing Oven	Confirm
2.4	Continuous Over Head Conveyor	Confirm
3	PNG piping with all accessories	Confirm
4	Electrical Panel & Cabling	Confirm
5	Installation and successful commissioning with trials	Confirm
<b>B</b>	<b>Technical Specification</b>	
<b>Sr. No.</b>	<b>Description of requirement</b>	<b>Required</b>
<b>i</b>	<b>Basics of Design</b>	
1	Product size maximum (mm)	900L x 900W x 1500H
2	Product Cutout Envelope Enclosure(mm)	1100L x 1100W x 1700H
3	Material of component to be Powder coated	MS/AL (Mild Steel tubular/Sheet,Aluminum tubular/Sheet as per drawing)
4	Weight of Product (Largest)	30 kg
5	Working Shift	2
6	Working Hours/Shift	8 hrs/Shift
7	Productivity: No. of Products/year (in no.)	360000
8	Productivity: No. of Products /Month (in no.)	30000
9	Productivity: No. of Products /shift	600/shift of 8 hours
10	Powder baking schedule	EMT 10-12 minute @ 180°C
<b>ii</b>	<b>Offline Degreasing &amp; De-Rusting System (manual with hoist dipping arrangement)- offline</b>	
	Process	6 Tank cleaning process Working Dimension
1	Tank material as follows:	
2	Degreasing	M.S. (Minimum 4 mm Thick) Size: (2350L x 1300W x2450H)

		mm
3	Water Rinse-1	M.S. (Minimum 4 mm Thick) Size: (2350L x 1300W x 2450H) mm
4	De-Rusting	SS 316 (Minimum 2.5 mm Thick) Size: (2350L x 1300W x 2450H) mm
5	Water Rinse 2	MS 4mm Thick with inside FRP Minimum 4 mm Thick Size: (2350L x 1300W x 2450H) mm
6	Water Rinse 3	MS FRP (Minimum 4 mm Thick) Size: (2350L x 1300W x 2450H) mm
7	Passivation	MS FRP (Minimum 4 mm Thick) Size: (2350L x 1300W x 2450H) mm
<b>iii</b>	<b>Tank Heating System</b>	For Degrease
1	Fuel	PNG
2	Initial Heating Time	60 minute (maximum)
3	Temperature	De-Grease: 55°C (maximum)
<b>iv</b>	<b>Accessories for Dip Pre-treatment offline Plant</b>	
1	Fume Extractor- for De-Grease (01 Set) minimum capacity	2500m <sup>3</sup> /hr , 3 Phase 415 V A.C.
2	Scrubber for De-Rusting	Confirm
3	Electrically Operated Hoist shall be capable of material movement in all tanks of offline De-greasing & De-rusting system.	01No. capacity - 1000 kg
4	<b>Basket:</b> Basket is used to transport material from one tank to another The same basket will keep small as well as large component of each product as per attached product drawings	Confirm
4.1	Material of Basket	Stainless Steel
4.2	No. Of Basket	Minimum 6 No.
4.3	Basket Size (Minimum)	(2150L x 1000Wx 1950H) mm
4.4	Weight Of Basket (Empty)	Minimum (120-140) Kg
4.5	Weight Of Basket (With Component)	Minimum 250 Kg
5	<b>Air agitator for De-Rusting System:</b> Agitator is consisting of 02 set of blowers connected parallaly which is comprised of suction with filters & distribution ducting/piping through all pre-treatment tanks. (One blower will work at a time).	Twin-lobeBlower motor Capacity: (3 H.P.,200 m <sup>3</sup> /hr) (Minimum) each
<b>v</b>	<b>Pre-treatment Process (automatic with conveyorised dipping arrangement)- Inline</b>	
	Process	6 Tanks cleaning process Working Dimension
	Tank Material as follows:	
1	KOD (Knock Off Degreasing)	MS- 4 mm (Minimum)

		Size: (15345L x 1400W x 1925H) mm
2	Degrease	MS- 4 mm (Minimum) Size: (Size: 15345L x 1400W x 1925H) mm
3	Water Rinse 1	MS- 4 mm (Minimum) Size: (12845L x 1400W x 1925H) mm
4	Water Rinse 2	MS- 4 mm (Minimum) Size: (12845L x 1400W x 1925H) mm
5	DM Rinse 1	SS 304 (Minimum 2.5 mm Thick) Size: (12845L x 1400W x 1925H) mm
6	NANO Coating	SS 304 (Minimum 2.5 mm Thick) Size: (15345L x 1400W x 1925H) mm
7	DM Rinse 2	SS 304 (Minimum 4 mm Thick) Size: (12845L x 1400W x 1925H) mm
<b>8</b>	<b>Air Blow Zone</b>	After DM Rinse 2
8.1	Description	To blow off extra water from component it is provided after all tanks with suitable capacity blower.
8.2	Air Blow off Zone blower capacity (minimum)	3 H.P. 1400 rpm, 6000 m <sup>3</sup> /hr
8.3	Each Article travel time	0.5-1 Minute @ 2.5 meter/ min conveyor speed.
9	The tanks should have water inlets, overflow connection and drain connections with valves and pipes along with pipes/ducts to blow air to all tanks of appropriate quality and length.	Confirm
9.1	Tank Valve Size	
1	Inlet Water (in mm)	50 NB (minimum)
2	Drain Water (in mm)	100 NB (minimum)
<b>vi</b>	<b>Tank Heating System</b>	For KOD, Degrease & cleaning from side of tank
1	Fuel arrangement	PNG with suitable burner
2	Initial Heating Time	60 Minute.
3	Temperature	55°C max.
<b>vii</b>	<b>Accessories for Pretreatment- Inline</b>	
1	<b>Air agitator:</b> Agitator is consisting of blower which is comprised of suction box with filters & distribution ducting/piping through all pre-treatment tanks.	02 no.s Required Twin lobe Blower motor Capacity: 30 H.P., 2100 m <sup>3</sup> /hr (Minimum)
2	<b>Nano filter</b> Suitable 0.5 Micron Filter with SS housing & easy to clean/remove.	Confirm

3	<b>Oil skimmer</b> Belt Type with Motor Separate Tank & Pump for circulation with main process tank of De-grease.	Required Capacity of Motor: 90 W, 30 rpm (minimum)
<b>4</b>	<b>DM Plant</b>	
4.1	Capacity (minimum)	2000 L per hour
4.2	DM Conductivity (minimum)	60 µSiemens/cm
4.3	PH value	6.5-7
4.4	DM Make	Amit Aqua/Lone Exchange/Span Hydrotech/Hi-Tech
4.5	Inlet water sample Will be provided after finalization of bid	Confirm
<b>viii</b>	<b>Water Drying Oven (WDO)</b>	Conveyorised (Automatic)
1	Fuel	PNG
2	Max. Temp.	150°C
3	Initial Heating Time of oven	60 Minute (maximum)
4	Material of construction of Oven	CRCA and HR
5	Insulation	Rock Wool Density 48 Kg/M <sup>3</sup> (Minimum)
6	WDO Heating System room Temperature	0-2°C (minimum)
7	Oven Over-All Dimension	(14715L x3130W x 5825H) mm (minimum)
8	Oven Working Dimension	(12615L x3030W x 2800H) mm (minimum)
9	Article Entry & Exit Gate Size	1100 mm(W) x 1700 mm (H) (minimum)
10	Article entry and exit	Conveyorised
11	Finish Painting	Inside Heat Resistant Aluminium paint, Outside enamel paint
<b>12</b>	<b>Safety</b>	
12.1	Pressure control	Confirm
12.2	<b>Safety door:</b> Which have Proper Provision to escape gases in case of emergency with Pre-Define temperature and Pressure.	Confirm
12.3	Inspection cum explosion door	Confirm
13	Indication Lamps & Push Buttons	Confirm
14	Temperature Indicator and Controller for Oven Temperature Pt100 (Thermo-couple type) Sensors for Temperature	Confirm
15	Temperature Indicator Cum Controller (TIC)	02 no. (minimum)
16	PT 100 Sensor	01 no. (minimum)
17	Vent for Oven (natural Exhaust for flue gas)	Confirm
18	Moist Filter for burner in inlet manifold	Confirm
19	Blower burner Interlock	Confirm
20	Oven working	Auto cycle
<b>ix</b>	<b>Pressurization zone</b>	
1	Description	To provide dust free atmosphere while powder coating, this chamber is provided in which filtered air



		is delivered at top of booth through duct at specific air velocity.
2	Blower Pressure	60-65 mm WG
3	Illumination in Zone	400 to 600 lux
4	Material	Folded Panels fabricated out of 16 SWG / 2 mm CRCA with View Glass
5	Air handling unit	Blower and suitable filters which will positively deliver the air inside the zone.
<b>x</b>	<b>Powder Curing Oven (PCO)</b>	
1	Fuel	PNG burner
2	Max. Temp.	220.00 °C. at EMT
3	Initial Heating Time of oven	Maximum 60 minutes
4	Material of construction	CRCA and HR
5	Insulation to be designed in such a manner that Outside surface temperature will be at room temperature	Rock Wool Density Approx. 48 Kg/M <sup>3</sup> . (Minimum)
6	PCO Heating System room Temperature	0-2°C (minimum)
7	Finish Paint for Oven	Inside Heat Resistant Aluminum paint, Outside Enamel paint
8	Entry & Exit Gate Size	1100 mm(W) x 1700 mm (H) (minimum)
9	Article Entry & Exit	On Conveyor along Camelback type to Prevent Heat Loss
10	Oven Working Dimension	(15285L x6230W x 2700H) mm (Minimum)
11	Oven Overall Dimension	(15685L x6630W x 5825H) mm (Minimum)
<b>12</b>	<b>Safety</b>	
12.1	Pressure control	Confirm
12.2	<b>Safety door:</b> Which have Proper Provision to escape gases in case of emergency with Pre-Define temperature and Pressure.	Confirm
12.3	Inspection cum explosion door	Confirm
13	Indication Lamps & Push Buttons	Confirm
14	Temperature Indicator Cum Controller for Oven Temperature Pt100 (Thermo-couple type)Sensors for Temperature	Confirm
15	Temperature cum indicator controller (TIC)	02 no. (minimum)
16	PT 100 Sensor	01 no. (minimum)
17	Vent for Oven (natural Exhaust for flue gas)	Confirm
18	Moist Filter for burner in inlet manifold	Confirm
19	Blower burner Interlock	Confirm
20	Oven working	Auto cycle
<b>xi</b>	<b>Conveyor (All across the process)</b>	
1	Type	4-wheel open track
2	Conveyor speed	2.5 meter/minute
3	Conveyor length	Minimum 475 meter

4	Drive	Sprocket/caterpillar type
5	Take up	Screw/dead weight type
6	Point load	40 Kg maximum
<b>xii</b>	<b>Powder coating booth</b>	
1	Description	Automatic booth consisting of reciprocator, auto guns, cyclone recovery system, post filter unit with pulsing and provision of two manual touch up stations with manual gun.
1.1	No. Of auto guns	Minimum 10 on booth (5 on each side) or better
1.2	Construction of booth	SS-316 panels and MS structure. (With illumination of min. 400 Lux)
1.3	Vendor to give total colour change time	90 minute (Maximum)
1.4	Powder Recovery System	Confirm
1.5	Height sensor (working: no object no spray)	Confirm
<b>xiii</b>	<b>SCADA (Supervisory Control and Data Acquisition) Based Centralized Control system</b> (The panel body should be Powder Coated) for Indication, Control & Monitoring for all heating tank temperature, pH Value, Level Indicator for solution of all tanks, Water drying Oven temperature, baking oven temperature, working of all powder coating gun, Conveyor system.	Confirm
1	PC Based controlling the complete system along with Conveyor	Confirm
2	Other than offline Pre-dip treatment plant, Centralized PC Base Control System should provide single point control to operate all plant activities such as conveyor, ovens, all type of sensors, alarms, blowers.	Confirm
3	PC Configuration	Confirm
3.1	high configuration system (at least i5 Processor)	Confirm
3.2	RAM	4 GB (minimum)
3.3	Windows 10 Professional Operating System (Except Windows Home)	Confirm
3.4	Monitor with suitable HDMI Cables & repeater size as mentioned	02 Set
3.5	Monitor Size	
3.5.1	19" LED (01 Set)	Confirm
3.5.2	90" LED (01 Set)	Confirm
4	Serial Ports/Serial PCIX Cards	02 Set
5	Wired Ethernet Port	Confirm
6	WiFi USB	Confirm
7	Bluetooth USB	Confirm
<b>C</b>	<b>Component Hanging Fixtures</b>	
	Vendor to design manufacture & supply fixture for Pre-dip & Powder coating & Curing for the products Kit as per drawing (refer drawing Attached)	As mention below Vendor to specify & Confirm

1	Tricycle Family (Small Part Fixture other than main frame) (TD2C98, TD2C95/96, TD2C79, TD2C38/28 & TD2A65,TD2C48) (Vendor to design single fixture to accommodate all type of Product& its components as mention).	200 Nos
2	Wheel Chair Family	
2.1	TD2C51, TD2A06, TD2A26, TD2A02 & TD2B37(Vendor to design single fixture to accommodate all type of Product& its components as mention).	150 Nos
2.2	Wheel Chair Rough Terrain (TD2C36)	50 nos
3	Tripod, Tetra Pod& Can etc. Drawing No. : TD 2P 02, TD 2P 04, TD2N82, TD2N85, TD2N86, TD1N70 (Vendor to design single fixture to accommodate all type of Product and its components as mention).	60 nos
4	Rollator(Size-I & Size-II), Walker, Drawing No.: TD2N85, TD2N86, TD2N82. (Vendor to design single fixture to accommodate all type of Product and its components as mention).	40 nos
5	Vendor to ensure the fixtures are pre-coated to avoid deposition during coating	Confirm
6	The Fixture should be made in such a manner that all components of single product may set up in single fixture Vendor to refer attached product drawing for same.	Confirm
7	Vendor to refer attached fixture drawing for reference and make its own drawing considering the envelope and over-all requirement for all family of product.	Vendor to give fixtures manufacturing drawing for all product & Confirm
<b>D</b>	<b>Inline Stripping Off Arrangement</b> After powder coating hanging Jigs & fixture will dip into this tank to remove powder particles deposited on hanging Jigs & fixtures.	Qty- 2 NOS, MS- 4 mm (Minimum) (Vendor to confirm & Provide Details)
1	Cleaning Tank	Size: (15345L x 1000W x 1925H) mm , MS- 4 mm (Minimum)
2	Water Rinse	Size: (15345L x 1000W x 1925H) mm, MS- 4 mm (Minimum)
3	<b>Tank Heating System</b>	For Fixture cleaning tank from side of tank
3.1	Fuel arrangement	PNG with suitable burner

3.2	Initial Heating Time	100-120 Minutes.
3.3	Temperature	80°C maximum
<b>E</b>	<b>Make Sheet</b>	
1	Burner	Ecoflam / Riello/FBR Burners/ELCO
2	Twin-Lobe Blower	Nadi / Everest
3	Motor	Crompton Greaves/ ABB /Bharat-Bijlee/ Siemens
4	Powder coating booth with Powder Coating Gun	GEMA / Wagner / Ven Tec/ SOHO
5	LED Display	Panasonic/LG/Samsung
6	Main Switch, MCB, Contactor, Over Load Relay,PLC	Siemens/ C&S/L&T
7	Sensors	Honeywell/Sparkfun/Sushant Enterprise
8	Cable	Finolex/Havells/RR
<b>F</b>	<b>General</b>	
1	Other than mentioned any other Required Accessories for Plant (Vendor to provide list)	Specify & Confirm
2	Cabling (All necessary cables of right size is in Vendor Scope)	From Bus Bar to all Equipment
3	Exhaust Duct	Insulated till approximate average height of man
4	Water Inlet/outlet Piping (All necessary pipes of right size is in Vendor Scope)	At one point near to pre-treatment, further piping will be in supplier scope
5	PNG Gas Consumption per hour (Piping from gas bank to system is in Vendor scope). (Vendor to note that given consumption is indicative one, Vendor to calculate load as per his design and submit while filling bid.)	120 Kg/Hr (Approx)
<b>G</b>	<b>Qualification Criteria</b>	
1	In house Installation/Commissioning Team with suitable staff	Confirm & Provide Details
2	Prior Experience of supplying such systems to manufacturers of Furniture/ Tubular Structure components. Vendor must have done such installation at least 03 nos such plants during last 05 years Vendor to provide details of such customer along with contact number	Confirm & Provide Details
<b>H</b>	<b>Documentation-</b>	
1	Detailed layout plan and prospect to be given (Area of shop as per attached drawing)	Each documentation three sets in English along with delivery
2	Operating instruction& Manual	
3	Installation and Commissioning instructions	
4	Time Temperature Record Report	
5	Preventive maintenance instructions	
6	Instruction manual for supplied coolant concentrate and coolant	

7	Detailed invoice and packing list of all items and devices and detailed prospect of machine and all other accessories enclosed in	
8	List of proposed powder & other consumable required to run the plant	
9	The consumables for Initial fill, prove out are in vendor scope. Other than the consumables for initial fill the following consumables need to be supplied.	
9.1	Chemical for KOD & De-greasing 6Tons along with plant (Vendor to give At-Least 3 make with similar chemical properties)	
9.2	Chemical for De-Rusting 4.5 Tons along with plant (other than chemical require for prove out) Vendor to give At-Least 3 make with similar chemical properties)	
9.3	Chemical for NANO coating – 3Ton ( Vendor to give At-Least 3 make with similar chemical properties)	
9.4	Powder for Powder Coating Plant 9 Ton along with plant (Vendor to give At-Least 3 make with similar chemical properties)	
9.5	Chemical for Strip-off System-4.5 Ton (Vendor to give At-Least 3 make with similar chemical properties)	
10	List of necessary spares required to run the plant (Only list is required, Rate not to be quoted in TC-Bid)	
<b>I</b>	<b><u>Installation &amp; commissioning-</u></b>	
1	The complete installation and commissioning must be carried out by the supplier at the project site (ALIMCO-Kanpur)	Confirm
2	Training to be provided during installation, commissioning and proveout at ALIMCO-Kanpur.	Confirm
2.1	Operator training	28 Days
2.2	Maintenance course all Inclusive (mechanical, electrical and electronics)	15 Days
2.3	6 month hand holding (Vendor to consider 3 days visit per month till 6 month, All expenses will be borne by Vendor)	Confirm
3	Prove Out powder coating of 5 Days planned production of components to be done at ALIMCO Premises. (Refer Attached Product Drawings).	Confirm
<b>J</b>	<b><u>General operating condition</u></b>	
1	3 Phase 415V +/- 10%	Confirm
2	Frequency 50 Hz +/- 5%	Confirm
3	Protection level	IP54 or better
4	System should have capability to handle voltage, current and frequency fluctuation, necessary protection to be provided.	Confirm
5	Complete electrical system should be tropicalized for Indian condition 5 to 50 degree centigrade temp and RH 100% (Including additional accessories)	Confirm
<b>K</b>	<b><u>Service</u></b>	
1	Detail of authorized Service Partners in India (Name & Address) must be certified by manufacturer and shown in the quotation	Confirm
<b>L</b>	<b><u>Warranty:</u></b>	2 years (Minimum)
<b>M</b>	<b>Vendor shall consider any other item, (other than mention in Annexure-A) necessary for successful operation &amp; installation of plant, Vendor shall provide list.</b>	Confirm

### **DELIVERY PERIOD INCLUDING INSTALLATION & COMMISSIONING:**

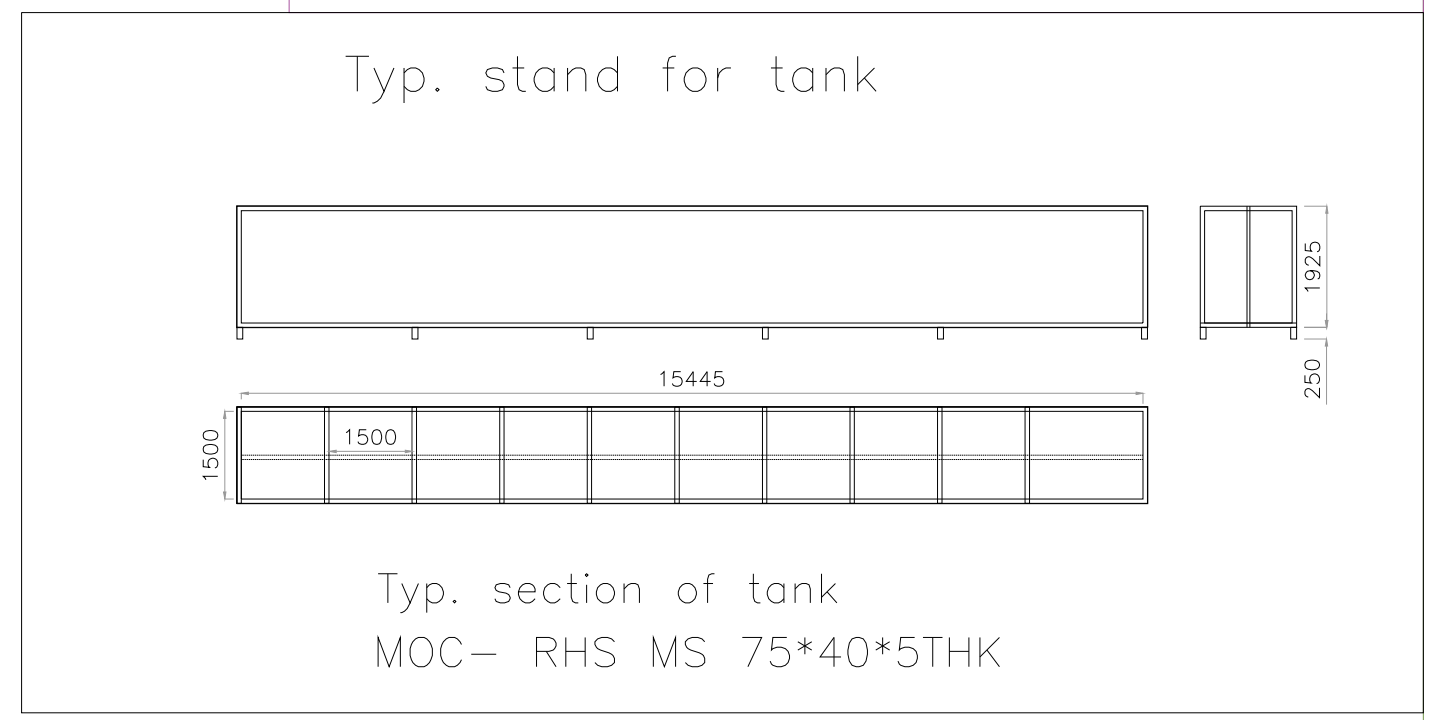
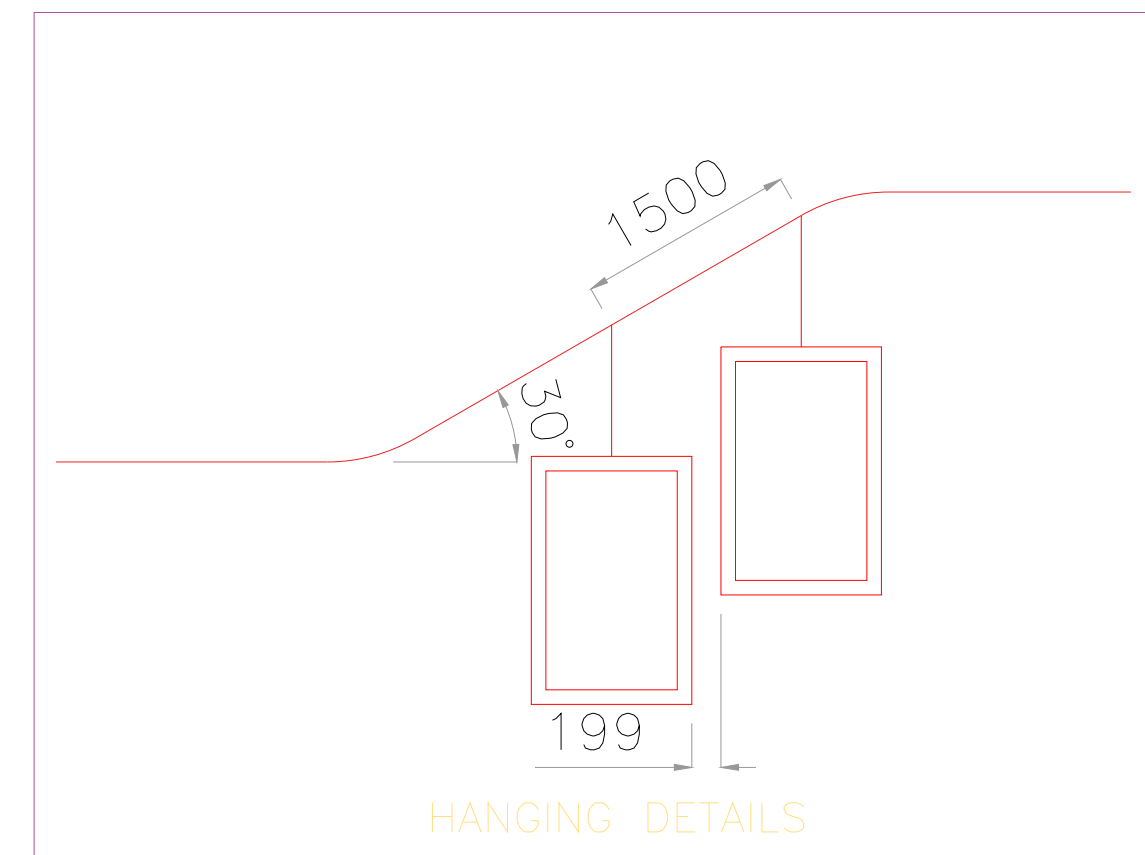
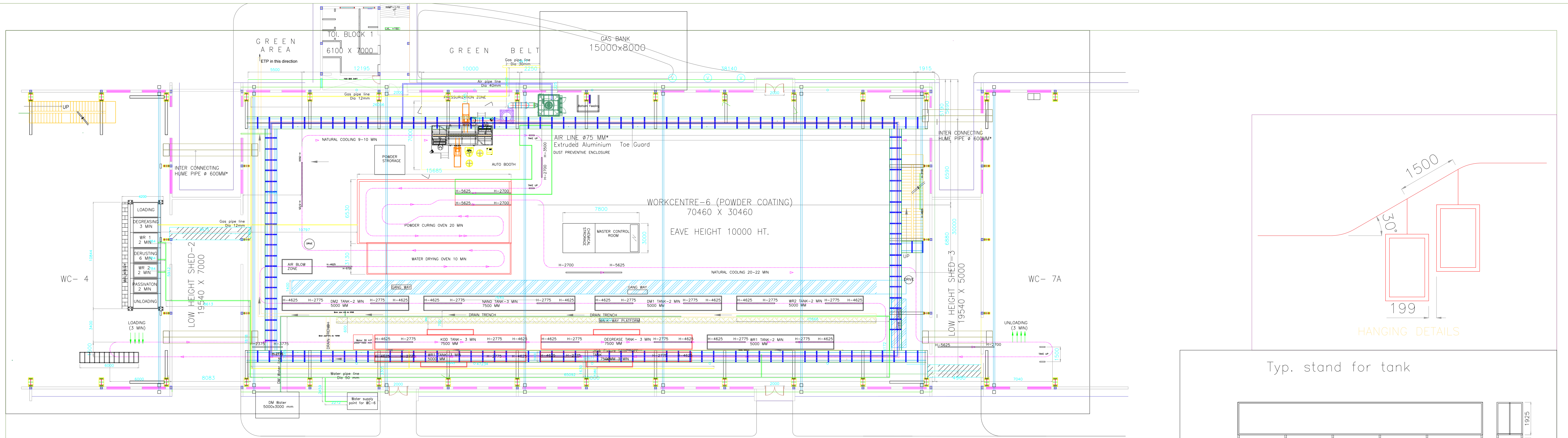
The delivery, installation & commissioning period of complete Powder Coating Plant at the destination mentioned in Para 1 on page no. 02 of the tender documents will be 08 months for delivery and installation, commissioning & Prove-Out from the date of placement of Purchase Order/work contract.

### **WARRANTY:**

The entire Powder Coating Plant inclusive of all system/accessories must be covered under warranty for a period of 24 months (minimum) from the date of successful Installation & commissioning.

### **Note:**

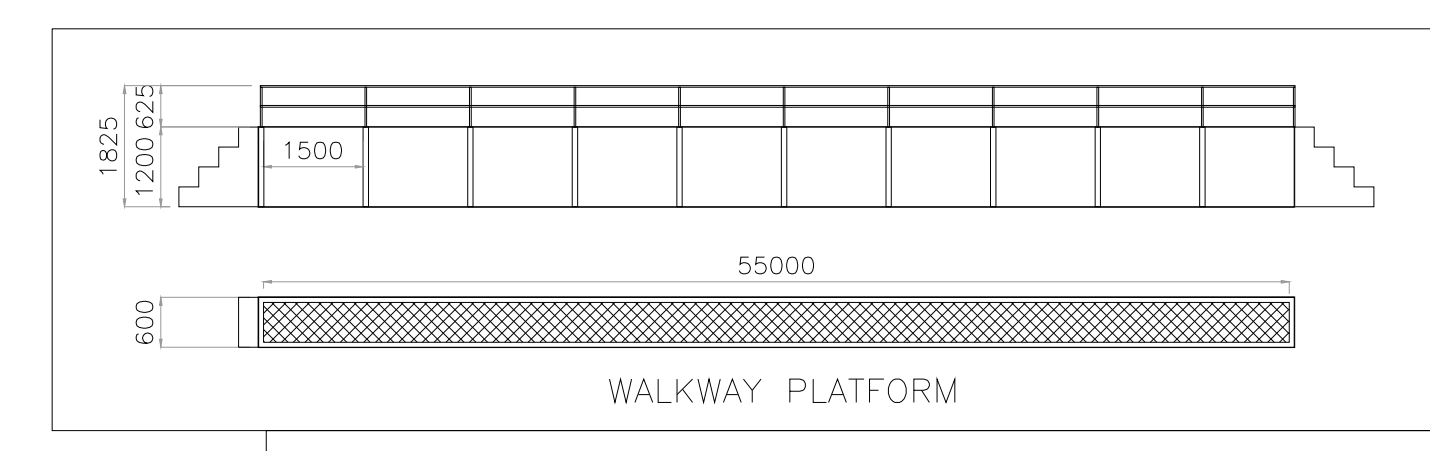
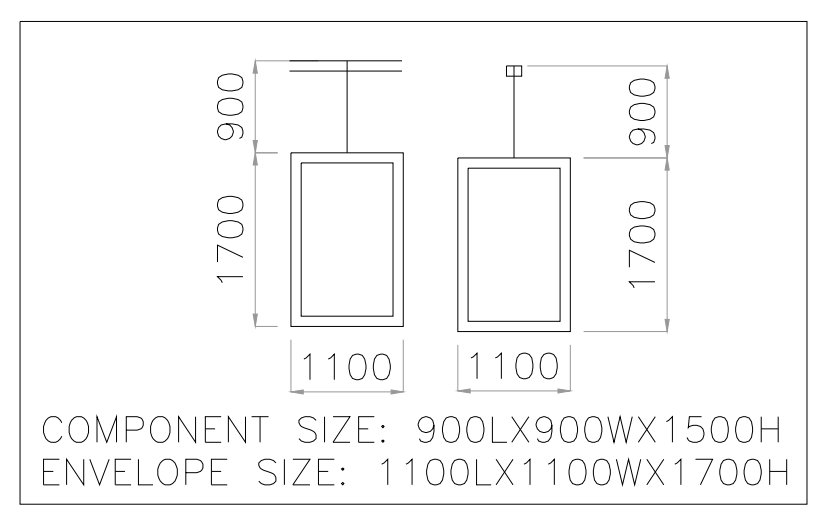
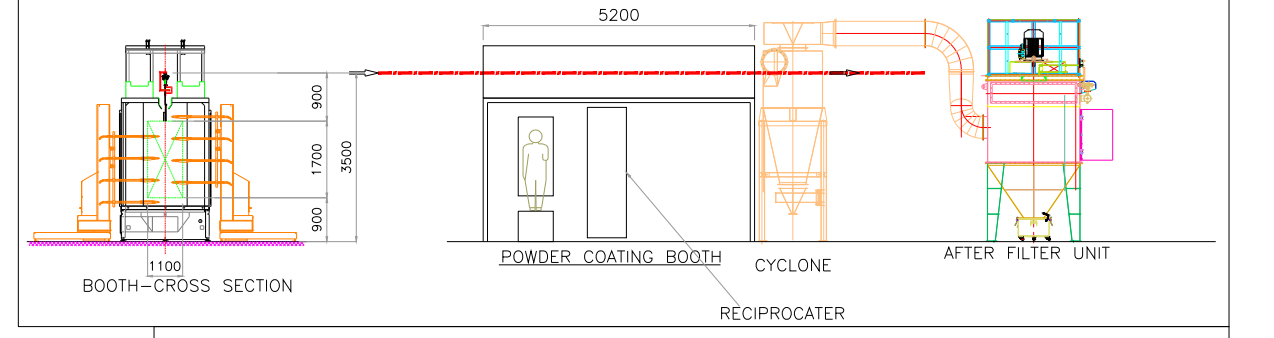
1. Breakdown calls to be attended within 48 hrs.
2. Supply to be done on Turnkey Basis. ALIMCO shall provide electrical supply point, air supply and water supply near to the place of installation. (Civil Layout will be provided)
3. Civil foundation details and drawings with specifications to be provided by the tenderer.
4. Total power Electrical power consumption (in KW) & Gas Power Consumption (in Kg/hr) to be provided by the tenderer.
5. Layout drawing should be provided in CAD format.
6. Visual control board to be provided for monitoring with alarm signals.
7. ALIMCO may at its discretion decide to visit & verify the facility and validate in case of discrepancy the vendor shall be technically disqualified.
8. All necessary Details as asked in Annexure-A to be duly full-filled failing which Bid shall be technically Rejected.
9. The Drawing/Layout attached along with details is for standard purpose and should be the minimum qualifying criteria in all aspect. However vendor is free to design its own plan & supply above standard inculcating minimum requirement of the plant.
10. Entire System shall be designed and commissioned for ease of access of all facilities and maintenance.



DM WATER PIPELINE- 60M  
 NORMAL Water pipe line- 130M (NB-50)  
 GAS PIPELINE- 200 M  
 Drainage Pipe- 240M (NB-100)

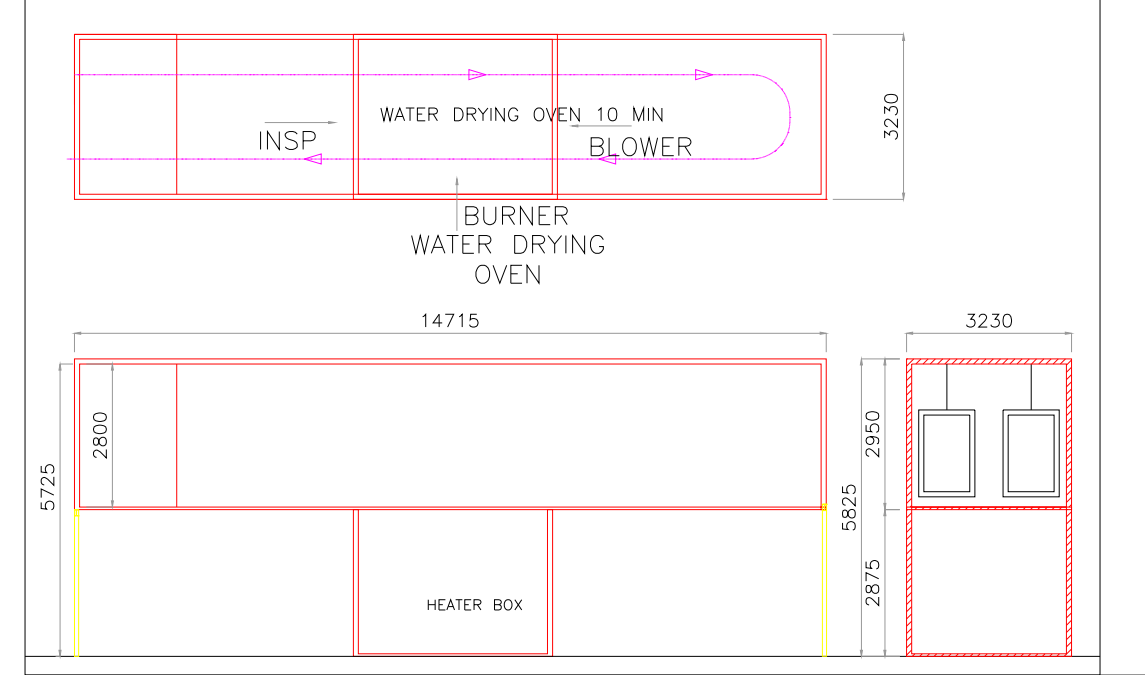
WATER PIPELINE- GREEN COLOR  
 GAS PIPELINE- YELLOW COLOR  
 AIR PIPELINE- BLUE COLOR

DERUSTING LINE (OFFLINE)  
 TANK SIZE: 2350L X 1300W X 2150H

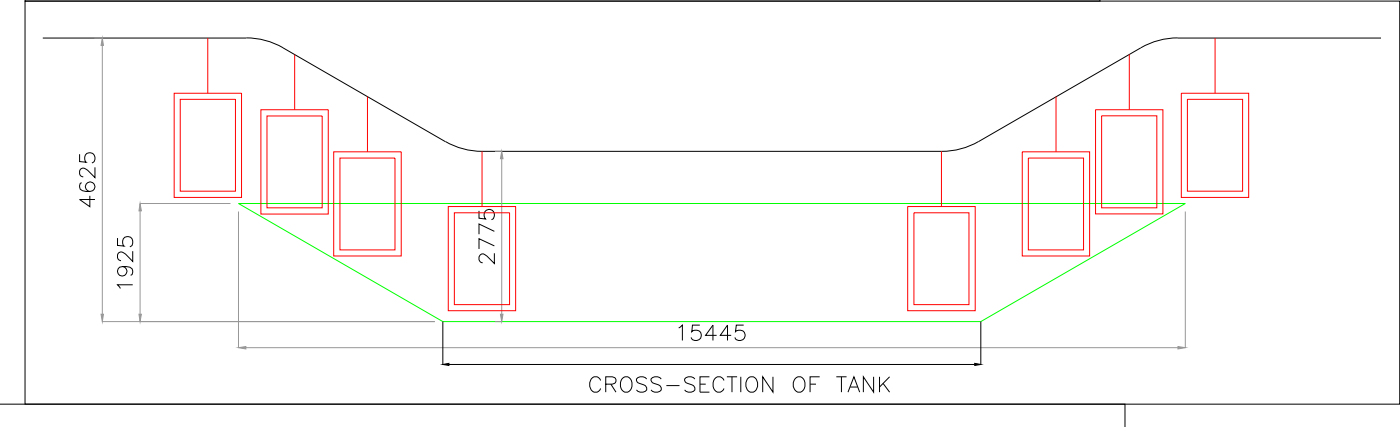


Note: 1. All dimensions are in MM only.  
 2. The dimensions given is indicative.  
 3. Given quantity is approximate.

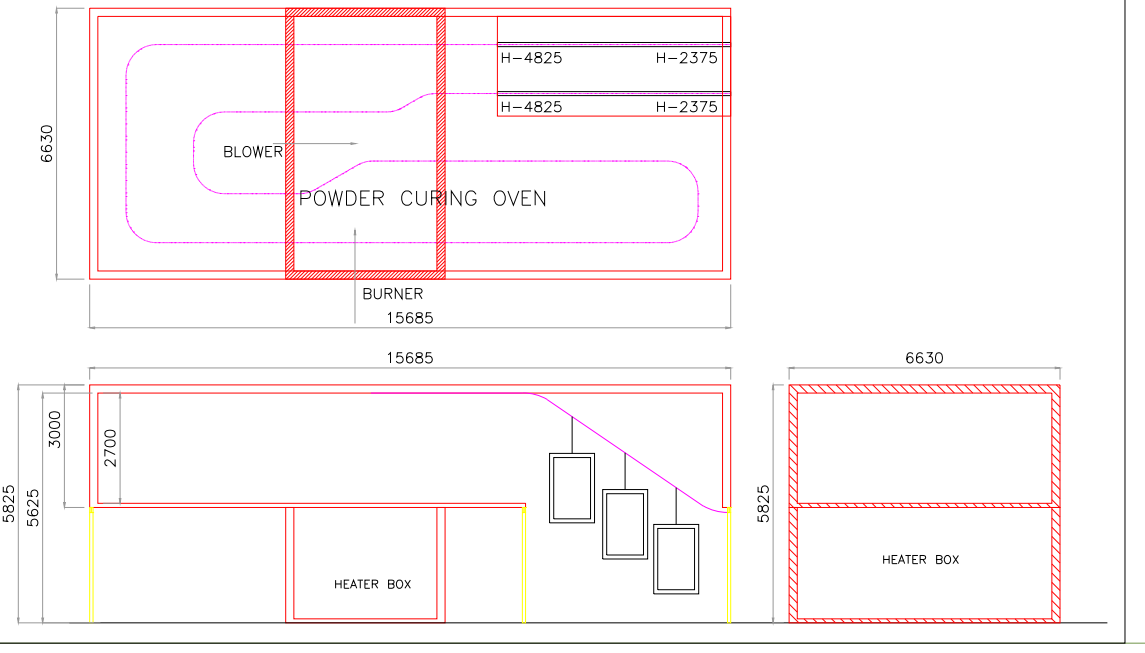
POWDER COATING BOOTH  
 RECIPROCATOR WITH AUTO GUNS (BACK TO BACK)  
 MANUAL TOUCH UP (BACK TO BACK)  
 OVERHEAD CONVEYOR  
 CONVEYOR LENGTH 475 MTRS APRX.  
 ARTICLE PITCH :- 1500 MM.  
 CONVEYOR SPEED :- 2.5 M/MIN.  
 DRIVE UNIT :- SPROCKET TYPE.  
 TAKE UP UNIT :- SCREW TYPE.



POWDER CURING OVEN-  
 SIZE 15285 L X 6230 W X 2700 H  
 HEATER BOX AT BOTTOM OF OVEN  
 CONV. INSIDE OVEN- 50 MTR



WATER DRYING OVEN-  
 SIZE 12615 L X 3030 W X 2800 H  
 HEATER BOX AT BOTTOM OF OVEN  
 CONV. INSIDE OVEN- 25MTR



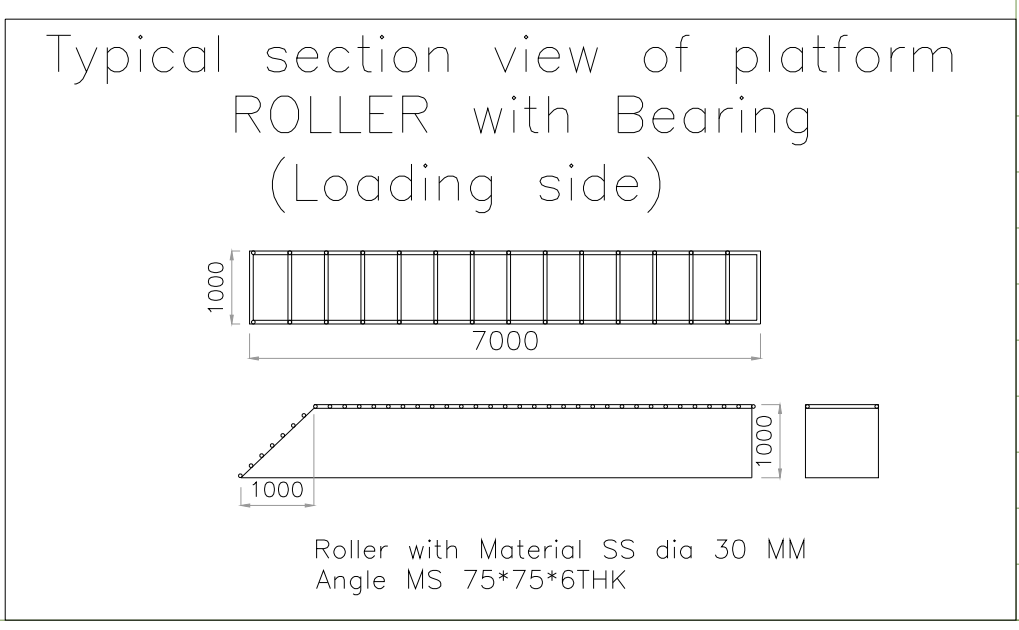
MATERIAL FOR WALKWAY PLATFORM:  
 1. MS SHS 50X50X5T  
 2. MS ISA 35X35X5T  
 3. GRP GRATING 30T  
 4. MS PIPE 20 NB

OFFLINE PLANT PROCESS

NO.	PROCESS	TIMING	TEMP
01.	LOADING	--	AMB.
02.	DERUSTING	5 MIN	AMB.
03.	WR1	2 MIN	AMB.
04.	WR2	2 MIN	AMB.
05.	UNLOADING	--	AMB.

PLANT PROCESS

NO.	PROCESS	TIMING	TEMP
01.	LOADING	--	AMB.
02.	KOD	3 MIN	55°C
03.	DEGREASE	3 MIN	55°C
04.	WR1	2 MIN	AMB.
05.	WR2	2 MIN	AMB.
06.	DM1	2 MIN	AMB.
07.	NANO	3 MIN	AMB.
08.	DM2	2 MIN	AMB.
09.	WATER DRYING OVEN	10 MIN	110°C
10.	POWDER COATING BOOTH	---	AMB.
11.	POWDER CURING OVEN	20 MIN	200°C
12.	UNLOADING	---	AMB.

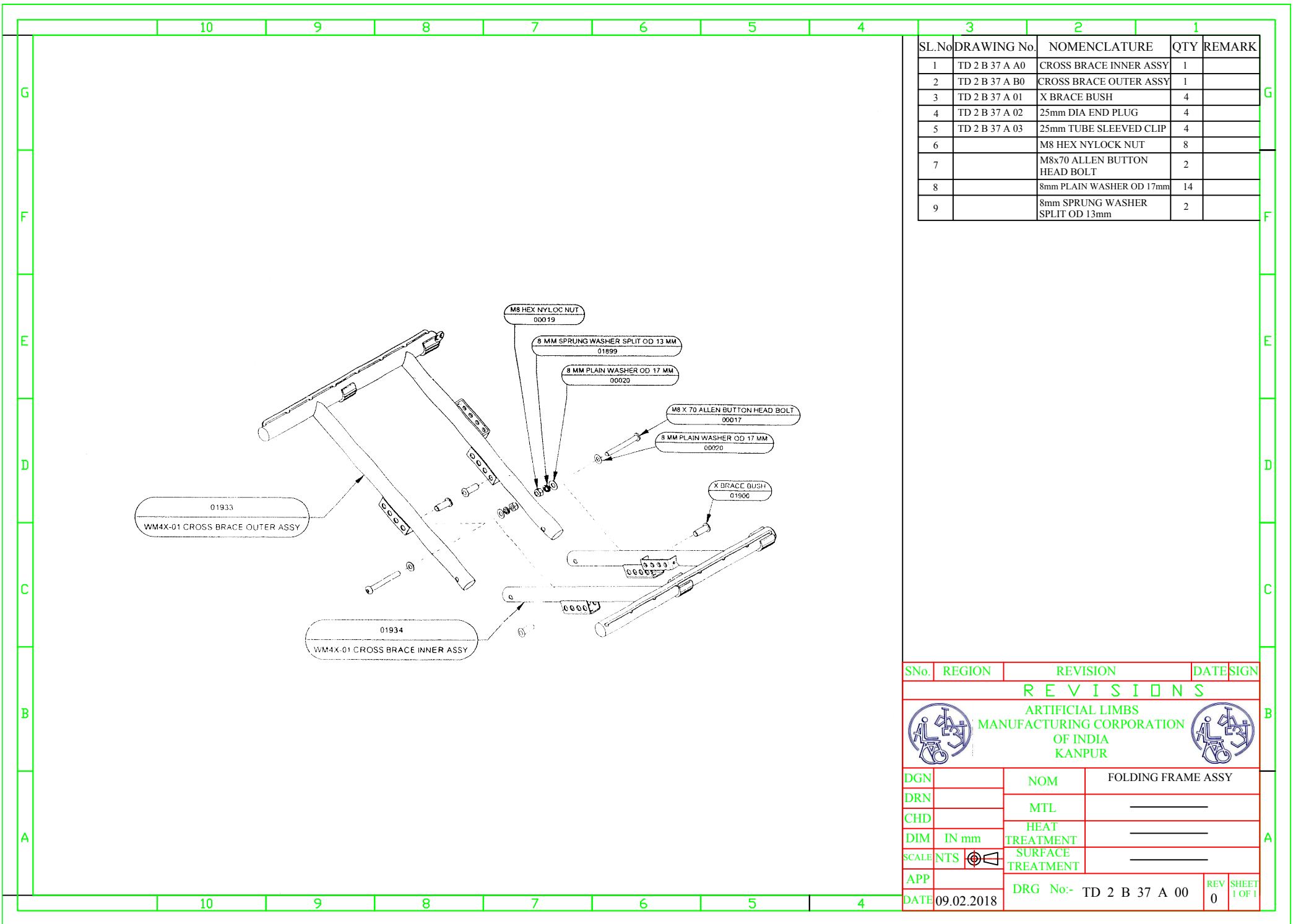


ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA



SCALE	DRAWN BY:	CHECKED	APPROVED.	TITLE:-
1:1	VIVEK	RONIT	JBR	LAYOUT FOR POWDER COATING PLANT INCORPORATED IN CIVIL
DATE :- 20/09/2018				DRG.NO.
REV :- 01				AL/769/LR/R1
01	CHANGE OF CONVEYOR LENGTH	SNS	28/7	ALL DIMNS. ARE IN MM
NO.	CHANGE OF RECORD	SIGN.	DATE	DO NOT SCALE THE DRAWING

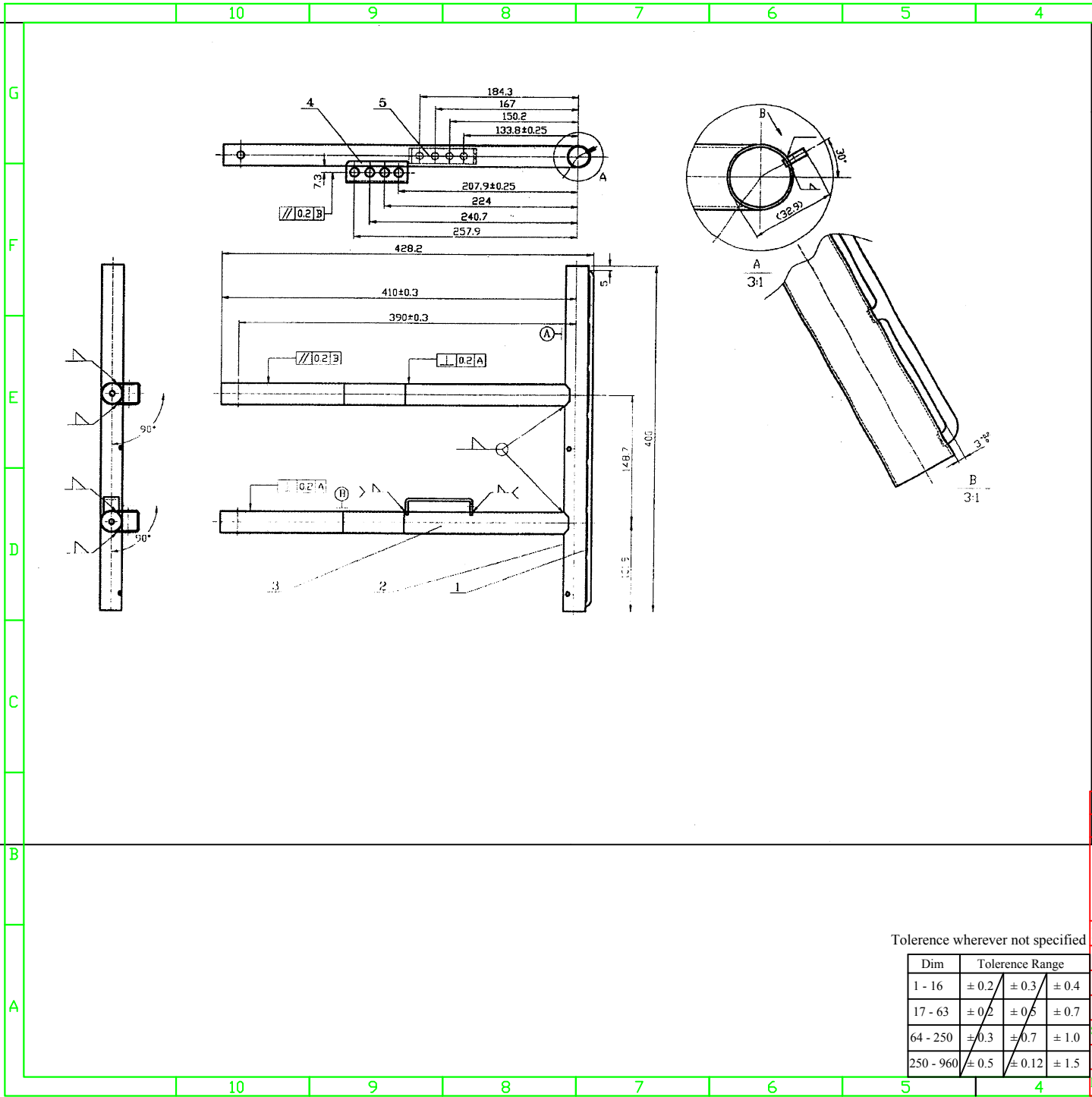
**TD2B37000**





SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 37 A A0	CROSS BRACE INNER ASSY	1	
2	TD 2 B 37 A B0	CROSS BRACE OUTER ASSY	1	
3	TD 2 B 37 A 01	X BRACE BUSH	4	
4	TD 2 B 37 A 02	25mm DIA END PLUG	4	
5	TD 2 B 37 A 03	25mm TUBE SLEEVED CLIP	4	
6		M8 HEX NYLOCK NUT	8	
7		M8x70 ALLEN BUTTON HEAD BOLT	2	
8		8mm PLAIN WASHER OD 17mm	14	
9		8mm SPRUNG WASHER SPLIT OD 13mm	2	

SN.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 <b>ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR</b> 				
DGN		NOM	FOLDING FRAME ASSY	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM	IN mm	TREATMENT	_____	
SCALE	NTS	SURFACE TREATMENT	_____	
APP		DRG No:- TD 2 B 37 A 00	REV	SHEET
DATE	09.02.2018		0	1 OF 1



SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 37 A A1	STRAP MOUNTING MULTIPLE	1	
2	TD 2 B 37 A A2	X BRACE SEAT TUBE INNER	1	
3	TD 2 B 37 A A3	CROSS BRACE TUBE	2	
4	TD 2 B 37 A A4	X BRACE MAIN PIVOT BRACKET 2		
5	TD 2 B 37 A A5	X BRACE LOCK OUT PIVOT BRACKET	1	

SNo.	REGION	REVISION	DATE	SIGN
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**REVISIONS**

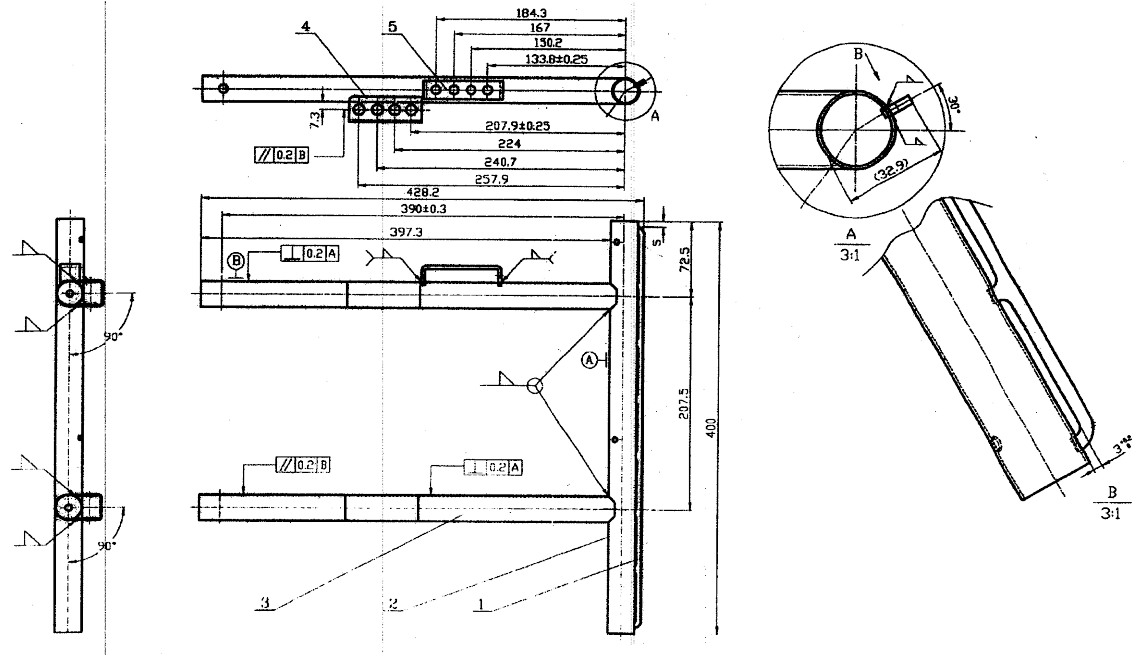


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KANPUR

DGN		NOM	CROSS BRACE INNER ASSY
DRN		MTL	_____
CHD		HEAT	_____
DIM	IN mm	TREATMENT	_____
SCALE	NTS	SURFACE TREATMENT	_____
APP		DRG No:- TD 2 B 37 A A0	REV SHEET 1 OF 1
DATE	09.02.2018		

Tolerance wherever not specified



Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

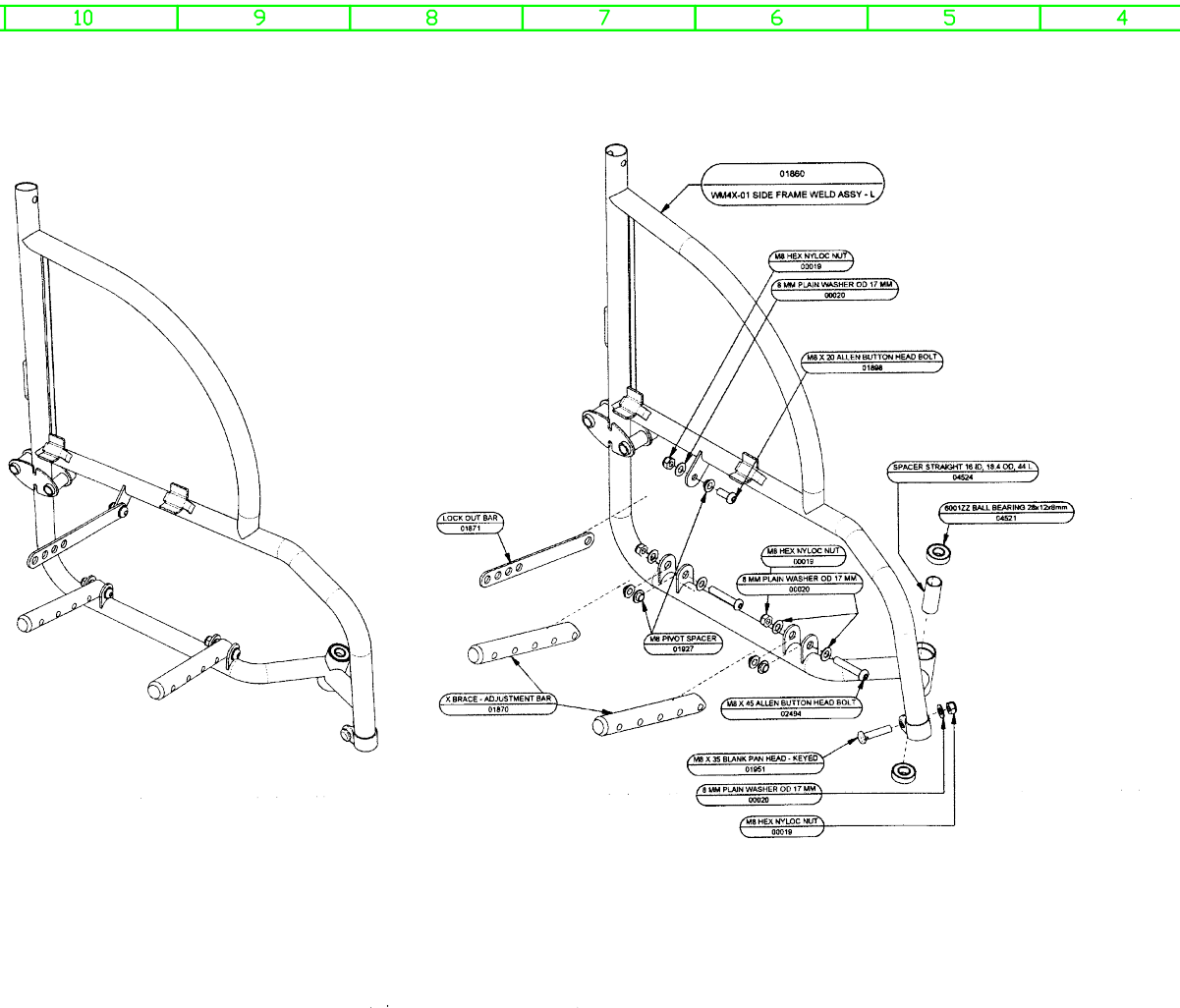


SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 37 A A1	X BRACE SEAT TUBE OUTER	1	
2	TD 2 B 37 A B1	STRAP MOUNTING MULTIPLE	1	
3	TD 2 B 37 A A3	CROSS BRACE TUBE	2	
4	TD 2 B 37 A A4	X BRACE MAIN PIVOT BRACKET	2	
5	TD 2 B 37 A A5	X BRACE LOCK OUT PIVOT BRACKET	1	



Tolerance wherever not specified

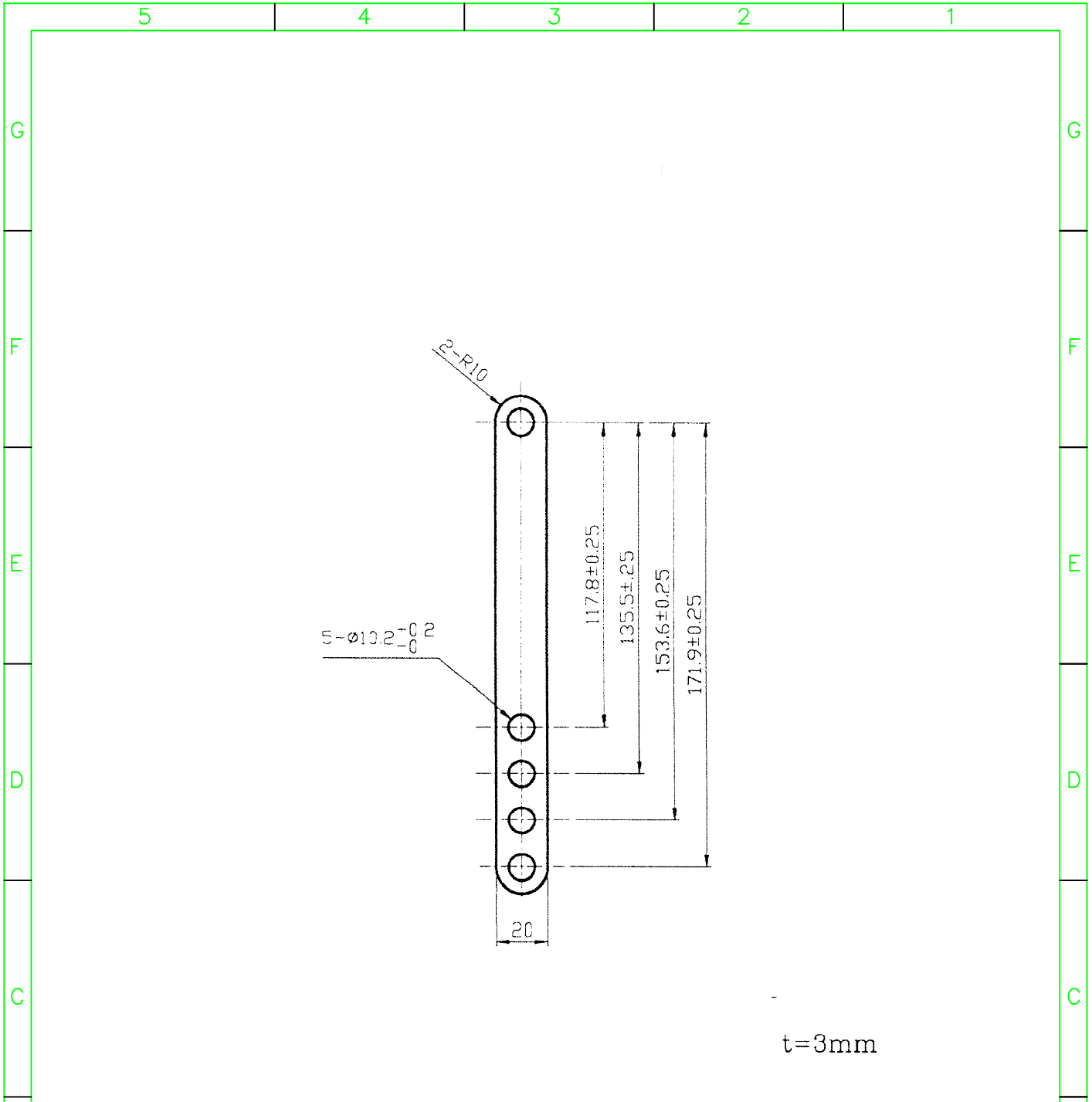
Dim	Tolerance Range		
1 - 16	±0.2	±0.3	±0.4
17 - 63	±0.2	±0.5	±0.7
64 - 250	±0.3	±0.7	±1.0
250 - 960	±0.5	±1.2	±1.5

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 <b>ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR</b> 				
DGN		NOM	CROSS BRACE OUTER TUBE	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM	IN mm	TREATMENT	_____	
SCALE	NTS	SURFACE TREATMENT	_____	
APP		DRG No:-	TD 2 B 37 A B0	REV SHEET 0 1 OF 1
DATE	09.02.2018			



SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 37 B A0	SIDE FRAME WELD ASSY L	1	
2	TD 2 B 37 B 03	X BRACE ADJUSTABLE BAR	2	
3	TD 2 B 37 B 04	LOCK OUT BAR	1	
4	TD 2 B 37 B 05	M8 PIVOT SPACER	7	
5	TD 2 B 37 B 06	M8x35 BLANK PAN HEAD	1	
6	TD 2 B 37 B 07	SPACER STRAIGHT	1	
7	TD 2 B 37 B 08	8mm SADDLE WASHER	8	
8		6001ZZ BALL BEARING	2	
9		M8 HEX NYLOCK NUT	4	
10		M8x20 ALLEN BUTTON HEAD BOLT	3	
11		M8x40 ALLEN BUTTON HEAD BOLT	4	
12		M8x45 ALLEN BUTTON HEAD BOLT	2	
13		8mm PLAIN WASHER OD 17mm	8	

SN.No.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 <b>ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR</b> 				
DGN		NOM	SIDE FRAME ASSY - L	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM	IN mm	TREATMENT	_____	
SCALE	NTS	SURFACE TREATMENT	_____	
APP				
DATE	09.02.2018	DRG No:- TD 2 B 37 B 00	REV 0	SHEET 1 OF 1



$t=3\text{mm}$

SNNo.	REGION	REVISION ED	DATE	SIGN
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**REVISIONS**



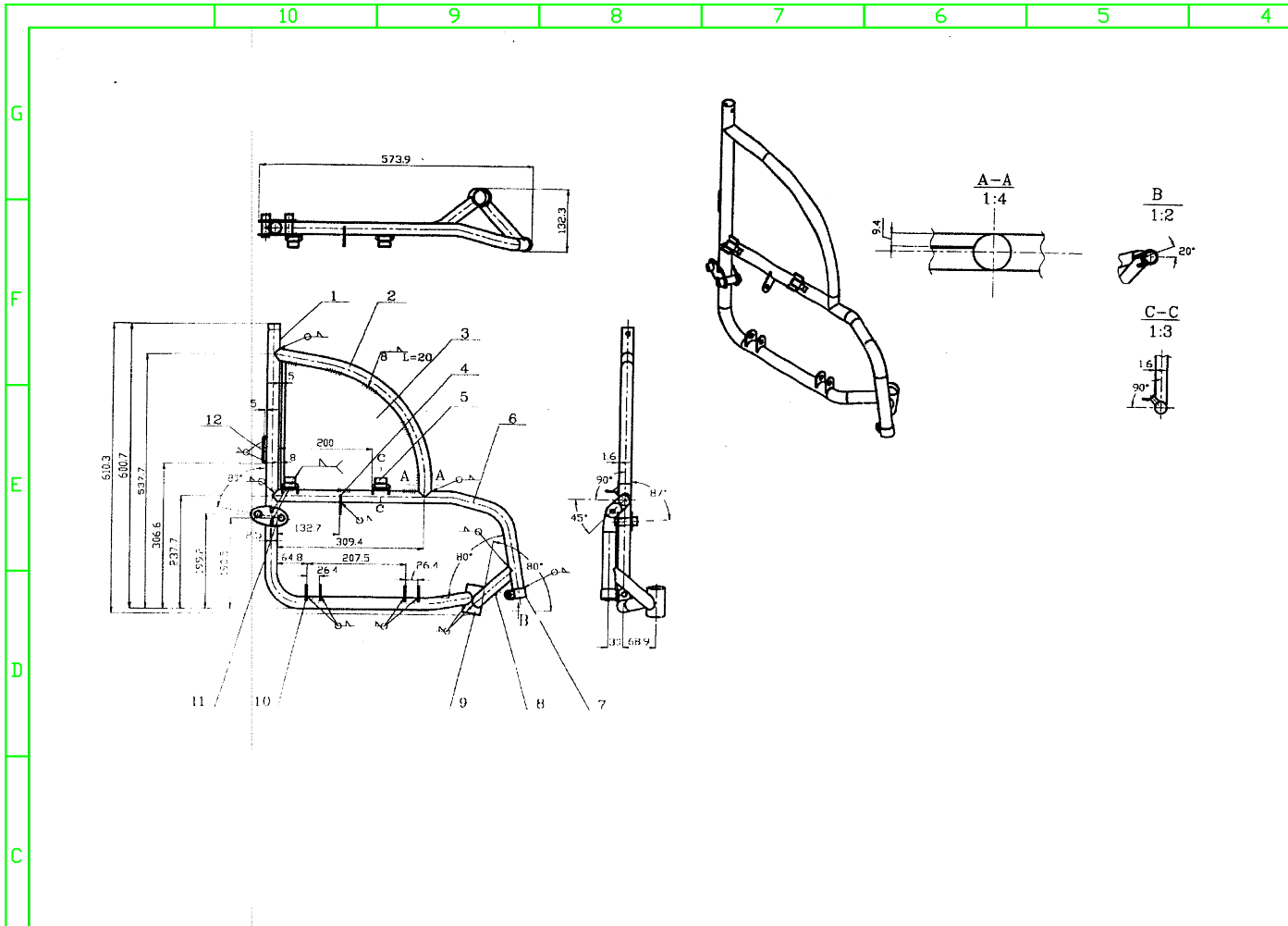
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OF INDIA  
KANPUR



DGN		NOM	LOCK OUT BAR	
DRN		MTL	STAINLESS STEEL (JIS G4303) SUS316	
CHD		HEAT TREATMENT	_____	
DIM	IN mm	SURFACE TREATMENT	_____	
SCALE	NTS	APP	DRG No:- TD 2 B 37 B 04	
DATE	09.02.2018	REV	0	SHEET 10F1

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	$\pm 0.2$	$\pm 0.3$	$\pm 0.4$
17 - 63	$\pm 0.2$	$\pm 0.5$	$\pm 0.7$
64 - 250	$\pm 0.3$	$\pm 0.7$	$\pm 1.0$
250 - 960	$\pm 0.5$	$\pm 0.12$	$\pm 1.5$



SL.No	DRAWING No	NOMENCLATURE	QTY	REMARK
1	TD 2 B 37 B A1	BACK REST TUBE	1	
2	TD 2 B 37 B A2	ARM REST TUBE	1	
3	TD 2 B 37 B A3	SIDE GUARD - L	1	
4	TD 2 B 37 B A4	LOCKOUT BAR/FRAME PIVOT	1	
5	TD 2 B 37 B A5	SUPPORT CUP GENERIC	2	
6	TD 2 B 37 B A6	TOP TUBE SIDE FRAME - L	1	
7	TD 2 B 37 B A7	FOOT REST HEIGHT CLAMP	1	
8	TD 2 B 37 B A8	CASTOR MOUNT TUBE	1	
9	TD 2 B 37 B A9	CASTOR BARREL TWO HOLES	1	
10	TD 2 B 37 B O1	X-BRACE/FRAME PIVOT	4	
11	TD 2 B 37 B B0	AXLE MOUNTING WELDMENT-L	1	
12	TD 2 B 37 B O2	STRAP MOUNTING - SINGLE	1	

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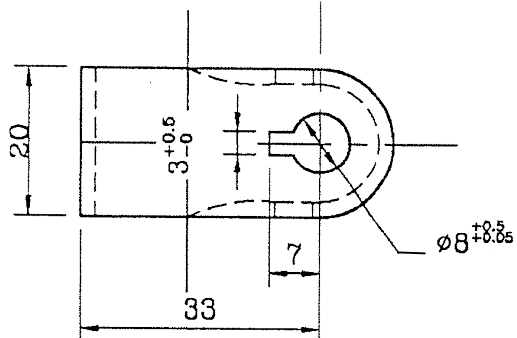
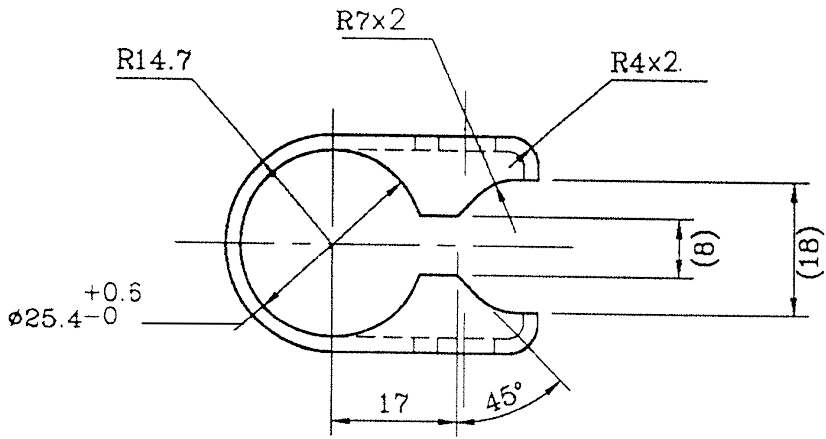
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MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 1.2	± 1.5

DGN	NOM	SIDE FRAME WELD ASSY - L
DRN	MTL	_____
CHD	HEAT	_____
DIM	TREATMENT	_____
SCALE	SURFACE TREATMENT	_____
APP	DRG No:- TD 2 B 37 B A0	REV 0 SHEET 1 OF 1
DATE	09.02.2018	



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SN0.	REGION	REVISION	DATE	SIGN
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**REVISIONS**



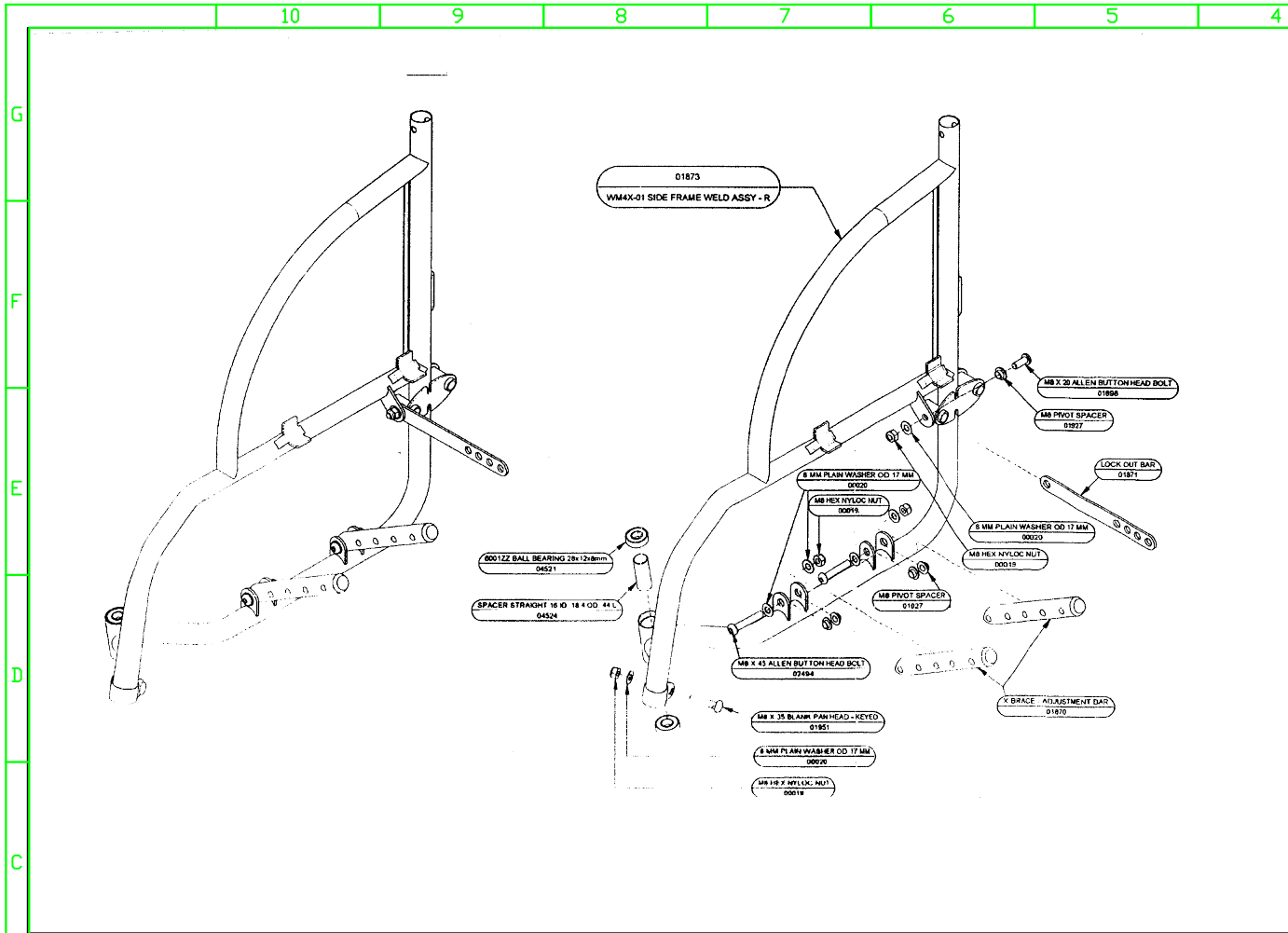
ARTIFICIAL LIMBS  
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OF INDIA  
KANPUR





DGN	NOM	FOOTREST HEIGHT CLAMP		
DRN	MTL	SHEET STEEL (JIS G313) SPCC		
CHD	HEAT TREATMENT	_____		
DIM	IN mm	_____		
SCALE	NTS	SURFACE TREATMENT _____		
APP	DRG No:- TD 2 B 37 B A7	REV	SHEET	
DATE	09.02.2018	0	10F1	

Tolerance wherever not specified

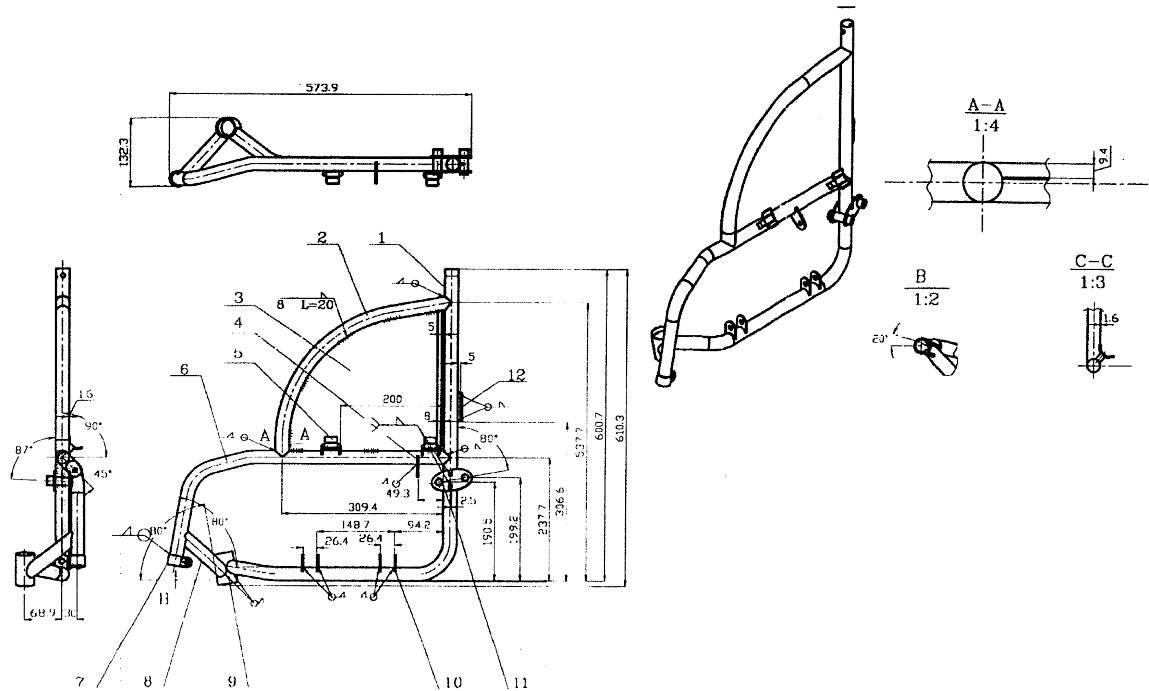
Dim	Tolerance Range		
1 - 16	$\pm 0.2$	$\pm 0.3$	$\pm 0.4$
17 - 63	$\pm 0.2$	$\pm 0.5$	$\pm 0.7$
64 - 250	$\pm 0.3$	$\pm 0.7$	$\pm 1.0$
250 - 960	$\pm 0.5$	$\pm 0.12$	$\pm 1.5$



SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 37 C A0	SIDE FRAME WELD ASSY - R	1	
2	TD 2 B 37 B 03	X BRACE ADJUSTABLE BAR	2	
3	TD 2 B 37 B 04	LOCK OUT BAR	1	
4	TD 2 B 37 B 05	M8 PIVOT SPACER	5	
5	TD 2 B 37 B 06	M 8x35 BLACK PAN HEAD	1	
6	TD 2 B 37 B 07	SPACER STRAIGHT	1	
7	TD 2 B 37 B 08	8mm SADDLE WASHER	1	
8		8mm PLAIN WASHER OD 17mm	6	
9		M8 HEX NYLOCK NUT	4	
10		M8x45 ALLEN BUTTON HEAD BOLT	2	
11		M8x20 ALLEN BUTTON HEAD BOLT	1	
12		6001ZZ BALL BEARING	2	
13		SERIAL PLATE	1	
14		CE STICKER	1	

SN.No.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN		NOM	SIDE FRAME MECH ASSY - R	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM	IN mm	TREATMENT	_____	
SCALE	NTS	SURFACE TREATMENT	_____	
APP				
DATE	09.02.2018	DRG No:- TD 2 B 37 C 00	REV 0	SHEET 1 OF 1





SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 37 C A1	BACK REST TUBE - R	1	
2	TD 2 B 37 C A2	TOP TUBE SIDE FRAME - R	1	
3	TD 2 B 37 C A3	CASTOR MOUNT TUBE - R	1	
4	TD 2 B 37 C A4	SIDE GUARD - R	1	
5	TD 2 B 37 B A2	ARM REST TUBE	1	
6	TD 2 B 37 B A4	LOCK OUT BAR/PIVOT	1	
7	TD 2 B 37 B A5	SUPPORT CAP - GENNERIC	2	
8	TD 2 B 37 B A7	FOOT REAT HEIGHT CLAMP	1	
9	TD 2 B 37 B A9	CASTOR BARREL TWO HOLES	1	
10	TD 2 B 37 B 01	X BRACE FRAME PIVOT	4	
11	TD 2 B 37 B 02	STRAP MOUNTING SINGLE	1	
12	TD 2 B 37 B 03	X BRACE ADJUSTABLE BAR	2	

SNo.	REGION	REVISION	DATE	SIGN
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**REVISIONS**



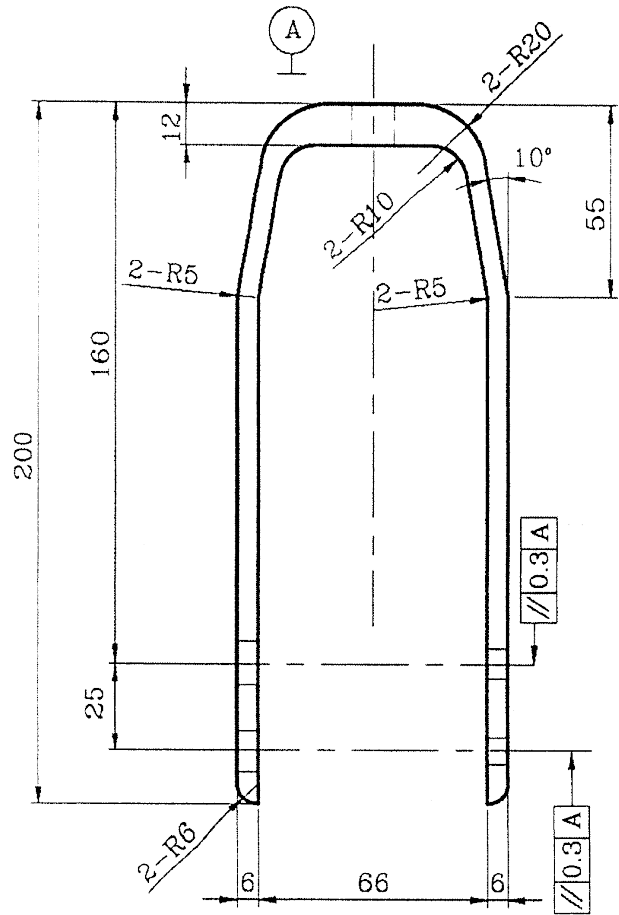
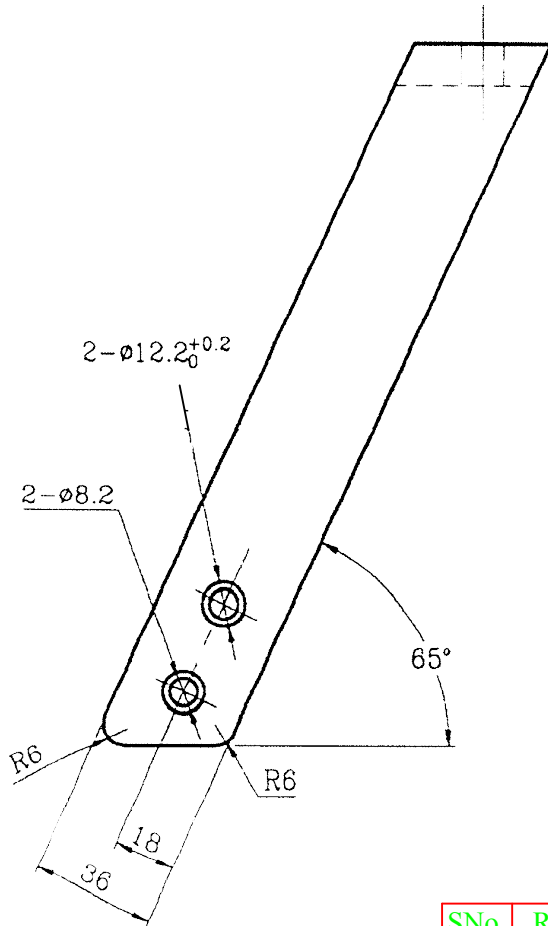
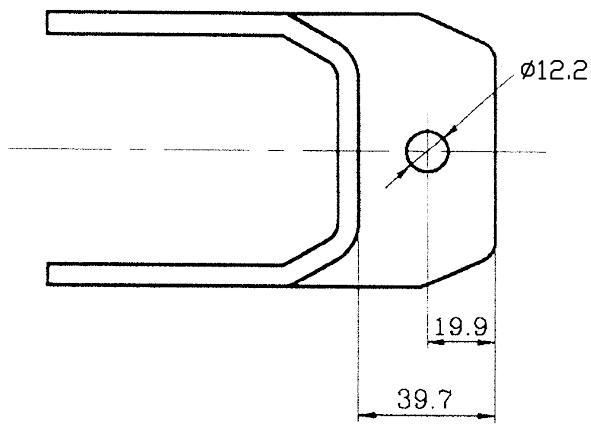
ARTIFICIAL LIMBS  
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KANPUR



Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

DGN	NOM	SIDE FRAME WELD ASSY - R
DRN	MTL	_____
CHD	HEAT TREATMENT	_____
DIM	IN mm	_____
SCALE	NTS	_____
APP	SURFACE TREATMENT	_____
DATE	09.02.2018	DRG No:- TD 2 B 37 C A0
	REV 0	SHEET 1 OF 1



Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

SN0.	REGION	REVISION	DATE	SIGN
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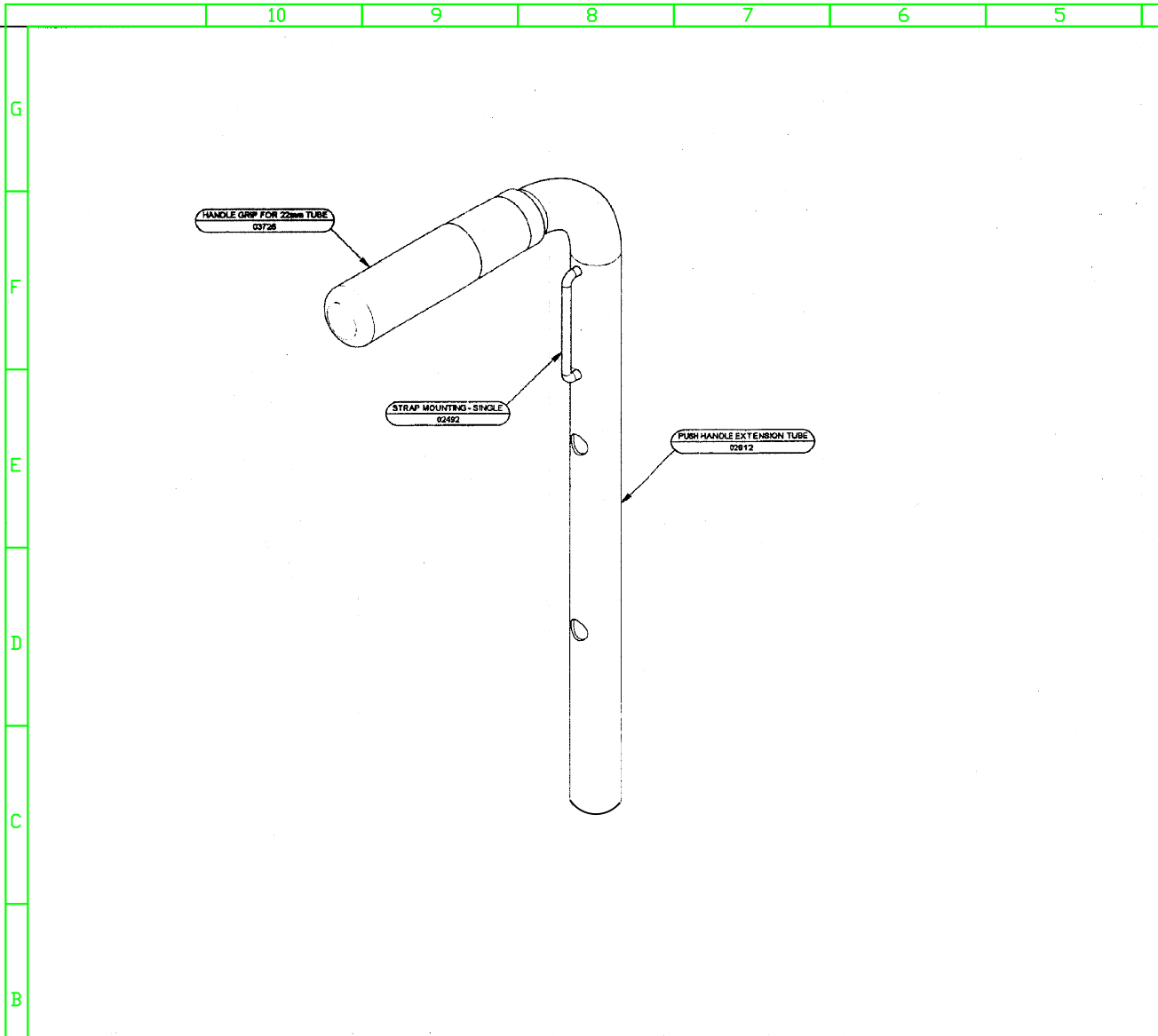
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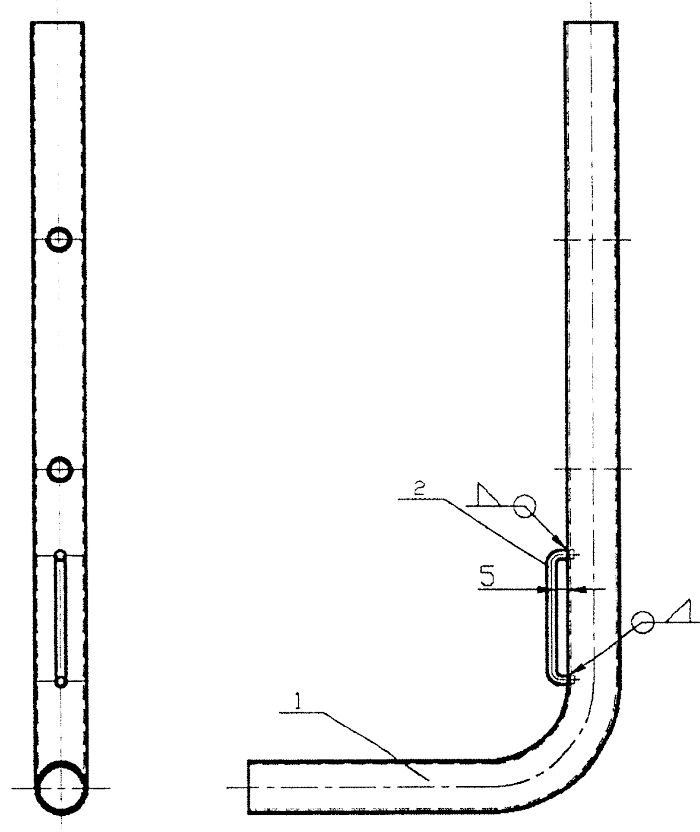
DGN	NOM	CASTOR FORK FOR Ø150 WHEEL		
DRN	MTL	ALUMINIUM 6061 EXTRUDED		
CHD	HEAT TREATMENT	T6		
DIM IN mm	SURFACE TREATMENT	_____		
SCALE NTS	APP	DRG No:-	TD 2 B 37 D 03	REV 0
DATE 09.02.2018				SHEET 10F1



SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 37 E A0	PUSH HANDLE EXTENSION WELD ASSY	1	
2	TD 2 B 37 E 01	HANDLE GRIP FOR 22mm TUBE	1	

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
		ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR		
DGN		NOM	EXTENDABLE PUSH HANDLE	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM	IN mm	TREATMENT	_____	
SCALE	NTS	SURFACE TREATMENT	_____	
APP		DRG No:- TD 2 B 37 E 00		REV SHEET 0 1 OF 1
DATE	09.02.2018			

SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 37 E A1	PUSH HANDLE EXTENSION TUBE	1	
2	TD 2 B 37 E A2	STRAP MOUNTING SINGLE	1	



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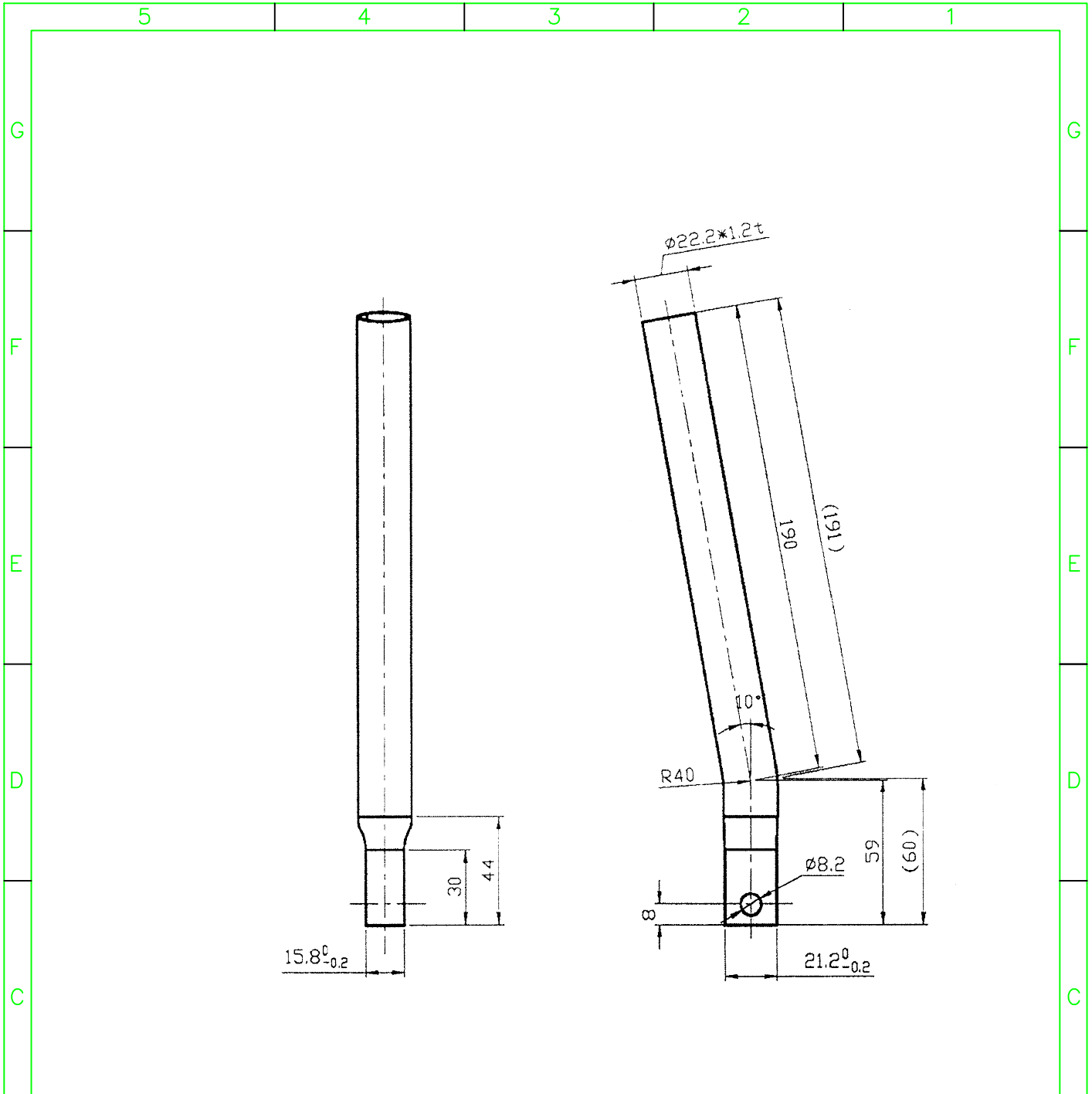
ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



DGN		NOM	PUSH HANDLE EXTENSION WELD ASSY	
DRN		MTL	_____	
CHD		HEAT TREATMENT	_____	
DIM	IN mm	SURFACE TREATMENT	_____	
SCALE	NTS			
APP		DRG No:- TD 2 B 37 E A0	REV	SHEET
DATE	09.02.2018		0	10F1

Tolerance wherever not specified

Dim	Tolerance Range		
1\ 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5



SNNo.	REGION	REVISION	DATE	SIGN
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OF INDIA  
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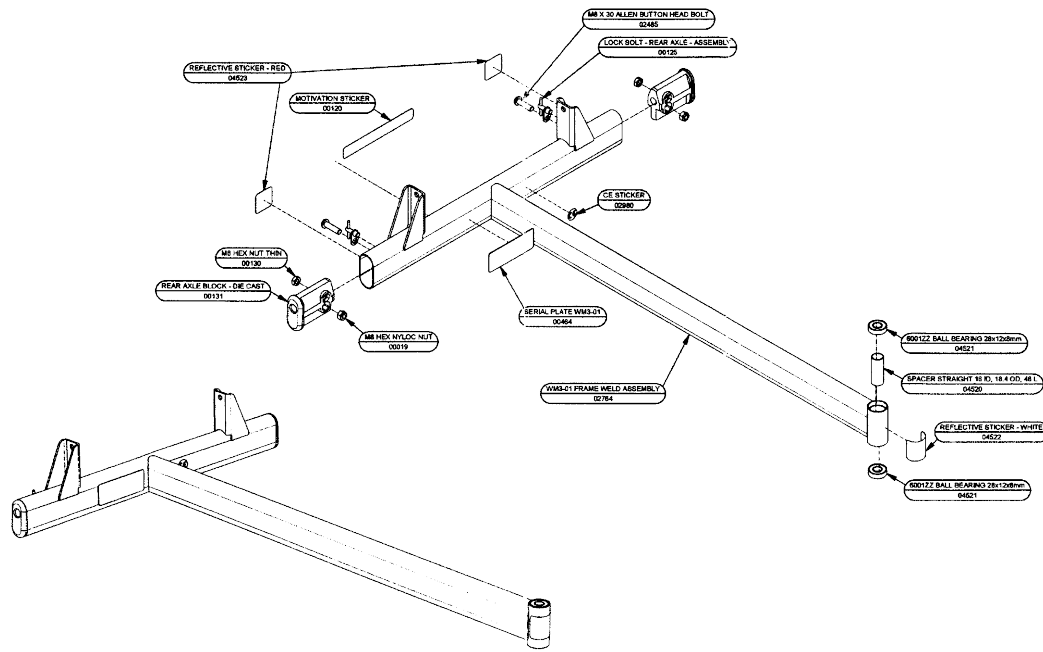


DGN		NOM	FOOT REST HEIGHT TUBE ANGLED	
DRN		MTL	ERW STEEL TUBE STKM11A	
CHD		HEAT TREATMENT	_____	
DIM	IN mm	SURFACE TREATMENT	_____	
SCALE	NTS			
APP		DRG No:- TD 2 B 37 F 02	REV	SHEET
DATE	09.02.2018		0	10F1



Tolerance wherever not specified

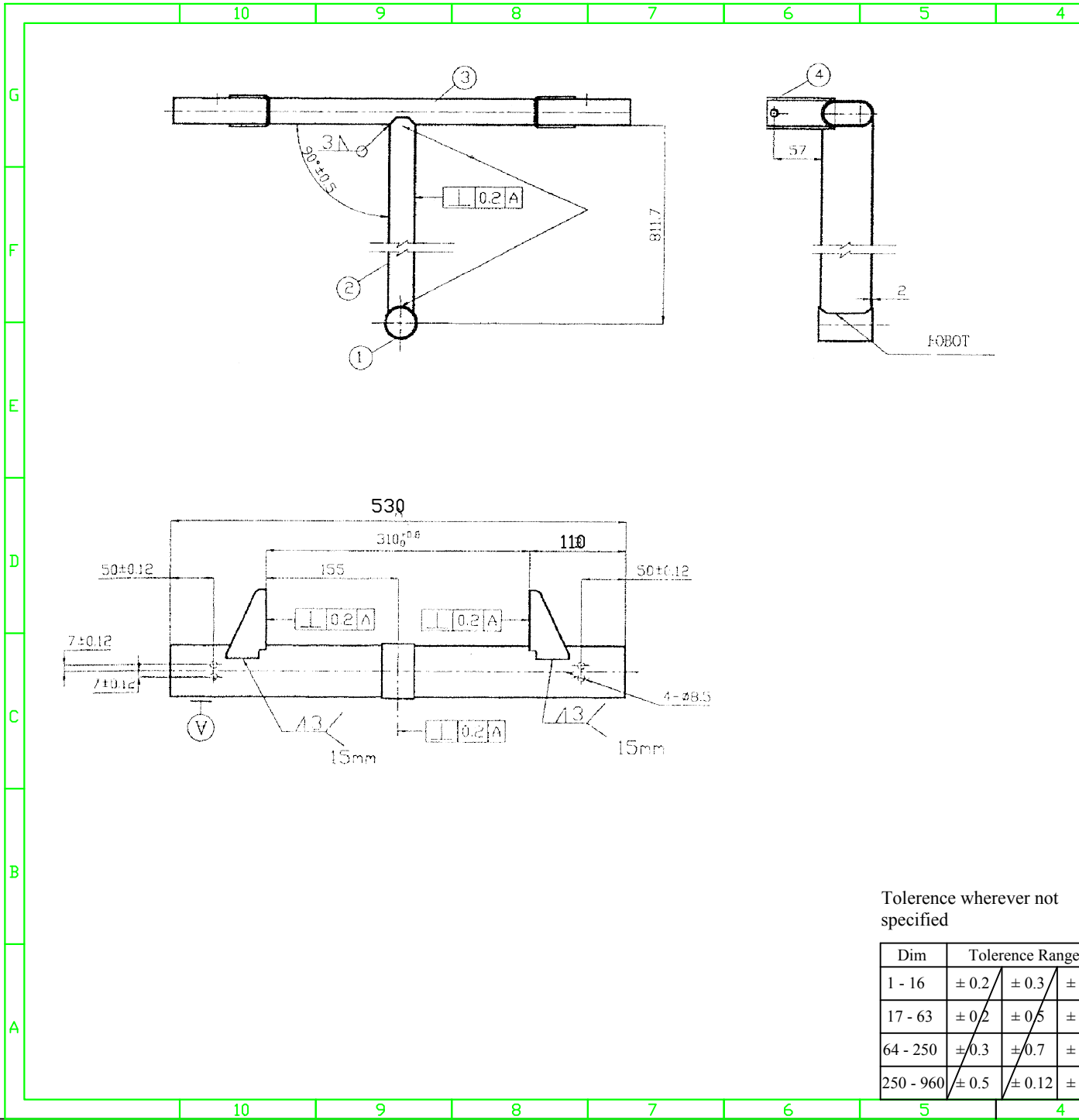
Dim	Tolerance Range		
1\ 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

**TD2B36000**





SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 36 A A0	FRAME WELD ASSY	1	
2	TD 2 B 36 A B0	LOCK BOLT REAR AXLE ASSY	2	
3	TD 2 B 36 A 01	REAR AXLE BOLT DIE CAST	2	
4	TD 2 B 36 A 02	SPACER STRAIGHT	1	
5	TD 2 B 36 A 03	SERIAL PLATE	1	
6	TD 2 B 36 A 04	CE STICKER	1	
7	TD 2 B 36 A 05	REFLECTIVE STICKER - RED	2	
8	TD 2 B 36 A 06	MOTIVATION STICKER	1	
9	TD 2 B 36 A 07	REFLECTIVE STICKER - WHITE	1	
10		6001ZZ BALL BEARING 28x12x8	2	
11		M8 HEX NUT THIN	2	
12		M8 HEX NYLOCK NUT	2	
13		M8x30 ALLEN BUTTON HEAD BOLT	2	

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 <b>ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR</b> 				
DGN		NOM	FRAME-PRE-ASSEMBLY	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM	IN mm	TREATMENT	_____	
SCALE	NTS	SURFACE TREATMENT	_____	
APP				
DATE	15.01.2018	DRG No:- TD 2 B 36 A 00	REV 0	SHEET 1 OF 1



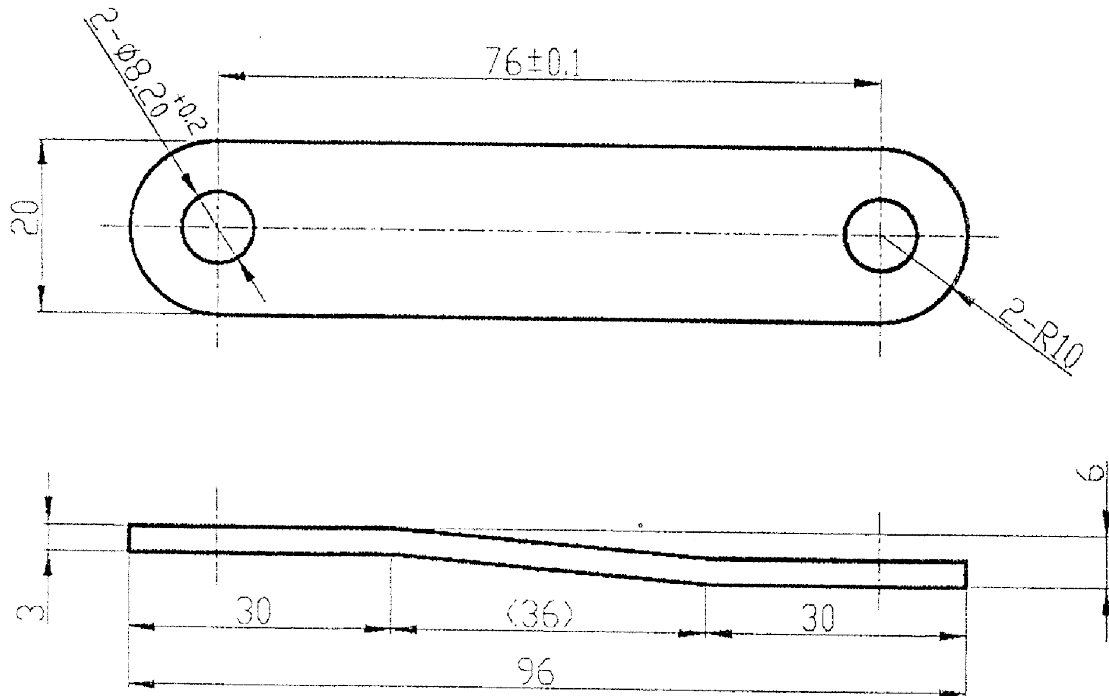
SL.No	DRAWING No	NOMENCLATURE	QTY	REMARK
1	TD 2 B 36 A A1	CASTOR BARREL	1	
2	TD 2 B 36 A A2	MAIN TUBE - FRAME	1	
3	TD 2 B 36 A A3	CROSS TUBE FRAME	1	
4	TD 2 B 36 A A4	REAR BRACKET FRAME	2	

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN		NOM	FRAME WELD ASSY	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM	IN mm	TREATMENT	_____	
SCALE	NTS	SURFACE TREATMENT	_____	
APP		DRG No:- TD 2 B 36 A A0	REV	SHEET
DATE	15.01.2018		0	1 OF 1

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5





SNNo.	REGION	REVISION	DATE	SIGN
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### REVISIONS



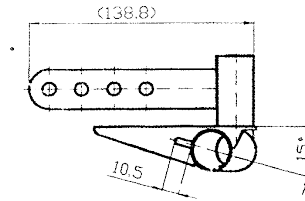
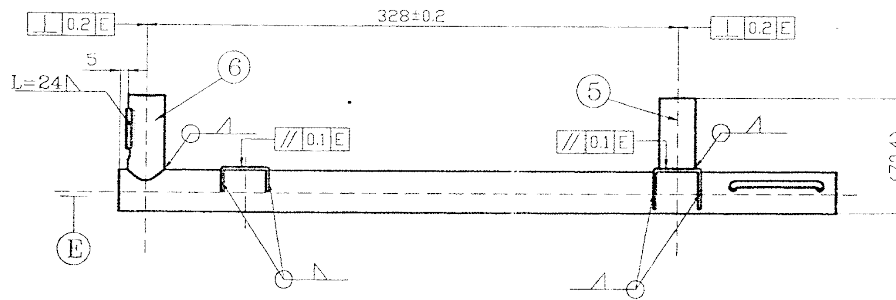
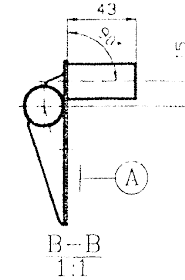
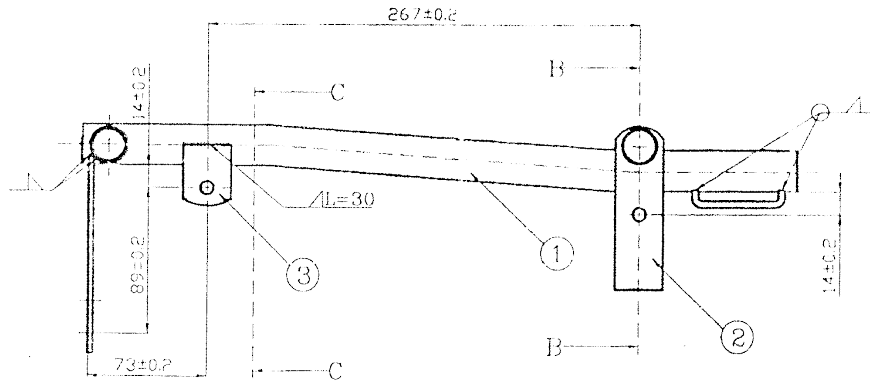
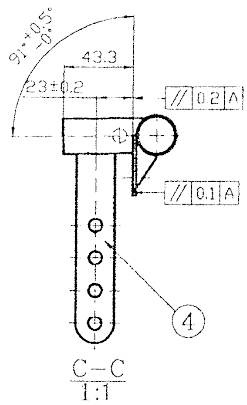
ARTIFICIAL LIMBS  
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OF INDIA  
KANPUR



DGN		NOM	ANGLED FLAT STRIP	
DRN		MTL	SHEEY STEEL (GJIS G413) SPCC	
CHD		HEAT TREATMENT	_____	
DIM	IN mm	SURFACE TREATMENT	_____	
SCALE	NTS			
APP		DRG No:-	TD 2 B 36 C 01	REV 0
DATE	15.01.2018			SHEET 10F1

Tolerance wherever not specified

Dim	Tolerance Range		
1\ 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5



7	TD 2 B 36 C A7	STRAP MOUNTING SINGLE	1	
6	TD 2 B 36 C A6	TUBULAR MOUNTING SOCKET-LONG	1	
5	TD 2 B 36 C A5	TUBULAR MOUNTING SOCKET-SHORT	1	
4	TD 2 B 36 C A4	ADJUSTABLE FLAT STRIP	1	
3	TD 2 B 36 C A3	SHORT MOUNTING BRACKET	1	
2	TD 2 B 36 C A2	LONG MOUNTING BRACKET	1	
1	TD 2 B 36 C A1	ARMREST MOUNTING ANGLED TUBE - L	1	
SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK

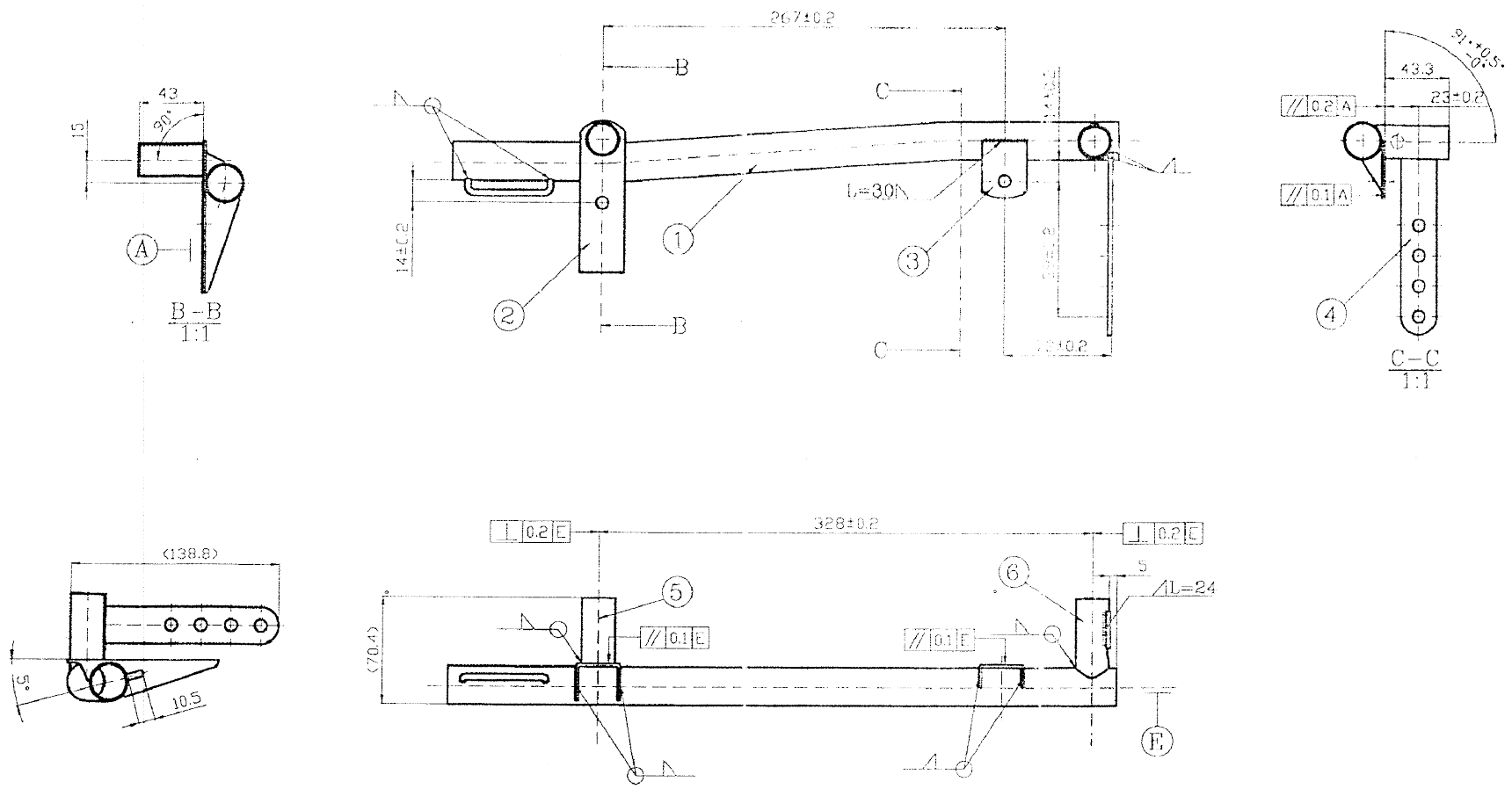
Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	±0.2	±0.3	±0.4
17 - 63	±0.2	±0.5	±0.7
64 - 250	±0.3	±0.7	±1.0
250 - 960	±0.5	±1.12	±1.5

SN.No.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR				
DGN		NOM	TUBULAR ARMREST MOUNTING WELD ASSY - L	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM IN mm		TREATMENT	_____	
SCALE NTS		SURFACE TREATMENT	_____	
APP		DRG No:- TD 2 B 36 C A0	REV 0	SHEET 1 OF 1
DATE		15.01.2018		

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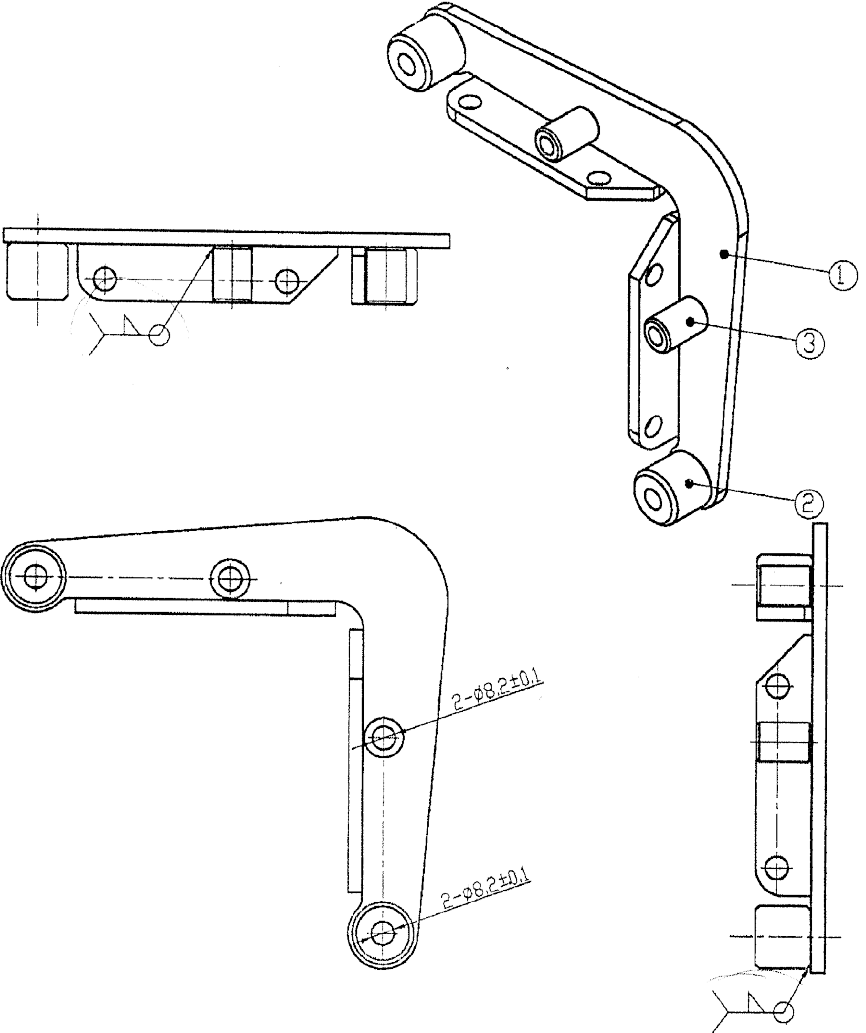
7	TD 2 B 36 C A7	STRAP MOUNTING SINGLE	1	
6	TD 2 B 36 C A6	TUBULAR MOUNTING SOCKET-LONG	1	
5	TD 2 B 36 C A5	TUBULAR MOUNTING SOCKET-SHORT	1	
4	TD 2 B 36 C A4	ADJUSTABLE FLAT STRIP	1	
3	TD 2 B 36 C A3	SHORT MOUNTING BRACKET	1	
2	TD 2 B 36 C A2	LONG MOUNTING BRACKET	1	
1	TD 2 B 36 C B1	ARMREST MOUNTING ANGLED TUBE -L	1	
SL.No	DRAWING No	NOMENCLATURE	QTY	REMARK

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	±0.2	±0.3	±0.4
17 - 63	±0.2	±0.5	±0.7
64 - 250	±0.3	±0.7	±1.0
250 - 960	±0.5	±1.2	±1.5

SN.No.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR				
DGN	NOM	TUBULAR ARM REST MOUNTING WELD ASSY - R		
DRN	MTL	_____		
CHD	HEAT	_____		
DIM	TREATMENT	_____		
SCALE	SURFACE TREATMENT	_____		
APP	DRG No:- TD 2 B 36 C B0	REV	SHEET	
DATE	15.01.2018	0	1 OF 1	



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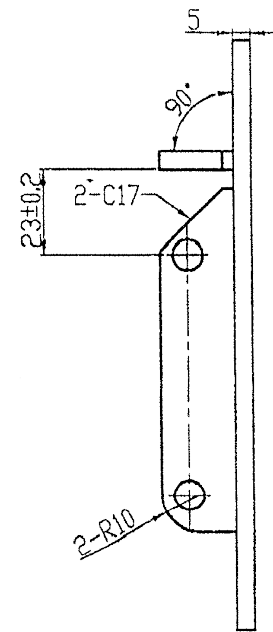
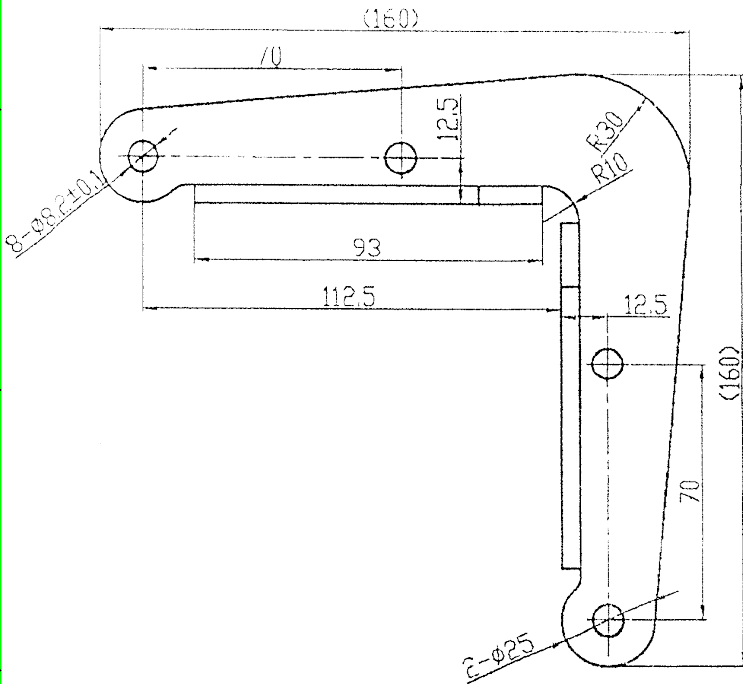
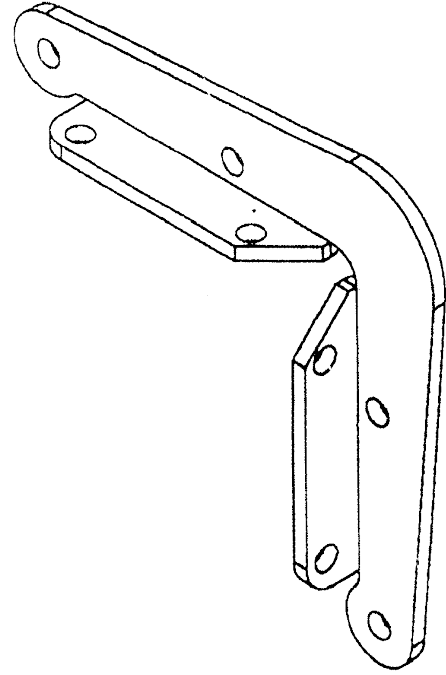
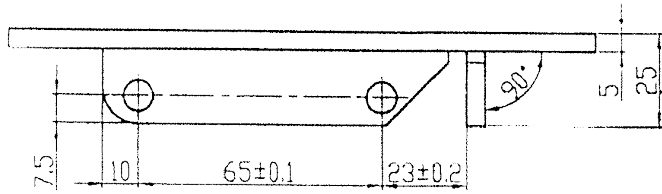


SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 36 C C1	REAR SEAT SUPPORT	1	
2	TD 2 B 36 C C2	HINGE SPACER	2	
3	TD 2 B 36 C C3	SUPPORT SPACER	2	

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 <b>ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR</b> 				
DGN		NOM	REAR SEAT SUPPORT WELDMENT	
DRN		MTL	STEEL MILD	
CHD		HEAT	_____	
DIM	IN mm	TREATMENT	_____	
SCALE	NTS	SURFACE TREATMENT	_____	
APP				
DATE	15.01.2018	DRG No:- TD 2 B 36 C C0	REV 0	SHEET 1 OF 1



SNNo.	REGION	REVISION	DATE	SIGN
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### REVISIONS



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



DGN	NOM	REAR SEAT SUPPORT		
DRN	MTL	SHEET STEEL (JIS G 313) SPHC		
CHD	HEAT TREATMENT	_____		
DIM	IN mm	_____		
SCALE	NTS	SURFACE TREATMENT _____		
APP	DRG No:- TD 2 B 36 C C1	REV	SHEET	
DATE	15.01.2018	0	10F1	

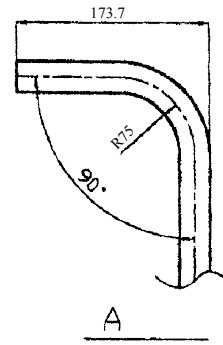
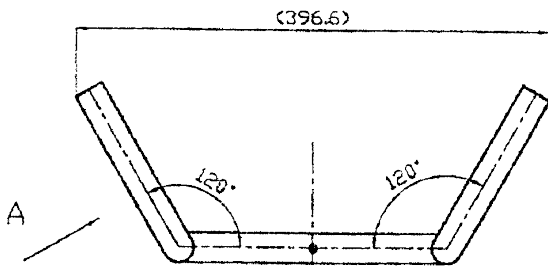
Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

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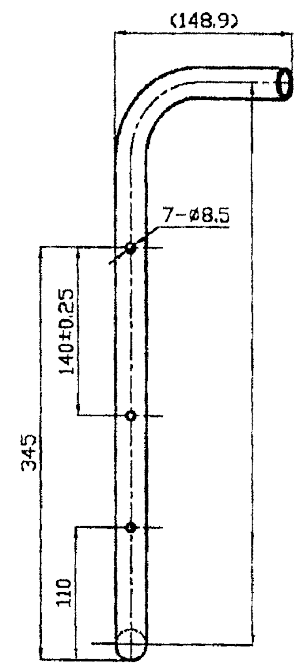
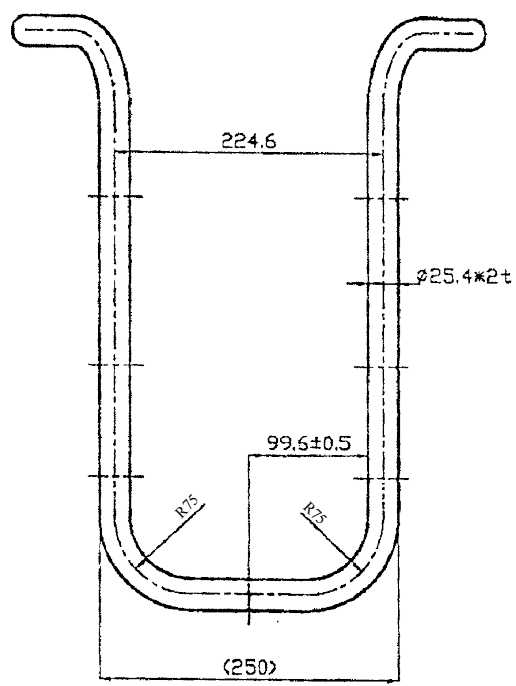
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SN0.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 <b>ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR</b> 				
DGN		NOM	PUSH HANDLE TUBE	
DRN		MTL	AL. 6061	
CHD		HEAT TREATMENT	_____	
DIM	IN mm	SURFACE TREATMENT	_____	
SCALE	NTS 			
APP		DRG No:- TD 2 B 36 D 01	REV	SHEET
DATE	15.01.2018		0	10F1

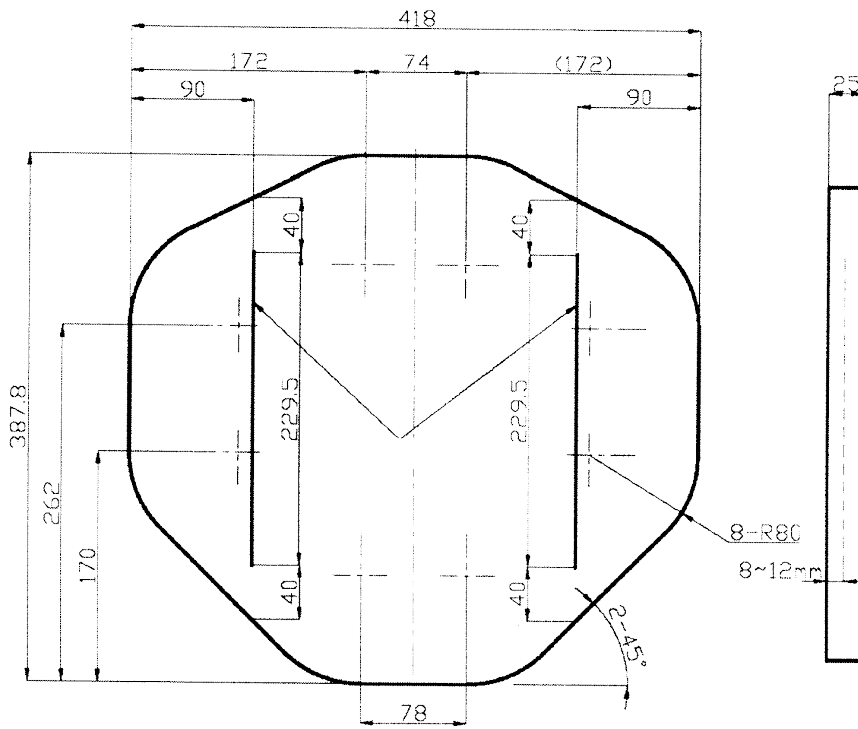
Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

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Hardness 70 , density 40 kg/m<sup>3</sup>

SN <sub>o</sub> .	REGION	REVISION	DATE	SIGN
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**REVISIONS**



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR

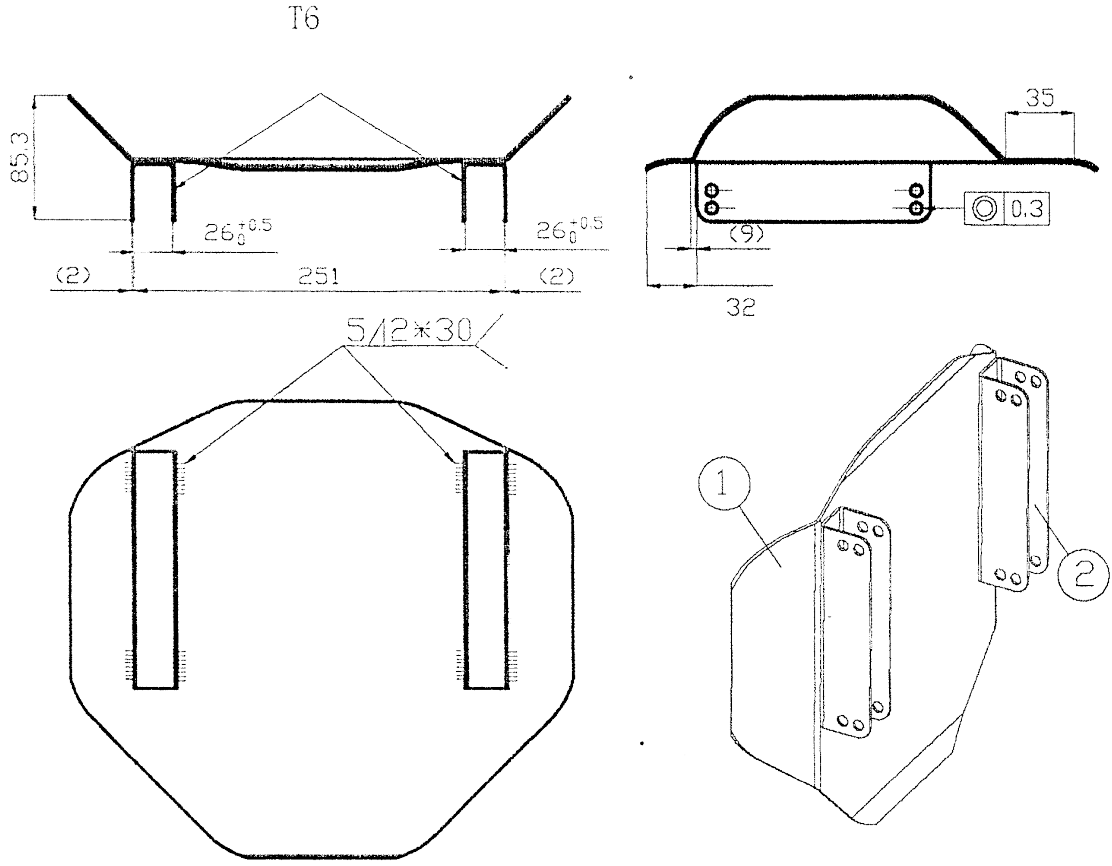




DGN		NOM	BACK REST FOAM	
DRN		MTL	POLYURETHANE FOAM	
CHD		HEAT TREATMENT		
DIM	IN mm	SURFACE TREATMENT		
SCALE	NTS			
APP		DRG No:-	TD 2 B 36 D 03	REV 0
DATE	15.01.2018			SHEET 10F1

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 36 D A1	BACKREST SHELL PANEL	1	
2	TD 2 B 36 D A2	BACKREST SHELL BRACKET	2	



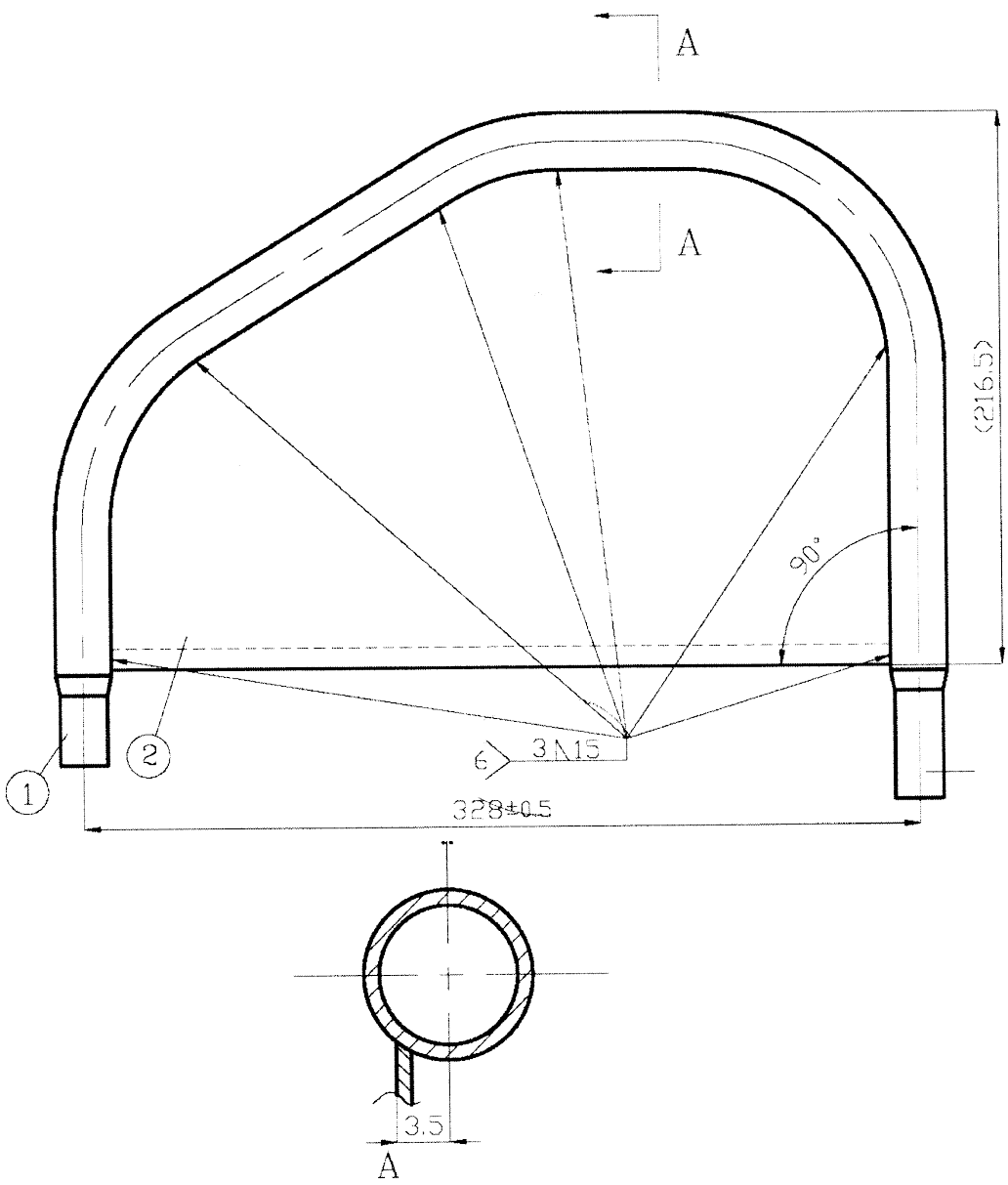
SN0.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 <b>ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR</b> 				
DGN		NOM	SOLID BACK REST SHELL WELDMENT	
DRN		MTL	_____	
CHD		HEAT TREATMENT	_____	
DIM	IN mm	SURFACE TREATMENT	_____	
SCALE	NTS			
APP		DRG No:-	TD 2 B 36 D A0	REV SHEET 0 10F1
DATE	15.01.2018			

Tolerance wherever not specified

Dim	Tolerance Range		
1\ 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5



SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 36 E 01	ARMREST TUBE - CURVED	1	
2	TD 2 B 36 E 02	TUBULAR ARMREST ASSY	1	



SN0.	REGION	REVISION	DATE	SIGN
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**REVISIONS**



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MANUFACTURING CORPORATION  
OF INDIA  
KANPUR

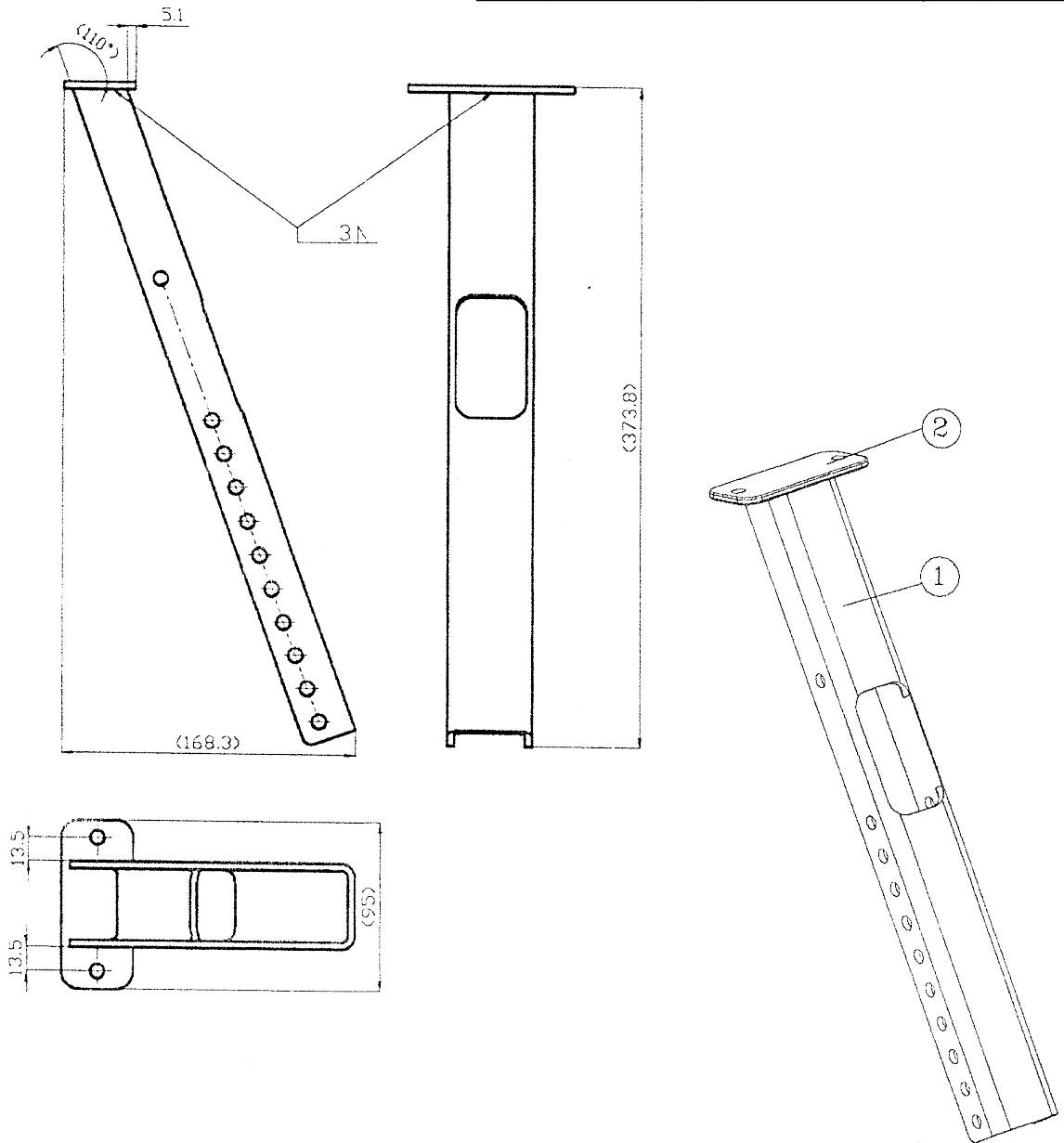


DGN	NOM	TUBULAR ARM REST ASSY		
DRN	MTL	_____		
CHD	HEAT TREATMENT	_____		
DIM	IN mm	_____		
SCALE	NTS	SURFACE TREATMENT	_____	
APP				
DATE	15.01.2018	DRG No:- TD 2 B 36 E 00	REV 0	SHEET 10F1

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 36 F 01	FOOTREST SUPPORT - BRACKET	1	
2	TD 2 B 36 F 02	FOOTREST SUPPORT - PLATE	1	



SNNo.	REGION	REVISION	DATE	SIGN
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### REVISIONS



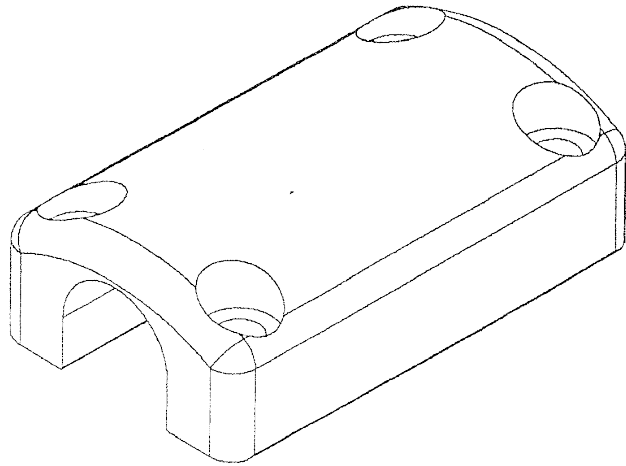
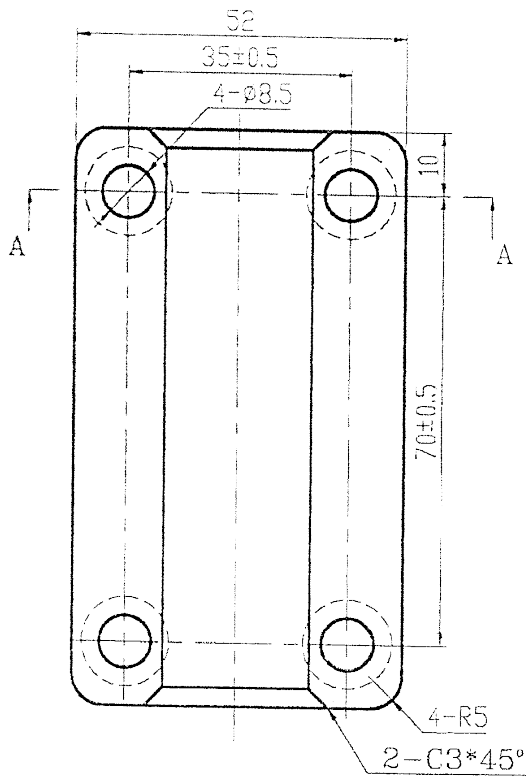
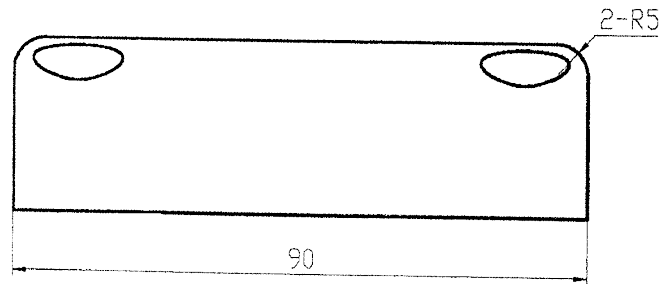
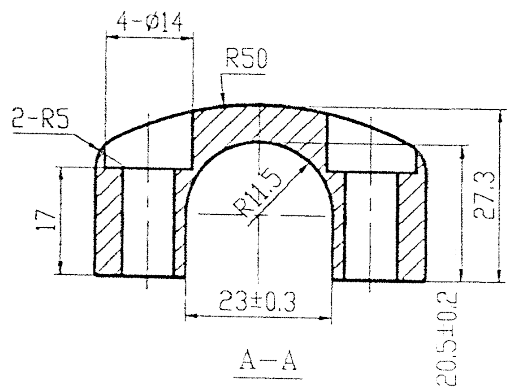
ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



DGN	NOM	FOOTREST SUPPORT WELDMENT		
DRN	MTL	_____		
CHD	HEAT TREATMENT	_____		
DIM IN mm	SURFACE TREATMENT	_____		
SCALE NTS				
APP	DRG No:- TD 2 B 36 F 00	REV	SHEET	
DATE 15.01.2018		0	10F1	

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5



SNNo.	REGION	REVISION	DATE	SIGN
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### REVISIONS



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR

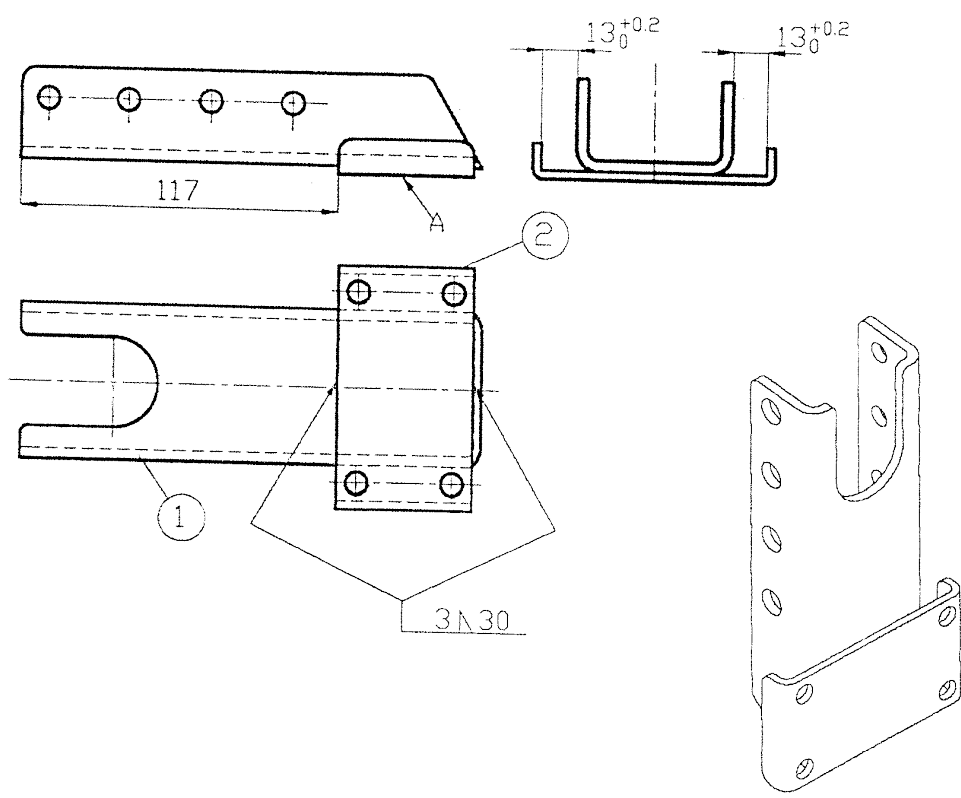


DGN		NOM	FOOT PLATE TUBE CLAMP	
DRN		MTL	-----	
CHD		HEAT TREATMENT	-----	
DIM	IN mm	SURFACE TREATMENT	-----	
SCALE	NTS			
APP		DRG No:- TD 2 B 36 G 01	REV	SHEET
DATE	15.01.2018		0	10F1

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 36 G A1	FOOTREST SLIDING BRACKET	1	
2	TD 2 B 36 G A2	FOOT PLATE TUBE BRACKET	1	



SN0.	REGION	REVISION	DATE	SIGN
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**REVISIONS**



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR

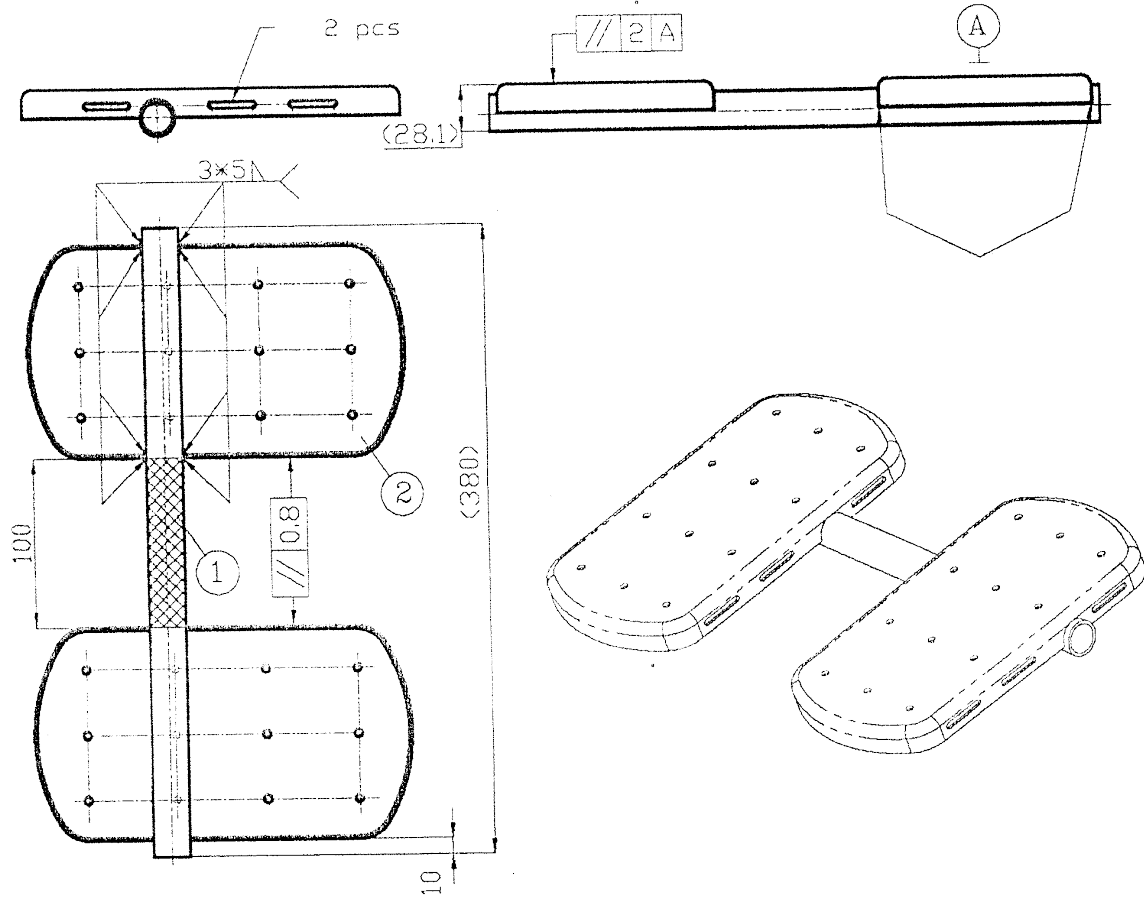


DGN	NOM	FOOTREST SLIDING BRACKET ASSY		
DRN	MTL	_____		
CHD	HEAT TREATMENT	_____		
DIM IN mm	SURFACE TREATMENT	_____		
SCALE NTS		_____		
APP	DRG No:- TD 2 B 36 G A0	REV 0	SHEET 10F1	
DATE 15.01.2018				

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 B 36 G B1	FOOT PLATE TUBE	1	
2	TD 2 B 36 G B2	FOOT PLATE	2	



SNNo.	REGION	REVISION	DATE	SIGN
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### REVISIONS



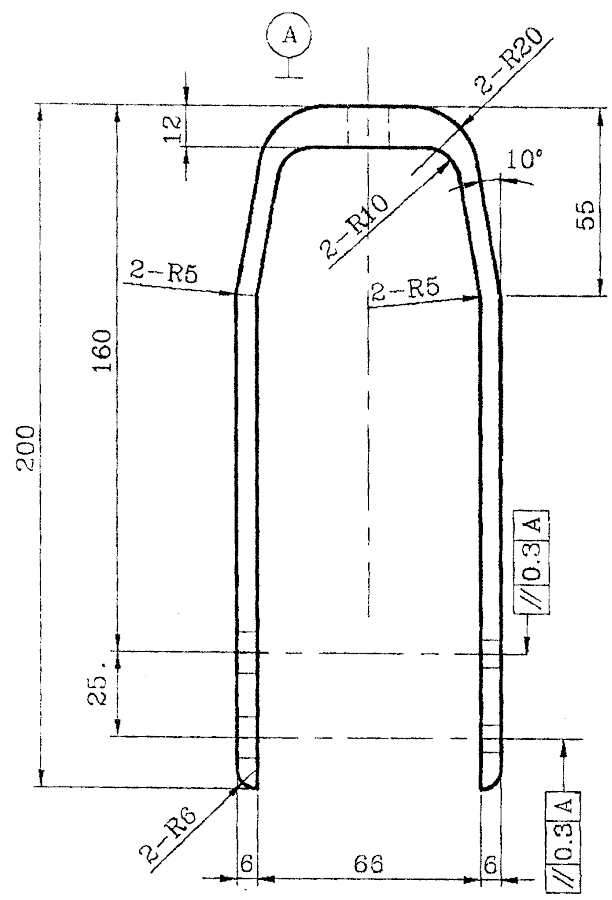
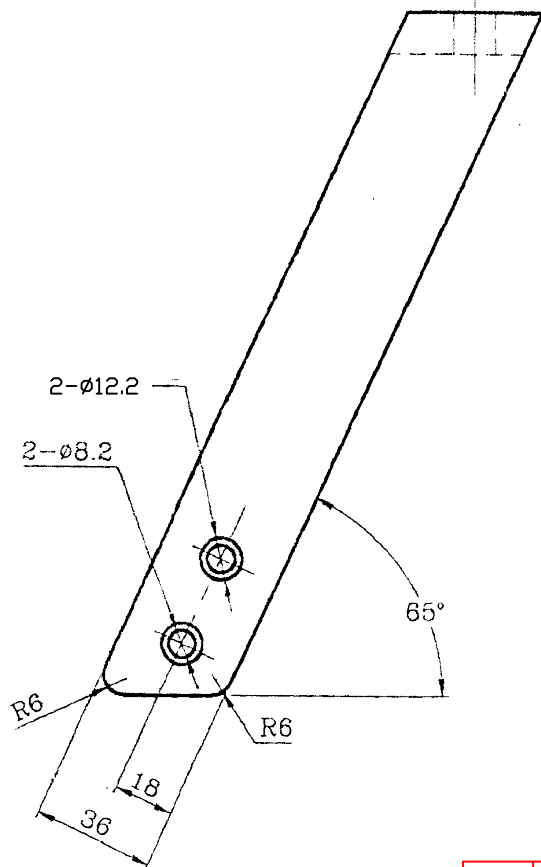
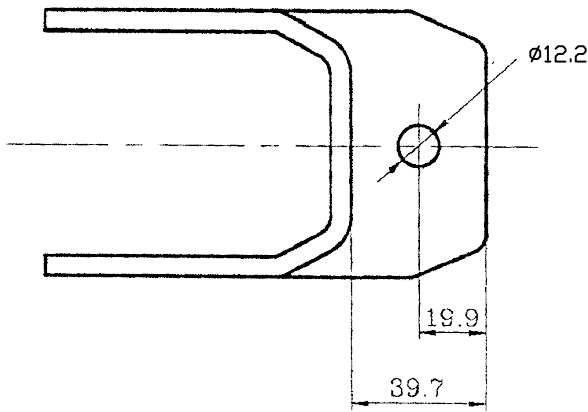
ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



DGN	NOM	FOOT PLATE WELD ASSY		
DRN	MTL	_____		
CHD	HEAT TREATMENT	_____		
DIM IN mm	SURFACE TREATMENT	_____		
SCALE NTS				
APP	DRG No:- TD 2 B 36 G B0	REV	SHEET	
DATE 15.01.2018		0	10F1	

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5



SN.No.	REGION	REVISION	DATE	SIGN
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**REVISIONS**



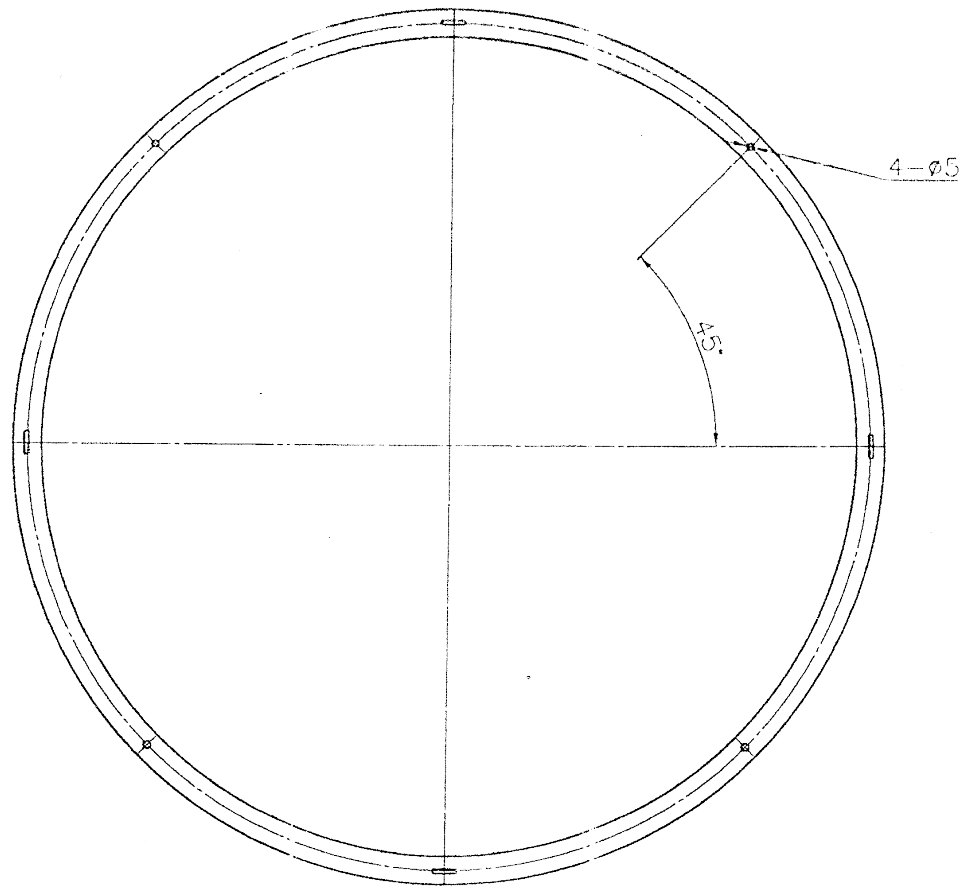
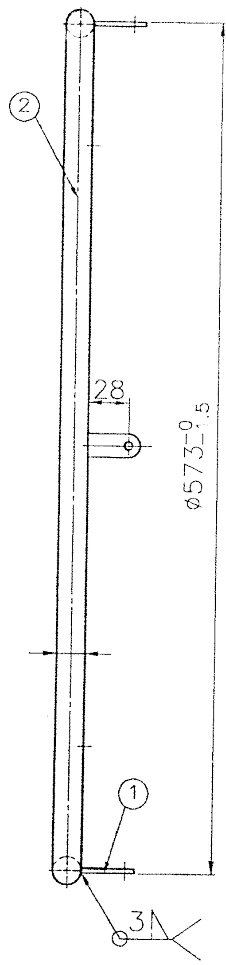
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MANUFACTURING CORPORATION  
OF INDIA  
KANPUR





DGN	NOM	CASTOR FORK		
DRN	MTL	AL 60061 EXTRUDED		
CHD	HEAT TREATMENT	T6		
DIM	SURFACE TREATMENT	_____		
SCALE	NTS	DRG No:- TD 2 B 61 H 01	REV 0	SHEET 10F1
APP	DATE	15.01.2018		

Tolerance wherever not specified

Dim	Tolerance Range		
1 - 16	± 0.2	± 0.3	± 0.4
17 - 63	± 0.2	± 0.5	± 0.7
64 - 250	± 0.3	± 0.7	± 1.0
250 - 960	± 0.5	± 0.12	± 1.5

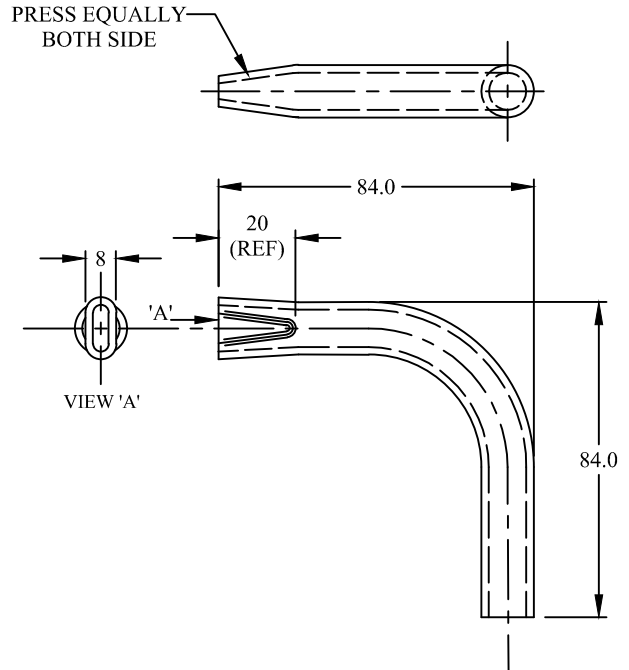
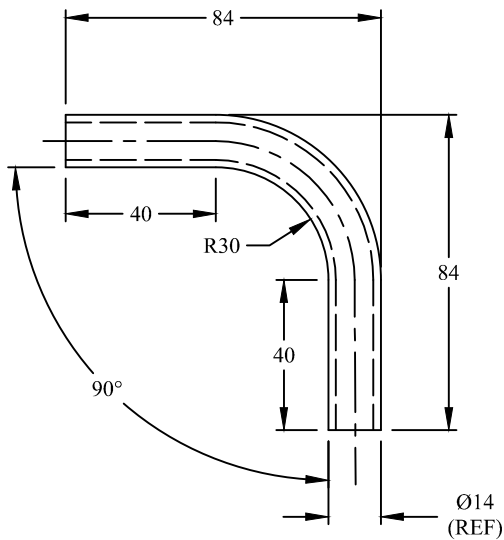


2	TD 2 B 36 J C2	HAND RIM	1	
1	TD 2 B 36 J C1	PUSH RING TAB	4	
SL.No	DRAWING No.	NOMENCLATURE	QTY	REMARK

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN		NOM	STEEL PUSH RIM ASSY FOR 26" WHEEL	
DRN		MTL	---	
CHD		HEAT	---	
DIM	IN mm	TREATMENT	---	
SCALE	NTS	SURFACE TREATMENT	---	
APP		DRG No:-	TD 2 B 36 J C0	REV SHEET 0 1 OF 1
DATE	15.01.2018			

**TD2P02/04**





PROVISIONAL

NOTE:-  
TOLERANCE:--

REMOVE SHARP EDGES & CORNERS  
DEVIATION FOR NON TOLERANCED DIMENSIONS  
(ISI:2102 MEDIUM)

DIAMETER & LENGTHS BETWEEN	TOLERANCE	LENGTH IN MM OF SHORTER SIDE OF ANGLE UPTO & INCL.	TOLERANCE
0.5 up to 6	±0.1	Up to 10	±1°00'
Over 6 up to 30	±0.2	Over 10 upto 50	±0°30'
Over 30 up to 120	±0.3	Over 50 upto 120	±0°20'
Over 120 up to 315	±0.5	Over 120 upto 400	±0°10'
Over 315 up to 1000	±0.8		
Over 1000 up to 2000	±1.2		
Over 2000 up to 4000	±2.0		

MACHINING FINISH IN MICRONS  
 ▽ 8 - 25   ▽▽ 1.6 - 8   ▽▽▽ 0.025 - 1.6   ▽▽▽▽ <0.025

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SNNo.	REGION	REVISION	DATE	SIGN
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REVISIONS



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



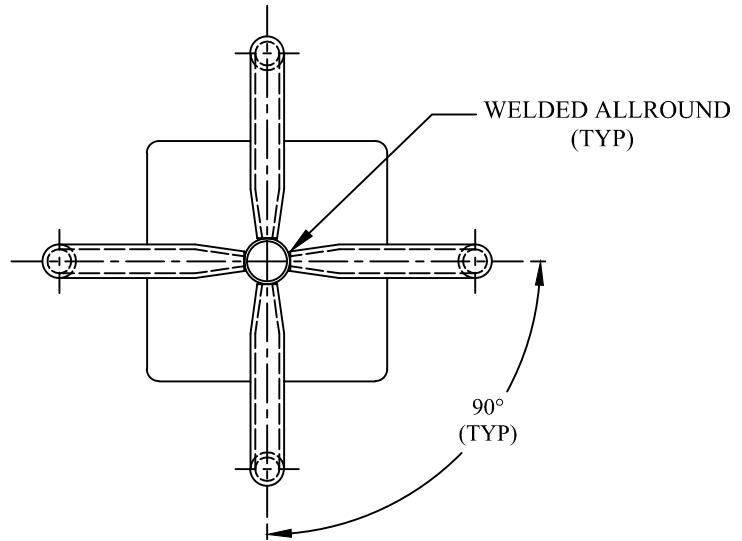
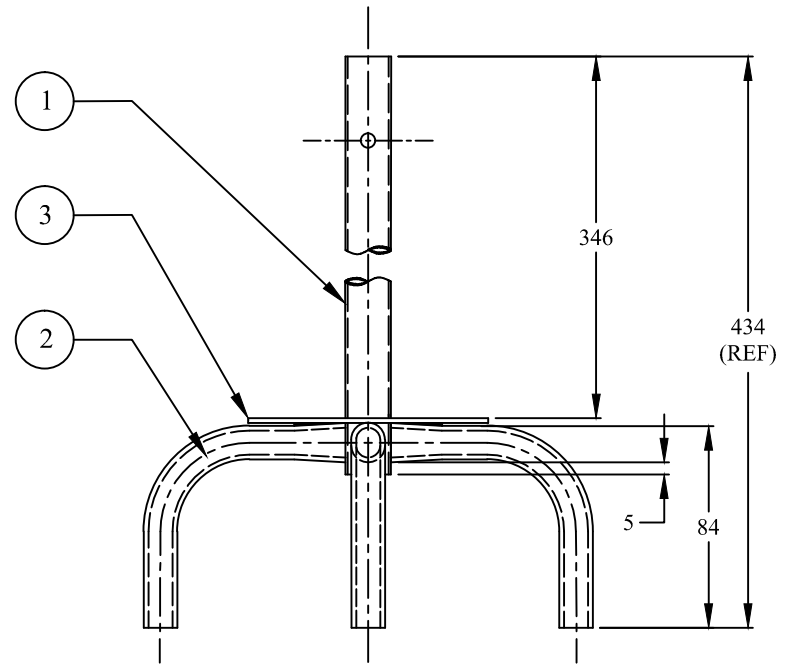
DGN		NOM	LEG TUBE	
DRN		MTL	STEEL TUBE ERW-C1 OD 14 mm, THICK 2mm, ANNEALED (AF 38)	
CHD		HEAT TREATMENT	_____	
DIM	IN mm	SURFACE TREATMENT	_____	
SCALE	NTS			
APP				
DATE	07.02.2017	DRG No:- TD 1 P 02 A 02	SHEET 10F1	

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ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 P 02 A 01	HEIGHT ADJUSTING TUBE	1	
2.	TD 2 P 02 A 02	LEG TUBE	4	
3.	TD 2 P 02 A 03	LEG PLATE	1	



NOTE:-  
1. DRESS ALL WELDED JOINTS.

PROVISIONAL

TOLERANCE:--

DEVIATION FOR NON TOLERANCED DIMENSIONS (IS:2102 (Pt.1) MEDIUM)	
DIAMETER & LENGTHS BETWEEN	LENGTH IN MM OF SHORTER SIDE OF ANGLE UPTO & INCL.
0.5 up to 6 ±0.1	Up to 10 ±1°00'
Over 6 up to 30 ±0.2	Over 10 upto 50 ±0°30'
Over 30 up to 120 ±0.3	Over 50 upto 120 ±0°20'
Over 120 up to 315 ±0.5	Over 120 upto 400 ±0°10'
Over 315 up to 1000 ±0.8	
Over 1000 up to 2000 ±1.2	
Over 2000 up to 4000 ±2.0	

MACHINING FINISH IN MICRONS  
 ▽ 8 - 25 ▽▽ 1.6 - 8 ▽▽▽ 0.025 - 1.6 ▽▽▽▽ <0.025

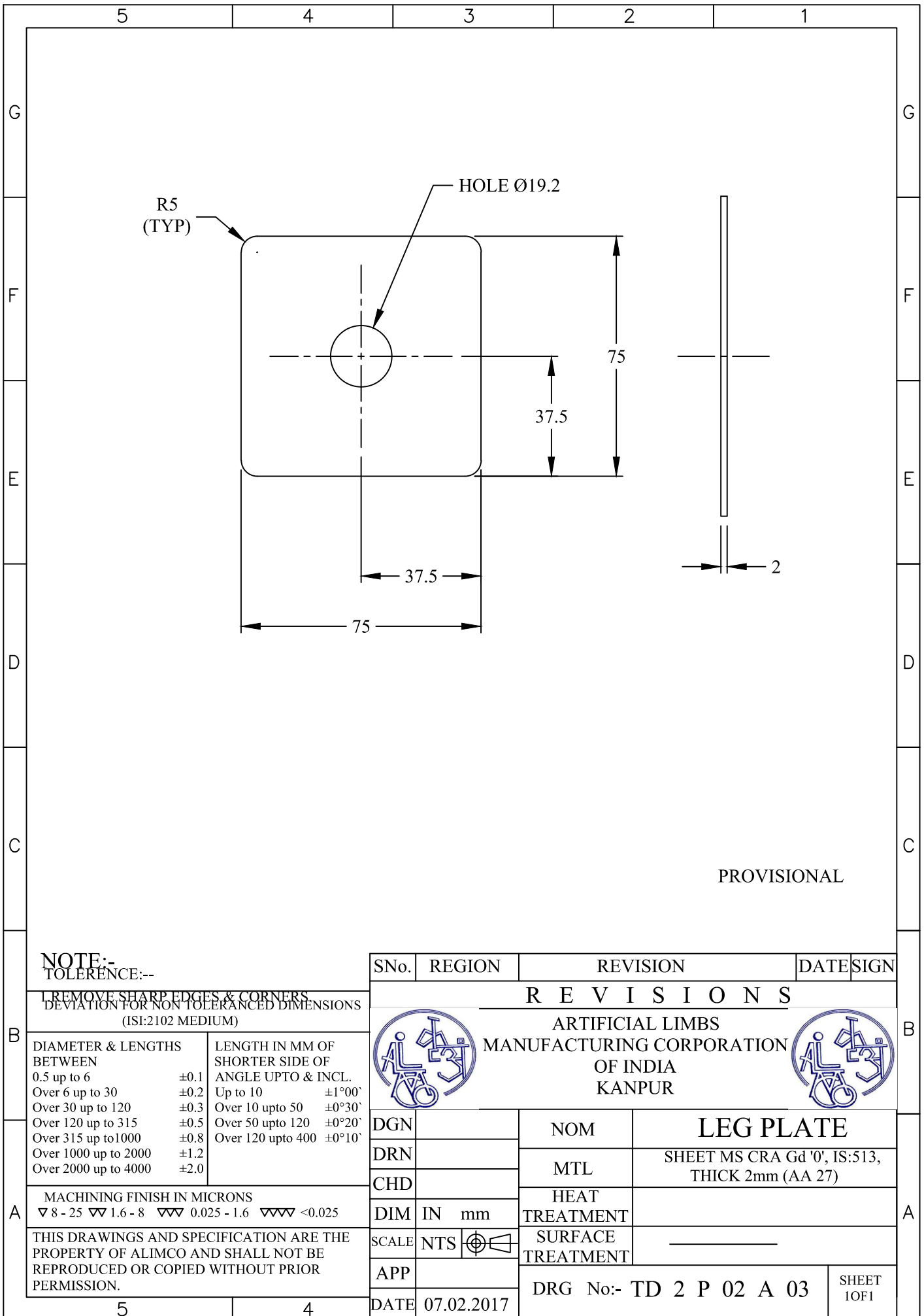
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SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR				
DGN		NOM	LEG TUBE ASSY	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM	IN mm	SURFACE TREATMENT	Ni,Cr. PLATED	
SCALE				
APP				
DATE	08.02.2017	DRG No:- TD 2 P 02 A 00	SHEET 1 OF 1	

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PROVISIONAL

**NOTE:-**  
TOLERANCE:--

REMOVE SHARP EDGES & CORNERS  
DEVIATION FOR NON TOLERANCED DIMENSIONS  
(ISI:2102 MEDIUM)

DIAMETER & LENGTHS BETWEEN	TOLERANCE	LENGTH IN MM OF SHORTER SIDE OF ANGLE UPTO & INCL.	TOLERANCE
0.5 up to 6	±0.1	Up to 10	±1°00'
Over 6 up to 30	±0.2	Over 10 upto 50	±0°30'
Over 30 up to 120	±0.3	Over 50 upto 120	±0°20'
Over 120 up to 315	±0.5	Over 120 upto 400	±0°10'
Over 315 up to 1000	±0.8		
Over 1000 up to 2000	±1.2		
Over 2000 up to 4000	±2.0		

MACHINING FINISH IN MICRONS  
 ▽ 8 - 25   ▽▽ 1.6 - 8   ▽▽▽ 0.025 - 1.6   ▽▽▽▽ <0.025

THIS DRAWINGS AND SPECIFICATION ARE THE PROPERTY OF ALIMCO AND SHALL NOT BE REPRODUCED OR COPIED WITHOUT PRIOR PERMISSION.

SNNo.	REGION	REVISION	DATE	SIGN
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**REVISIONS**

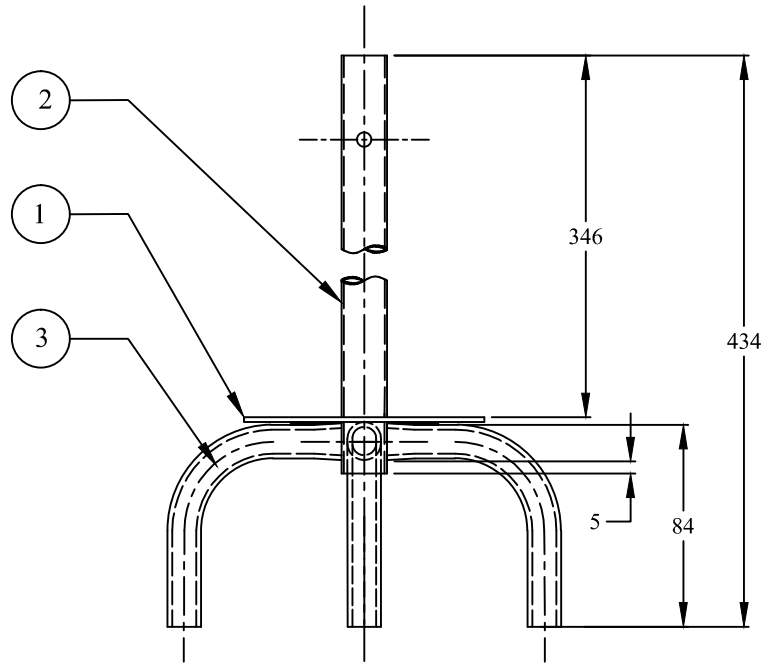


ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



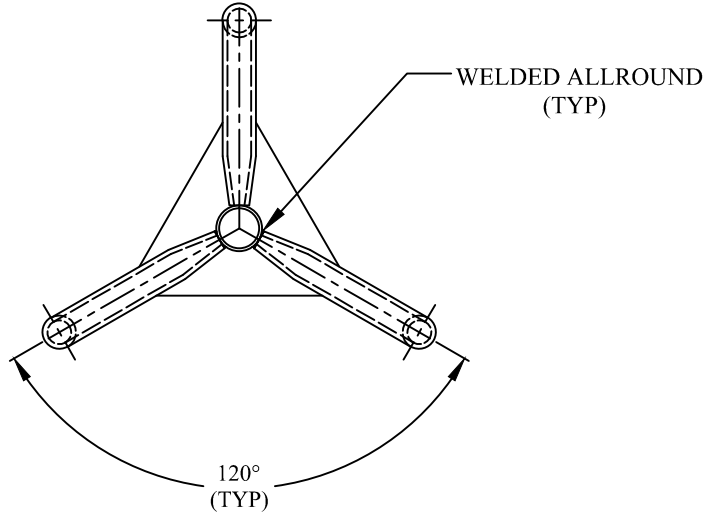
DGN		NOM	<b>LEG PLATE</b>	
DRN		MTL	SHEET MS CRA Gd '0', IS:513, THICK 2mm (AA 27)	
CHD		HEAT TREATMENT		
DIM	IN mm	SURFACE TREATMENT		
SCALE	NTS			
APP				
DATE	07.02.2017	DRG No:- TD 2 P 02 A 03	SHEET 10F1	

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 P 04 A 01	LEG PLATE	1	
2.	TD 2 P 02 A 01	HEIGHT ADJUSTING TUBE	1	
3.	TD 2 P 02 A 02	LEG TUBE	3	



NOTE:-

1. DRESS ALL WELDED JOINTS.



PROVISIONAL

TOLERANCE:--

DEVIATION FOR NON TOLERANCED DIMENSIONS (IS:2102 (Pt.1) MEDIUM)	
DIAMETER & LENGTHS BETWEEN	LENGTH IN MM OF SHORTER SIDE OF ANGLE UPTO & INCL.
0.5 up to 6	±0.1
Over 6 up to 30	±0.2
Over 30 up to 120	±0.3
Over 120 up to 315	±0.5
Over 315 up to 1000	±0.8
Over 1000 up to 2000	±1.2
Over 2000 up to 4000	±2.0
	Up to 10 ±1°00'
	Over 10 upto 50 ±0°30'
	Over 50 upto 120 ±0°20'
	Over 120 upto 400 ±0°10'

MACHINING FINISH IN MICRONS  
 ▽ 8 - 25 ▽▽ 1.6 - 8 ▽▽▽ 0.025 - 1.6 ▽▽▽▽ <0.025

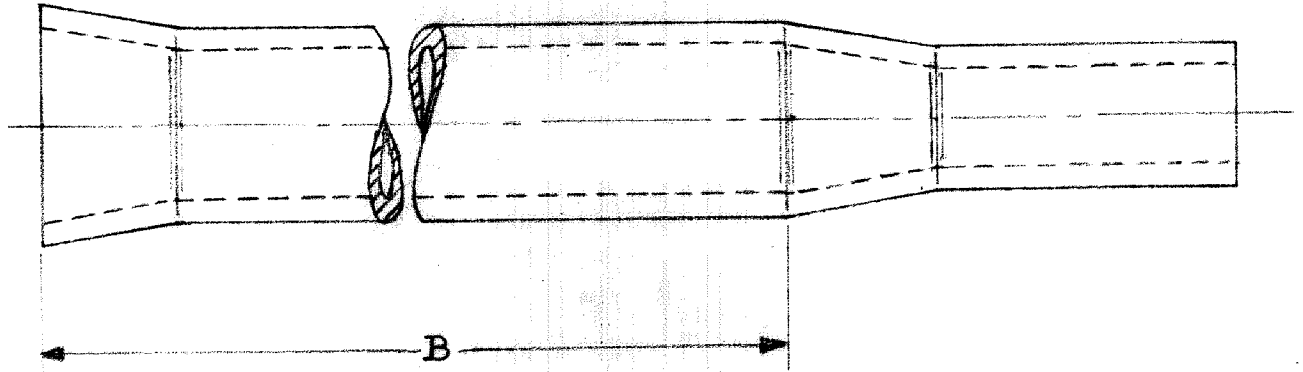
THIS DRAWINGS AND SPECIFICATION ARE THE PROPERTY OF ALIMCO AND SHALL NOT BE REPRODUCED OR COPIED WITHOUT PRIOR PERMISSION.

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR				
DGN		NOM	LEG TUBE ASSY	
DRN		MTL	_____	
CHD		HEAT	_____	
DIM	IN mm	SURFACE TREATMENT	Ni,Cr. PLATED	
SCALE				
APP				
DATE	08.02.2017	DRG No:- TD 2 P 04 A 00	SHEET 1 OF 1	

G  
F  
E  
D  
C  
B  
A

**TD1N7000**

DRG.No.	B
TD 1 N 70 0 0 1	235
TD 1 N 70 0 0 6	205



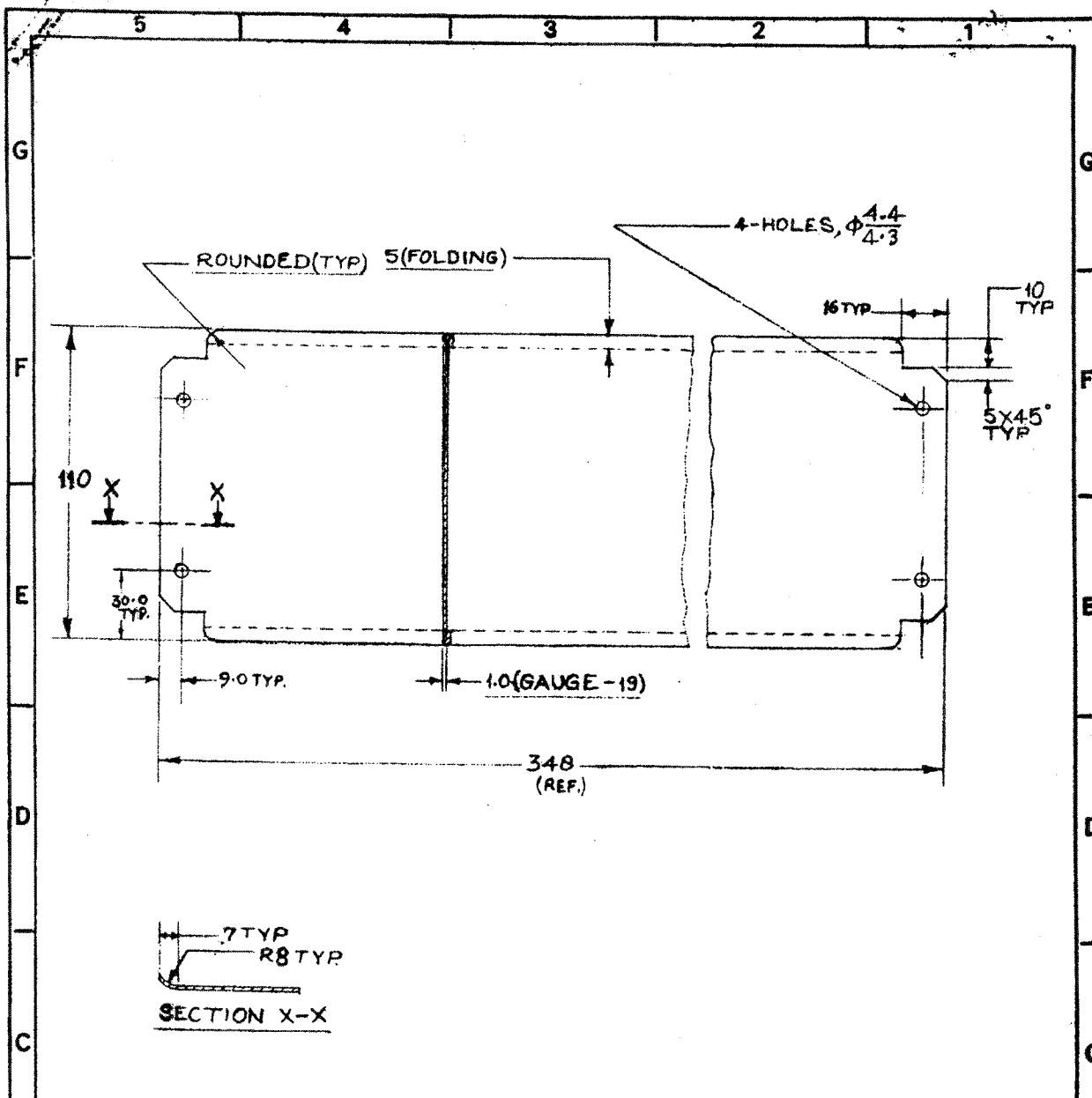
**NOTE:—**

1. POWDER COATING TO BE DONE ON EXTERNAL SURFACES ALL AROUND IN LENGTH 'B' ONLY, AS SHOWN.
2. FOR COMPONENT DRGS REFER DRG.No.TD1N70 099&TD1N70098

S No.	REGION	REVISION	DATE	SIG.
<b>R E V I S I O N S</b>				
<b>ARTIFICIAL LIMBS</b>				
<b>MANUFACTURING CORPN</b>				
<b>OF INDIA</b>				
<b>KANPUR</b>				
DGN	<i>[Signature]</i>	NOM	LINK	
DRN	<i>[Signature]</i>	MTL	EXTRUDED TUBE AL. ALLOY HV 9	
CHD	<i>[Signature]</i>		OD:12.7x1.6mm THICK, IS:1285 (AQ82)	
DIM.	IN mm	TOL	INTEGER ONLY ± 0.500 mm ONE PLACE DECIMAL ± 0.250 mm TWO PLACE DECIMAL ± 0.125 mm UNLESS SPECIFIED	
SCALE	2:1	FIN.	POWDER COATING THICK 20/15 MICRONS	
APP	<i>[Signature]</i>		COLOUR-WHITE, AS APPROVED	
DATE	05.04.05	DRG No.	TD 1 N 70 0 0 1	SHEET 1 OF 1
			TD 1 N 70 0 0 6	

01 K 6 263A

**TD2A06000**



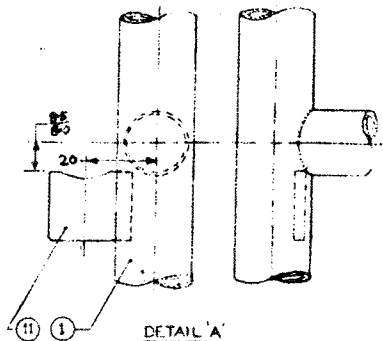
NOTE:

1. REMOVE SHARP EDGES & CORNERS

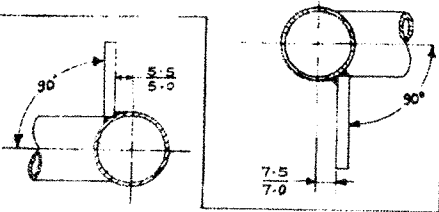
3.	---	FINISH WAS STOVE ENAMEL PAINT	3.6.14	<i>[Signature]</i>
2.	A-1	MTL. CODE NO. WAS AA 29	21.02.89	<i>[Signature]</i>
1.	A-2	Gd. OF MTL. 'DD' WAS 'O'	18.4.89	<i>[Signature]</i>
S.No.	REGION	REVISION	DATE	SIG.
R E V I S I O N S				
ARTIFICIAL LIMBS MANUFACTURING CORPN. OF INDIA KANPUR				
DGN.	<i>[Signature]</i>	NOM.	PLATE GUARD	
DRN.	<i>[Signature]</i>	MTL.	SHEET MS CRA Gd. 'O', IS: 513 THK 1mm (AA22)	
CHD.	<i>[Signature]</i>	TOL.	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm UNLESS SPECIFIED	
DIM.	IN mm	FIN.	POWDER COATED COLOUR AS APPROVED	
SCALE	1:2	APP.	<i>[Signature]</i>	
DATE	20.8.81	DRG. NO.	TD 2A 06 0 02	SHEET 1 OF 1

01 K 8 070

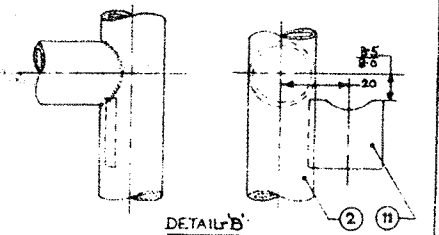




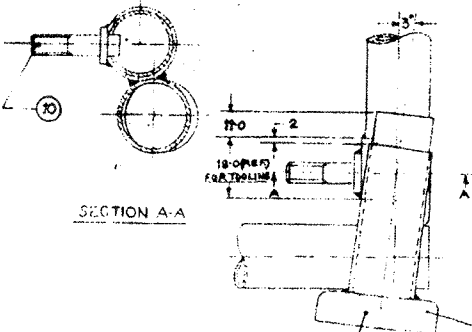
DETAIL A



DETAIL B

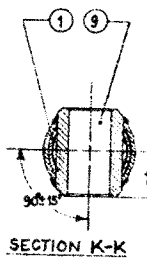


SECTION A-A

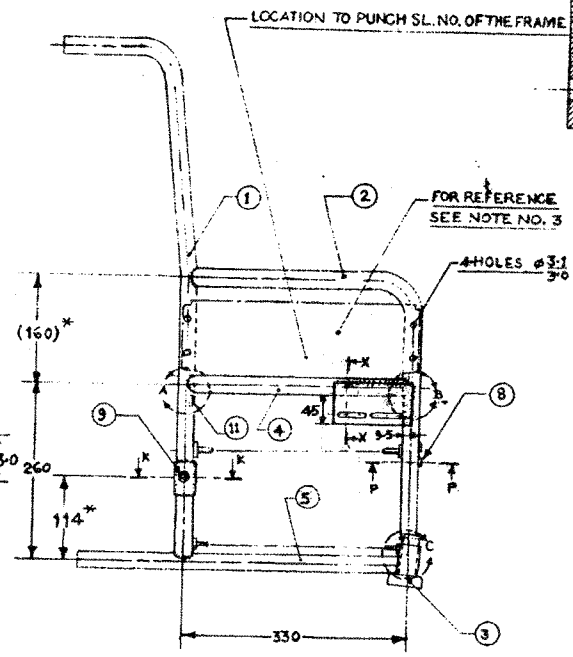


DETAIL C

\* THIS MAY BE WELDED WITH TD 2 A 06 A B 0 ALSO



SECTION K-K



SECTION X-X

SECTION P-P

ITEM No.	DRG No.	NOMENCLATURE	No. OF	REMARK
1	TD 2 A 06 A A 0	TUBE REAR ASSY.	1	
2	TD 2 A 06 A B 0	TUBE FRONT ASSY. (RIGHT)	1	
3	TD 2 A 06 A H 0	TUBE ADAPTER ASSY.	1	
4	TD 2 A 06 A 0 1	TUBE UPPER	1	
5	TD 2 A 06 A 0 2	TUBE LOWER	1	
6	TD 2 A 06 A 0 3	BRACKET	DELETED	
7	TD 2 A 06 A 0 4	BUSH BRAKE	DELETED	
8	TD 2 A 06 A 0 5	NUT	2	
9	TD 2 A 07 A 1 1	BUSH AXLE	1	
10	TD 2 A 07 A 1 9	STUD	4	
11	TD 2 A 07 A 2 0	REST RAIL SEAT	2	
12	TD 2 A 07 A 2 5	BRACKET	1	

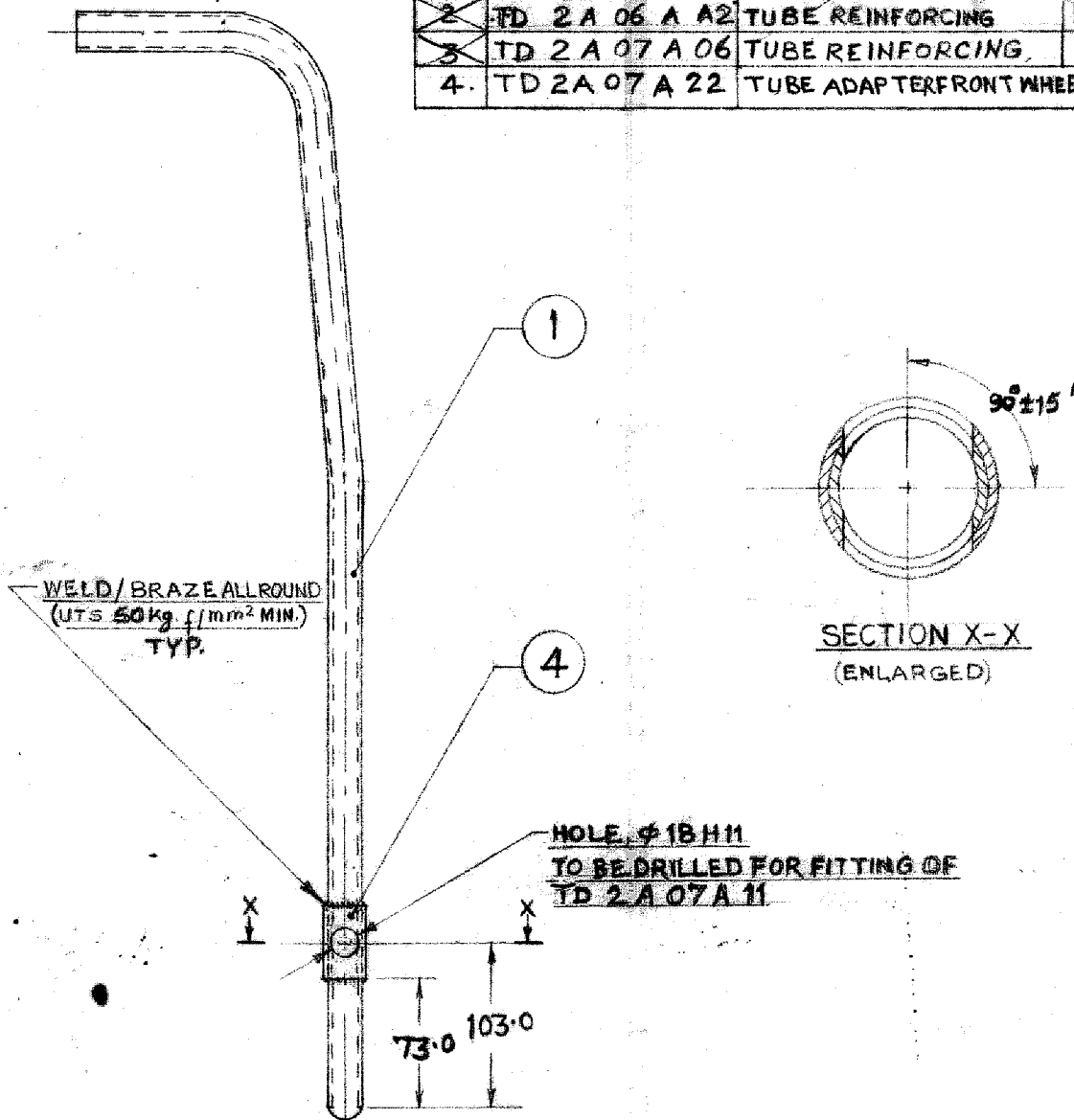
NOTE:-

1. ALL CONSTRUCTION WELD/BRAZED UTS 50kgf/cm<sup>2</sup> MIN.
2. ALL WELD/BRAZE TO BE DRESSED AND FINISHED SMOOTH.
3. \* REF. DIMENSION FOR WELDING
4. DRILL 4-HOLES Ø 3.1/30 ON ITEM NO. 1 & 2 ON ONE SIDE ONLY BEFORE PAINTING, USING PLATE GUARD (TD 2 A 06 002) AS TEMPLATE

13.	FINISH WAS STOVE ENAMEL PAINT	4.6.14		
S No.	REGION	REVISION	DATE	SG.
REVISIONS				
ARTIFICIAL LIMBS				
MANUFACTURING CORPN				
OF INDIA				
KAMUPUR				
DRW	CHKD	APPR	FRAME ASSY. (RIGHT)	
ENR	APPR	APPR		
CHK	APPR	APPR		
DWG	APPR	APPR		
SCALE	1:5	TON	MATERIAL & DIMENSIONS UNLESS SPECIFIED	
APP	APPR	FIN	POWDER COATED COLOUR AS APPROVED	
DATE	20.7.81	DRG No.	TD 2 A 06 A 0 0	SHEET 1 OF 1

01 D 2 015

IT. NO.	DRG. NO.	NOMENCLATURE	NO. OF	REMARK
1	TD 2A 06 A A1	TUBE REAR	1	
<del>2</del>	<del>TD 2A 06 A A2</del>	<del>TUBE REINFORCING</del>	<del>DELETED</del>	
<del>3</del>	<del>TD 2A 07 A 06</del>	<del>TUBE REINFORCING</del>	<del>DELETED</del>	
4	TD 2A 07 A 22	TUBE ADAPTER FRONT WHEEL	1	



3	G-3 <i>KL</i>	ITEM NO. 4 ADDED & ITEM NO. 3 - DELETED	13.1.95	<i>KL</i>
2	C-3 <i>KL</i>	DIM. 103.0 WAS 113.0, 73.0 WAS 83.0	23.9.92	<i>KL</i>
1	G-3 <i>KL</i>	ITEM NO. 3 ADDED 2 DELETED	31.1.92	<i>KL</i>

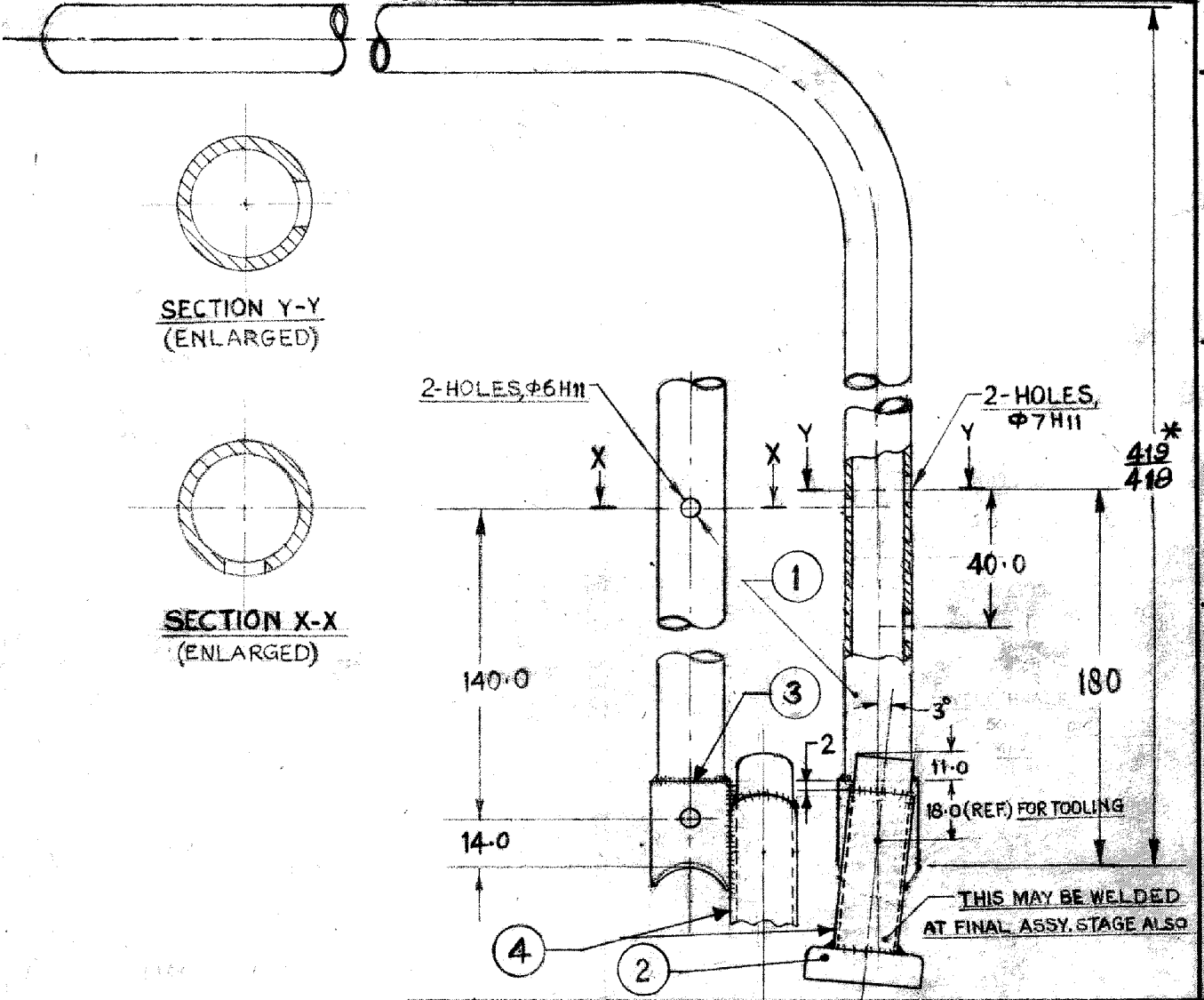
NOTE :-

1. DRESS ALL WELD & FINISH SMOOTH

S.No.	REGION	REVISION	DATE	SIG.
<b>R E V I S I O N S</b>				
<b>ARTIFICIAL LIMBS MANUFACTURING CORPN. OF INDIA KANPUR</b>				
DGN.	<i>KL</i>	NOM.	TUBE REAR ASSY.	
DRN.	<i>KL</i>	MTL.		
CHD.	<i>KL</i>	TOL.	INTEGER ONLY 20.600 mm ONE PLACE DECIMAL 20.250 mm TWO PLACE DECIMAL 20.125 mm UNLESS SPECIFIED	
DIM.	IN mm	FIN.		
SCALE	1:5			
APP.	<i>R. K. S.</i>	DRG. NO. TD 2A 06 AA0		
DATE	20.7.81	SHEET 1 OF 1		

01-K8-029

IT. NO.	DRG. NO.	NOMENCLATURE	NO. OFF	REMARK
1	TD 2 A 06 A 81	TUBE FRONT	1	
2	TD 2 A 06 H A0	TUBE ADAPTER ASSY.	1	
3	TD 2 A 07 A 01	EXTENSION FRONT	1	
4	TD 2 A 06 A B2	TUBE ADAPTER FRONT WHEEL	1	
<del>5</del>	<del>TD 2 C 98 J 14</del>	<del>END TUBE</del>		<del>DELETED</del>



S.No.	REGION	REVISION	DATE	SIG.
5	D-2	ITEM No. 4 WITH DIM 2mm ADDED	2-11-93	
4	D-1	DIM. 180 WAS 159 & 40 WAS 20	30-9-91	
3	D-1	3° ANGLE WAS 6°, DIM. 11.0 WAS 7.0	6-2-91	
2	E-1	DIM. 419 DELETED, DIM. 415 ADDED	13-1-82	
1	G-4	FLATTENING ADDED IN ITEM No. 1	16-9-81	

**NOTE:-**  
 1. DRESS ALL WELD & FINISH SMOOTH.  
 2. \* REF. DIMENSION FOR FINAL WELDING.

**REVISIONS**

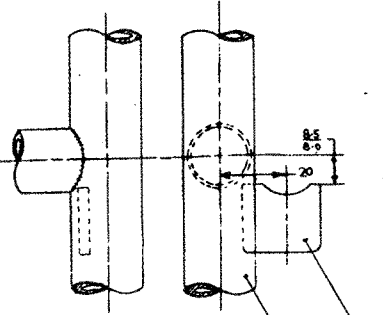
**ARTIFICIAL LIMBS MANUFACTURING CORPN. OF INDIA KANPUR**

9	E-1	DIM 419/418 WAS 415/414	12-10-11	
8	G-4	FLATTENING DELETED AT ITEM No. 1	01-9-11	
7	G-3	ITEM No. 3 ADDED. ITEM No. 5 DELETED	11-7-99	
6	G-3	ITEM No. 5 ADDED & ITEM No. 3 DELETED	13-1-95	
S.No	REG.	REVISION	DATE	SIG.

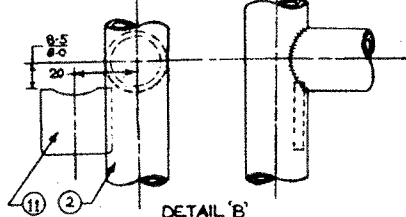
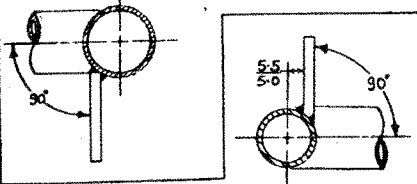
DGN.	Wadhwa	NOM.	TUBE FRONT ASSY. (RIGHT)
DRN.	Krishna	MTL.	
CHD.	Shaleel	TOL.	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm UNLESS SPECIFIED
DIM.	IN mm	FIN.	
SCALE	1:2		
APP.	Bygia		
DATE	20-7-81	DRG. NO.	TD 2 A 06 A B0

01 K 8 032

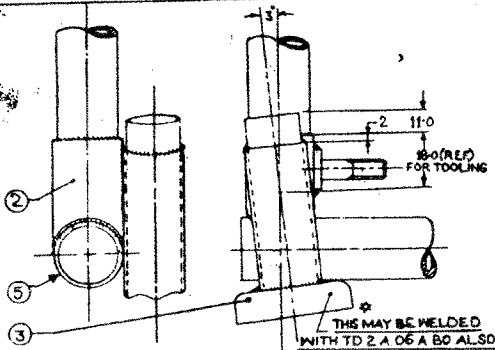
IT.No.	DRG. No.	DESCRIPTION	QTY	REMARK
1	TD 2A 06 A 00	TUBE REAR ASSY.	1	
2	TD 2A 06 B A 00	TUBE FRONT ASSY.(LEFT)	1	
3	TD 2A 06 H A 00	TUBE ADAPTER ASSY.	1	
4	TD 2A 06 A 01	TUBE UPPER	1	
5	TD 2A 06 A 02	TUBE LOWER	1	
6	TD 2A 06 A 03	BRACKET		DELETED
7	TD 2A 06 A 04	BUSH BRAKE		DELETED
8	TD 2A 06 A 05	NUT	2	
9	TD 2A 07 A 11	BUSH AXLE	1	
10	TD 2A 07 A 18	STUD	4	
11	TD 2A 07 A 20	REST RAIL SEAT	2	
12	TD 2 A 07 A 25	BRACKET	1	



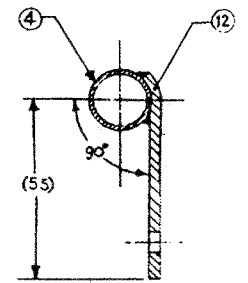
DETAIL 'A'



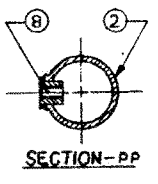
DETAIL 'B'



DETAIL 'C'



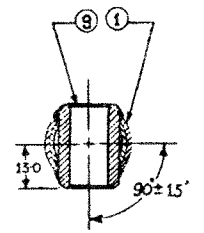
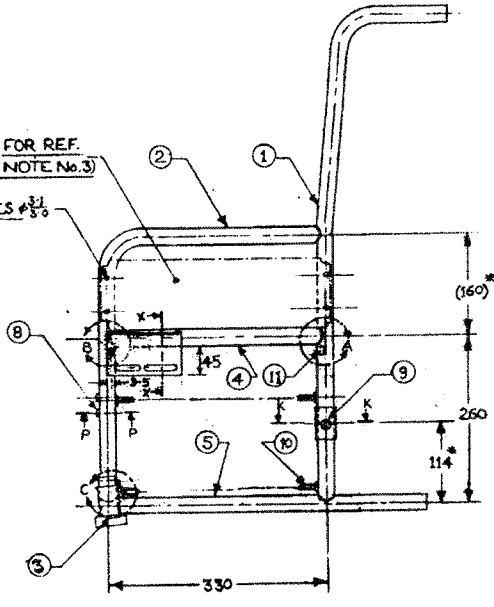
SECTION-XX



SECTION-PP

FOR REF.  
(SEE NOTE No.3)

4-HOLES  $\phi \frac{3}{8}$



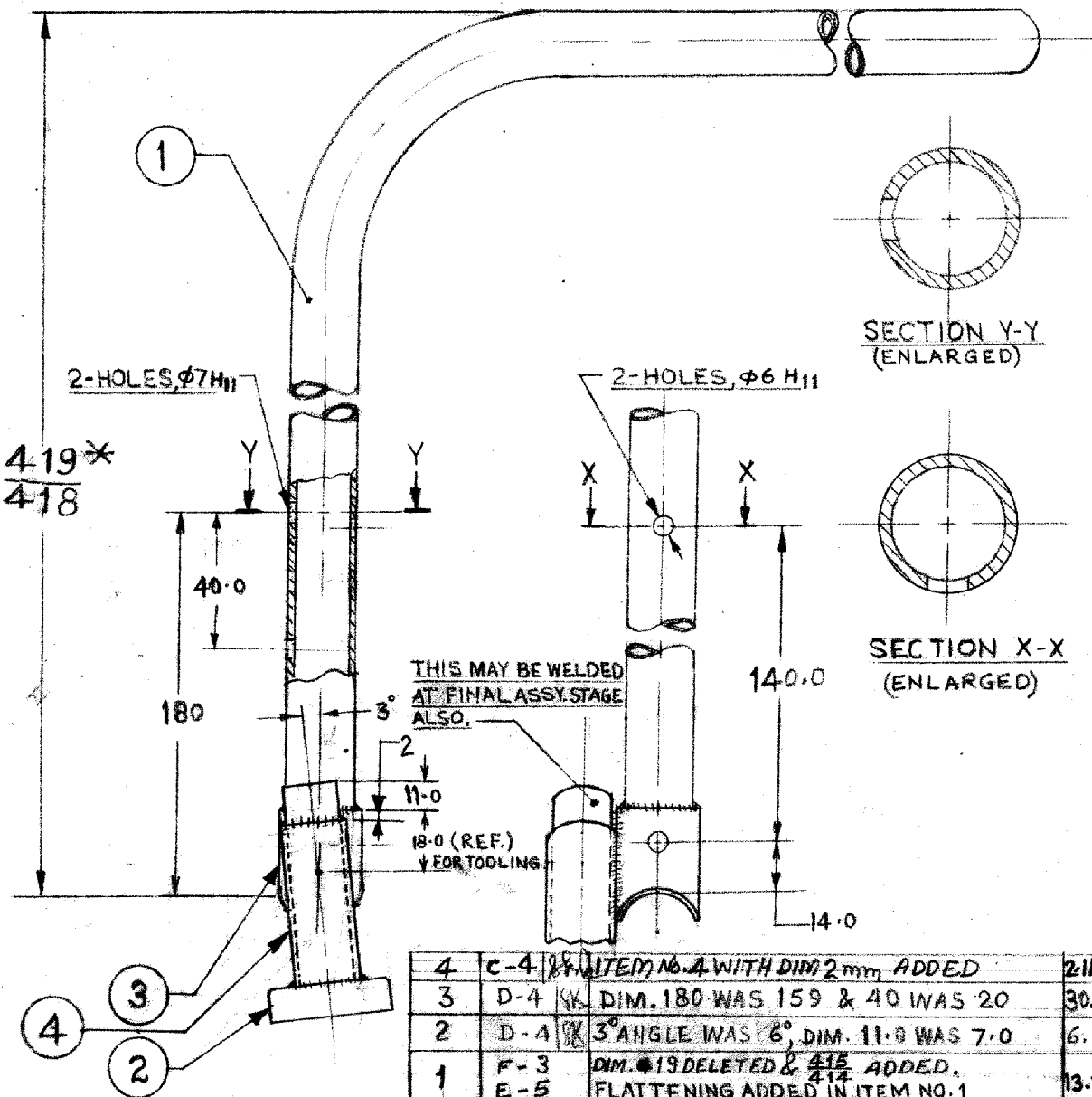
SECTION-KK

**NOTE:-**  
1. ALL CONSTRUCTION WELD/BRAZED UTS 50 Kg F/mm<sup>2</sup> MIN.  
2. ALL WELD/BRAZE TO BE DRESSED & FINISHED SMOOTH.  
3. REF. DIMENSION FOR WELDING.  
4. DRILL 4- HOLES  $\phi \frac{3}{8}$  ON ITEM No. 1 & 2 ON ONE SIDE ONLY BEFORE PAINTING, USING PLATE GUARD(TD 2 A 06 00) AS TEMPLATE

12.	FINISH WAS STOVE ENAMEL PAINT	4.8.14		
S No.	REGION	REVISION	DATE	SIG.
<b>ARTIFICIAL LIMBS MANUFACTURING CORPN OF INDIA</b>				
KAMPLI				
DATE: 20.7.81		DRAWN BY: [Signature]		
SCALE: 1:5		MATERIAL: [Blank]		
SPEC: [Blank]		FINISH: POWDER COATED COLOUR AS APPROVED		
DATE: 20.7.81		DRG No TD 2 A 06 B 00		

01 D 2 016

IT. NO.	DRG. NO.	NOMENCLATURE	NO. OFF	REMARKS
1	TD 2 A 06 A B1	TUBE FRONT	1	
2	TD 2 A 06 H A0	TUBE ADAPTER ASSY.	1	
3	TD 2 A 07 A 01	EXTENSION FRONT	1	
4	TD 2 A 06 A B2	TUBE ADAPTER FRONT WHEEL	1	
5	TD 2 C 98 J 14	END TUBE		DELETED



4	C-4	ITEM NO. 4 WITH DIM 2mm ADDED	2.11.93	
3	D-4	DIM. 180 WAS 159 & 40 WAS 20	30.9.91	
2	D-4	3° ANGLE WAS 6°, DIM. 11.0 WAS 7.0	6.2.91	
1	F-3 E-5	DIM. 19 DELETED & 415 ADDED. FLATTENING ADDED IN ITEM NO. 1	13.1.82	

S No.	REGION	REVISION	DATE	SIG.
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**R E V I S I O N S**

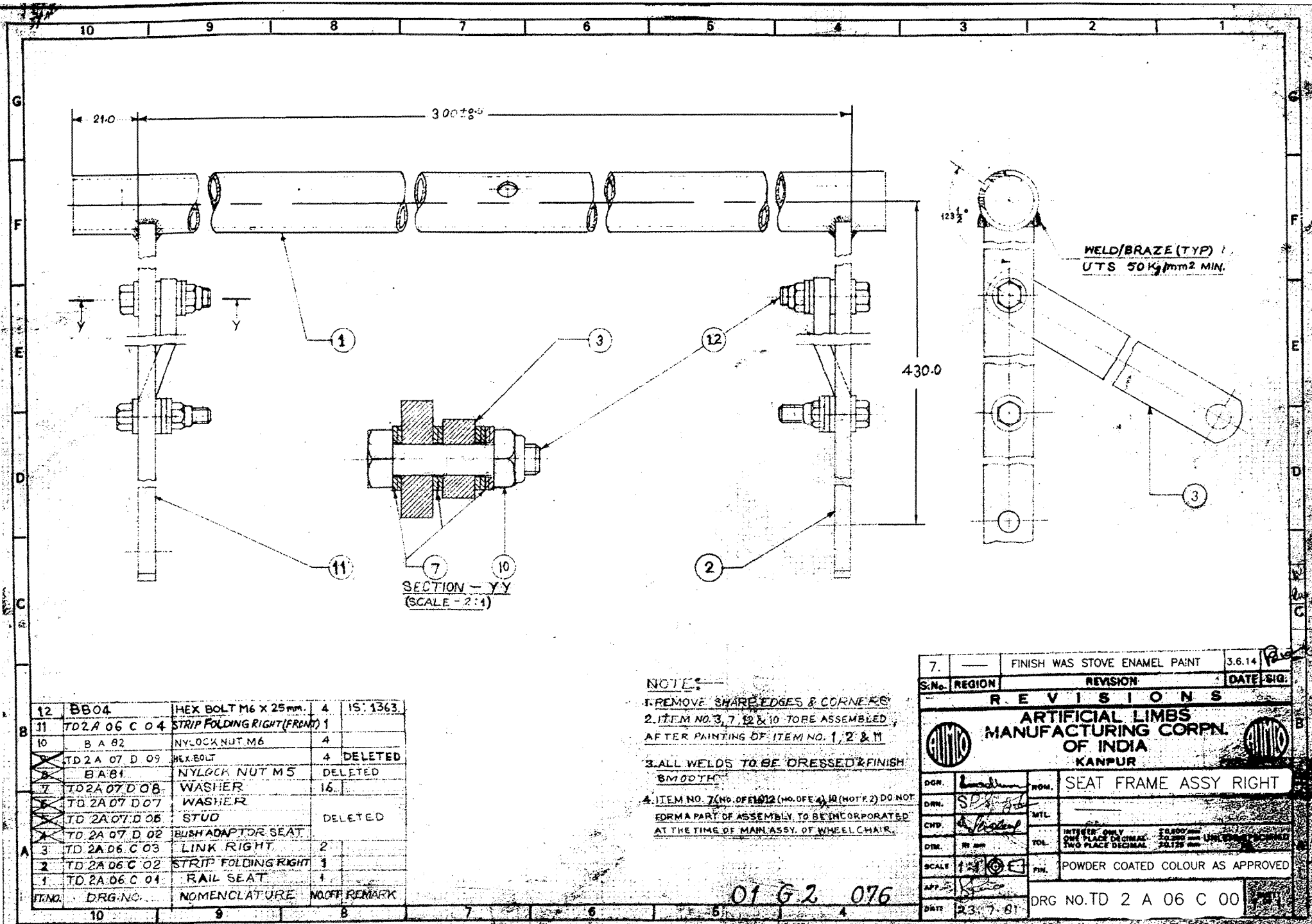
**ARTIFICIAL LIMBS  
MANUFACTURING CORPN  
OF INDIA  
KANPUR**

DGN	<i>Madhwal</i>	NOM	TUBE FRONT ASSY. (LEFT)
DRN	<i>SKrishna</i>	MTL	
CHD	<i>Shalul</i>	TOL	INTEGER ONLY ± 0.500 mm ONE PLACE DECIMAL ± 0.250 mm TWO PLACE DECIMAL ± 0.125 mm UNLESS SPECIFIED
DIM.	IN mm	SCALE	1:2
SCALE	1:2	FIN.	
APP	<i>Puller</i>	DATE	16.9.81
DRG No.	TD 2 A 06 B A0	SHEET	1 OF 1

**NOTE:-**

1. DRESS ALL WELD & FINISH SMOOTH.
2. \* REF. DIM. FOR FINAL WELDING.

8	E-5	DIM 419/418 WAS 415/414	10.10.11	
7	E-2	FLATTENING DELETED AT ITEM NO. 1	01.9.11	
6	G-3	ITEM NO. 3 ADDED. ITEM NO. 5 DELETED	11.5.08	
5	G-3	ITEM NO. 5 ADDED & ITEM NO. 3 DELETED	13.1.85	
NO	REG.	REVISION.	DATE	SIG.
01		K8	076	



SECTION - Y-Y  
(SCALE - 2:1)

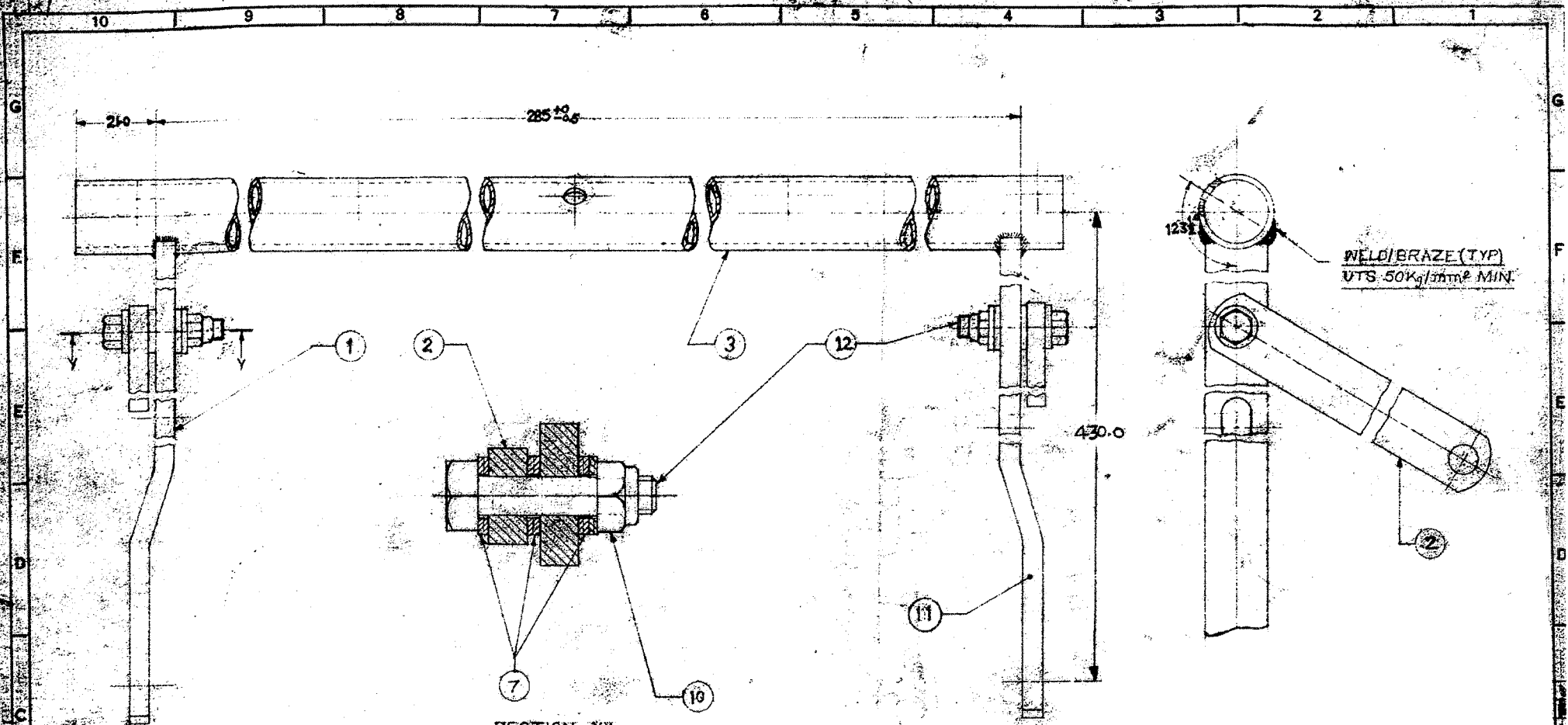
ITNO.	DRG. NO.	NOMENCLATURE	NO. OFF.	REMARK
12	BB04	HEX BOLT M6 X 25mm.	4	IS: 1363.
11	TD 2A 06 C 04	STRIP FOLDING RIGHT (FRONT)	1	
10	B A 82	NYLOCK NUT M6	4	
<del>9</del>	<del>TD 2A 07 D 09</del>	<del>HEX BOLT</del>	<del>4</del>	<del>DELETED</del>
<del>8</del>	<del>B A 81</del>	<del>NYLOCK NUT M5</del>	<del>DELETED</del>	
<del>7</del>	<del>TD 2A 07 D 08</del>	<del>WASHER</del>	<del>16</del>	
<del>6</del>	<del>TD 2A 07 D 07</del>	<del>WASHER</del>		
<del>5</del>	<del>TD 2A 07 D 06</del>	<del>STUD</del>		<del>DELETED</del>
<del>4</del>	<del>TD 2A 07 D 02</del>	<del>BUSH ADAPTOR SEAT</del>		
3	TD 2A 06 C 03	LINK RIGHT	2	
2	TD 2A 06 C 02	STRIP FOLDING RIGHT	1	
1	TD 2A 06 C 01	RAIL SEAT	1	
ITNO.	DRG. NO.	NOMENCLATURE	NO. OFF.	REMARK

- NOTE:-
1. REMOVE SHARP EDGES & CORNERS
  2. ITEM NO. 3, 7, 12 & 10 TO BE ASSEMBLED AFTER PAINTING OF ITEM NO. 1, 2 & 11
  3. ALL WELDS TO BE DRESSED & FINISH SMOOTH
  4. ITEM NO. 7 (NO. OF 12 (NO. OF 4) 10 (NO. OF 2) DO NOT FORM A PART OF ASSEMBLY TO BE INCORPORATED AT THE TIME OF MAIN ASSY. OF WHEEL CHAIR.

01 G.2 076

7.	FINISH WAS STOVE ENAMEL PAINT	3.6.14	<i>Patel</i>
S.No.	REGION	REVISION	DATE/SIG.
<b>REVISIONS</b>			
<b>ARTIFICIAL LIMBS MANUFACTURING CORPN. OF INDIA KANPUR</b>			
DGN.	<i>Madhu</i>	NOM.	SEAT FRAME ASSY RIGHT
DRN.	<i>S.P. 82</i>	MTL.	
CWD.	<i>S. Kishor</i>	TOL.	INTERIOR ONLY ONE PLACE DECIMAL TWO PLACE DECIMAL
DTR.	IN HAND	FIN.	POWDER COATED COLOUR AS APPROVED
SCALE	1:2		
APP.	<i>S.P. 82</i>		
DATE	23.7.81	DRG NO.	TD 2 A 06 C 00





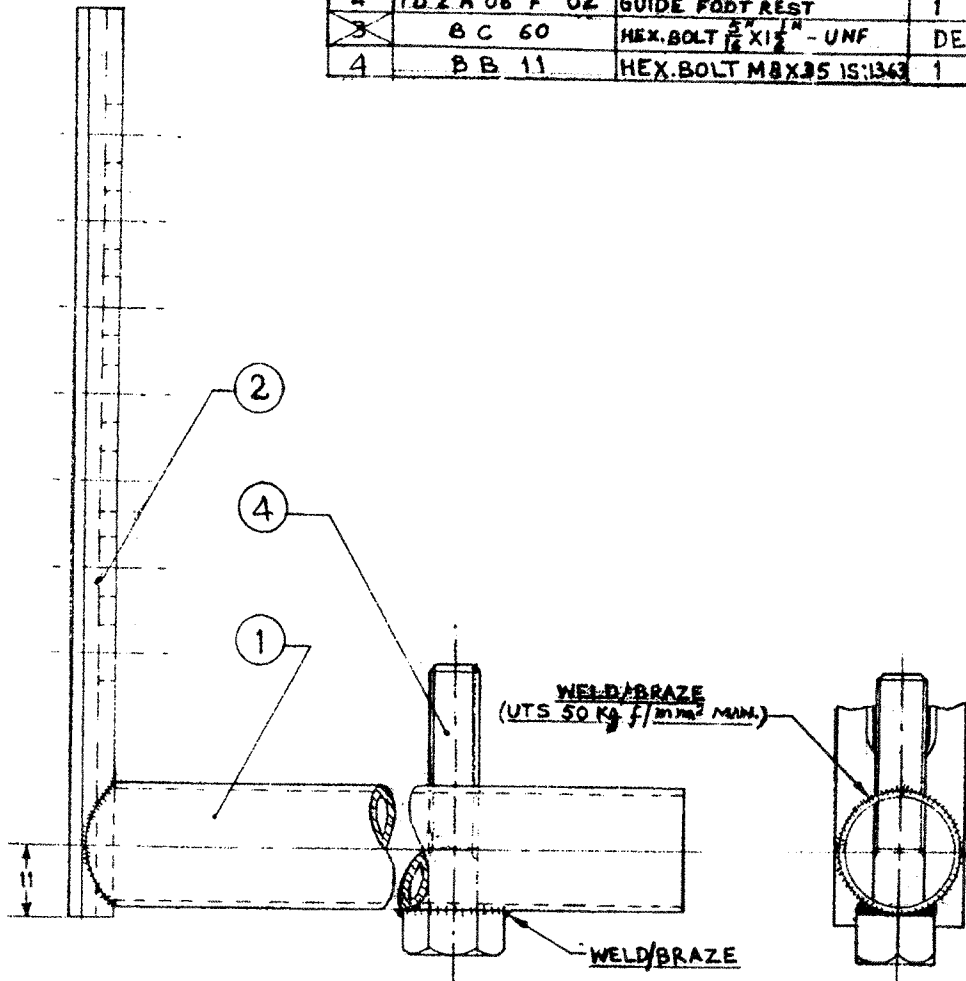
SECTION - YY  
SCALE - 2:1

12	BB04	HEX BOLT M6X25mm	2	IS:1363
11	TD 2 A 06 D 03	STRIP FOLDING LEFT (FRONT)	1	
10	BA 02	NYLOCK NUT M6	2	
9	TD 2 A 07 D 09	HEX BOLT	2	DELETED
8	BA 01	NYLOCK NUT M5	DELETED	
7	TD 2A 07 D 08	WASHER	8	
6	TD 2A 07 D 07	WASHER	DELETED	
5	TD 2A 07 D 06	STUD	DELETED	
4	TD 2A 07 D 02	BUSH ADPTOR SEAT		
3	TD 2A 06 C 01	RAIL SEAT	1	
2	TD 2A 06 D 02	LINK LEFT	2	
1	TD 2A 06 D 01	STRIP FOLDING LEFT	1	
UNO	DRG NO	NOMENCLATURE	NO OF REMARK	

**NOTE:-**  
 1. REMOVE SHARP EDGES AND CORNERS.  
 2. ITEM NO. 2, 7, 12 & 10 TO BE ASSEMBLED AFTER PAINTING.  
 OF ITEM NO. 1, 3 & 11  
 3. ALL WELDS TO BE DRESSED & FINISH SMOOTH.

7.	FINISH WAS STOVE ENAMEL PAINT	3.6.14
S.N.	REGION	REVISION
<b>R E V I S I O N S</b>		
<b>ARTIFICIAL LIMBS MANUFACTURING CORPN OF INDIA KANPUR</b>		
DATE	BY	SEAT FRAME ASSY LEFT
CHKD	SP	
APPD	MS	
DATE	BY	WITHOUTS ONLY ONE PLACE IN CHAIR TWO PLACE IN CHAIR
SCALE	1:1	POWDER COATED COLOUR AS APPROVED
APPD	BT	
DATE	23.7.91	DRG NO. TD 2 A 06 D 00

IT. NO.	DRG. NO.	NOMENCLATURE	NO. OFF	REMARKS
1	TD 2 A 06 F 01	TUBE FOOTREST	1	
2	TD 2 A 06 F 02	GUIDE FOOT REST	1	
<del>3</del>	BC 60	HEX. BOLT $\frac{5}{16}$ X $1\frac{1}{2}$ - UNF		DELETED
4	BB 11	HEX. BOLT M8 X 35 IS:1343	1	



4.	---	FINISH WAS STOVE ENAMEL PAINT	3.6.14	
3	A-1 to 3	FIN. WAS STOVE ENAMEL PAINT COLOUR AS APPROVED.	22.5	RKM
2	G-3	ITEM NO. 3 DELETED & 4 ADDED.	23.9.86	LN
1	D-3	ITEM NO. 3 ADDED, FIN. WAS NICK PLATED	11.8.87	L

NOTE:-

1. WELDS TO BE FINISHED FLUSH & SMOOTH BEFORE PLATING.

S No.	REGION	REVISION	DATE	SIG.
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### REVISIONS


**ARTIFICIAL LIMBS  
MANUFACTURING CORPN  
OF INDIA  
KANPUR**

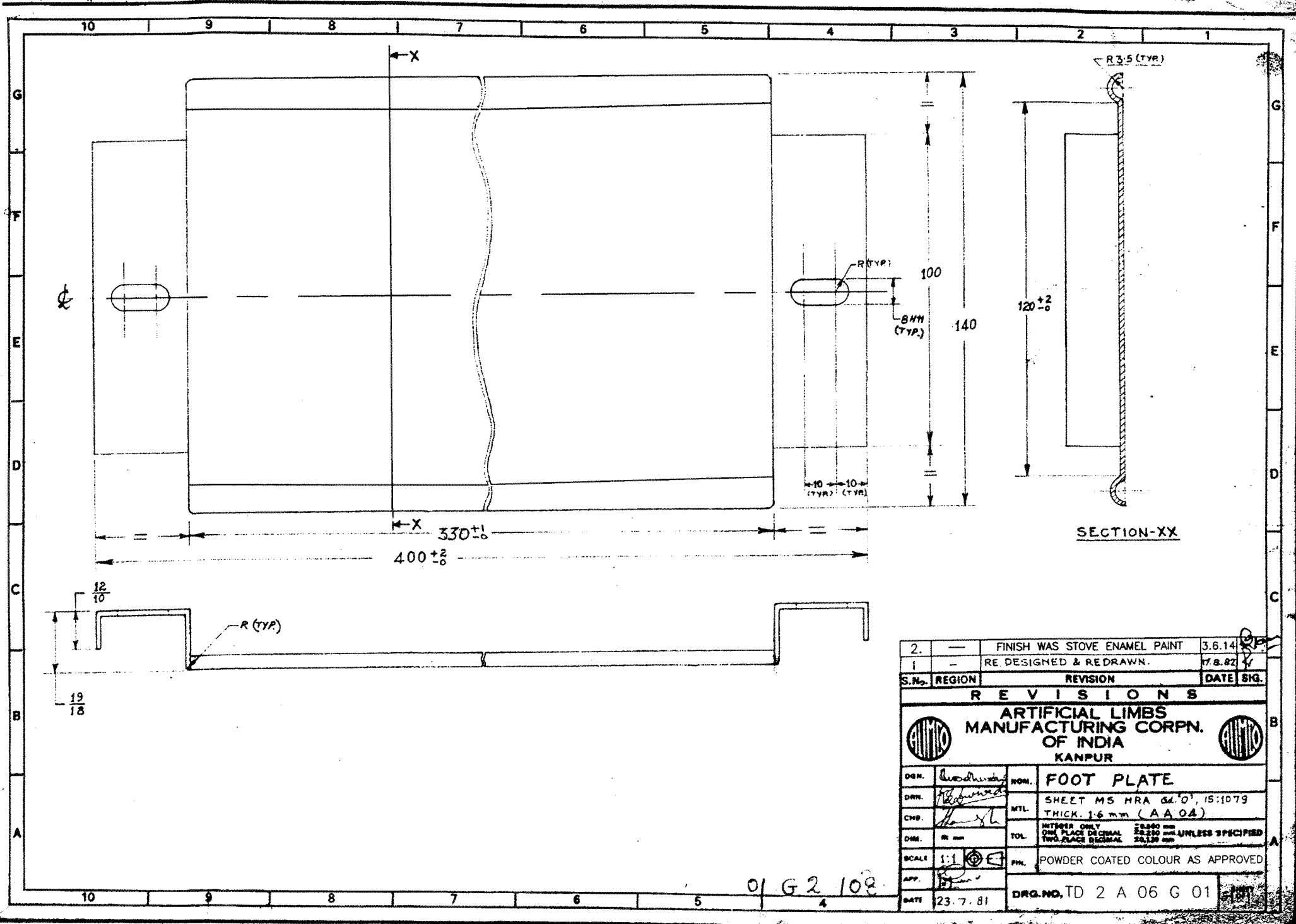

DGN	<i>Aradhana</i>	NOM	FOOT REST SUPPORT ASSY.
DRN	<i>Krishna</i>	MTL	
CHD	<i>Manoj</i>		
DIM.	IN mm	TOL	INTEGER ONLY $\pm 0.500$ mm ONE PLACE DECIMAL $\pm 0.250$ mm TWO PLACE DECIMAL $\pm 0.125$ mm UNLESS SPECIFIED
SCALE	1:1	FIN.	POWDER COATED COLOUR AS APPROVED
APP	<i>Ramesh</i>	DRG No.	TD 2 A 06 F 00
DATE	23.7.81	SHEET	1/1

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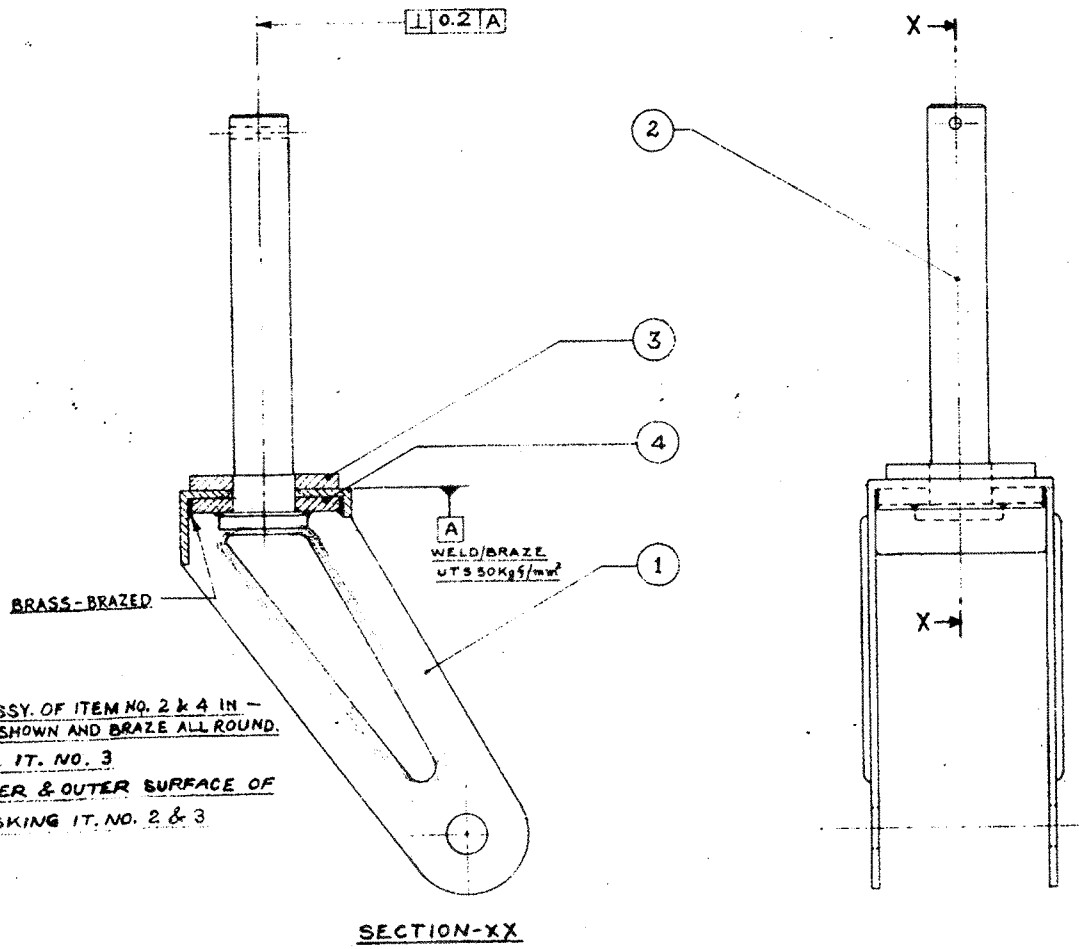
2.	—	FINISH WAS STOVE ENAMEL PAINT	3.6.14	
1	—	RE DESIGNED & REDRAWN.	17.8.82	
S.No.	REGION	REVISION	DATE	SG.

**REVISIONS**

**ARTIFICIAL LIMBS  
MANUFACTURING CORPN.  
OF INDIA  
KANPUR**

DES.	<i>[Signature]</i>	NON.	<b>FOOT PLATE</b>
DRN.	<i>[Signature]</i>	MTL.	SHEET MS MRA Gd. 0', IS:1079
CHK.	<i>[Signature]</i>	TOL.	THICK. 1.6 mm (AA 04)
DWG.	IN mm	<small>HITZER ONLY 25.000 mm ONE PLACE DECIMAL 25.250 mm UNLESS SPECIFIED TWO PLACE DECIMAL 25.125 mm</small>	
SCALE	1:1	FIN.	POWDER COATED COLOUR AS APPROVED
APP.	<i>[Signature]</i>	DRG. NO. TD 2 A 06 G 01	
DATE	23.7.81		

ITEM NO.	DRG. NO.	NOMENCLATURE	NO. OFF.	REMARK.
1	TD 2 A 06 H B1	FORK	1	
2	TD 2 A 06 H B2	STEM	1	
3	TD 2 A 06 H B3	PLATE BEARING - LOWER	1	
4	TD 2 A 06 H B4	PLATE STIFFNER	1	



**NOTE:-**

1. POSITION ASSY. OF ITEM NO. 2 & 4 IN - ITEM NO. 1 AS SHOWN AND BRAZE ALL ROUND.
2. PRESS FIT IT. NO. 3
3. PAINT INNER & OUTER SURFACE OF IT. NO. 1 MASKING IT. NO. 2 & 3

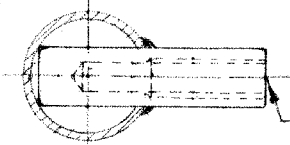
SECTION-XX

3.	---	FINISH WAS STOVE ENAMEL PAINT	4.6.14	<i>[Signature]</i>
2.	E-8	UNDER CUT DELETED & HOLE ADDED AT IT. NO. 2	31.8.82	<i>[Signature]</i>
1.	S-4, B-10	ITEM NO. 4 ADDED & NOTE NO. 3 MODIFIED	1978	<i>[Signature]</i>
S.No.	REGION	REVISION	DATE	SIG.

REVISIONS				
<b>ARTIFICIAL LIMBS MANUFACTURING CORPN. OF INDIA KANPUR</b>				
DBN.	<i>[Signature]</i>	NON.	FORK STEM ASSY.	
DRN.	<i>[Signature]</i>	MTL.		
CHD.	<i>[Signature]</i>	TOL.	<small>           WITHIN 0.015            ONE PLACE DECIMAL            TWO PLACE DECIMAL            0.005 mm            0.0125 mm            0.025 mm            UNLESS SPECIFIED         </small>	
SCALE	1:1	FIN.	POWDER COATED COLOUR AS APPROVED	
APP.	<i>[Signature]</i>	DRG NO.	TD 2 A 06 H B0	
DATE	11-4-81			

01 G2 067

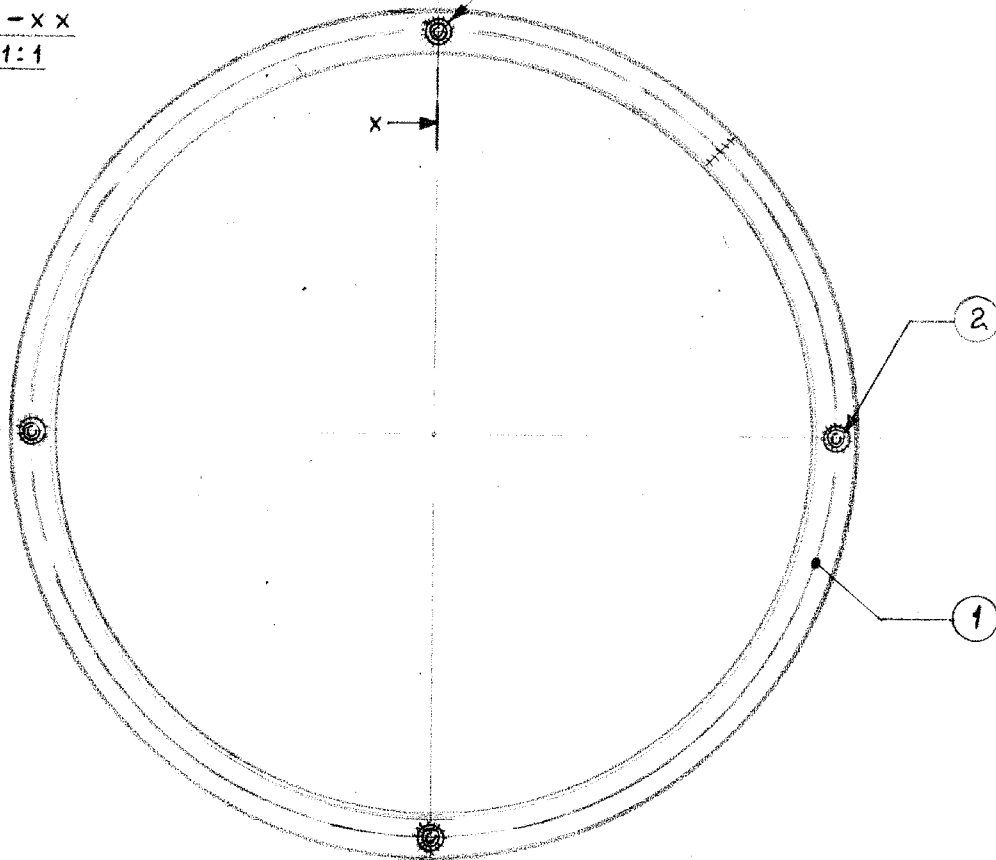
IT. NO.	DRG. NO.	NOM	NO. OFF	REMARK
1	TD 2A 06 J C 1	HAND RIM	1	
2	TD 2A 06 J C 2	NUT	4	



THREADED END THIS SIDE

WELDED TYP.

SECTION - X X  
SCALE - 1:1

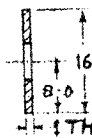
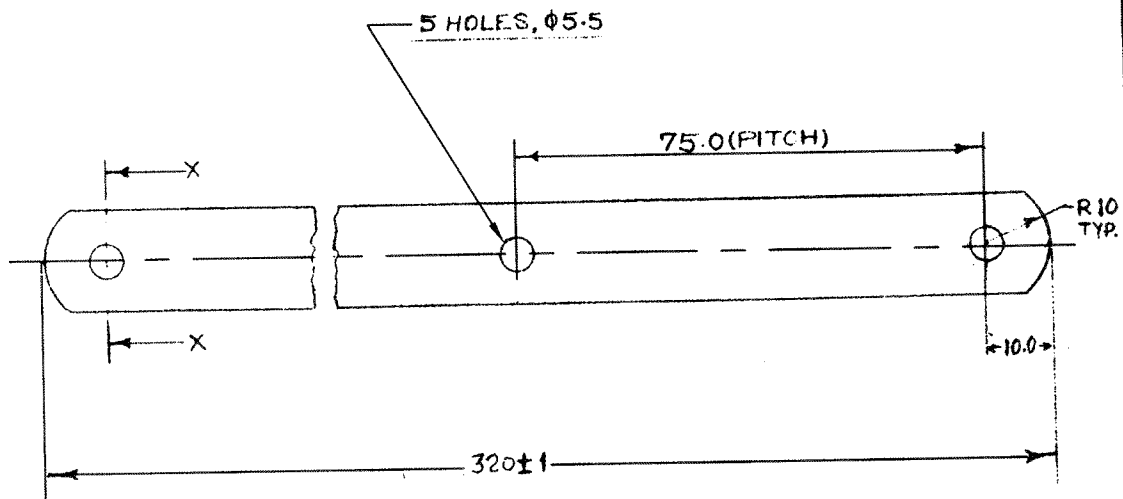


1	F-4	NOTE IN SECTION X-X ADDED	1.3.82	
S No.	REGION	REVISION	DATE	SIG.
R E V I S I O N S				
ARTIFICIAL LIMBS MANUFACTURING CORPN OF INDIA KANPUR				
DGN	<i>Basalwan</i>	NOM	HAND RIM ASSY	
DRN	<i>Shiv</i>	MTL		
CHD	<i>Shah</i>	TOL	INTEGER ONLY $\pm 0.500$ mm ONE PLACE DECIMAL $\pm 0.250$ mm TWO PLACE DECIMAL $\pm 0.125$ mm UNLESS SPECIFIED	
DIM.	IN mm	FIN.	Ni-cr. PLATED Gd-2 IS: 1068	
SCALE	1:4	APP		
DATE	10.0.81	DRG No.	TD 2A 06 J C 0	SHEET 1 OF 1

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4



1 THK (GAUGE-19)

SECTION - X X

1.	---	FINISH WAS PHOSPHATED Gd.A1, IS:6005	3.6.14	1910
S.No.	REGION	REVISION	DATE	SIG.
<b>R E V I S I O N S</b>				
 <b>ARTIFICIAL LIMBS MANUFACTURING CORPN. OF INDIA</b> KANPUR				
DGN.	<i>Ramachandran</i>	NOM.	<b>STRIP REINFORCING</b>	
DRN.	<i>S.P. Singh</i>	MTL.	SHEET MS, HRA Gd.'0' IS: 4079 (AA02) OR SHEET M.S. CRA Gd.'0' IS: 513 (AA22)	
CHD.	<i>Khalid</i>	TOL.	INTEGER ONLY 28.500 mm ONE PLACE DECIMAL 28.125 mm TWO PLACE DECIMAL 28.125 mm UNLESS SPECIFIED	
DIM.	mm	FIN.	POWDER COATED COLOUR AS APPROVED	
SCALE	1:1			
APP.	<i>S. Kalid</i>	DRG. NO. TD 2A 06 K 01		
DATE	10.8.01			

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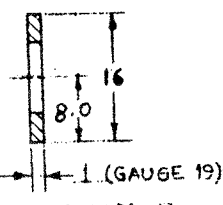
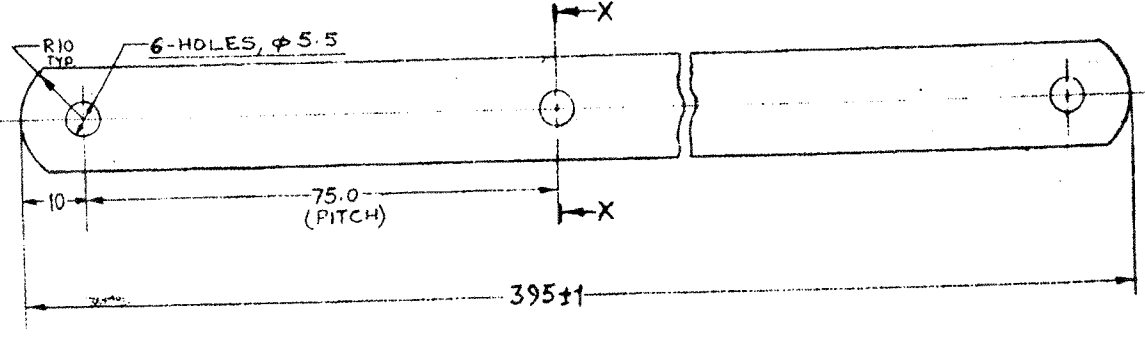
D

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B

A



SECTION X-X  
(ENLARGED)

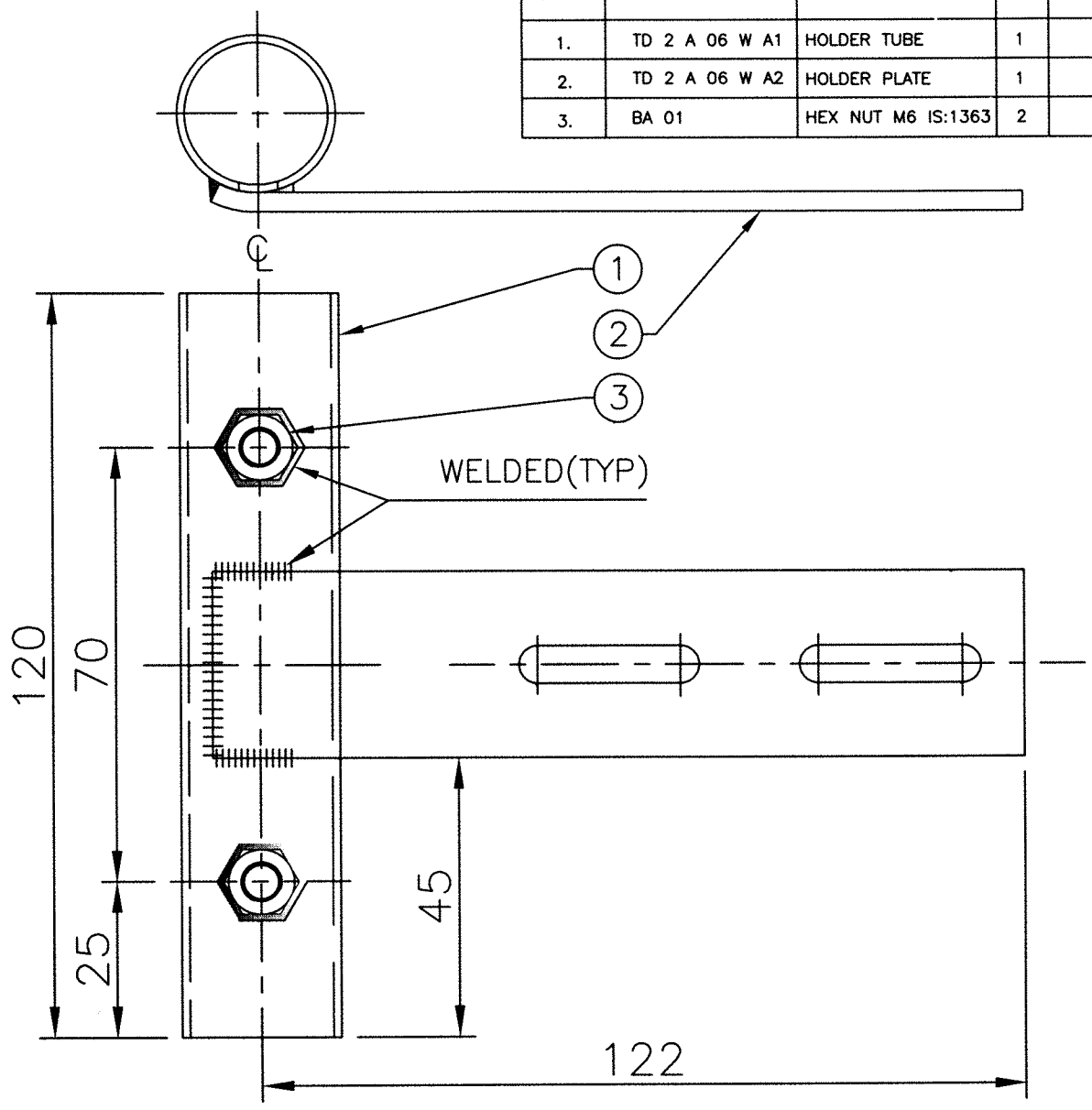
NOTE:-  
1. DEBURR SHARP EDGES & CORNERS.

2.		FINISH WAS PHOSPHATED Gd.A1,IS:6005	3.6.14	<i>Raw</i>
1	F.5	<del>DIM. 325 WAS 170, &amp; HOLES 45.5 WERE 7</del>	16.9.72	<i>Raw</i>
S.No.	REGION	REVISION	DATE	SIG.
<b>R E V I S I O N S</b>				
<b>ARTIFICIAL LIMBS MANUFACTURING CORPN. OF INDIA KANPUR</b>				
DGN.	<i>Madani</i>	NOM.	STRIP REINFORCING	
DRN.	<i>Krishna</i>	MTL.	SHEET MS HRA Gd.'O' IS:1079 (AA 02) OR	
CHD.	<i>Shahul</i>	MTL.	SHEET MS CRA Gd.'O' IS: 513 (AA 22)	
QNT.	IN MM	TOL.	INTEGER ONLY 20.000 mm ONE PLACE DECIMAL 20.250 mm TWO PLACE DECIMAL 20.125 mm UNLESS SPECIFIED	
SCALE	1:1	FIN.	POWDER COATED COLOUR AS APPROVED	
APP.	<i>Prasad</i>	DRG.NO. TD 2 A 06 L 02		
DATE	10.8.81			

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ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 06 W A1	HOLDER TUBE	1	
2.	TD 2 A 06 W A2	HOLDER PLATE	1	
3.	BA 01	HEX NUT M6 IS:1363	2	



NOTE:-

1.DRESS ALL WELDED JOINTS

SNo.	REGION	REVISION	DATE	SIGN
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REVISIONS



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



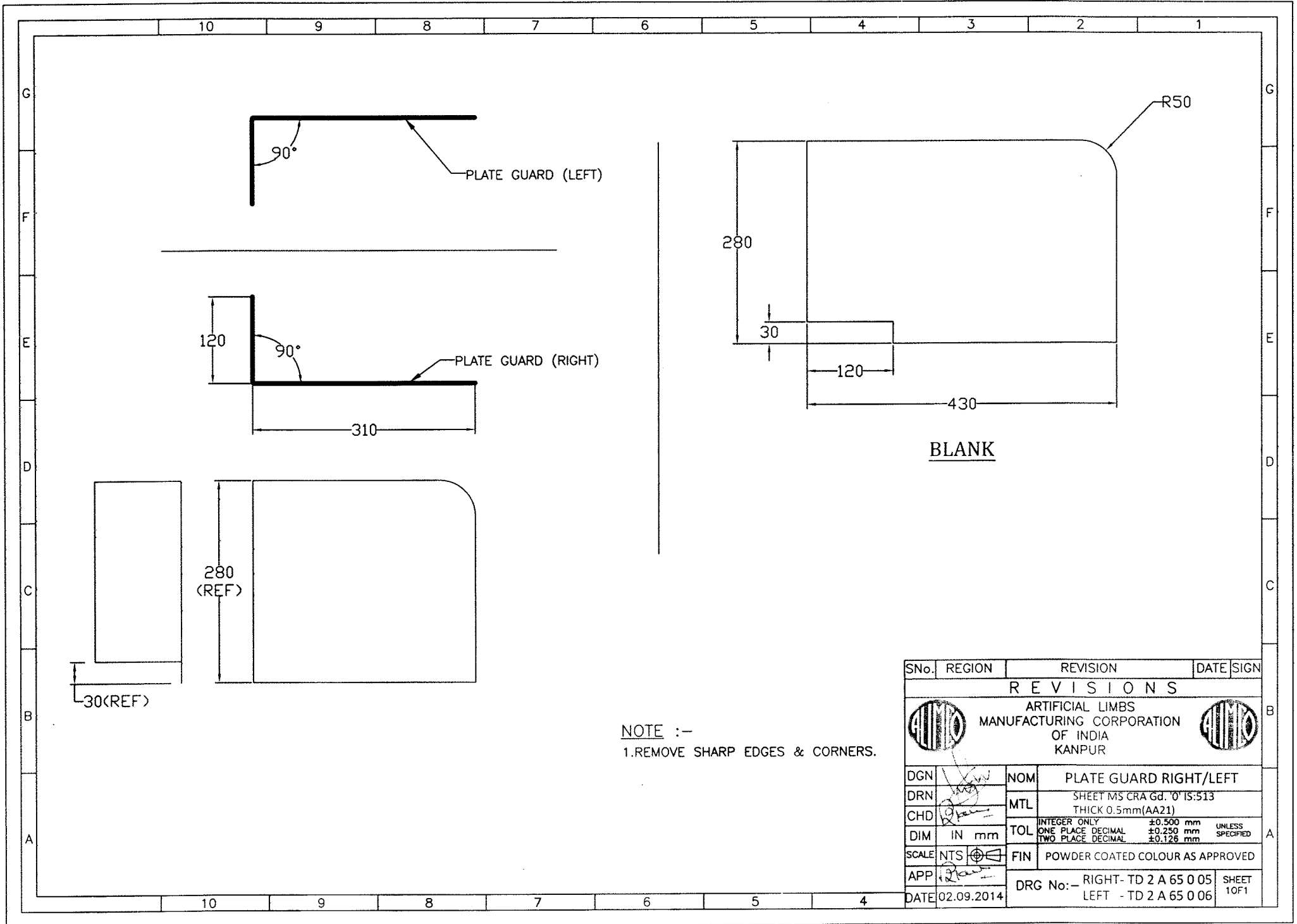
DGN	<i>Bisw</i>	NOM	TABLE HOLDER ASSY	
DRN	<i>Chd</i>	MTL	_____	
CHD	<i>Bisw</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	UNLESS SPECIFIED
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPD	
SCALE	NTS	APP	DRG No:-TD 2 A 06 W A0	
DATE	11.09.12	SHEET	10F1	

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**TD2A65000**

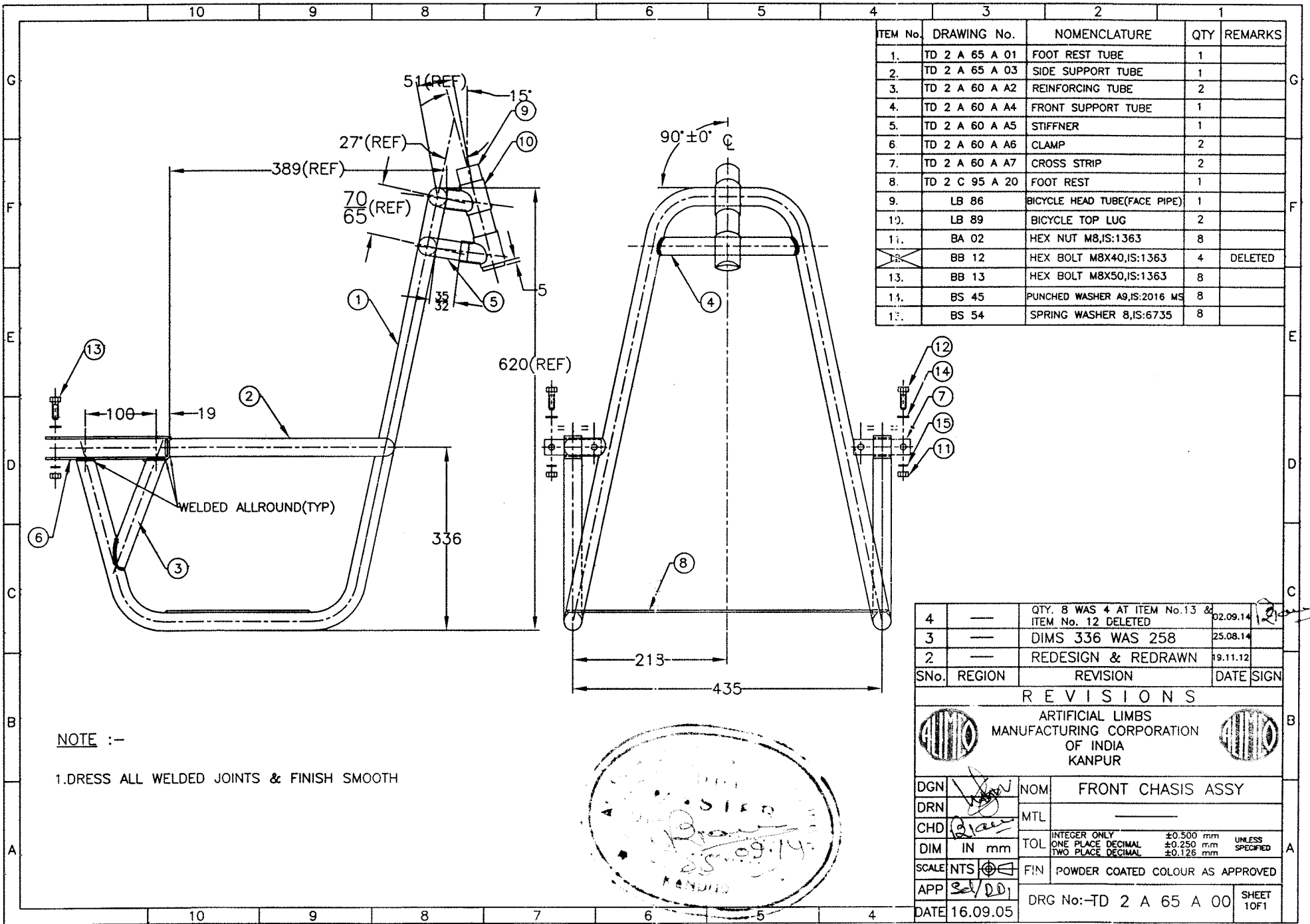


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**NOTE :-**  
1. REMOVE SHARP EDGES & CORNERS.

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN		NOM	PLATE GUARD RIGHT/LEFT	
DRN		MTL	SHEET MS CRA Gd. '0' IS:513 THICK 0.5mm(AA21)	
CHD		TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm <span style="float: right; font-size: small;">UNLESS SPECIFIED</span>	
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS			
APP				
DATE	02.09.2014		DRG No:- RIGHT- TD 2 A 65 0 05 LEFT - TD 2 A 65 0 06	SHEET 10F1





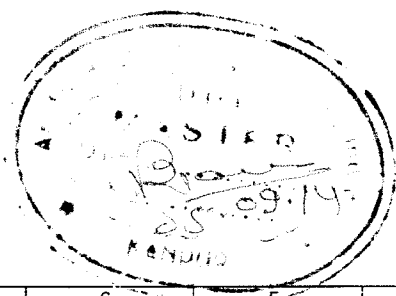
ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 65 A 01	FOOT REST TUBE	1	
2.	TD 2 A 65 A 03	SIDE SUPPORT TUBE	1	
3.	TD 2 A 60 A A2	REINFORCING TUBE	2	
4.	TD 2 A 60 A A4	FRONT SUPPORT TUBE	1	
5.	TD 2 A 60 A A5	STIFFNER	1	
6.	TD 2 A 60 A A6	CLAMP	2	
7.	TD 2 A 60 A A7	CROSS STRIP	2	
8.	TD 2 C 95 A 20	FOOT REST	1	
9.	LB 86	BICYCLE HEAD TUBE(FACE PIPE)	1	
10.	LB 89	BICYCLE TOP LUG	2	
11.	BA 02	HEX NUT M8,IS:1363	8	
<del>12.</del>	<del>BB 12</del>	<del>HEX BOLT M8X40,IS:1363</del>	<del>4</del>	<del>DELETED</del>
13.	BB 13	HEX BOLT M8X50,IS:1363	8	
14.	BS 45	PUNCHED WASHER A9,IS:2016 MS	8	
15.	BS 54	SPRING WASHER 8,IS:6735	8	

4	---	QTY. 8 WAS 4 AT ITEM No.13 & ITEM No. 12 DELETED	02.09.14
3	---	DIMS 336 WAS 258	25.08.14
2	---	REDESIGN & REDRAWN	19.11.12
SNo.	REGION	REVISION	DATE SIGN

**REVISIONS**

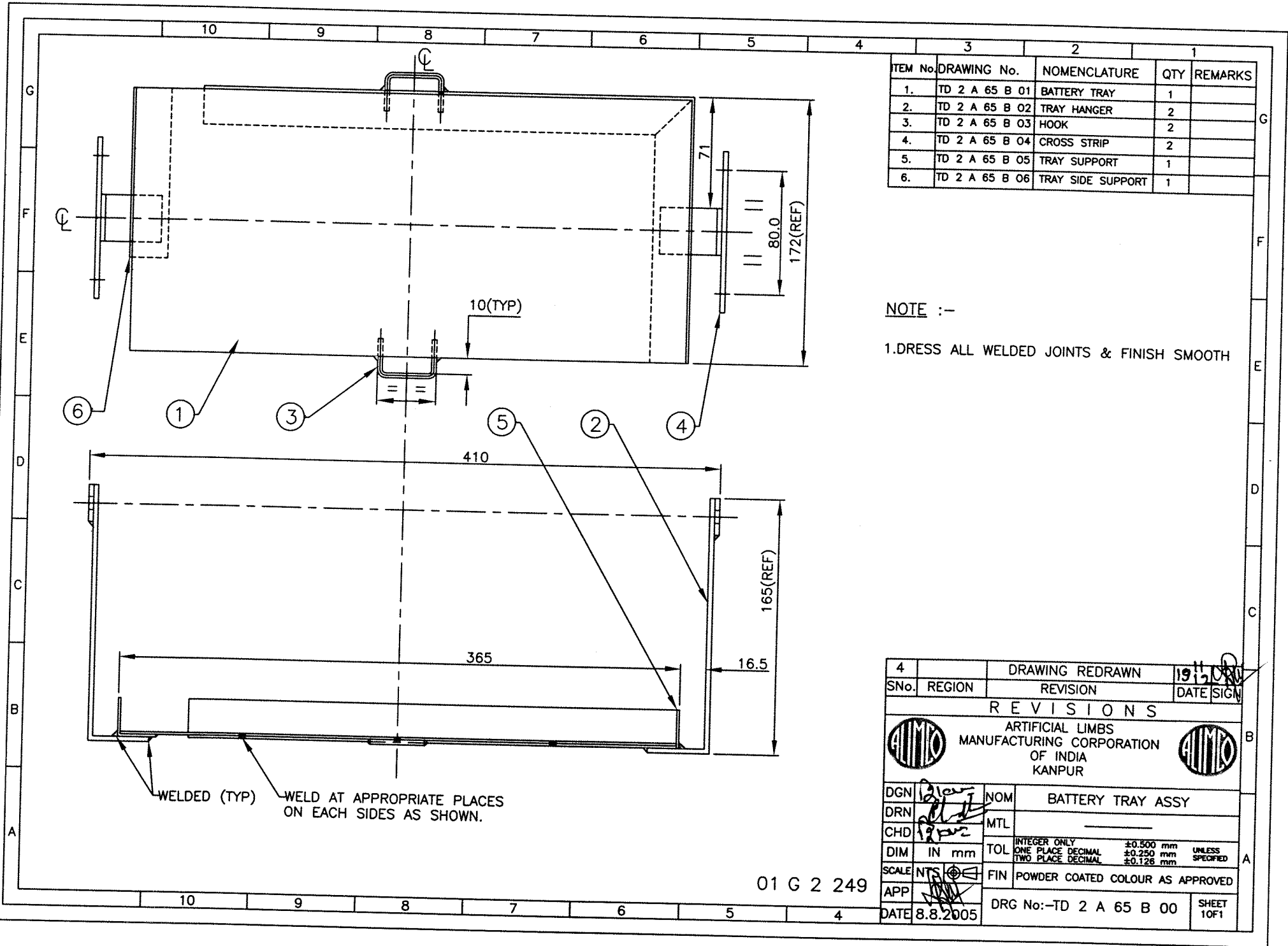
ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR

DGN	NOM	FRONT CHASIS ASSY
DRN	MTL	
CHD	TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm
DIM	FIN	POWDER COATED COLOUR AS APPROVED
SCALE	APP	
DATE 16.09.05	DRG No:-TD 2 A 65 A 00	SHEET 10F1



**NOTE :-**

1.DRESS ALL WELDED JOINTS & FINISH SMOOTH



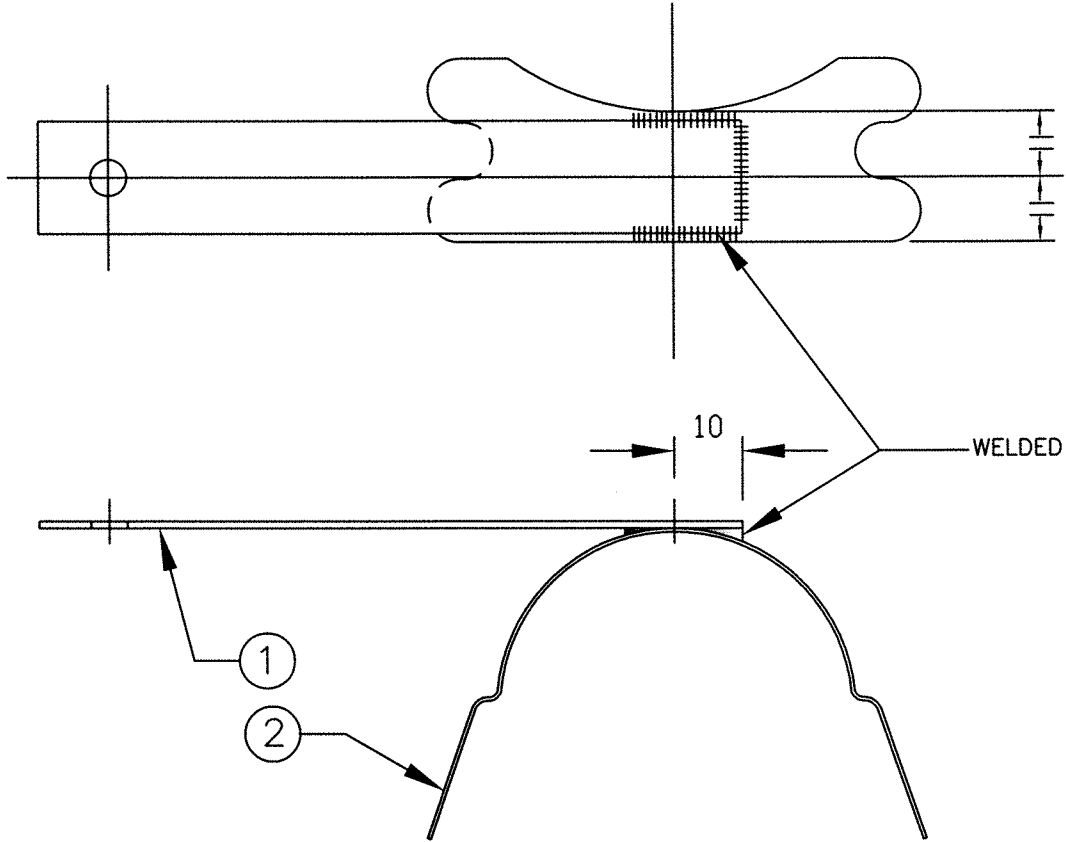
ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 65 B 01	BATTERY TRAY	1	
2.	TD 2 A 65 B 02	TRAY HANGER	2	
3.	TD 2 A 65 B 03	HOOK	2	
4.	TD 2 A 65 B 04	CROSS STRIP	2	
5.	TD 2 A 65 B 05	TRAY SUPPORT	1	
6.	TD 2 A 65 B 06	TRAY SIDE SUPPORT	1	

**NOTE :-**  
 1.DRESS ALL WELDED JOINTS & FINISH SMOOTH

4		DRAWING REDRAWN	19/12/08
SNo.	REGION	REVISION	DATE SIGN
REVISIONS			
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR			
DGN	12/05	NOM	BATTERY TRAY ASSY
DRN	12/05	MTL	
CHD	12/05		
DIM	IN mm	TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.128 mm
SCALE	NTS	FIN	POWDER COATED COLOUR AS APPROVED
APP			
DATE	8.8.2005	DRG No.:-TD 2 A 65 B 00	SHEET 10F1

01 G 2 249

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 65 H 01	CLAMP PLATE	1	
2.	LF 11	MUDGUARD CLAMP FOR HERO RANGER TYPE MNDGUARD FOR WHEEL SIZE 26"X2.125" (PROPRIETARY ITEM)	1	



NOTE :-

1. DRESS WELDED JOINT & FINISH SMOOTH

2	—	DRAWING REDRAWN	19/12	<i>[Signature]</i>
SNo.	REGION	REVISION	DATE	SIGN

REVISIONS



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR

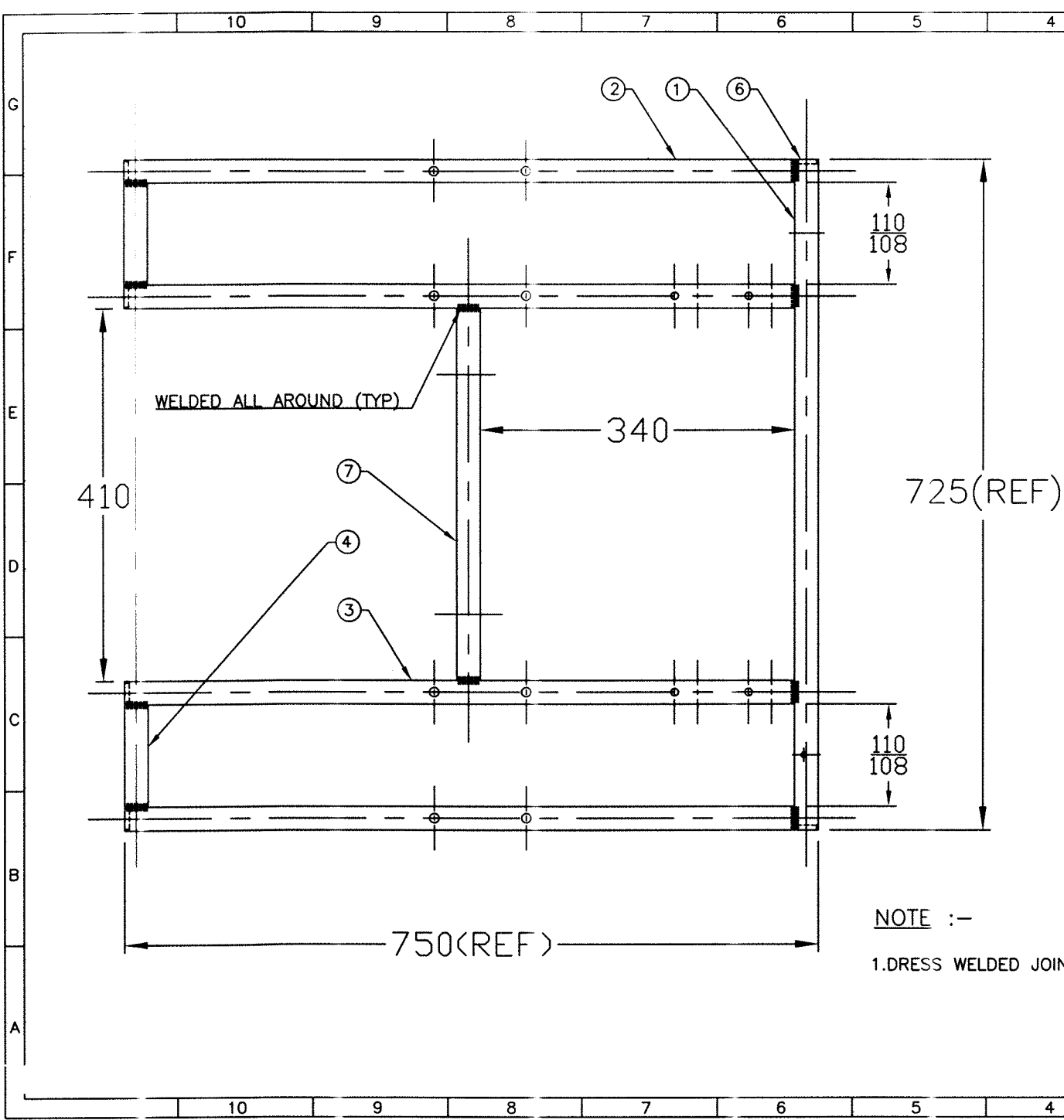


DGN	<i>[Signature]</i>	NOM	MUDGUARD CLAMP ASSY
DRN	<i>[Signature]</i>	MTL	—
CHD	<i>[Signature]</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm UNLESS SPECIFIED
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED
SCALE	NTS	APP	<i>[Signature]</i>
APP	<i>[Signature]</i>	DATE	08.08.05
DRG No:— TD 2 A 65 H 00			SHEET 10F1

01 J 3 100

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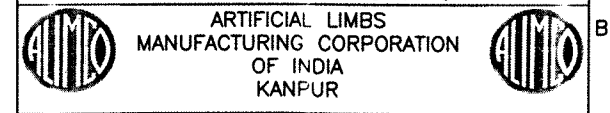


ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 65 N 01	MAIN TUBE	1	
2.	TD 2 A 65 N 02	SIDE TUBE OUTER	2	
3.	TD 2 A 65 N 03	SIDE TUBE INNER	2	
4.	TD 2 A 65 N 04	SIDE SPACER TUBE	2	
<del>5.</del>	<del>TD 2 A 65 N 05</del>	<del>STRENGTHENING STRIP</del>	<del>4</del>	<del>DELETED</del>
6.	TD 2 A 50 L 06	PLATE BOTTOM	6	
7.	TD 2 A 65 N 06	REAR TUBE	1	

NOTE :-  
1.DRESS WELDED JOINT

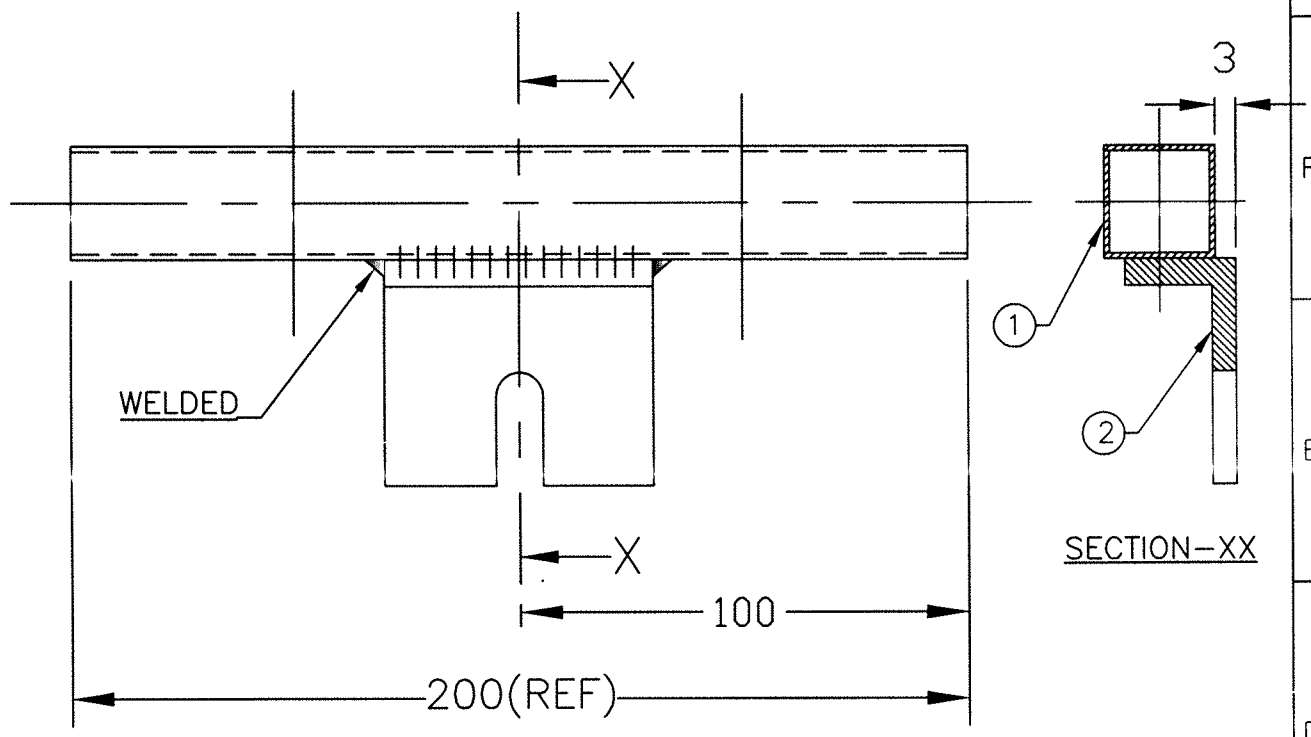
4	D-5	DIM 725 (REF) WAS 732(REF)	30.10.14	
3	G-4	TD 2A 65 N 06 WAS TD 2A 55 A 03 AT ITEM No. 7 & ITEM No. 5 DELETED	25.08.14	
2		REDESIGN & REDRAWN	19.11.12	
SNo.	REGION	REVISION	DATE	SIGN

REVISIONS





DGN		NOM	REAR CHASIS ASSY	
DRN		MTL	---	
CHD		TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm UNLESS SPECIFIED TWO PLACE DECIMAL ±0.125 mm	
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP		
DATE	4.4.2006		DRG No:-TD 2 A 65 N 00	SHEET 1OF1

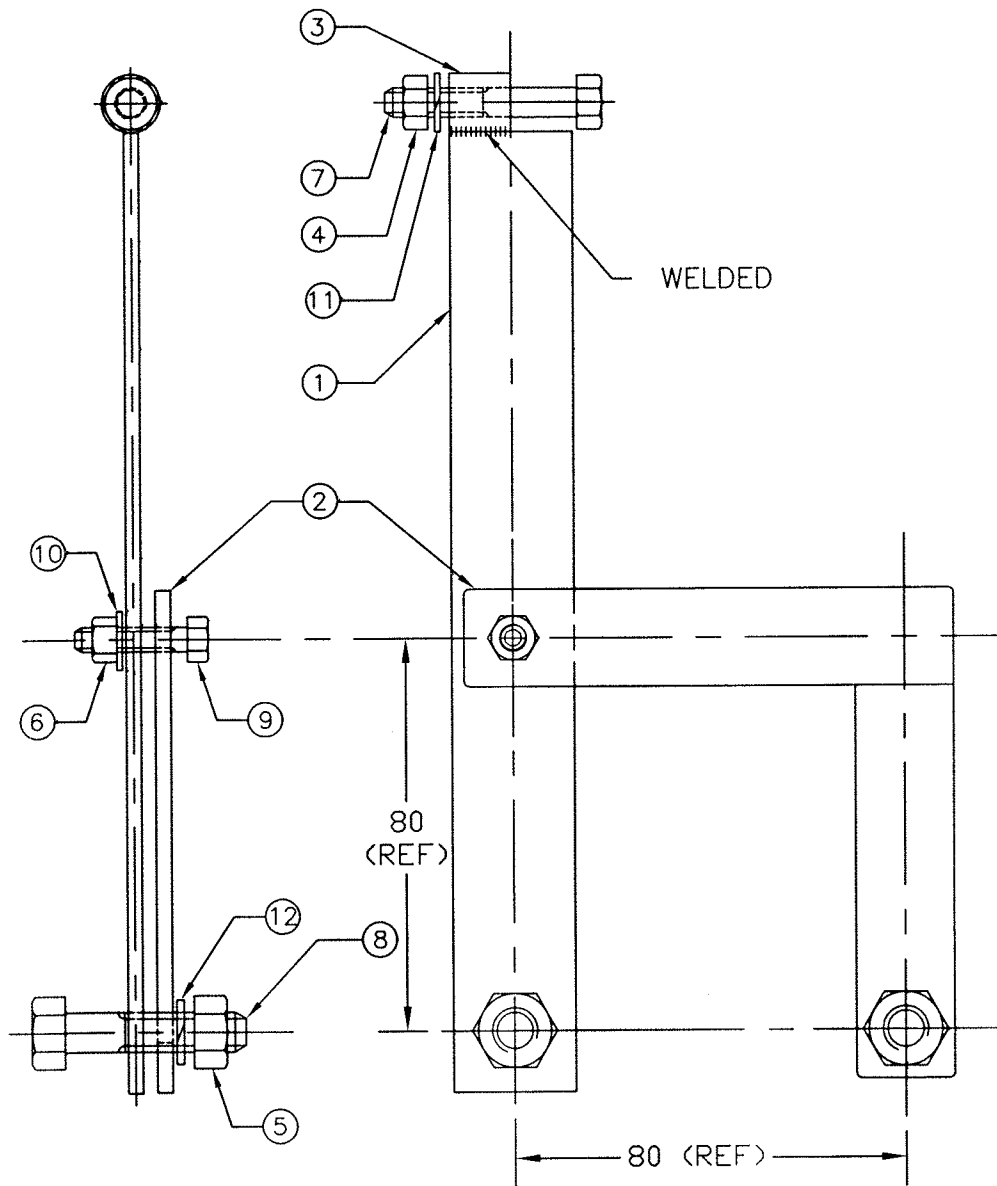
ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 65 P 01	BRACKET TUBE	1	
2.	TD 2 A 65 P 02	BRACKET	1	



NOTE :-

1.DRESS WELDED JOINT

1	E-1	ITEM No.2 SHIFT TO 3mm	30.10.14	<i>[Signature]</i>
SNo.	REGION	REVISION	DATE	SIGN
R E V I S I O N S				
 <b>ARTIFICIAL LIMBS</b> <b>MANUFACTURING CORPORATION</b> <b>OF INDIA</b> <b>KANPUR</b> 				
DGN	<i>[Signature]</i>	NOM	BRACKET TUBE ASSY	
DRN	<i>[Signature]</i>	MTL	---	
CHD	<i>[Signature]</i>	TOL	INTEGER ONLY            ±0.500 mm    UNLESS SPECIFIED ONE PLACE DECIMAL    ±0.250 mm TWO PLACE DECIMAL    ±0.126 mm	
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS			
APP	<i>[Signature]</i>			
DATE	19.11.12		DRG No:- TD 2 A 65 P 00	
			SHEET 10F1	

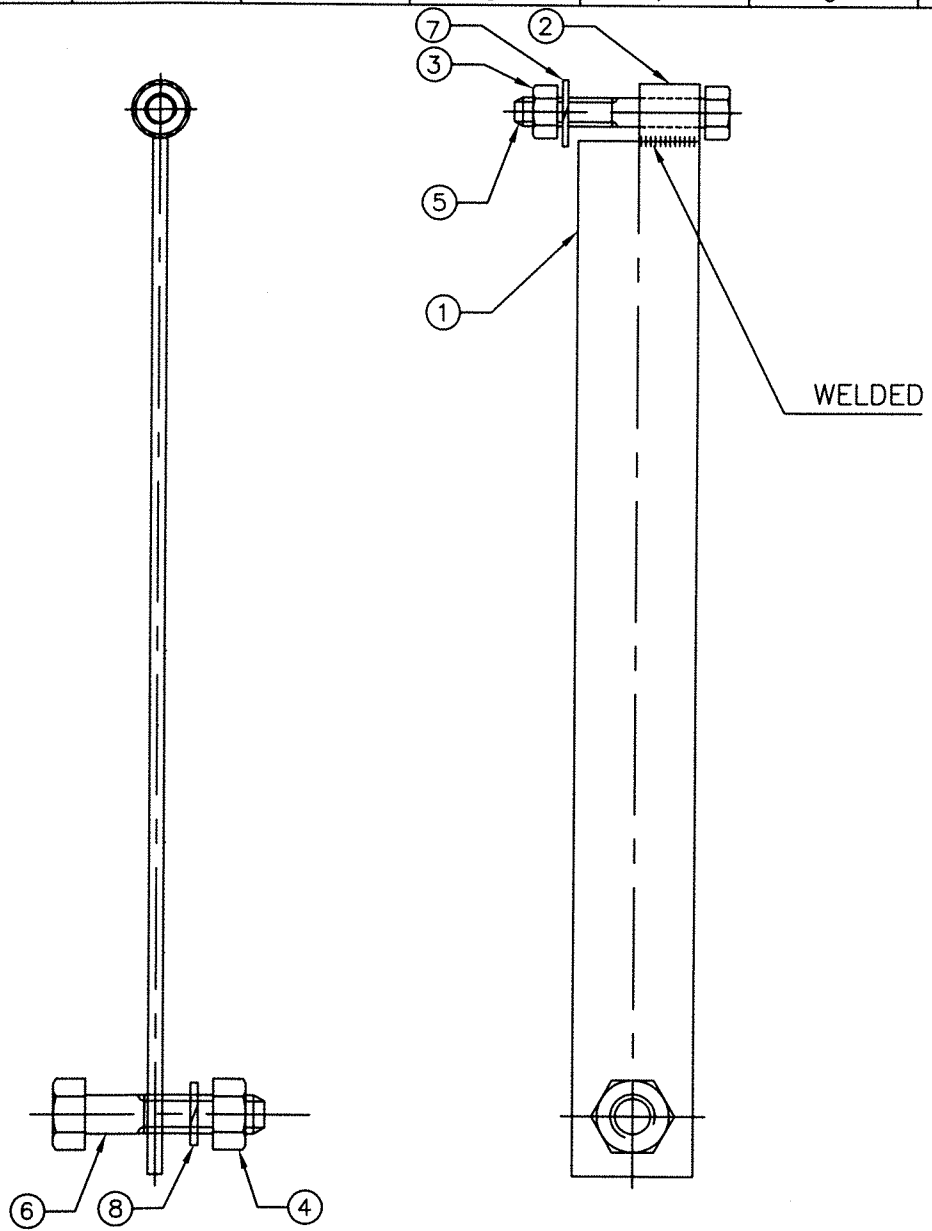


NOTE:-  
1.DRESS WELDED JOINT

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 65 Q 01	SIDE STRUT	1	
2.	TD 2 A 65 Q 02	LINK	1	
3.	TD 2 A 55 B 03	BUSH	1	
4.	BA 01	HEX NUT M6,IS:1363	1	
5.	BA 02	HEX NUT M8,IS:1363	2	
6.	BA 61	HEX NUT M5,IS:2389,BRASS	1	
7.	BB 06	HEX BOLT M6X35,IS:1363	1	
8.	BB 11	HEX BOLT M8X35,IS:1363	2	
9.	BM 07	HEX SCREW M5X12,IS:1364-P-4.6	1	
10.	BS 47	PUNCHED WASHER A5.5mm,IS:2016,MS	1	
11.	BS 53	SPRING WASHER 6,IS:6735	1	
12.	BS 54	SPRING WASHER 8,IS:6735	2	



2	---	QTY.2 WASIAT ITME No.5,8&12	02.09.14	
1	---	REDESIGN & REDRAWN	25.08.14	
SNo.	REGION	REVISION	DATE	SIGN
REVISIONS				
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR				
DGN	WAV	NOM	SIDE STRUT ASSY	
DRN		MTL		
CHD	Ram	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.128 mm UNLESS SPECIFIED	
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP		
DATE	19.11.12	DRG No.:-	TD 2 A 65 Q 00	SHEET 10F1

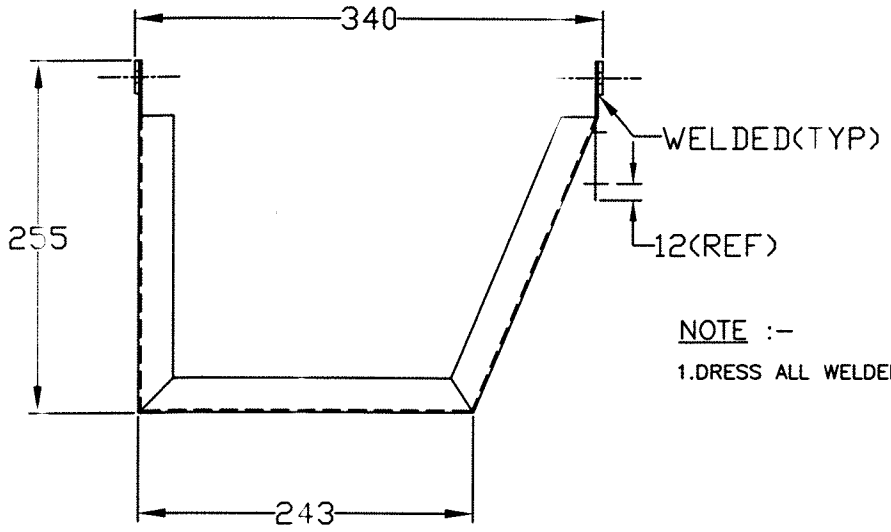
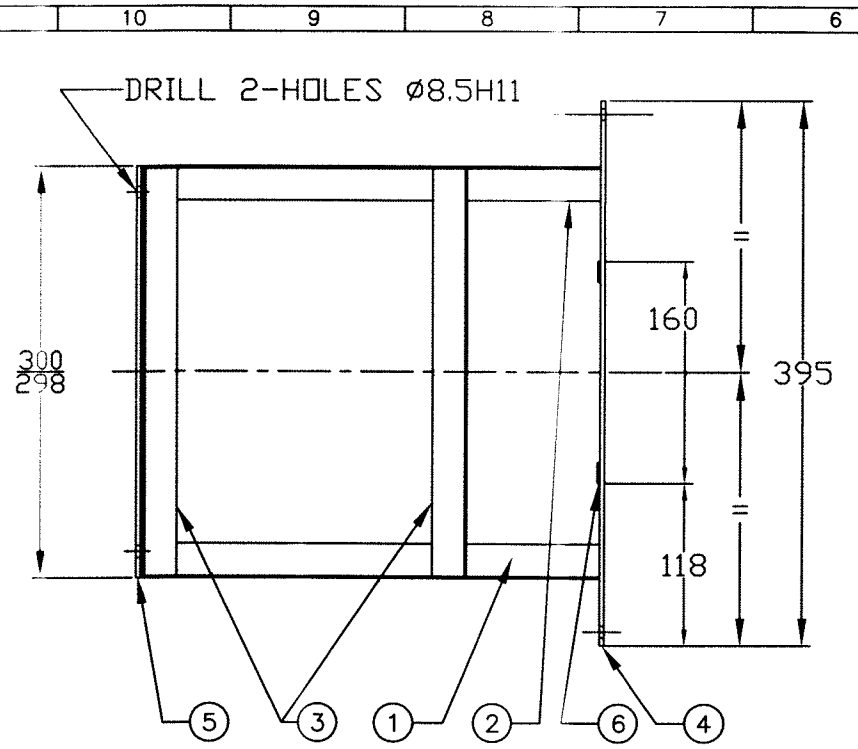
ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 65 R 01	BACK STRUT	1	
2.	TD 2 A 55 B 03	BUSH	1	
3.	BA 01	HEX NUT M6,IS:1363	1	
4.	BA 02	HEX NUT M8,IS:1363	1	
5.	BB 06	HEX BOLT M6X35,IS:1363	1	
6.	BB 11	HEX BOLT M8X35,IS:1363	1	
7.	BS 53	SPRING WASHER 6,IS:6735	1	
8.	BS 54	SPRING WASHER 8,IS:6735	1	



NOTE:-  
1.DRESS WELDED JOINT

01 G 2 316

SNNo.	REGION	REVISION	DATE	SIGN
REVISIONS				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN	210-	NOM	BACK STRUT ASSY	
DRN		MTL		
CHD	210-	TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP		
DATE	19.11.12	DRG No:-	TD 2 A 65 R 00	SHEET 10F1

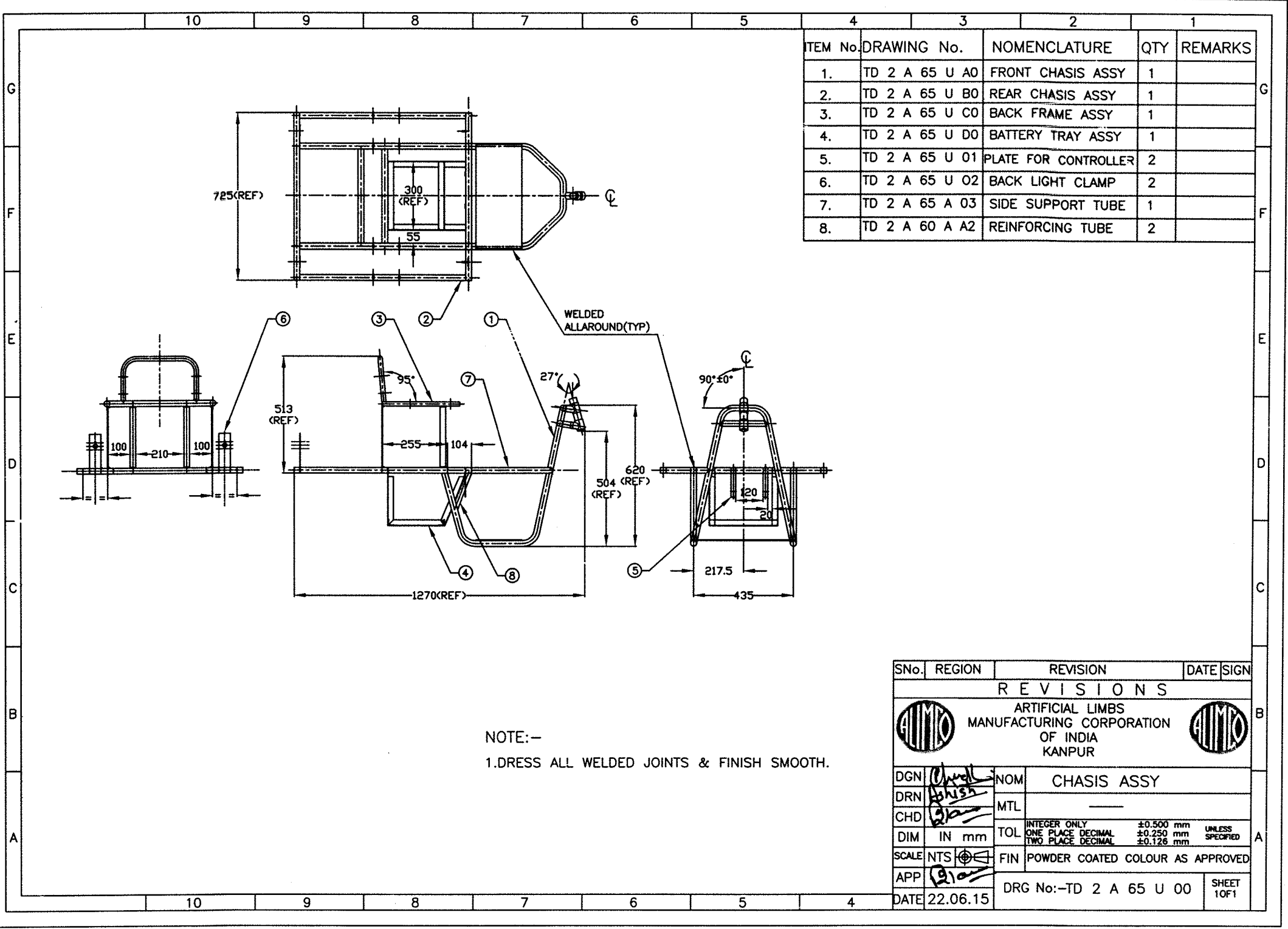


**NOTE :-**  
1.DRESS ALL WELDED JOINTS & FINISH SMOOTH.

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 65 T 01	TRAY HANGER (RIGHT)	1	
2.	TD 2 A 65 T 02	TRAY HANGER (LEFT)	1	
3.	TD 2 A 65 T 03	TRAY FRAME PIECE	2	
4.	TD 2 A 65 T 04	HANGER STIFFNER(FRONT)	1	
5.	TD 2 A 65 T 05	HANGER STIFFNER(REAR)	1	
6.	TD 2 A 65 0 03	CONTROLLER HOLDER PLATE	2	

1.	G-4	QTY 2 WAS 1 AT ITEM No.3	30.10.14	
SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
<b>ARTIFICIAL LIMBS</b> <b>MANUFACTURING CORPORATION</b> <b>OF INDIA</b> <b>KANPUR</b>				
DGN		NOM	BATTERY TRAY ASSY	
DRN		MTL		
CHD		TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm	
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP		
DATE	02.09.2014	DRG No.:-TD 2 A 65 T 00	SHEET 10F1	

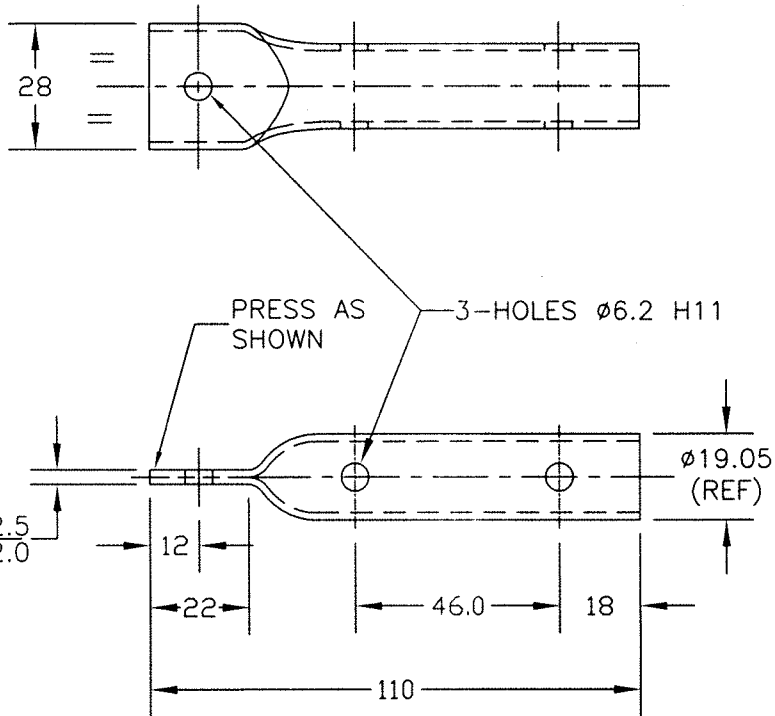




ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 65 U A0	FRONT CHASIS ASSY	1	
2.	TD 2 A 65 U B0	REAR CHASIS ASSY	1	
3.	TD 2 A 65 U C0	BACK FRAME ASSY	1	
4.	TD 2 A 65 U D0	BATTERY TRAY ASSY	1	
5.	TD 2 A 65 U 01	PLATE FOR CONTROLLER	2	
6.	TD 2 A 65 U 02	BACK LIGHT CLAMP	2	
7.	TD 2 A 65 A 03	SIDE SUPPORT TUBE	1	
8.	TD 2 A 60 A A2	REINFORCING TUBE	2	



NOTE:--  
1.DRESS ALL WELDED JOINTS & FINISH SMOOTH.

SNo.	REGION	REVISION	DATE	SIGN
REVISIONS				
		ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR		
DGN	<i>Chand</i>	NOM	CHASIS ASSY	
DRN	<i>Ashish</i>	MTL	---	
CHD	<i>Chand</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm <small>UNLESS SPECIFIED</small>	
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP	<i>Chand</i>	
DATE	22.06.15	DRG No.:	TD 2 A 65 U 00	SHEET 10F1

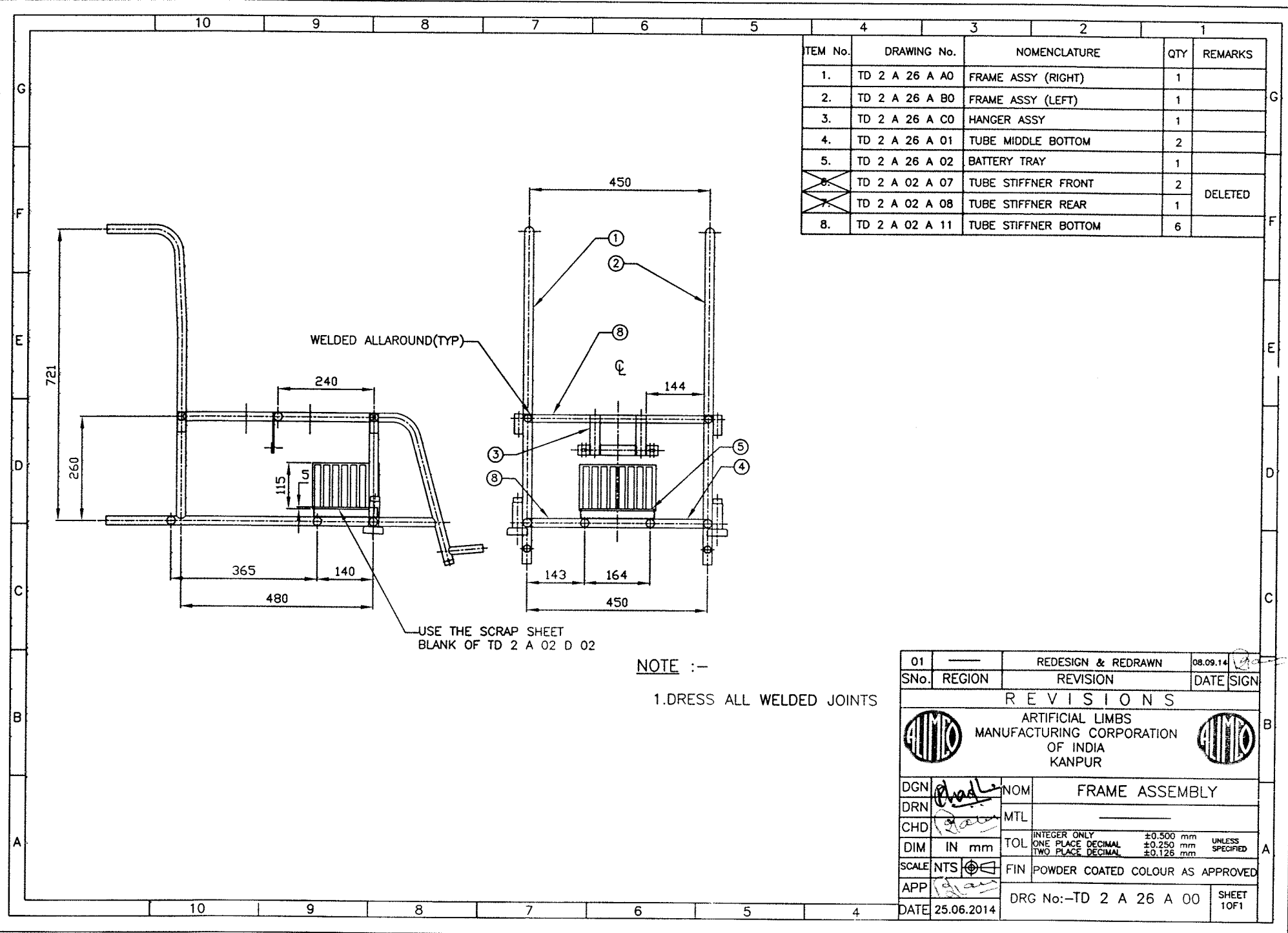


NOTE:-

1.REMOVE SHARP EDGES & CORNERS

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN	<i>Ashish</i>	NOM	BRAKE HOLDER TUBE	
DRN	<i>Ria</i>	MTL	STEEL TUBE ERW-C1 OD 19.05mm THICK 1.0mm IS:2039 ANNEALED(AF14)	
CHD	<i>Ria</i>	TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS			
APP	<i>Ria</i>			
DATE	13.11.15		DRG No:- TD 2 A 65 V 01	SHEET 1 OF 1

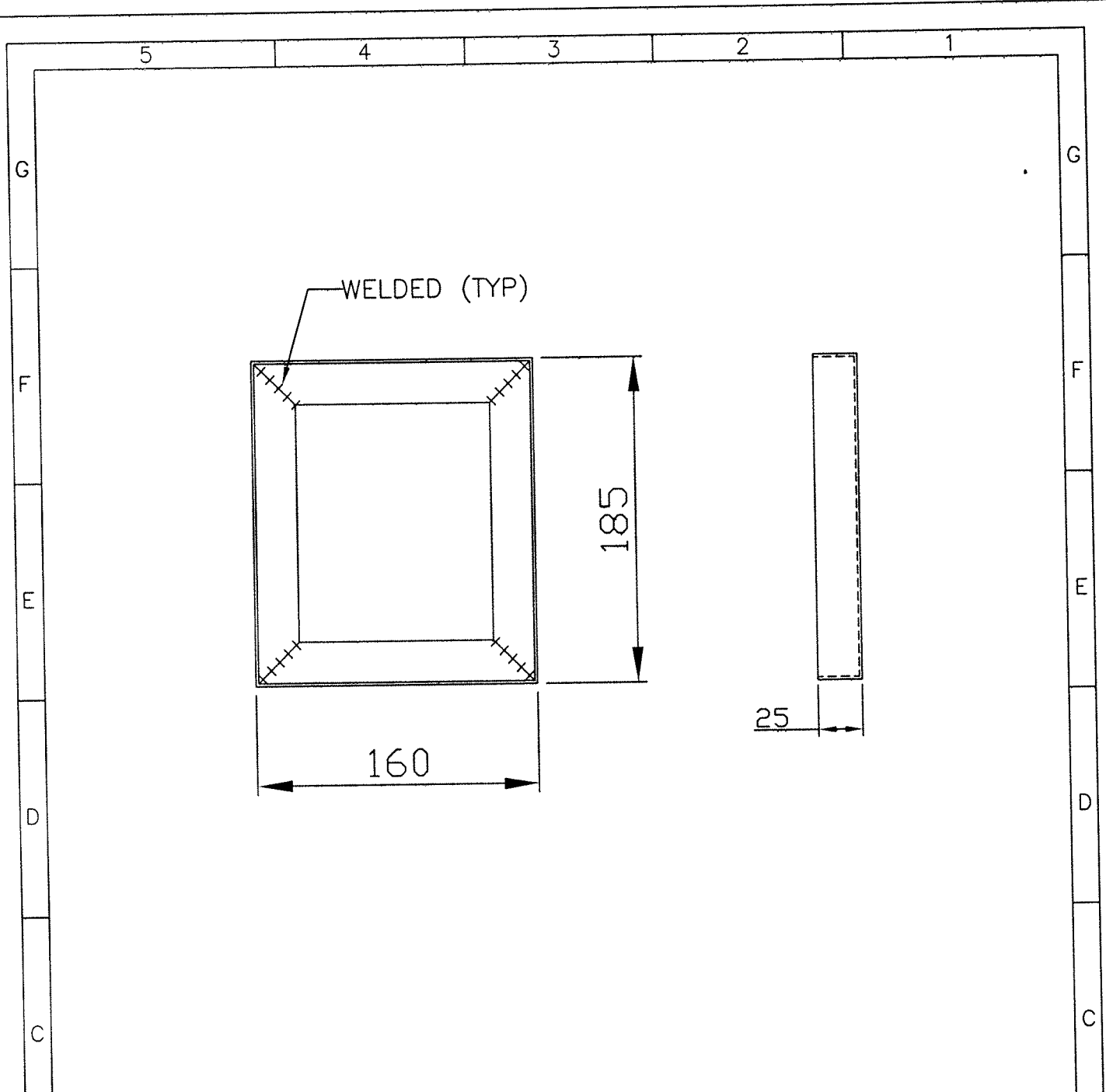
**TD2A26000**



ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 A 26 A A0	FRAME ASSY (RIGHT)	1	
2.	TD 2 A 26 A B0	FRAME ASSY (LEFT)	1	
3.	TD 2 A 26 A C0	HANGER ASSY	1	
4.	TD 2 A 26 A 01	TUBE MIDDLE BOTTOM	2	
5.	TD 2 A 26 A 02	BATTERY TRAY	1	
<del>6.</del>	<del>TD 2 A 02 A 07</del>	<del>TUBE STIFFNER FRONT</del>	<del>2</del>	DELETED
<del>7.</del>	<del>TD 2 A 02 A 08</del>	<del>TUBE STIFFNER REAR</del>	<del>1</del>	
8.	TD 2 A 02 A 11	TUBE STIFFNER BOTTOM	6	



NOTE :-  
1.DRESS ALL WELDED JOINTS

01	—	REDESIGN & REDRAWN	08.09.14
SNo.	REGION	REVISION	DATE SIGN
REVISIONS			
		ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR	
DGN	<i>Chad</i>	NOM	FRAME ASSEMBLY
DRN		MTL	
CHD			
DIM	IN mm	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm UNLESS SPECIFIED
SCALE	NTS	FIN	POWDER COATED COLOUR AS APPROVED
APP			
DATE	25.06.2014	DRG No.:-TD 2 A 26 A 00	SHEET 10F1

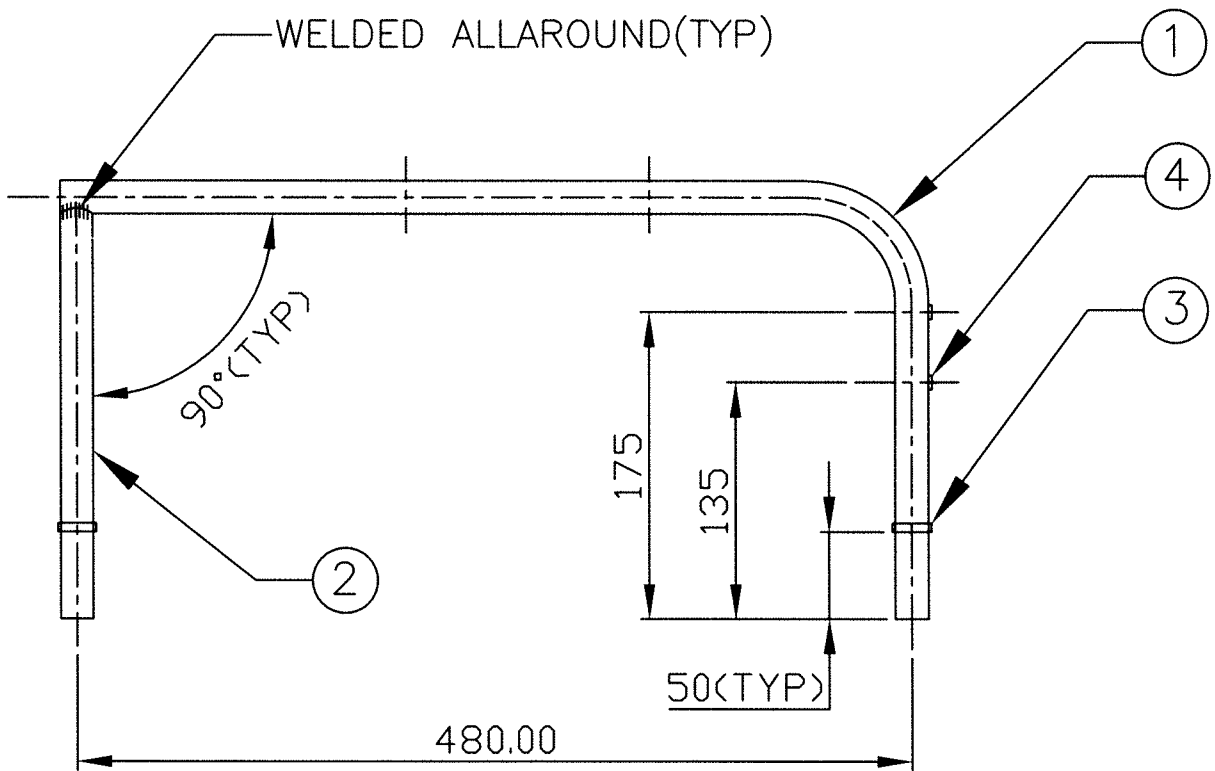


**NOTE:-**

1.REMOVE SHARP EDGES & CORNERS.

1	—	DIMS.160 & 185 WERE 235 & 210 RESP.	08.09.2014	<i>[Signature]</i>
SNo.	REGION	REVISION	DATE	SIGN
REVISIONS				
		ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR		
				
DGN	<i>[Signature]</i>	NOM	BATTERY TRAY	
DRN	<i>[Signature]</i>	MTL	MS ANGLE 25X25X1.6mm,IS:226 (AD 39)	
CHD	<i>[Signature]</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm UNLESS SPECIFIED	
DIM	IN mm	FIN	—	
SCALE	NTS			
APP	<i>[Signature]</i>	DRG No:-TD 2 A 26 A 02		SHEET 10F1
DATE	24.06.2014			

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARK
1	TD 2 A 26 B A1	ARM REST TUBE	1	
2	TD 2 A 26 B A2	VERTICAL TUBE ARM REST	1	
3	TD 2 A 26 B A3	RING ARM REST	2	
4	TD 2 A 06 A 05	NUT	2	



**NOTE:-**

1.DRESS ALL WELDED JOINTS.

SNo.	REGION	REVISION	DATE	SIGN
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**REVISIONS**



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



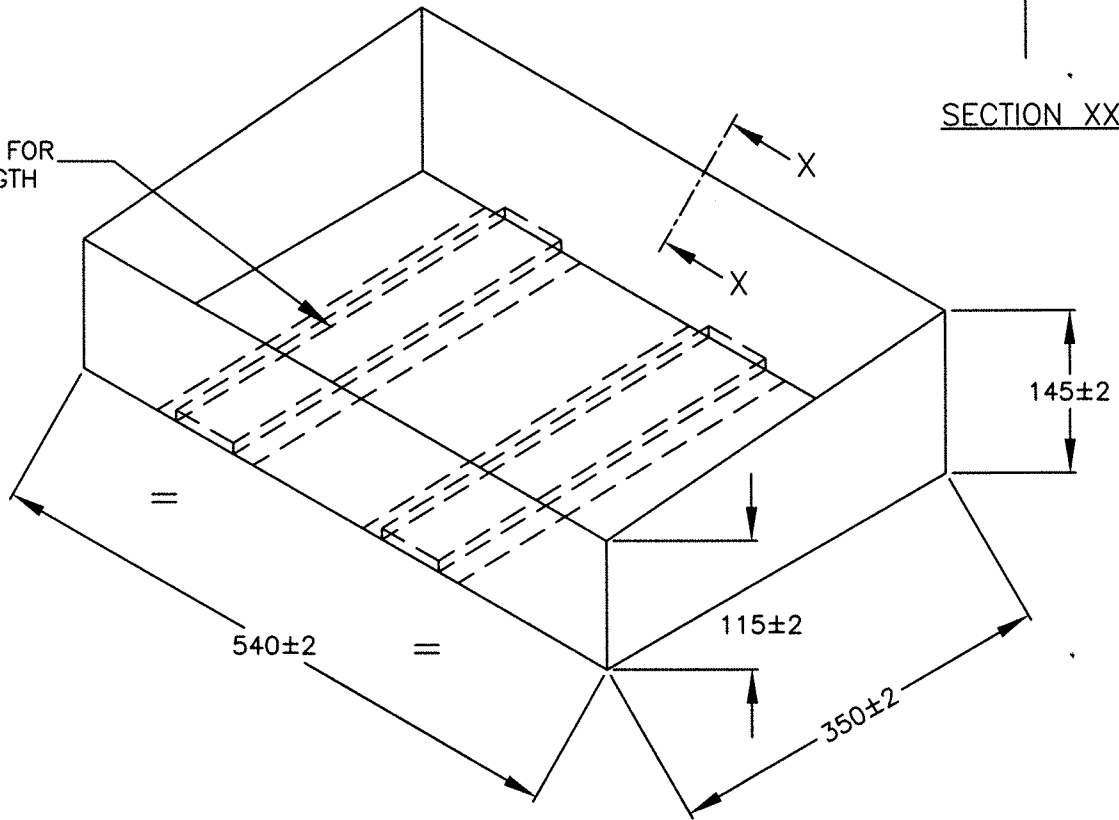
DGN	<i>Chudh.</i>	NOM	ARM REST ASSY(RIGHT)	
DRN		MTL		
CHD	<i>(Signature)</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	UNLESS SPECIFIED
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS			
APP	<i>(Signature)</i>			
DATE	26.06.2014		DRG No:-TD 2 A 26 B A0	SHEET 10F1

**TD2C48000**

2-RIB FOR STRENGTH



FOLD THROUGH OUT

SECTION XX

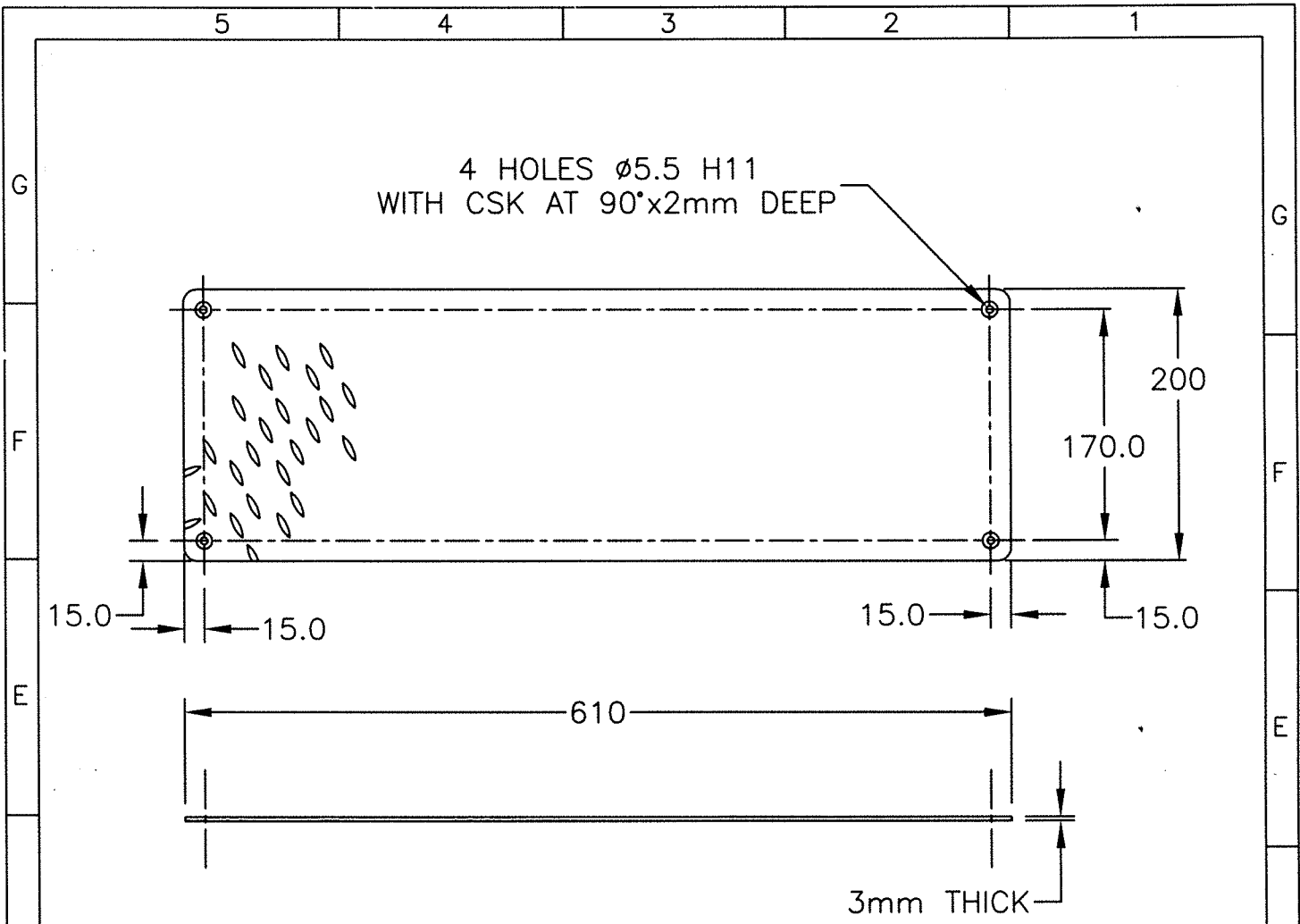


**NOTE:-**

- 1. REMOVE SHARP EDGES & CORNERS.
- 2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
		ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR		
				
DGN	<i>Arish</i>	NOM	TRAY	
DRN	<i>Arish</i>	MTL	SHEET G.I. 0.56mm THICK (SWG24) IS:226 (A A 75)	
CHD	<i>Arish</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm UNLESS SPECIFIED	
DIM	INmm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS			
APP	<i>Arish</i>			
DATE	28.04.2015	DRG No:-TD 2 C 48 0 01		SHEET 1 OF 1







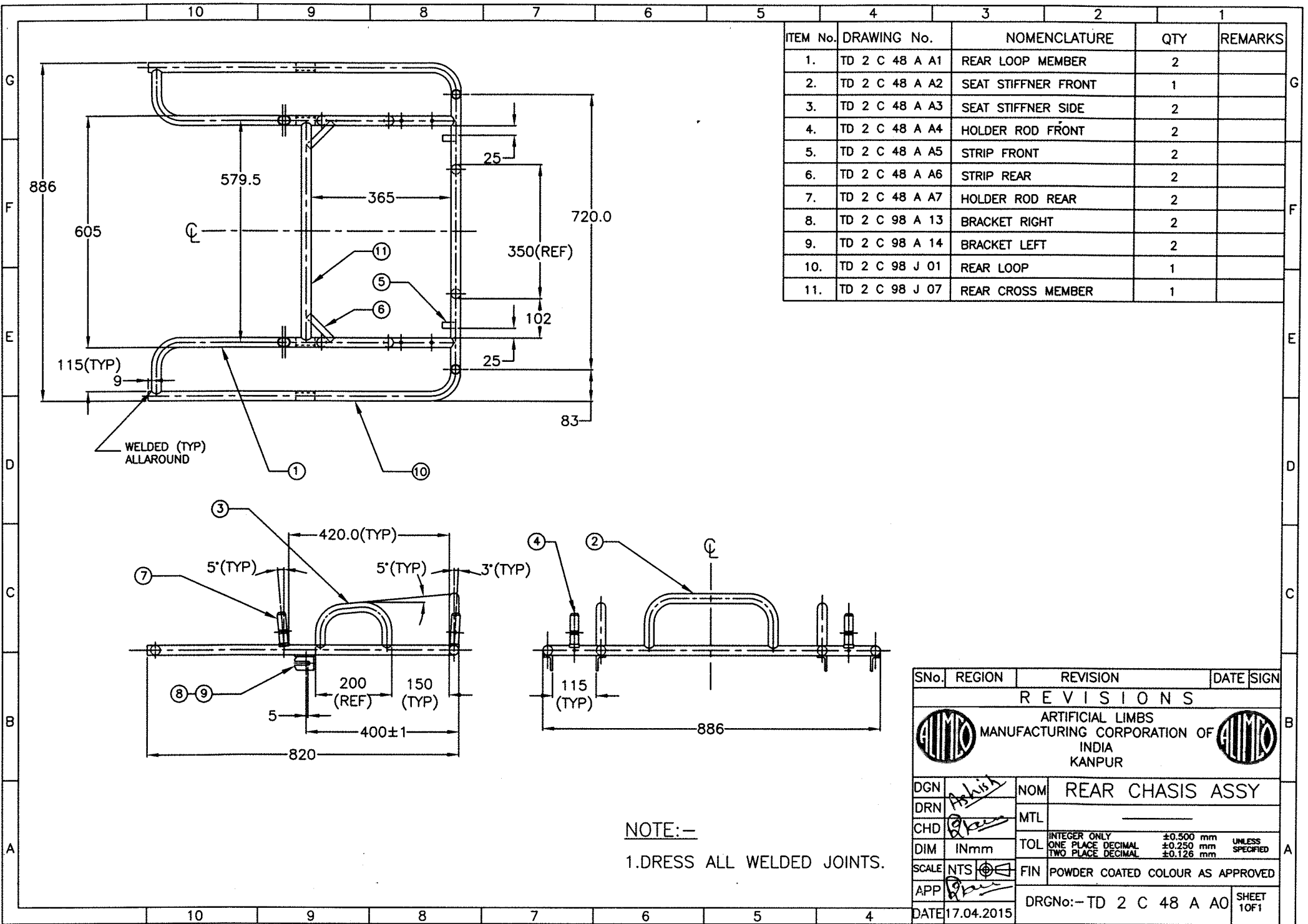
MTL:- AD 75

STEEL CHEQUERED PLATE THICKNESS 3mm  
(EXCLUDING RAISED PORTION)(IS:3502)

**NOTE:-**

1.REMOVE SHARP EDGES & CORNERS.

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
		ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR		
				
DGN	<i>Ashish</i>	NOM	FOOT REST	
DRN	<i>gaur</i>	MTL	INDICATED	
CHD	<i>gaur</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm <small>UNLESS SPECIFIED</small>	
DIM	INmm	FIN	POWDER COATED COLOUR AS, APPROVED	
SCALE	NTS			
APP	<i>gaur</i>			
DATE	23.04.2015		DRG No:- TD 2 C 48 A 01	SHEET 1 OF 1

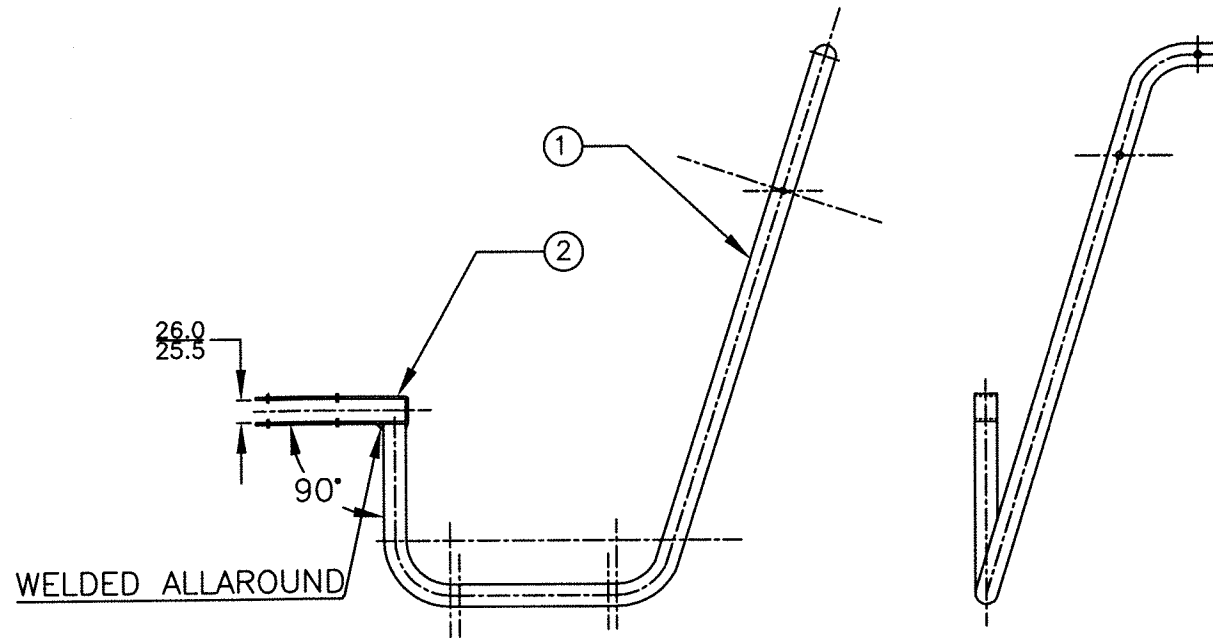


ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 48 A A1	REAR LOOP MEMBER	2	
2.	TD 2 C 48 A A2	SEAT STIFFNER FRONT	1	
3.	TD 2 C 48 A A3	SEAT STIFFNER SIDE	2	
4.	TD 2 C 48 A A4	HOLDER ROD FRONT	2	
5.	TD 2 C 48 A A5	STRIP FRONT	2	
6.	TD 2 C 48 A A6	STRIP REAR	2	
7.	TD 2 C 48 A A7	HOLDER ROD REAR	2	
8.	TD 2 C 98 A 13	BRACKET RIGHT	2	
9.	TD 2 C 98 A 14	BRACKET LEFT	2	
10.	TD 2 C 98 J 01	REAR LOOP	1	
11.	TD 2 C 98 J 07	REAR CROSS MEMBER	1	



SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR				
DGN	<i>Arshid</i>	NOM	REAR CHASIS ASSY	
DRN	<i>Arshid</i>	MTL		
CHD	<i>Arshid</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm <small>UNLESS SPECIFIED</small>	
DIM	IN/mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP		
DATE	17.04.2015	DRGNo:-	TD 2 C 48 A A0	SHEET 10F1

**NOTE:-**  
1.DRESS ALL WELDED JOINTS.

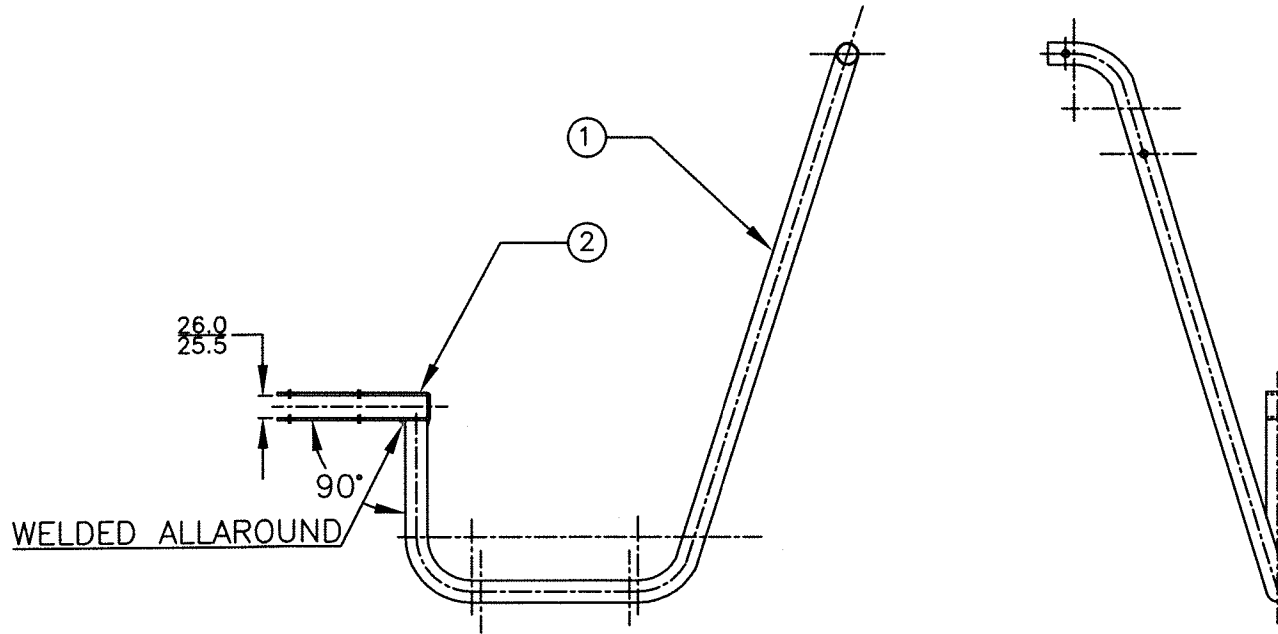
ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 48 A B1	FOOT REST TUBE (RIGHT)	1	
2.	TD 2 A 60 A A6	CLAMP	1	



NOTE:-  
1.DRESS WELDED JOINT.

SN.No.	REGION	REVISION	DATE	SIGN
REVISIONS				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN	<i>Adish</i>	NOM	FOOT REST TUBE ASSY.(RIGHT)	
DRN		MTL		
CHD	<i>Draw</i>	TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	
DIM	INmm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP		
DATE	20.04.2015	DRGNo:-	TD 2 C 48 A B0	SHEET 10F1

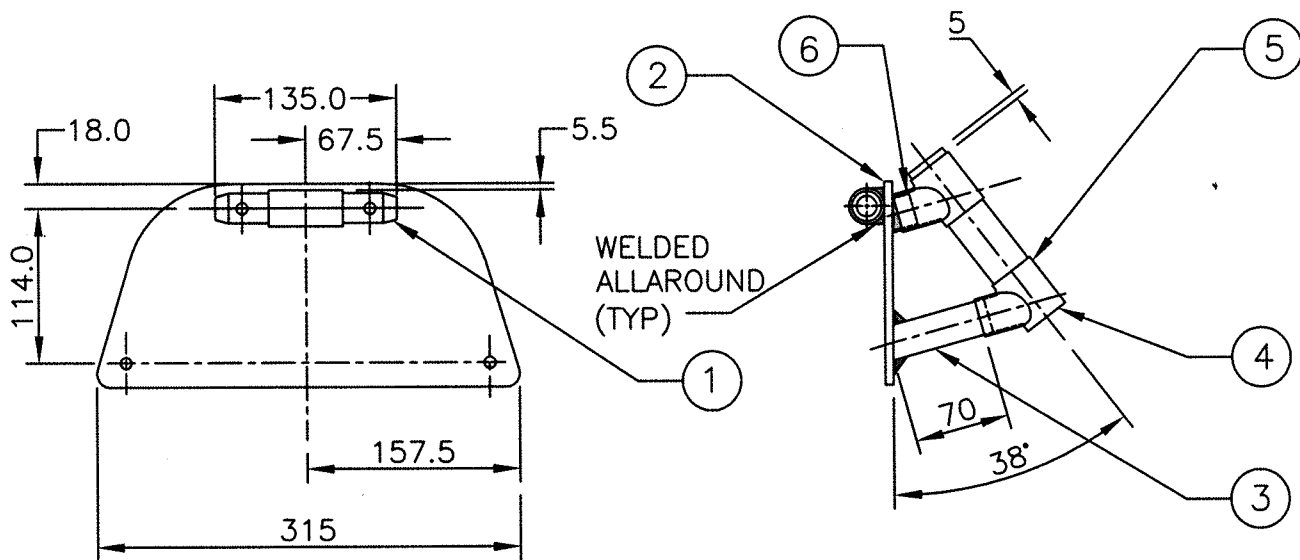
ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 48 A C1	FOOT REST TUBE (LEFT)	1	
2.	TD 2 A 60 A A6	CLAMP	1	



NOTE:—  
1.DRESS WELDED JOINT.

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR				
DGN	<i>Ashish</i>	NOM	FOOT REST TUBE ASSY.(LEFT)	
DRN	<i>Plan</i>	MTL	_____	
CHD	<i>Plan</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	UNLESS SPECIFIED
DIM	INmm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP		
DATE	20.04.2015	DRGNo:—	TD 2 C 48 A C0	SHEET 10F1

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 48 A D1	LINK ROD	1	
2.	TD 2 C 48 A D2	LINK PLATE	1*	
3.	TD 2 C 48 A D3	STIFFNER	1	
4.	LB 86	BICYCLE HEAD TUBE(FACE PIPE)	1	
5.	LB 89	BICYCLE TOP LUG	2	
6.	TD 2 C 48 A D4	INSERT TUBE	1	



**NOTE:-**

1.DRESS ALL WELDED JOINTS

SNo.	REGION	REVISION	DATE	SIGN
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**REVISIONS**

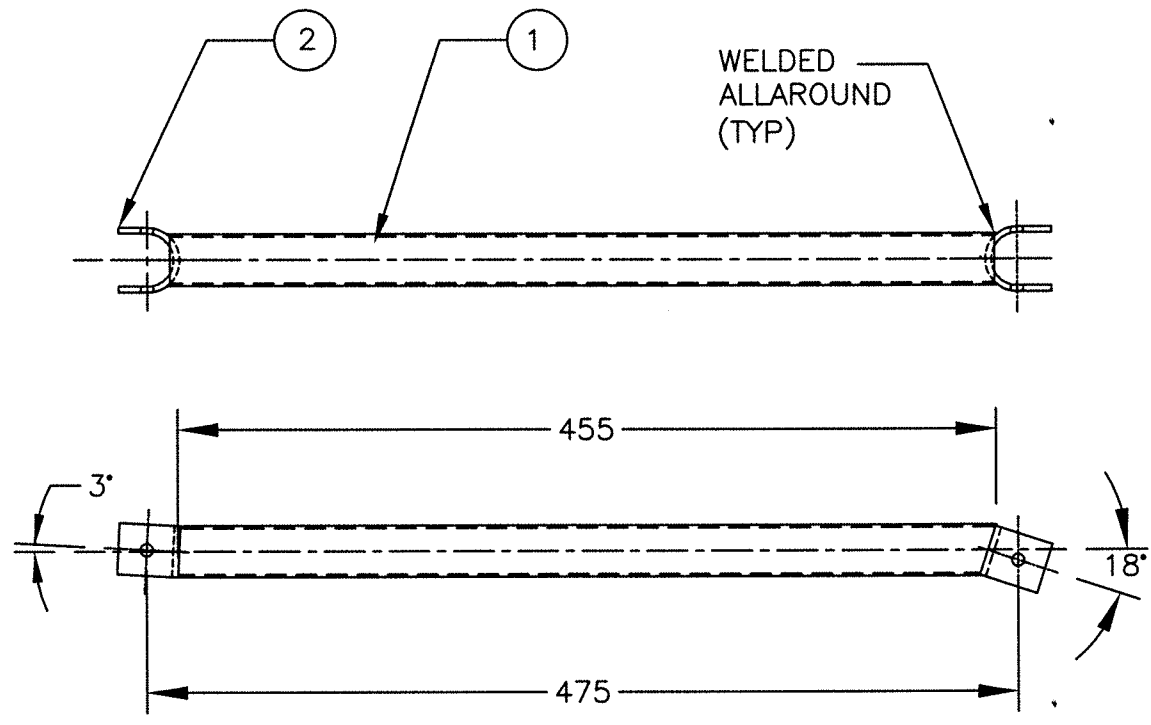


ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



DGN	<i>Ashish</i>	NOM	FRONT FACE PIPE ASSY	
DRN	<i>Ashish</i>	MTL	_____	
CHD	<i>Ravi</i>	TOL	INTEGER ONLY	±0.500 mm*
DIM	INmm		ONE PLACE DECIMAL	±0.250 mm
			TWO PLACE DECIMAL	±0.126 mm
SCALE	NTS	FIN	POWDER COATED COLOUR AS APPROVED	
APP	<i>Ravi</i>		DRG No:- TD 2 C 48 A D0	
DATE	23.04.2015		SHEET 1 OF 1	

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 48 A E1	SIDE SUPPORT TUBE	1	
2.	TD 2 C 48 A E2	CLAMP	2	



WELDED  
ALLAROUND  
(TYP)

NOTE:-

1.DRESS ALL WELDED JOINTS.

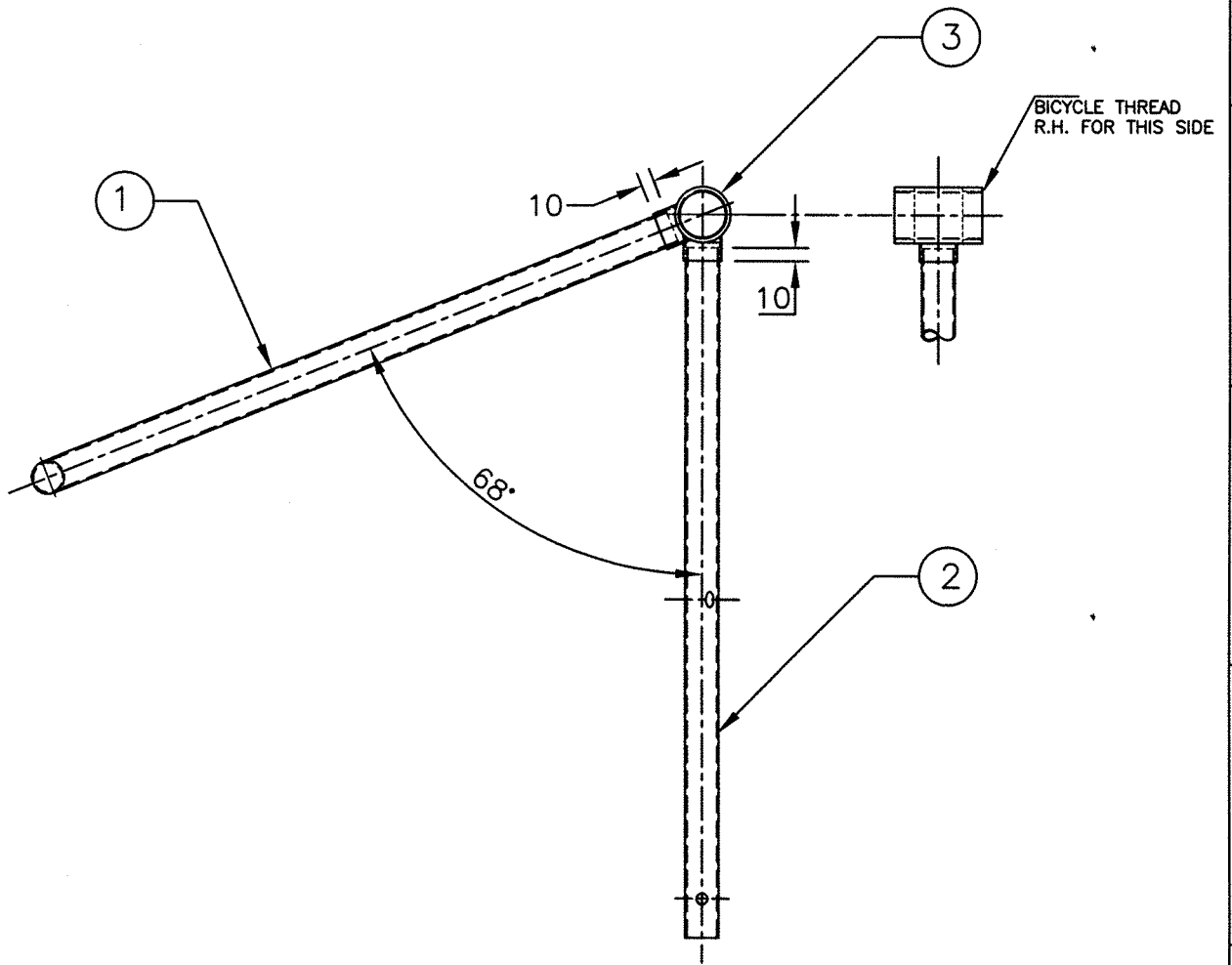
SNo.	REGION	REVISION	DATE	SIGN
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REVISIONS

ARTIFICIAL LIMBS  
 MANUFACTURING CORPORATION  
 OF INDIA  
 KANPUR

DGN	<i>Ashish</i>	NOM	SIDE SUPPORT TUBE ASSY.	
DRN	<i>Raw</i>	MTL	_____	
CHD	<i>Raw</i>	TOL	INTEGER ONLY      ±0.500 mm ONE PLACE DECIMAL    ±0.250 mm TWO PLACE DECIMAL    ±0.126 mm	UNLESS SPECIFIED
DIM	INmm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP	<i>Raw</i>	
DATE	23.04.2015	DRG No:-	TD 2 C 48 A E0	SHEET 1 OF 1

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 48 A F1	SIDE SUPPORT TUBE (RIGHT)	1	
2.	TD 2 C 48 A F2	VERTICAL SUPPORT (RIGHT)	1	
3.	LB 99	BICYCLE BOTTOM BRACKET	1	



**NOTE:-**

1.DRESS ALL WELDED JOINTS

SNo.	REGION	REVISION	DATE	SIGN
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**REVISIONS**

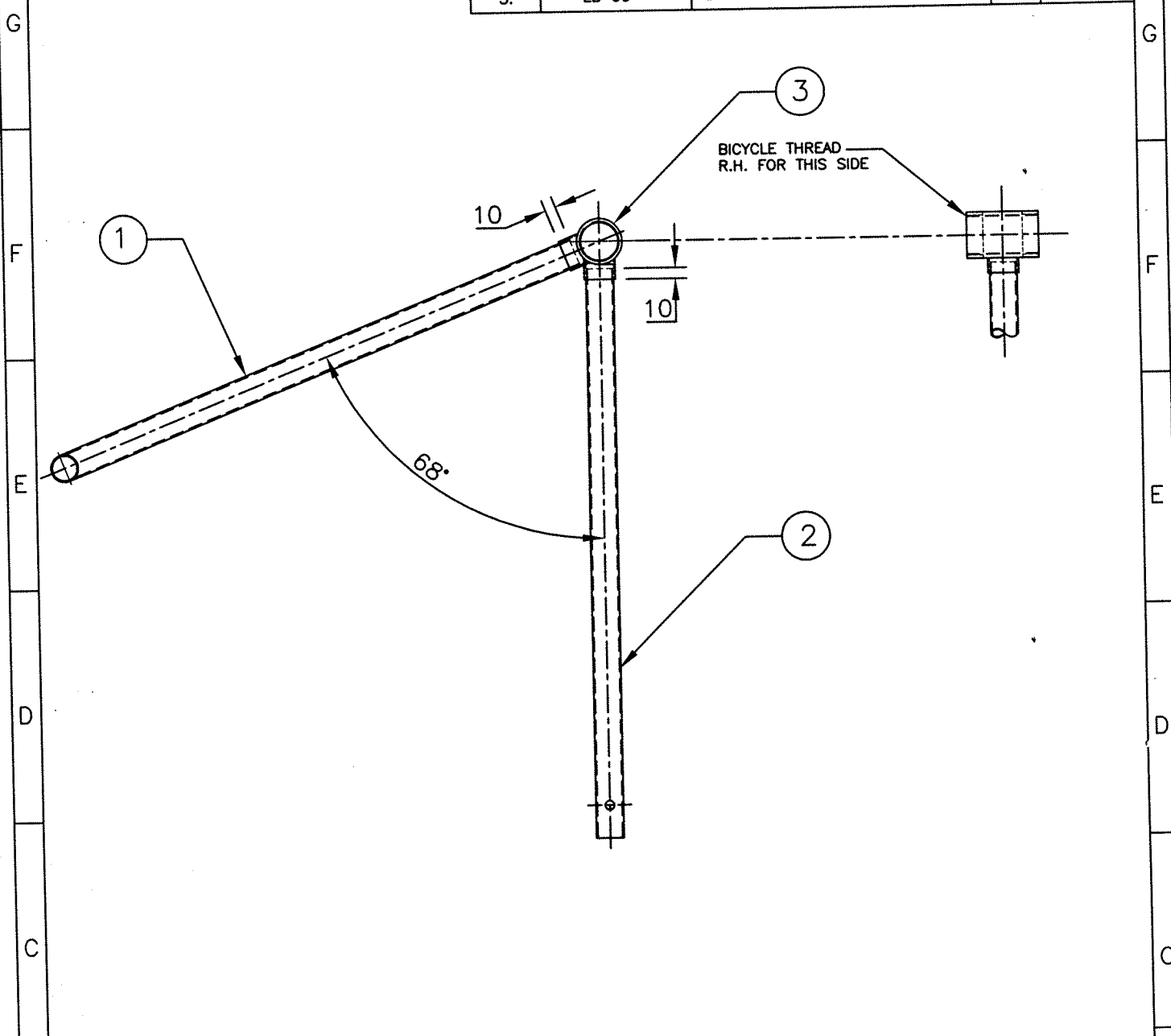


ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR





DGN	<i>Ashish</i>	NOM	BOTTOM BRACKET ASSY (RIGHT)	
DRN		MTL		
CHD	<i>Raw</i>	TOL	INTEGER ONLY ±0.500 mm	UNLESS SPECIFIED
DIM	INmm		ONE PLACE DECIMAL ±0.250 mm	
SCALE	NTS	FIN	POWDER COATED COLOUR AS APPROVED	
APP	<i>Raw</i>	DRG No:-	TD 2 C 48 A F0	SHEET 1 OF 1
DATE	23.04.2015			

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 48 A G1	SIDE SUPPORT TUBE (LEFT)	1	
2.	TD 2 C 48 A G2	VERTICAL SUPPORT (LEFT)	1	
3.	LB 99	BICYCLE BOTTOM BRACKET	1	

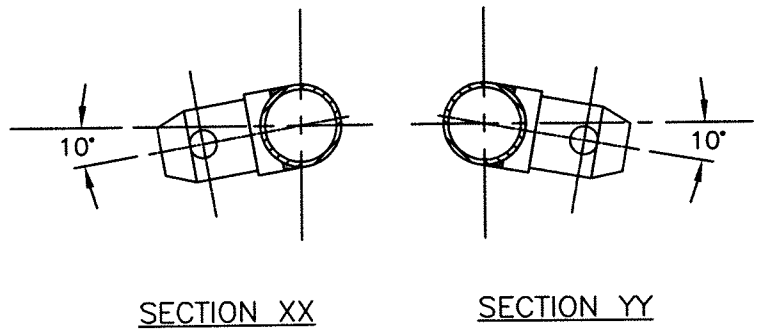
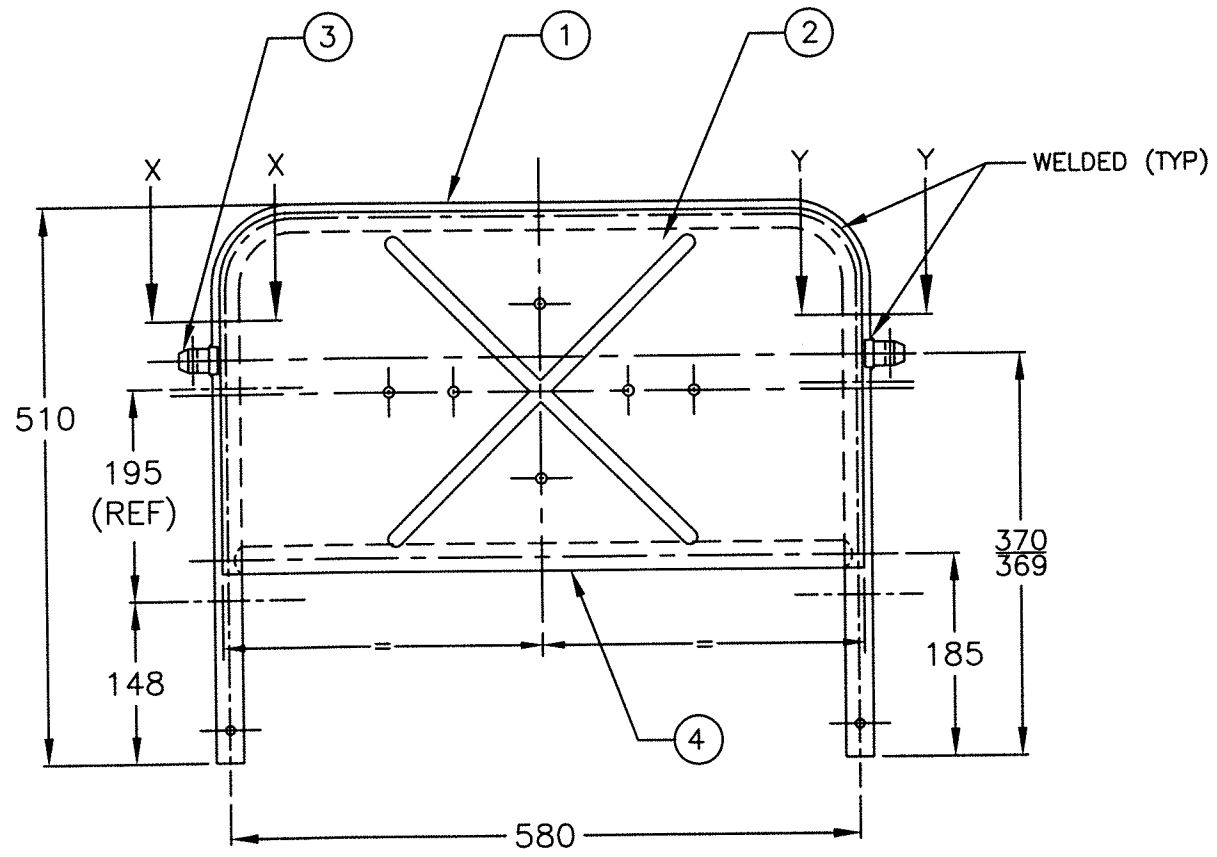


**NOTE:—**  
1.DRESS ALL WELDED JOINTS.

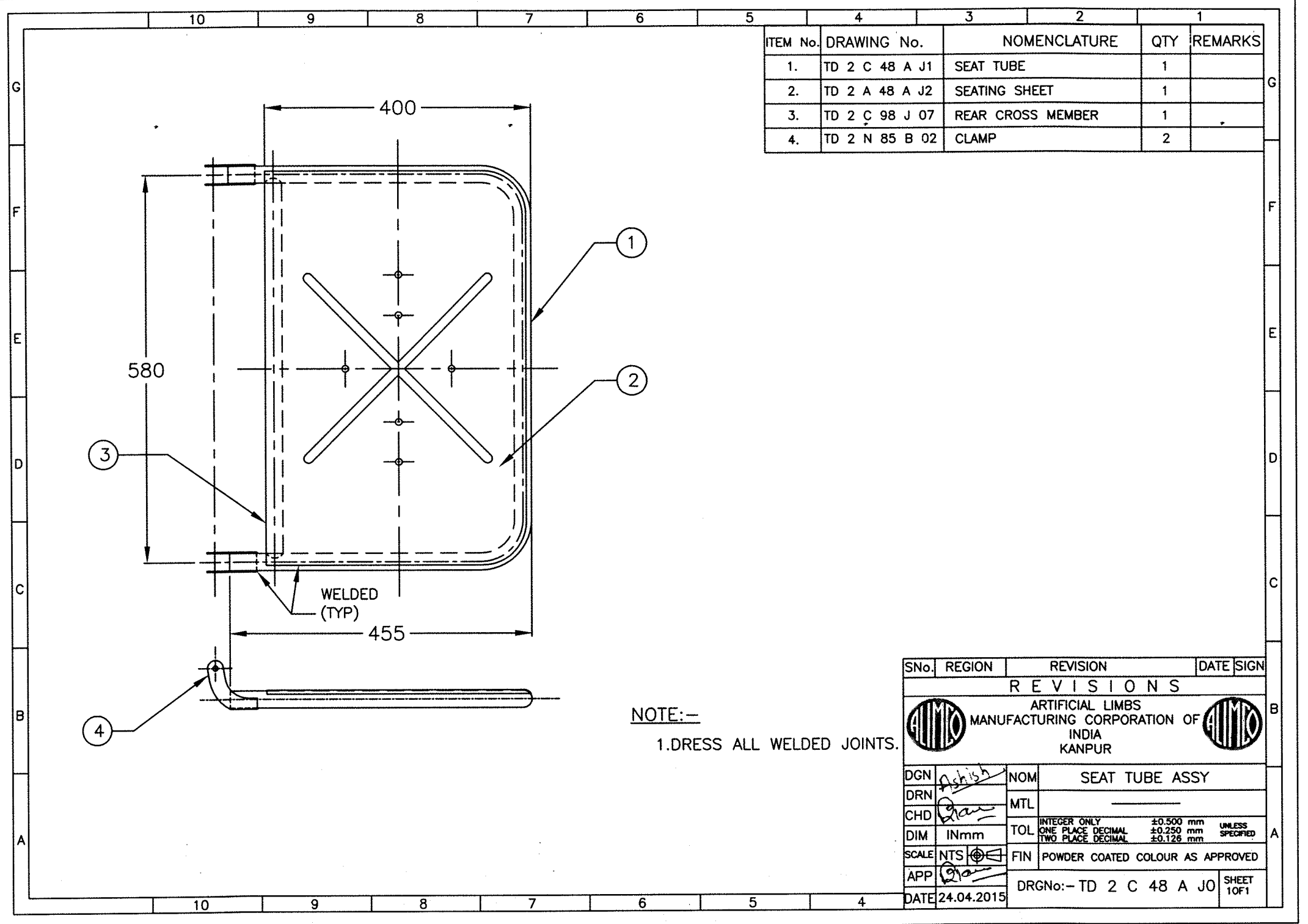
SNNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 <b>ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR</b> 				
DGN	<i>Ashish</i>	NOM	BOTTOM BRACKET ASSY (LEFT)	
DRN	<i>Ashish</i>	MTL	_____	
CHD	<i>Qian</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	UNLESS SPECIFIED
DIM	INmm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS			
APP	<i>Qian</i>	DRG No:—TD 2 C 48 A G0		SHEET 1 OF 1
DATE	23.04.2015			



ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 48 A H1	BACK REST TUBE	1	
2.	TD 2 C 48 A H2	BACK REST SHEET	1	
3.	TD 2 C 48 A H3	HOLDER ROD (SMALL)	2	
4.	TD 2 C 98 J 07	REAR CROSS MEMBER	1	



SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
<b>ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR</b>				
DGN		NOM	BACK REST TUBE ASSY.	
DRN	<i>Ashish</i>	MTL		
CHD	<i>Raw</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm <small>UNLESS SPECIFIED</small>	
DIM	INmm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS			
APP	<i>Raw</i>			
DATE	24.04.2015	DRGNo:- TD 2 C 48 A HO	SHEET 10F1	

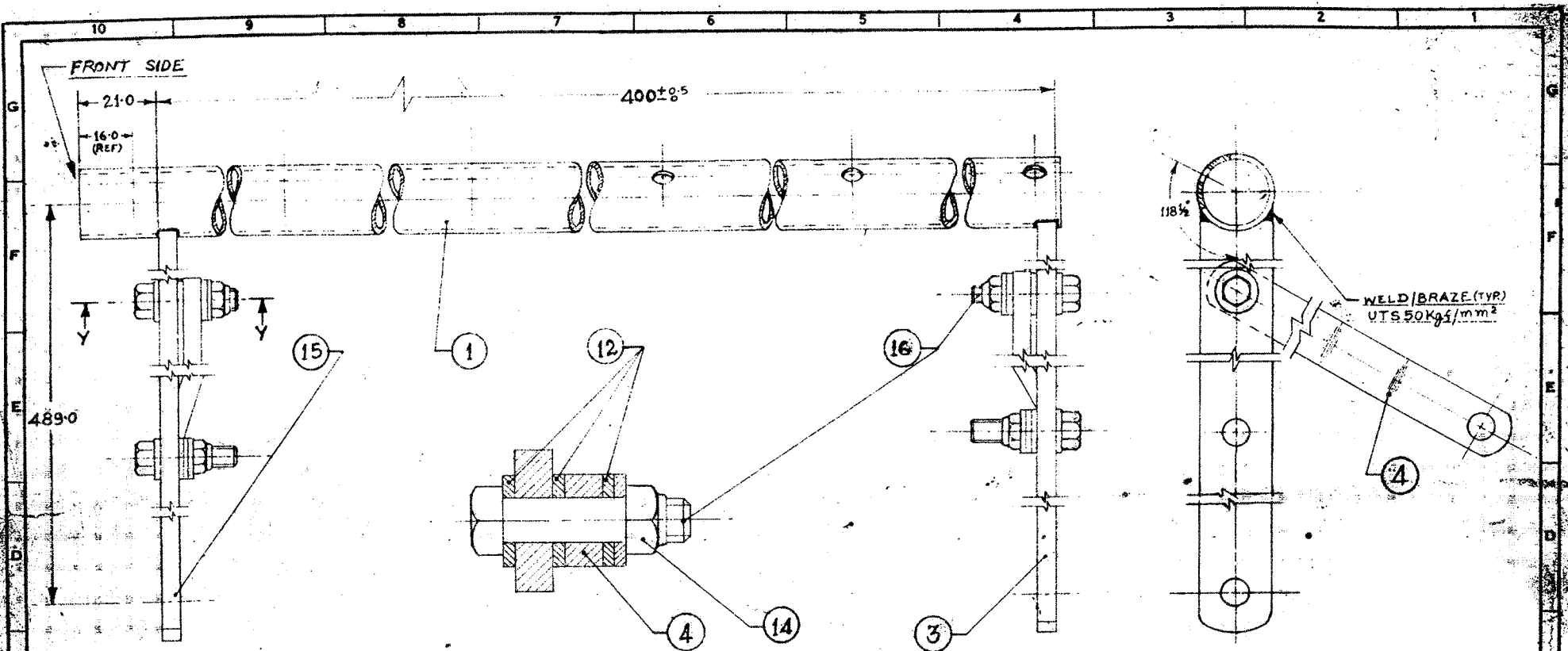


ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 48 A J1	SEAT TUBE	1	
2.	TD 2 A 48 A J2	SEATING SHEET	1	
3.	TD 2 C 98 J 07	REAR CROSS MEMBER	1	
4.	TD 2 N 85 B 02	CLAMP	2	

**NOTE:-**  
1.DRESS ALL WELDED JOINTS.

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
<b>ARTIFICIAL LIMBS</b> <b>MANUFACTURING CORPORATION OF</b> <b>INDIA</b> <b>KANPUR</b>				
DGN	Ashish	NOM	SEAT TUBE ASSY	
DRN		MTL		
CHD		TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm	
DIM	IN/mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP		
DATE	24.04.2015	DRGNo:-	TD 2 C 48 A J0	SHEET 10F1

**TD2C51000**



SECTION-YY  
(SCALE=2:1)

NOTE:-

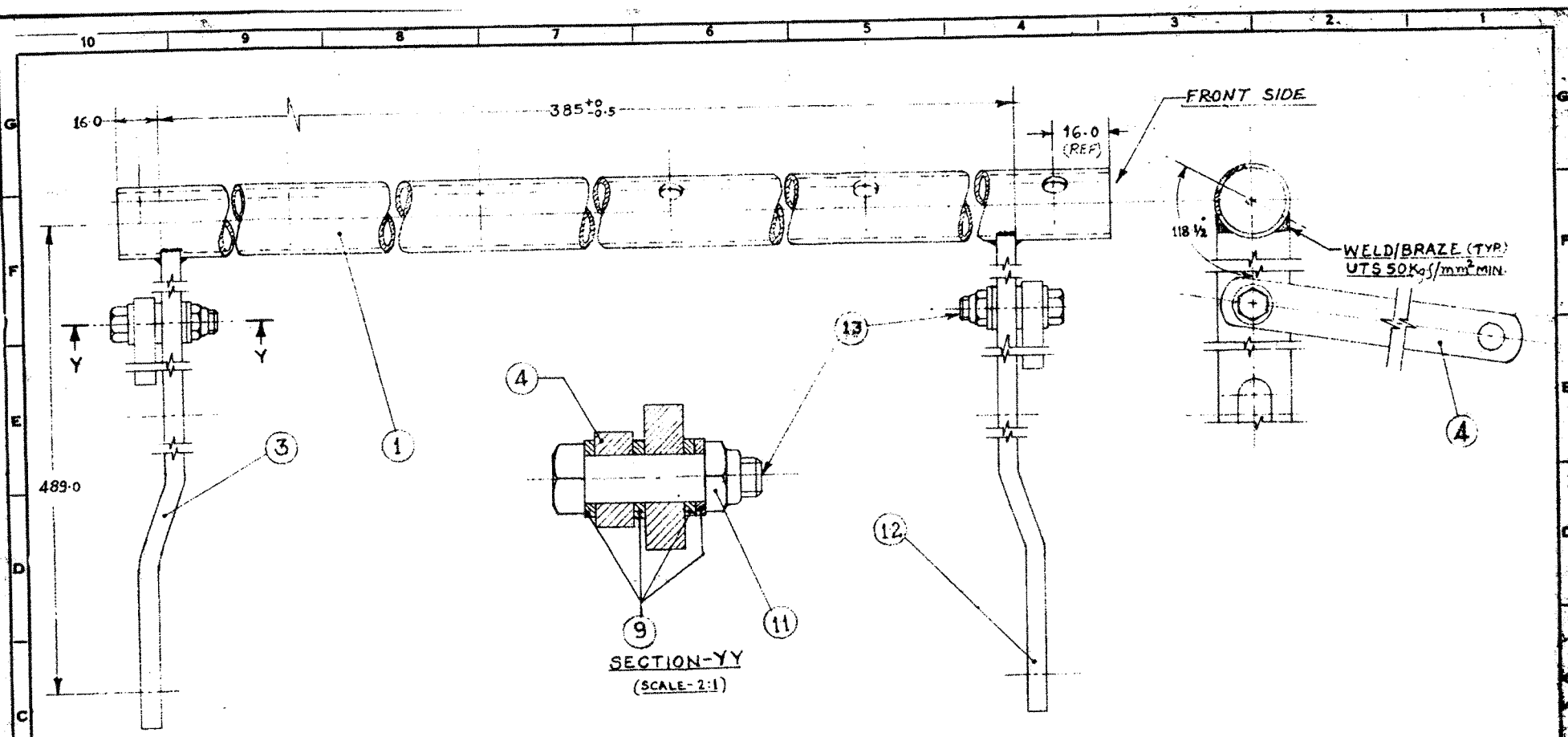
1. REMOVE SHARP EDGES & CORNERS.
2. ITEM NO. 4, 15 (NO. OFF 2, 4), 14 (NO. OFF 4) & 12 (NO. OFF 16) TO BE ASSEMBLED AFTER PLATING/PAINING OF ITEM NO. 1, 3 & 15.
3. ALL WELDS TO BE DRESSED & FINISHED SMOOTH.
4. ITEM NO. 16 (NO. OFF 4), 14 (NO. OFF 4), 12 (NO. OFF 16) DO NOT FORM A PART OF ASSEMBLY TO BE INCORPORATED AT THE TIME OF MAIN ASSEMBLY OF WHEEL CHAIR.

ITEM NO.	DRG. NO.	NOMENCLATURE	NO. OFF	REMARK
16	BB04	HEX BOLT M6 X 25mm.	4	IS:1363
15	TD 2 A 07 D 10	STRIP FOLDING (RIGHT)FRONT	1	
14	BA 82	NYLOCK NUT M6	4	SEE NOTE NO. 2
13	TD 2 A 07 D 09	HEX. BOLT	4	DELETED
12	TD 2 A 07 D 08	WASHER I.D. 6	16	SEE NOTE NO. 2
4	TD 2 A 07 D 04	LINK RIGHT	2	
3	TD 2 A 07 D 03	STRIP FOLDING RIGHT	1	
1	TD 2 A 07 D 01	RAIL SEAT	1	

PRODUCT No.	FINISH
TD 2 A 07 0 00	NL-Gr. PLATED GR. 2, IS: 1068
TD 2 A 08 0 00	
TD 2 C 51 0 00	POWDER COATED COLOUR AS APPROVED

01 | G 2 | 003

15.	FINISH WAS STOVE ENAMEL PAINT	4.6.14	✓
S No.	REGION	REVISION	DATE   SIG.
REVISIONS			
ARTIFICIAL LIMBS			
MANUFACTURING CORPN OF INDIA KANPUR			
DR	<i>[Signature]</i>	NOM	SEAT FRAME ASSY RIGHT
DRR	<i>[Signature]</i>	MTL	
CND	<i>[Signature]</i>		
DATE	23-10-78	PDL	INDICATED
SCALE	1:1	PH	
APP	<i>[Signature]</i>	ORG No.	TD 2 A 07 D 00



SECTION-YY  
(SCALE-2:1)

NOTE :-

- 1 REMOVE SHARP EDGES & CORNERS.
- 2 ITEM NO. 4, 9, 13, 11 TO BE ASSEMBLED AFTER PLATING/PAINING OF ITEM NO. 1, 3 & 12.
- 3 ALL WELDS TO BE DRESSED & FINISHED - SMOOTH.

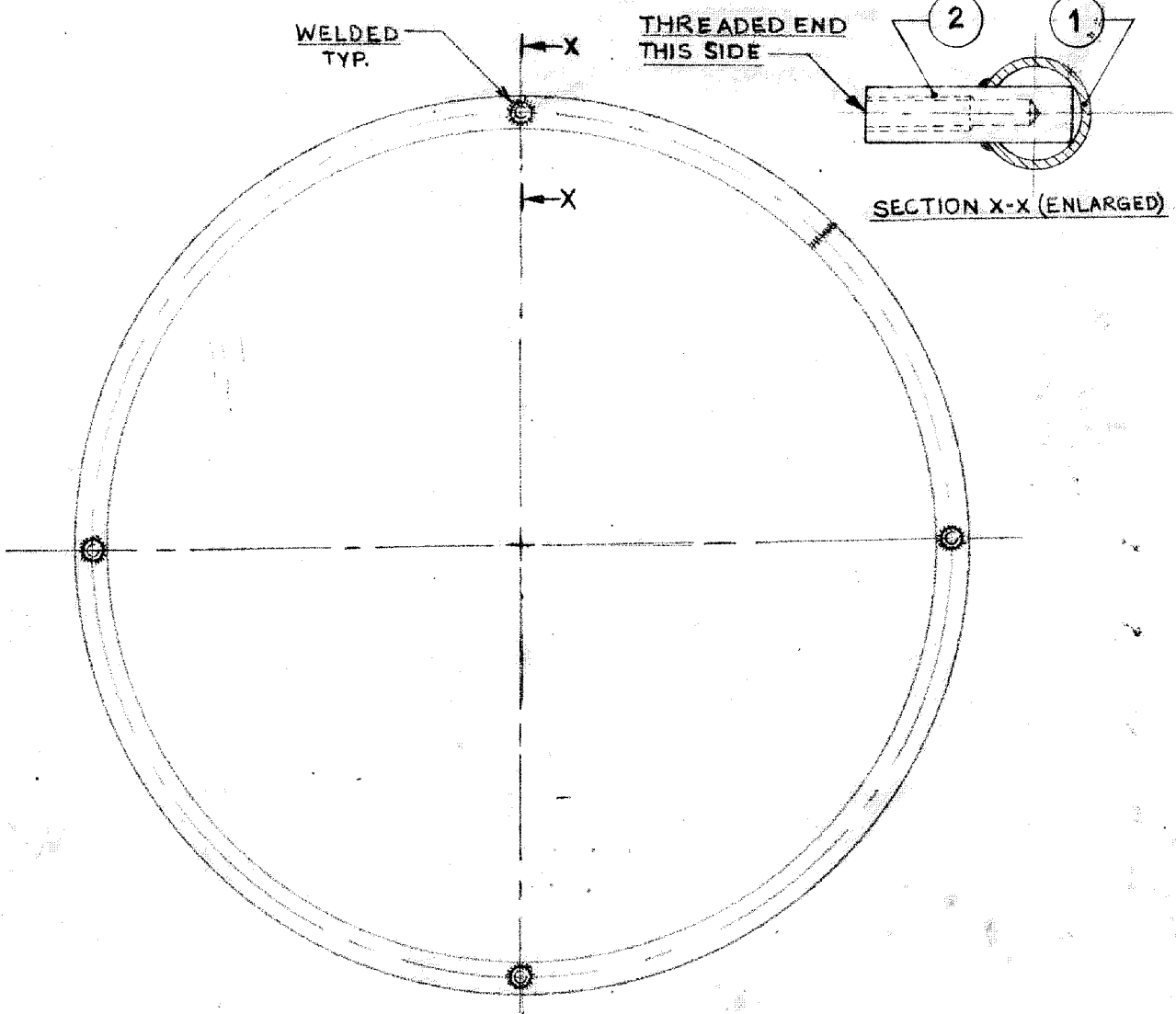
16.	—	FINISH WAS STOVE ENAMEL PAINT	14.6.14	(9)
S No.	REGION	REVISION	DATE	SIG.
R E V I S I O N S				
ARTIFICIAL LIMBS				
MANUFACTURING CORPN				
OF INDIA				
KANPUR				
DRN	<i>Ar. Sharma</i>	NO.	SEAT FRAME ASSY. LEFT	
DRN	<i>R. S. Sharma</i>	NFL		
CHD	<i>S. Singh</i>			
DWG	IN mm	TOL	NITROEN ONLY ± 0.300 mm ONE PLACE DECIMAL ± 0.250 mm UNLESS SPECIFIED TWO PLACE DECIMAL ± 0.125 mm ANS. INT. SURF.	
SCALE	1:1	PH.	INDICATED	
APP	<i>Ar. Sharma</i>	DRG No.	TD 2 A 07 E 00	
DATE	23-10-78			

13	BB 04	HEX BOLT M6x25mm.	2	IS:1363
12	TD 2 A 07 E 03	STRIP FOLDING LEFT (FRONT)	1	
11	B A 02	NYLOCK NUT M6	2	
<del>10</del>	<del>TD 2 A 07 D 09</del>	<del>HEX. BOLT</del>	<del>2</del>	<del>DELETED</del>
9	TD 2 A 07 D 08	WASHER I.D. 6	8	
4	TD 2 A 07 E 02	LINK LEFT	2	
3	TD 2 A 07 E 01	STRIP FOLDING LEFT	1	
1	TD 2 A 07 D 01	RAIL SEAT	1	
ITEM No.	DRG. NO.	NO. OF	REMARK	

PRODUCT No.	FINISH
TD 2 A 07 0 00	Ni-Cr-PLATED Gd. 2, IS:1068
TD 2 A 08 0 00	POWDER COATED COLOUR AS APPROVED
TD 2 C 51 0 00	
01	G 2 004

5 4 3 2 1

IT. NO.	DRG. NO.	NOMENCLATURE	NO. OFF.	REMARK
1.	TD 2 A 07 N 14	HAND RIM	1	
2.	TD 2 A 06 J C 2	NUT	4	



2	A-2	FIN (STOVE ENAMEL PAINT) ADDED	6.7.2000	RF
1	F-2	NOTE IN SECTION X-X ADDED	1.3.82	K
S No.	REGION	REVISION	DATE	SIG.

REVISIONS



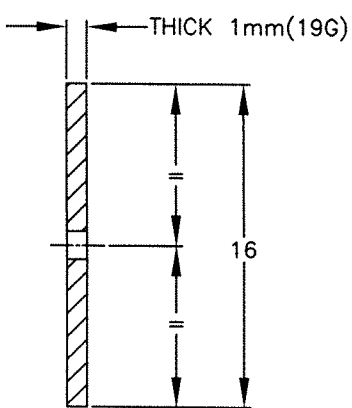
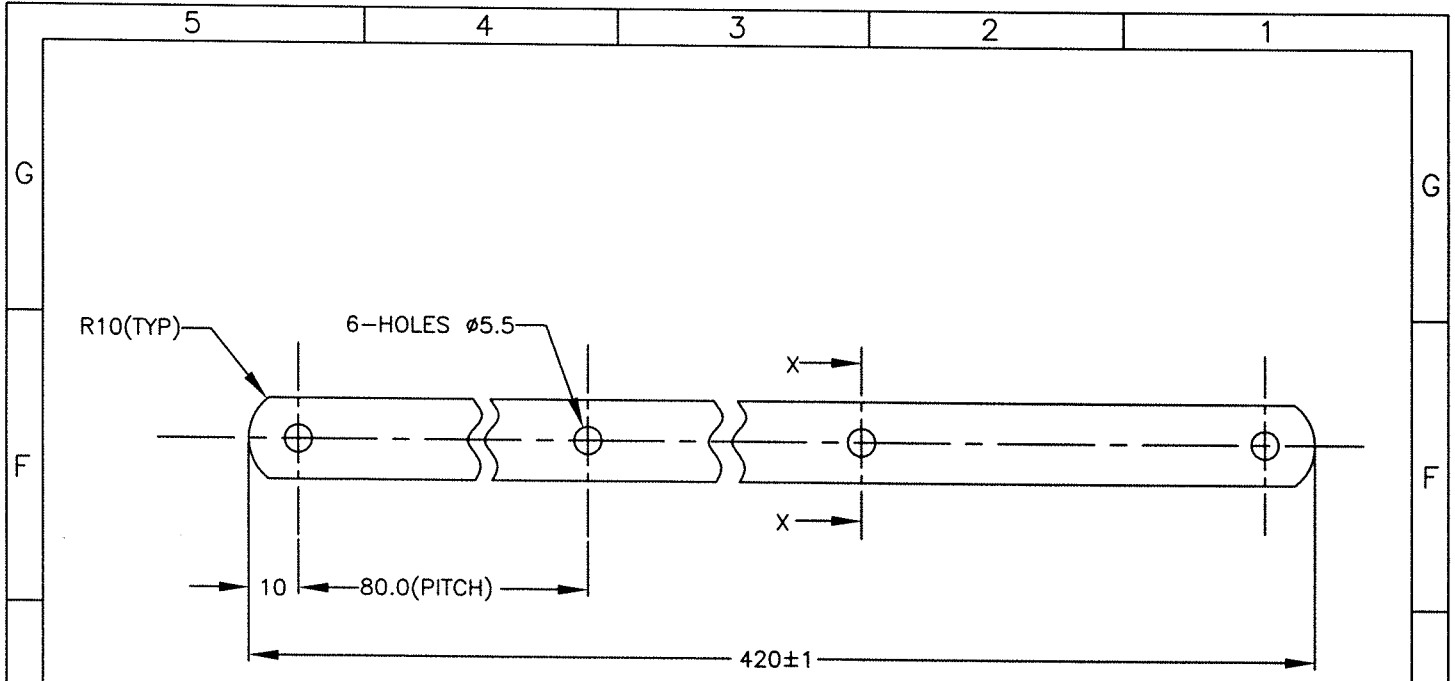
ARTIFICIAL LIMBS  
MANUFACTURING CORPN  
OF INDIA  
KANPUR



DGN.	<i>Amathur</i>	NOM	HAND RIM ASSY.
DRN	<i>S. Krishna</i>	MTL	
CHD	<i>R. Devraj</i>	TOL	INTEGER ONLY $\pm 0.500$ mm ONE PLACE DECIMAL $\pm 0.250$ mm TWO PLACE DECIMAL $\pm 0.125$ mm UNLESS SPECIFIED
DIM.	IN mm	FIN	Ni-Cr. PLATED Gd. 2, IS: 1068 OR STOVE ENAMEL PAINT COLOUR-BLACK
SCALE	1:4	APP	<i>R. Devraj</i>
DATE	11.1.82	DRG No.	TD 2 A 07 N DO 1 OF 1



01 K 8 081

5 4

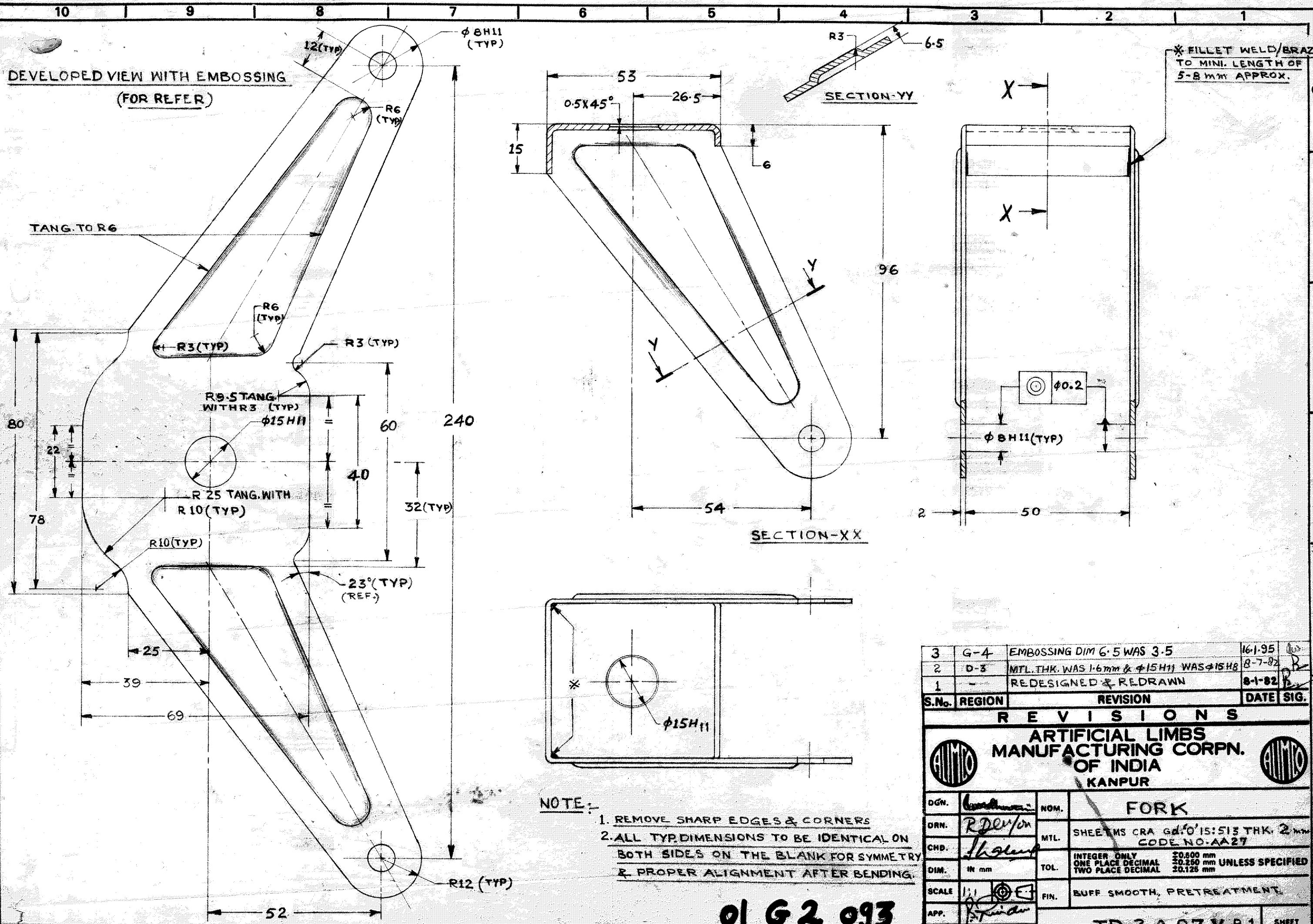


ENLARGED SECTION--XX

NOTE:--  
1. REMOVE SHARP EDGES & CORNERS.

6.	---	DRAWING REDRAWN	26.05.15	<i>[Signature]</i>
SNo.	REGION	REVISION	DATE	SIGN
R E V I S I O N S				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN		NOM	STRIP REINFORCING	
DRN	<i>Ashish</i>	MTL	SHEET MS HRA Gd'0' IS:1079 THK.1mm (AA02) OR SHEET MS CRA Gd'0' IS:513 THK.1mm (AA22)	
CHD	<i>[Signature]</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	UNLESS SPECIFIED
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP	<i>Sa/DD1</i>	
01	K	5	196	DRG No:-- TD 2 A 07 P 01
5		4		SHEET 10F1
		DATE	23.10.1978	





**NOTE:**

1. REMOVE SHARP EDGES & CORNERS
2. ALL TYP. DIMENSIONS TO BE IDENTICAL ON BOTH SIDES ON THE BLANK FOR SYMMETRY & PROPER ALIGNMENT AFTER BENDING.

**01 G 2 093**

S.No.	REGION	REVISION	DATE	SIG.
3	G-4	EMBOSsing DIM 6.5 WAS 3.5	16-1-95	<i>[Signature]</i>
2	D-3	MTL. THK. WAS 1.6mm & φ15H11 WAS φ15H8	8-7-82	<i>[Signature]</i>
1	-	REDESIGNED & REDRAWN	8-1-82	<i>[Signature]</i>

**REVISIONS**

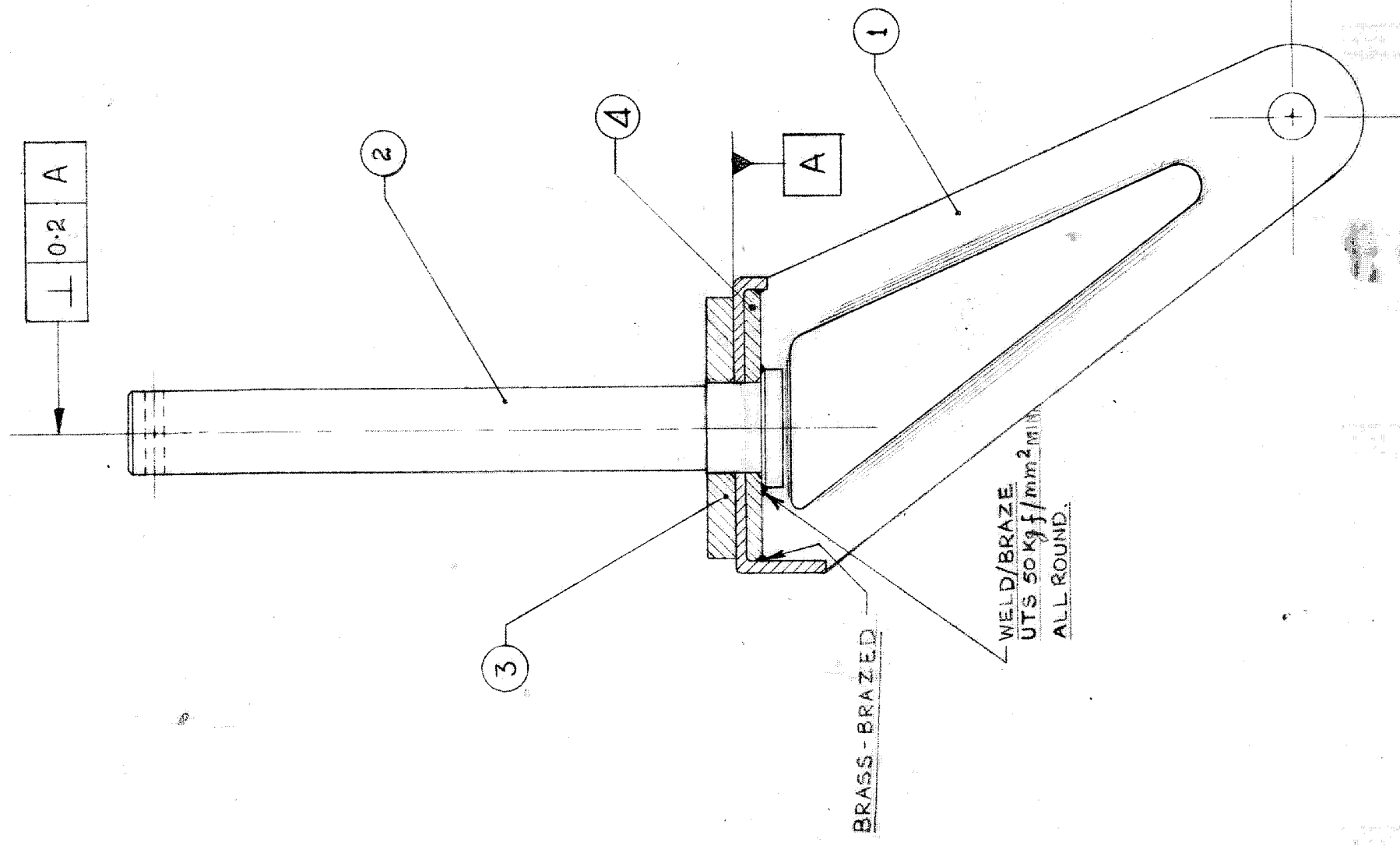
**ARTIFICIAL LIMBS MANUFACTURING CORPN. OF INDIA KANPUR**

DGN.	<i>[Signature]</i>	NOM.	<b>FORK</b>
DRN.	<i>[Signature]</i>	MTL.	SHEET MS CRA Gd. 10'15:513 THK. 2mm CODE NO. AA27
CHD.	<i>[Signature]</i>	TOL.	INTEGER ONLY 20.500 mm ONE PLACE DECIMAL 20.250 mm TWO PLACE DECIMAL 20.125 mm UNLESS SPECIFIED
DIM.	IN mm	FIN.	BUFF SMOOTH, PRETREATMENT
SCALE	1:1		
APP.	<i>[Signature]</i>		
DATE	11-4-81	ORG. NO.	TD 2A07VB1

SHEET 1 OF 1



IT. NO.	DRG. NO.	NOMENCLATURE	NO. OFF.	REMARK
1	TD 2 A 07 V B1	FORK	1	
2	TD 2 A 07 V B2	STEM	1	
3	TD 2 A 07 V B3	PLATE BEARING LOWER	1	
4	TD 2 A 07 V B4	PLATE STIFFENER	1	



NOTE:—  
 1. POSITION ASSY. OF IT. NO. 2 & 4 IN IT. NO. 1 AS SHOWN AND BRAZE ALL ROUND.  
 2. PRESSFIT ITEM NO. 3  
 3. PAINT INNER AND OUTER SURFACE OF IT. NO. 1 MASKING ITEM NO. 2 & 3.

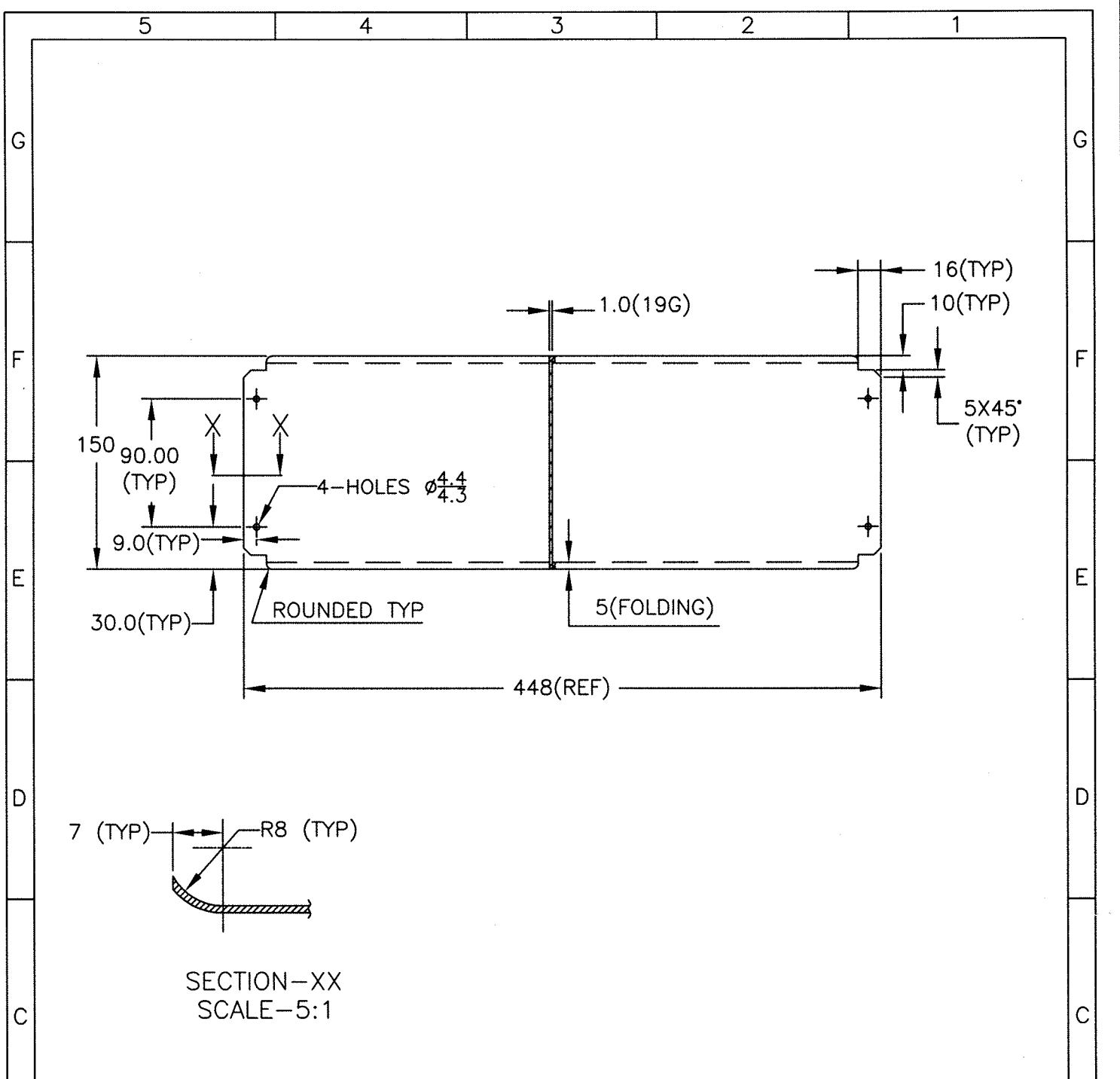
S.No.	REGION	REVISION	DATE	SIG.
3	A-2	FINISH MODIFIED.	6.7.2000	R.P.
2	G-8	UNDERCUT DELETED & HOLE ADD. AT IT. NO. 2	9.8.82	
1	D-8, D-7	ITEM NO. 4 ADD. & NOTE NO. 1 MODIFIED	9.7.82	

		<b>ARTIFICIAL LIMBS MANUFACTURING CORPN.</b> <b>OF INDIA</b> KANPUR			
DGM. <i>Munish</i> NOM.	DPN. <i>Khushu</i> MTL.	CHD. <i>Mohd</i> TOL.	DIM. IN mm	SCALE 1:1	APP. <i>Peter</i> FIN.
FORK STEM ASSY.			INTEGER ONLY 30.000 mm ONE PLACE DECIMAL 30.350 mm TWO PLACE DECIMAL 30.125 mm	UNLESS SPECIFIED STOVE ENAMEL SILVER PAINT HAMMER TONE COLOUR GREY OR AS APPLD.	
DRG. NO. TD 2 A 07 V B0					

0162071



DRG. NO. TD 2 A 07 V B0  
 SHEET 1 OF 1



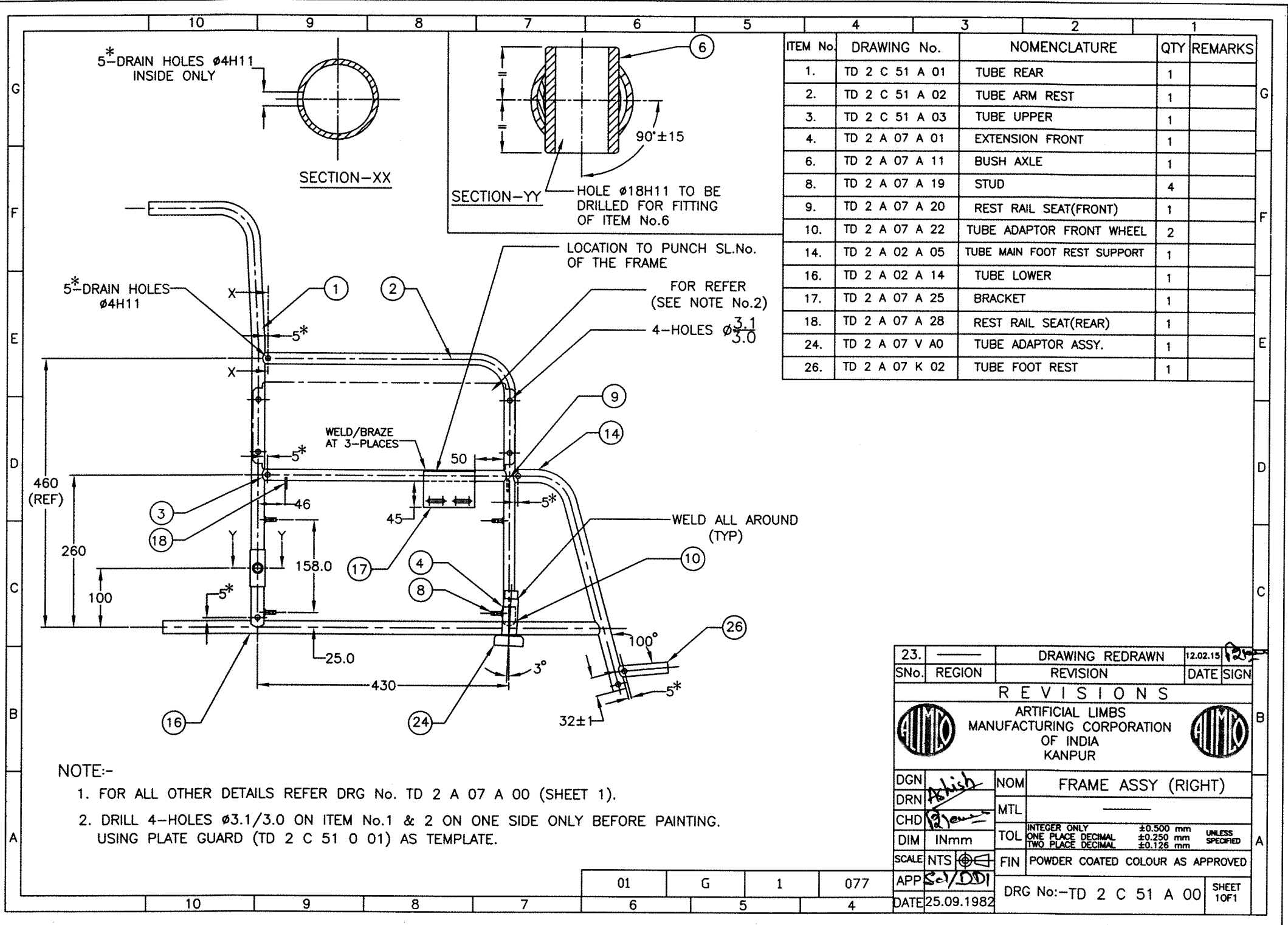
SECTION-XX  
SCALE-5:1

NOTE:-

1.REMOVE SHARP EDGES & CORNERS.

4.	—	DRAWING REDRAWN	03.12.14	<i>Beau</i>
SNo.	REGION	REVISION	DATE	SIGN
R E V I S I O N S				
		ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR		
				
DGN		NOM	PLATE GUARD	
DRN	<i>Achish</i>	MTL	STEEL MS CRA Gd '0' IS:513, THICK 1mm (AA 22)	
CHD	<i>Beau</i>	TOL	<small>INTEGER ONLY ±0.500 mm</small> <small>ONE PLACE DECIMAL ±0.250 mm</small> <small>TWO PLACE DECIMAL ±0.126 mm</small>	
DIM	<i>IN mm</i>	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS			
APP	<i>st/DDi</i>			
DATE	30.09.1982		DRG No:-TD 2 C 51 0 01	SHEET 10F1

01	K	5	163
5		4	



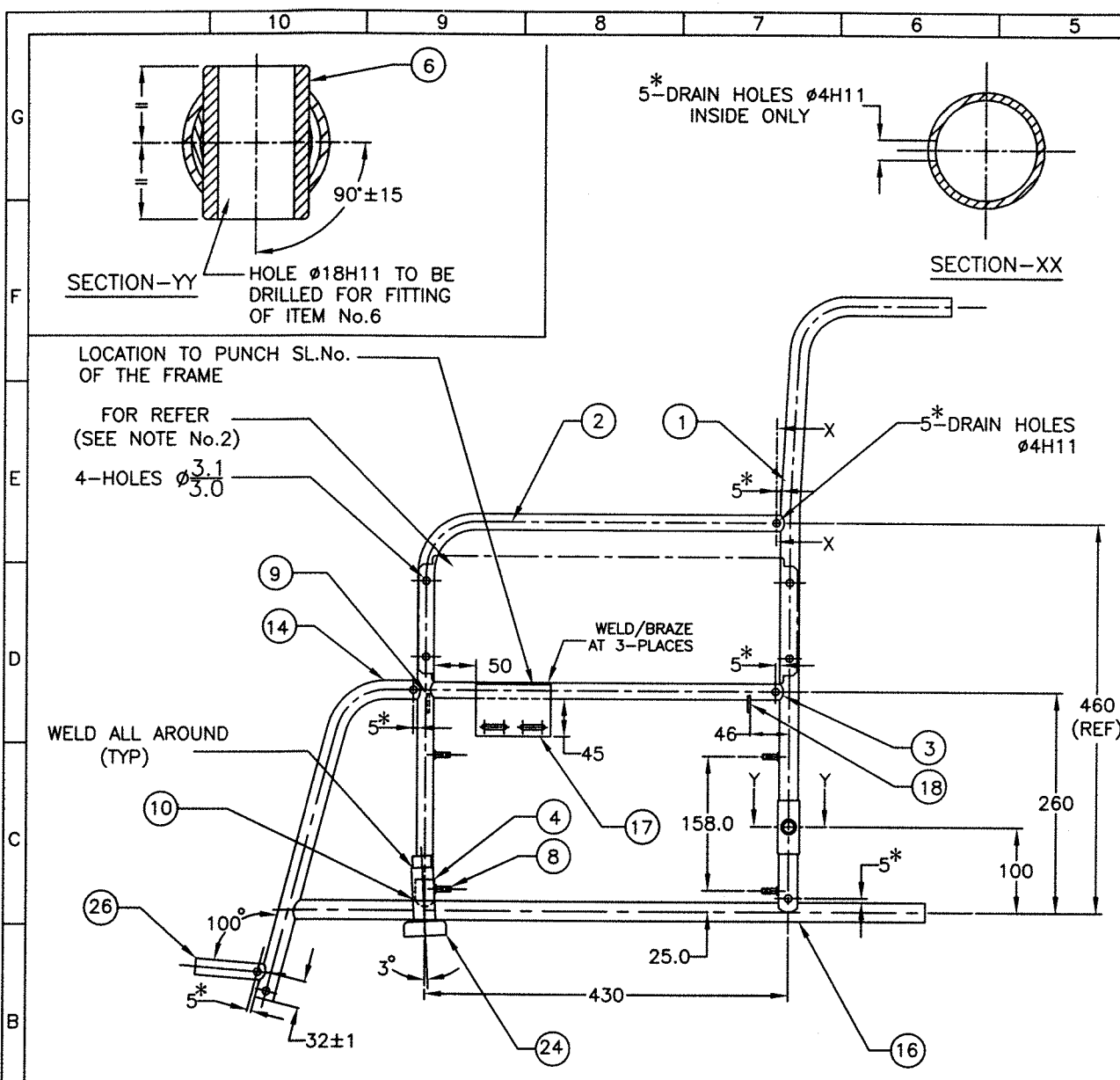
ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 51 A 01	TUBE REAR	1	
2.	TD 2 C 51 A 02	TUBE ARM REST	1	
3.	TD 2 C 51 A 03	TUBE UPPER	1	
4.	TD 2 A 07 A 01	EXTENSION FRONT	1	
6.	TD 2 A 07 A 11	BUSH AXLE	1	
8.	TD 2 A 07 A 19	STUD	4	
9.	TD 2 A 07 A 20	REST RAIL SEAT(FRONT)	1	
10.	TD 2 A 07 A 22	TUBE ADAPTOR FRONT WHEEL	2	
14.	TD 2 A 02 A 05	TUBE MAIN FOOT REST SUPPORT	1	
16.	TD 2 A 02 A 14	TUBE LOWER	1	
17.	TD 2 A 07 A 25	BRACKET	1	
18.	TD 2 A 07 A 28	REST RAIL SEAT(REAR)	1	
24.	TD 2 A 07 V A 0	TUBE ADAPTOR ASSY.	1	
26.	TD 2 A 07 K 02	TUBE FOOT REST	1	

23.	—	DRAWING REDRAWN	12.02.15	<i>[Signature]</i>
SNo.	REGION	REVISION	DATE	SIGN
REVISIONS				
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR				
DGN	<i>[Signature]</i>	NOM	FRAME ASSY (RIGHT)	
DRN	<i>[Signature]</i>	MTL		
CHD	<i>[Signature]</i>	TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm	
DIM	IN/mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP	<i>[Signature]</i>	
DATE	25.09.1982	DRG No.:	TD 2 C 51 A 00	SHEET 10F1

NOTE:-

- FOR ALL OTHER DETAILS REFER DRG No. TD 2 A 07 A 00 (SHEET 1).
- DRILL 4-HOLES Ø3.1/3.0 ON ITEM No.1 & 2 ON ONE SIDE ONLY BEFORE PAINTING. USING PLATE GUARD (TD 2 C 51 0 01) AS TEMPLATE.

01	G	1	077	DATE	25.09.1982	DRG No.:	TD 2 C 51 A 00	SHEET	10F1
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ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 51 A 01	TUBE REAR	1	
2.	TD 2 C 51 A 02	TUBE ARM REST	1	
3.	TD 2 C 51 A 03	TUBE UPPER	1	
4.	TD 2 A 07 A 01	EXTENSION FRONT	1	
6.	TD 2 A 07 A 11	BUSH AXLE	1	
8.	TD 2 A 07 A 19	STUD	4	
9.	TD 2 A 07 A 20	REST RAIL SEAT(FRONT)	1	
10.	TD 2 A 07 A 22	TUBE ADAPTOR FRONT WHEEL	2	
14.	TD 2 A 02 A 05	TUBE MAIN FOOT REST SUPPORT	1	
16.	TD 2 A 02 A 14	TUBE LOWER	1	
17.	TD 2 A 07 A 25	BRACKET	1	
18.	TD 2 A 07 A 28	REST RAIL SEAT(REAR)	1	
24.	TD 2 A 07 V A 0	TUBE ADAPTOR ASSY.	1	
26.	TD 2 A 07 K 02	TUBE FOOT REST	1	

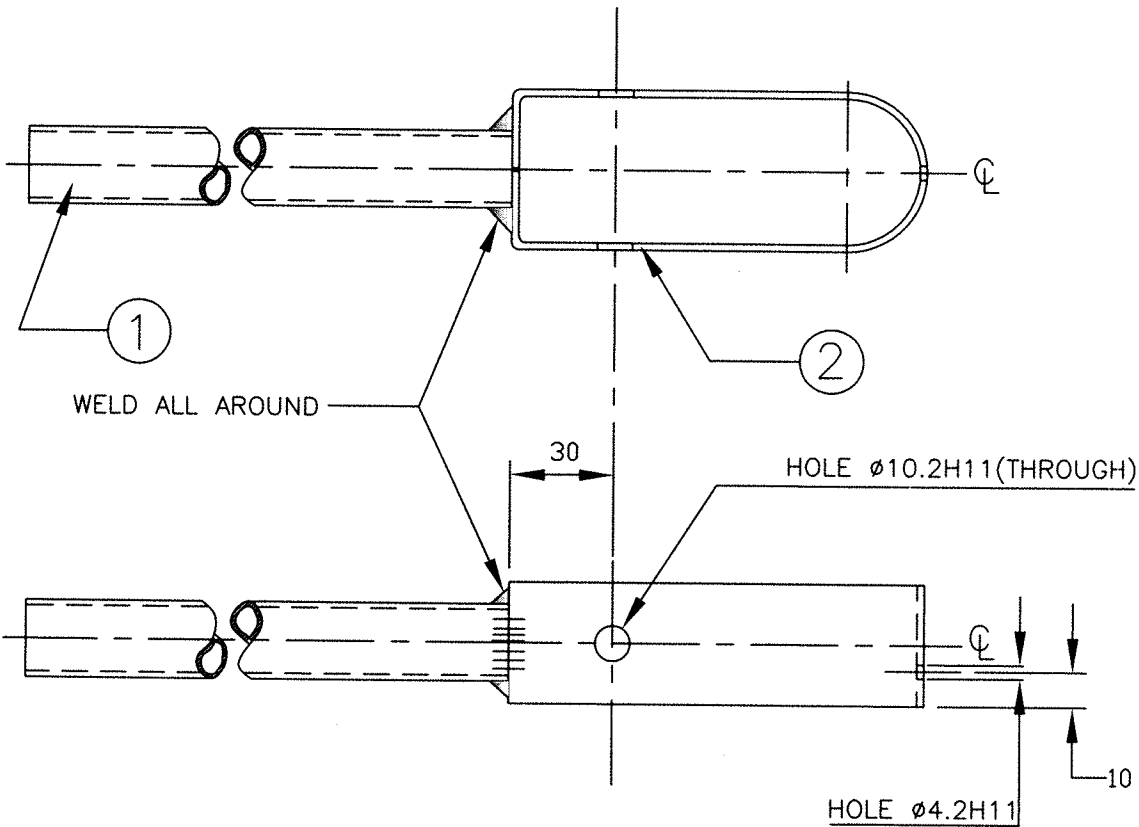
NOTE:-  
 1. FOR ALL OTHER DETAILS REFER DRG No. TD 2 A 07 A 00 (SHEET 1).  
 2. DRILL 4-HOLES  $\phi 3.1/3.0$  ON ITEM No.1 & 2 ON ONE SIDE ONLY BEFORE PAINTING USING PLATE GUARD (TD 2 C 51 0 01) AS TEMPLATE.

23.	---	DRAWING REDRAWN	12.02.15	12
SNo.	REGION	REVISION	DATE	SIGN
REVISIONS				
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR				
DGN	<i>Ashish</i>	NOM	FRAME ASSY.(LEFT)	
DRN	<i>Shaw</i>	MTL		
CHD		TOL	<small>INTEGER ONLY ±0.500 mm</small> <small>ONE PLACE DECIMAL ±0.250 mm</small> <small>TWO PLACE DECIMAL ±0.125 mm</small> <small>UNLESS SPECIFIED</small>	
DIM	IN/mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP	DRG No:-TD 2 C 51 B 00	
DATE	25.09.1982		SHEET 10F1	

01	G	1	077
6	5	4	

**TD2C98000**

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 98 A A1	HANDLE TUBE	1	
2.	TD 2 C 98 A A2	'U' CLAMP	1	



NOTE:--

1. DRESS WELDED JOINTS

2	—	DRAWING REDRAWN	18 <sup>3</sup> <sub>13</sub>	<i>RV</i>
SNo.	REGION	REVISION	DATE	SIGN

REVISIONS



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



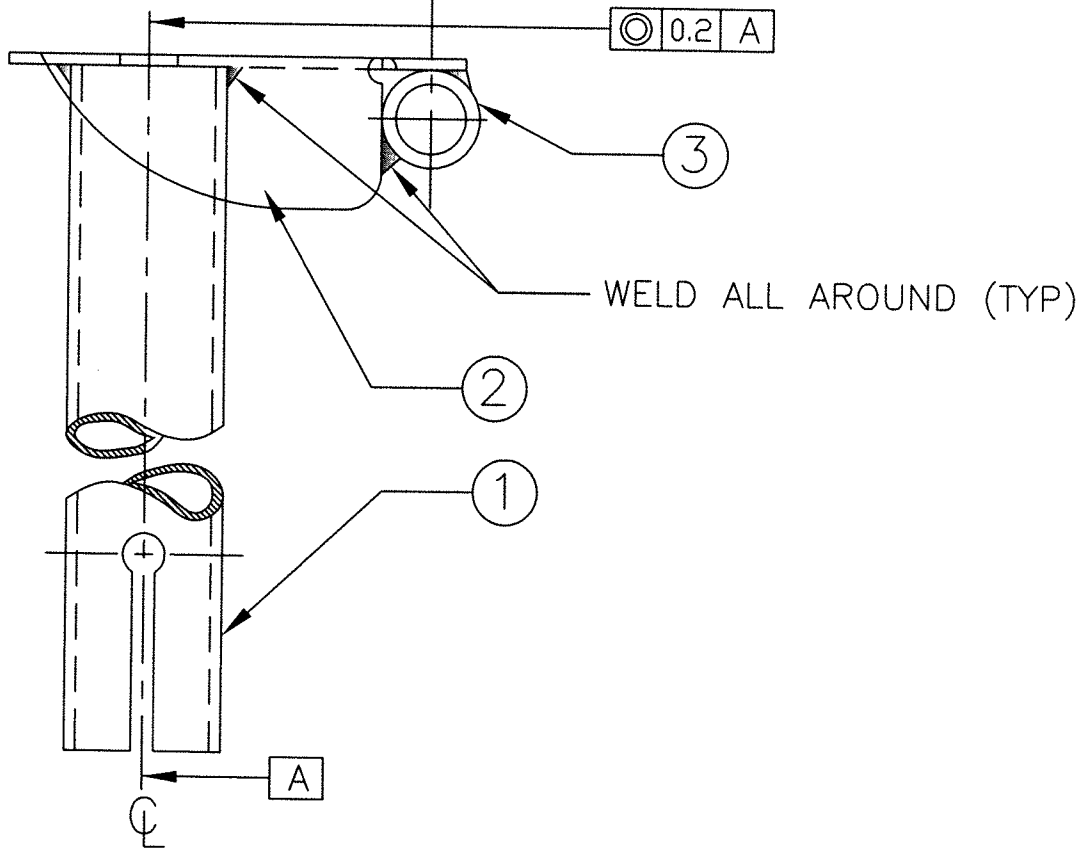
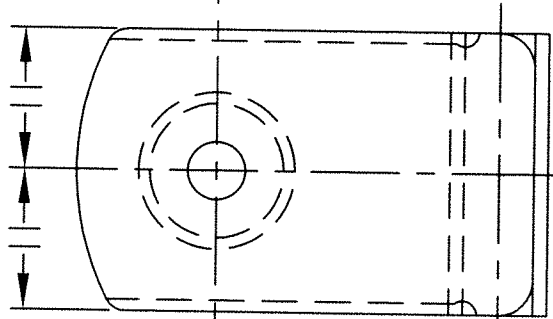
DGN	<i>21av</i>	NOM	HANDLE ASSEMBLY	
DRN	<i>Phad</i>	MTL	—	
CHD	<i>21av</i>	TOL	INTEGER ONLY ±0.500 mm	UNLESS SPECIFIED
DIM	IN mm		ONE PLACE DECIMAL ±0.250 mm	
			TWO PLACE DECIMAL ±0.126 mm	
SCALE	NTS	FIN	POWDER COATED COLOUR AS APPROVED	
APP	<i>RV</i>	DRG No:--	TD 2 C 98 A A0	SHEET 10F1
DATE	26.12.1991			

01 K 8 221

5

4

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 98 A B1	CENTRE TUBE	1	
2.	TD 2 C 98 A B2	BRACKET	1	
3.	TD 2 C 98 A B3	BUSH	1	



FIN:—

ZINC PLATED THK 6 TO 8 MICRONS  
OR  
POWDER COATED COLOUR AS APPD

NOTE:—

1. DRESS WELDED JOINTS

4	—	DRAWING REDRAWN	18 <sup>3</sup>	<i>[Signature]</i>
SNo.	REGION	REVISION	DATE	SIGN

REVISIONS



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR

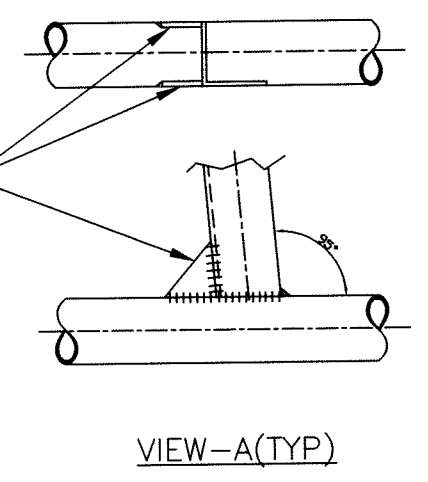
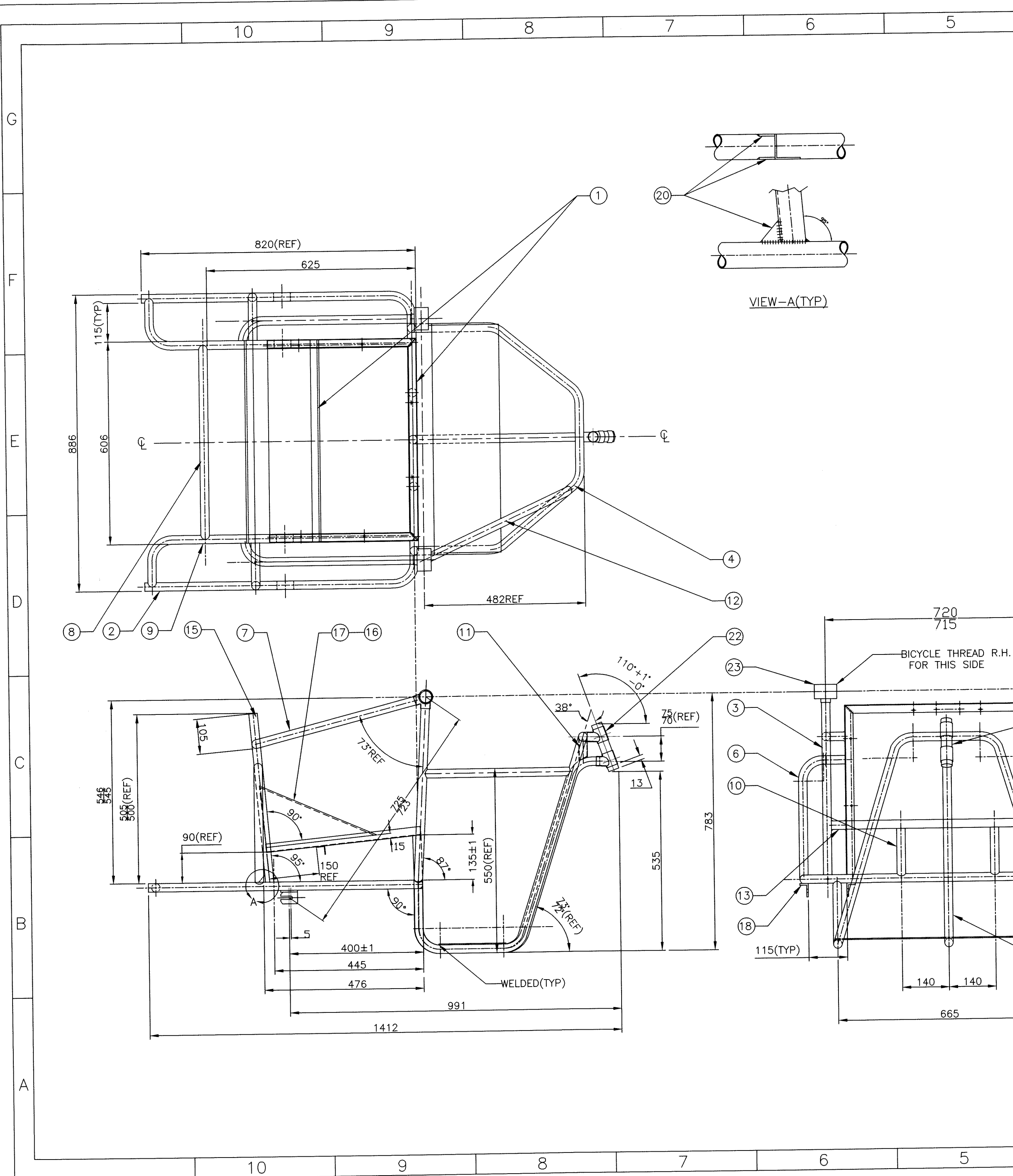


DGN	<i>[Signature]</i>	NOM	CENTRE TUBE ASSEMBLY	
DRN	<i>[Signature]</i>	MTL	—	
CHD	<i>[Signature]</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	UNLESS SPECIFIED
DIM	IN mm	FIN	INDICATED	
SCALE	NTS	APP	<i>[Signature]</i>	
DATE	26.12.1991	DRG No:—	TD 2 C 98 A B0	SHEET 10F1

01 K 8 224

5

4

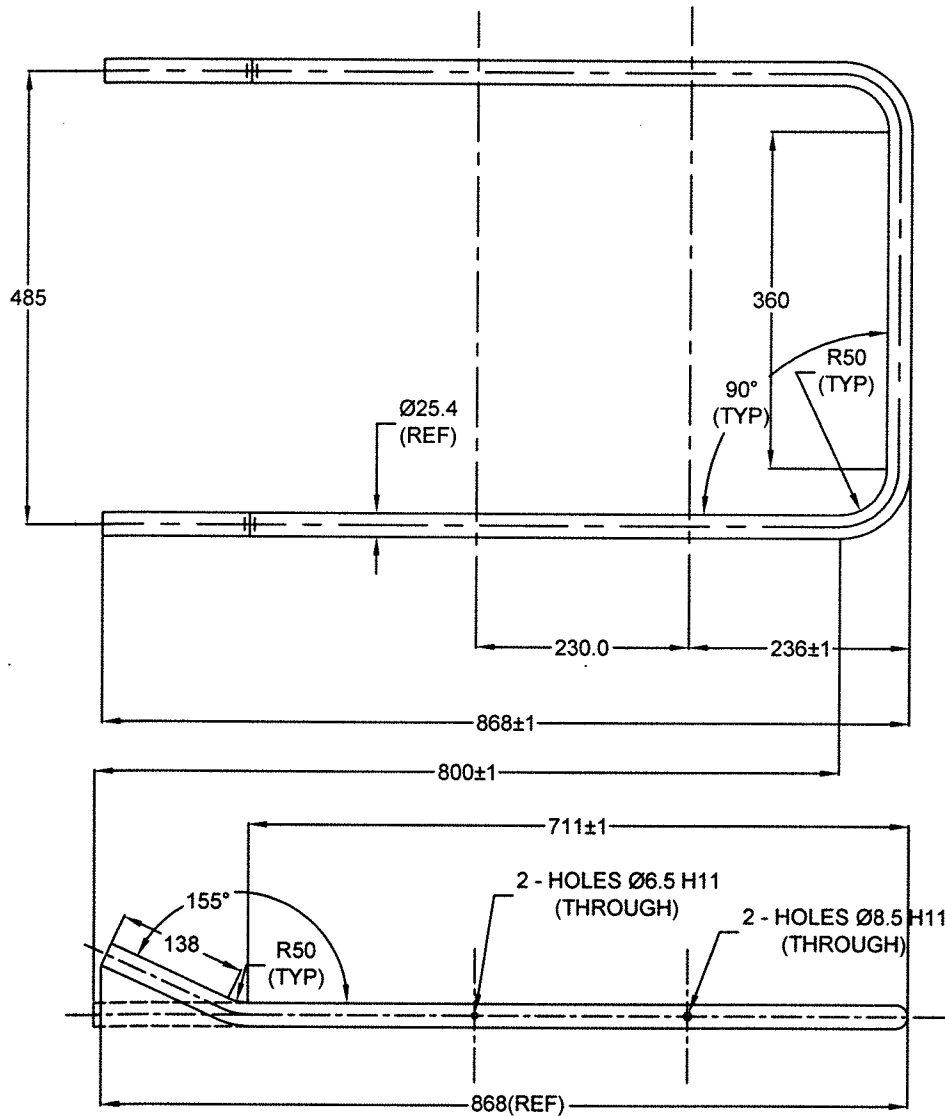


ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 98 J B0	SEAT BASE SUPPORT ASSY	1	
2.	TD 2 C 98 J 01	REAR LOOP	1	
3.	TD 2 C 98 J 02	VERTICAL SUPPORT	2	
4.	TD 2 C 98 J 03	FOOTREST TUBE	1	
5.	TD 2 C 98 J 04	CENTRAL SUPPORT TUBE	1	
6.	TD 2 C 98 J 05	LOOP SUPPORT TUBE	2	
7.	TD 2 C 98 J 06	SIDE SUPPORT TUBE	2	
8.	TD 2 C 98 J 07	REAR CROSS MEMBER	1	
9.	TD 2 C 98 J 08	REAR LOOP MEMBER	2	
10.	TD 2 C 98 J 09	SEAT STIFFENER	2	
11.	TD 2 C 98 J 10	VERTICAL STIFFENER	1	
12.	TD 2 C 98 J 12	SIDE FRAME SUPPORT TUBE	1	
13.	TD 2 C 98 J 13	STIFFENER	2	
14.	TD 2 C 98 J 19	FOOTREST	1	
15.	TD 2 C 98 A 02	BACKREST SUPPORT	1	
16.	TD 2 C 98 A 09	SIDE GUARD RIGHT	1	
17.	TD 2 C 98 A 10	SIDE GUARD LEFT	1	
18.	TD 2 C 98 A 13	BRACKET RIGHT	2	
19.	TD 2 C 98 A 14	BRACKET LEFT	2	
20.	TD 2 C 98 A 21	BACKREST STIFFENER	4	
21.	LB 86	BICYCLE HEAD TUBE (FACE PIPE)	1	
22.	LB 89	BICYCLE TOP LUG	2	
23.	LB 99	BICYCLE BOTTOM BRACKET	2	

1.		DRG REDESIGN & REDRAWN	20 <sup>00</sup> / <sub>13</sub>	
SNo.	REGION	REVISION	DATE	SIGN
REVISIONS				
		ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR		
DGN		NOM	FRAME ASSEMBLY	
DRN		MTL		
CHD		TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED	
DIM	IN mm	TOL	ONE PLACE DECIMAL ±0.250 mm	
SCALE	NTS	FIN	TWO PLACE DECIMAL ±0.126 mm	
APP		FIN	POWDER COATED COLOUR AS APPROVED	
DATE	20.08.2013	DRG No.:-TD 2 C 98 J A0	SHEET 10F1	





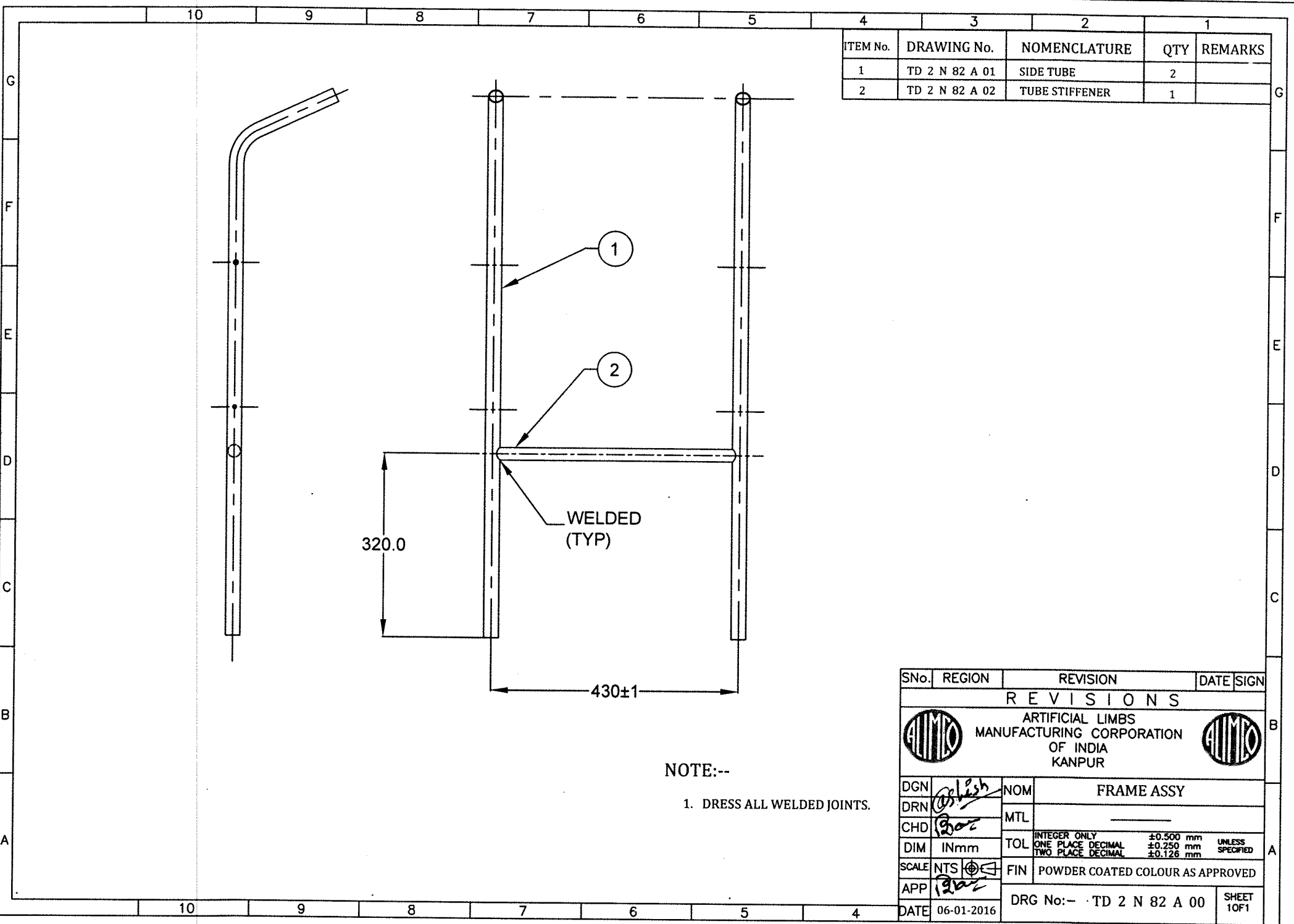
**TD2N82000**



NOTE:--



1. REMOVE SHARP EDGES & CORNERS.

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN	<i>akash</i>	NOM	FRAME TUBE	
DRN	<i>akash</i>	MTL	STEEL TUBE ERW C-1 OD 25.4mm, THICKNESS 1.25mm, IS:2039 (AF 60)	
CHD	<i>akash</i>	TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.125 mm	
DIM	IN/mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS			
APP	<i>akash</i>			
DATE	06-01-2016	DRG No:--	TD 2 N 82 0 01	SHEET 10F1

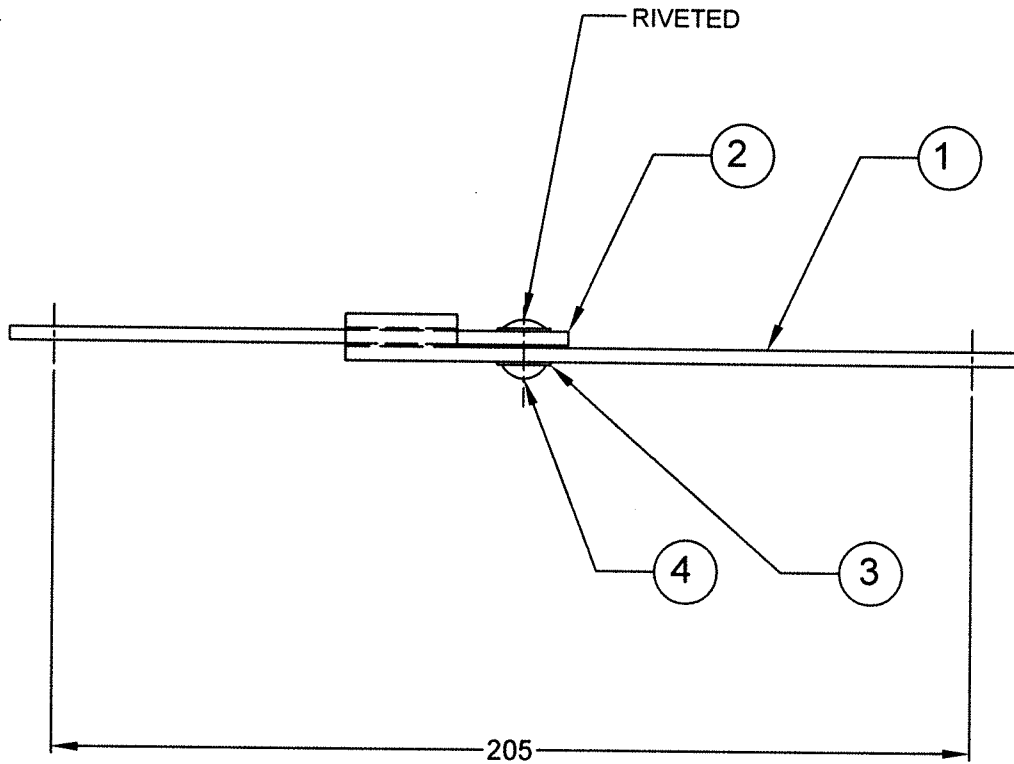


ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1	TD 2 N 82 A 01	SIDE TUBE	2	
2	TD 2 N 82 A 02	TUBE STIFFENER	1	

NOTE:--  
1. DRESS ALL WELDED JOINTS.

SNo.	REGION	REVISION	DATE	SIGN
<b>REVISIONS</b>				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN	<i>Shish</i>	NOM	FRAME ASSY	
DRN	<i>Shish</i>	MTL		
CHD	<i>Shish</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm <small>UNLESS SPECIFIED</small>	
DIM	IN/mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NTS	APP		
DATE	06-01-2016	DRG No:--	TD 2 N 82 A 00	SHEET 10F1

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 N 82 B 01	HINGE PLATE (RIGHT)	1	
2.	TD 2 N 82 B 02	LINK PLATE	1	
3.	BS 44	PUNCHED WASHER A6.6, IS:2016, MS	1	
4.	BU 58	FLAT HEAD RIVET 5X12mm, IS:2155, MS	1	



NOTE:--

1.REMOVE SHARP EDGES & CORNERS.

SN.No.	REGION	REVISION	DATE	SIGN
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REVISIONS

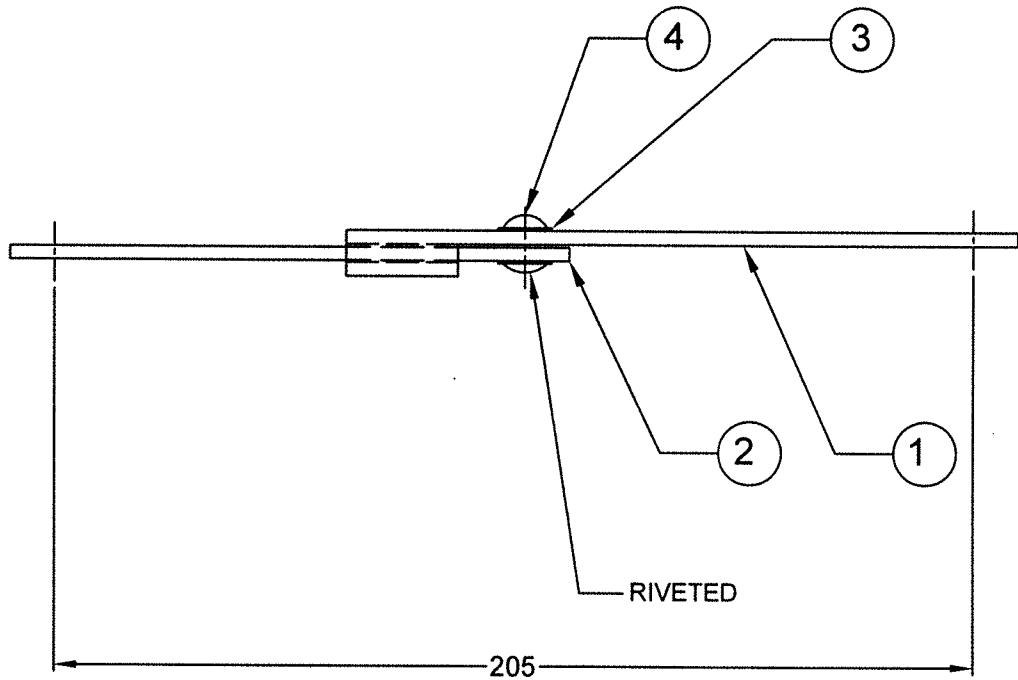


ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



DGN	<i>Ashish</i>	NOM	HINGE ASSY (RIGHT)	
DRN		MTL	_____	
CHD	<i>Ram</i>	TOL	INTEGER ONLY ±0.500 mm	UNLESS SPECIFIED
DIM	IN mm		ONE PLACE DECIMAL ±0.250 mm	
			TWO PLACE DECIMAL ±0.126 mm	
SCALE	NTS	FIN	POWDER COATED COLOUR AS APPROVED	
APP	<i>Ram</i>	DRG No:--	TD 2 N 82 B 00	SHEET 10F1
DATE	06-01-2016			

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 N 82 C 01	HINGE PLATE (LEFT)	1	
2.	TD 2 N 82 B 02	LINK PLATE	1	
3.	BS 44	PUNCHED WASHER A6.6,IS:2016, MS	1	
4.	BU 58	FLAT HEAD RIVET 5X12mm, IS:2155, MS	1	



NOTE:--

1.REMOVE SHARP EDGES & CORNERS.

SNNo.	REGION	REVISION	DATE	SIGN
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REVISIONS



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



DGN	<i>ashish</i>	NOM	HINGE ASSY (LEFT)	
DRN	<i>Ran</i>	MTL	_____	
CHD	<i>Ran</i>	TOL	INTEGER ONLY	±0.500 mm
DIM	IN mm		ONE PLACE DECIMAL	±0.250 mm
			TWO PLACE DECIMAL	±0.126 mm
SCALE	NTS	FIN	POWDER COATED COLOUR AS APPROVED	
APP	<i>Ran</i>	DRG No:--	TD 2 N 82 C 00	SHEET 10F1
DATE	06-01-2016			

**TD2N85000**

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C

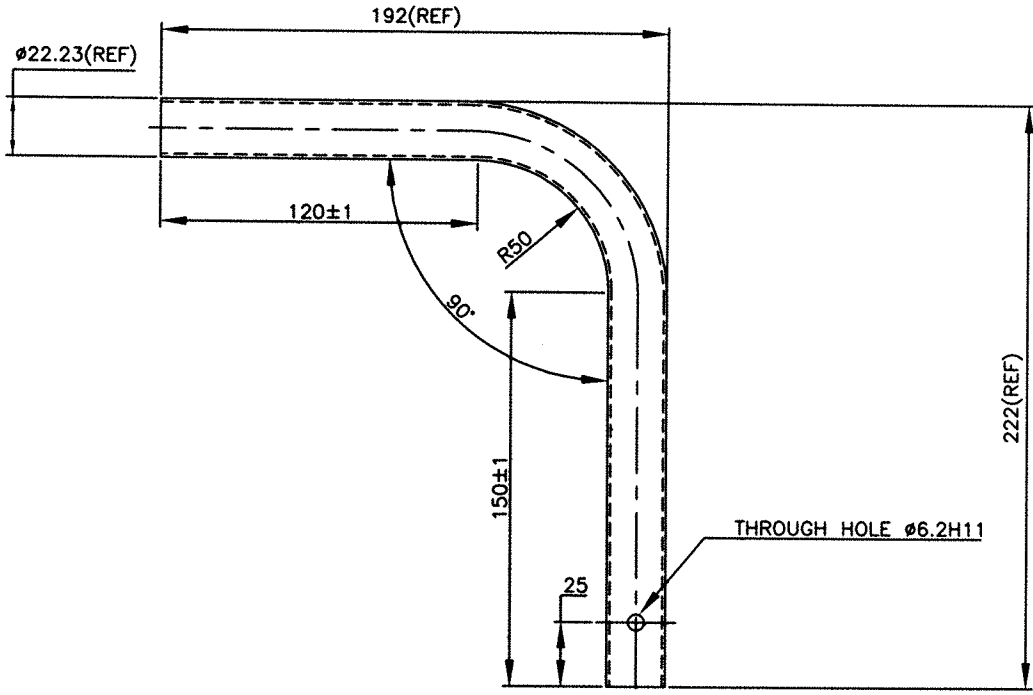
C

B

B

A

A



**NOTE:-**  
1.REMOVE SHARP EDGES & CORNERS.

1.	—	DRG REDESIGN & REDRAWN	27.7.2004
SNo.	REGION	REVISION	DATE SIGN

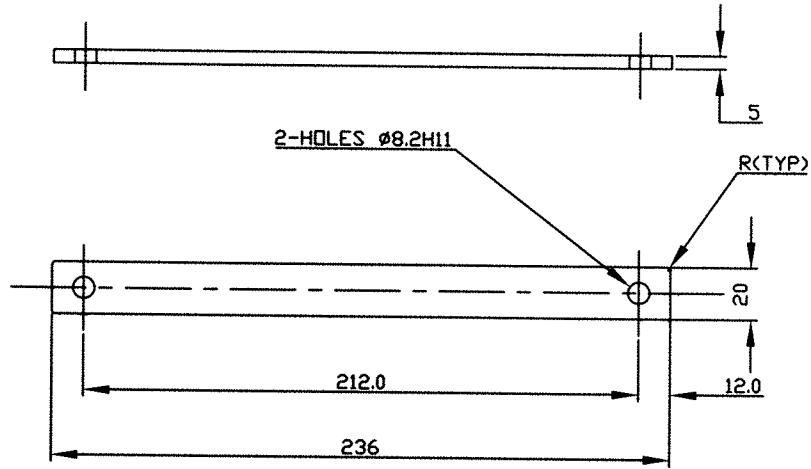
REVISIONS

ARTIFICIAL LIMBS  
 MANUFACTURING CORPORATION  
 OF INDIA  
 KANPUR

DGN	<i>[Signature]</i>	NOM	HANDLE TUBE
DRN	<i>[Signature]</i>	MTL	STEEL TUBE ERW C1 OD22.23mm THICK1.6mm ANNEALED IS:2039 (AF 13)
CHD	<i>[Signature]</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm UNLESS SPECIFIED
DIM	IN mm	FIN	Ni.Cr. PLATED Gd 2,IS:1068
SCALE	NTS	APP	<i>[Signature]</i>
DATE	08.10.99	DRG No:-	TD 2 N 85 0 01
			SHEET 10F1

01 K 6 301

5 4



NOTE:-

1.REMOVE SHARP EDGES & CORNERS.

2.	-	DRG REDESIGN & REDRAWN	27.7.12	<i>[Signature]</i>
SN0.	REGION	REVISION	DATE	SIGN

REVISIONS



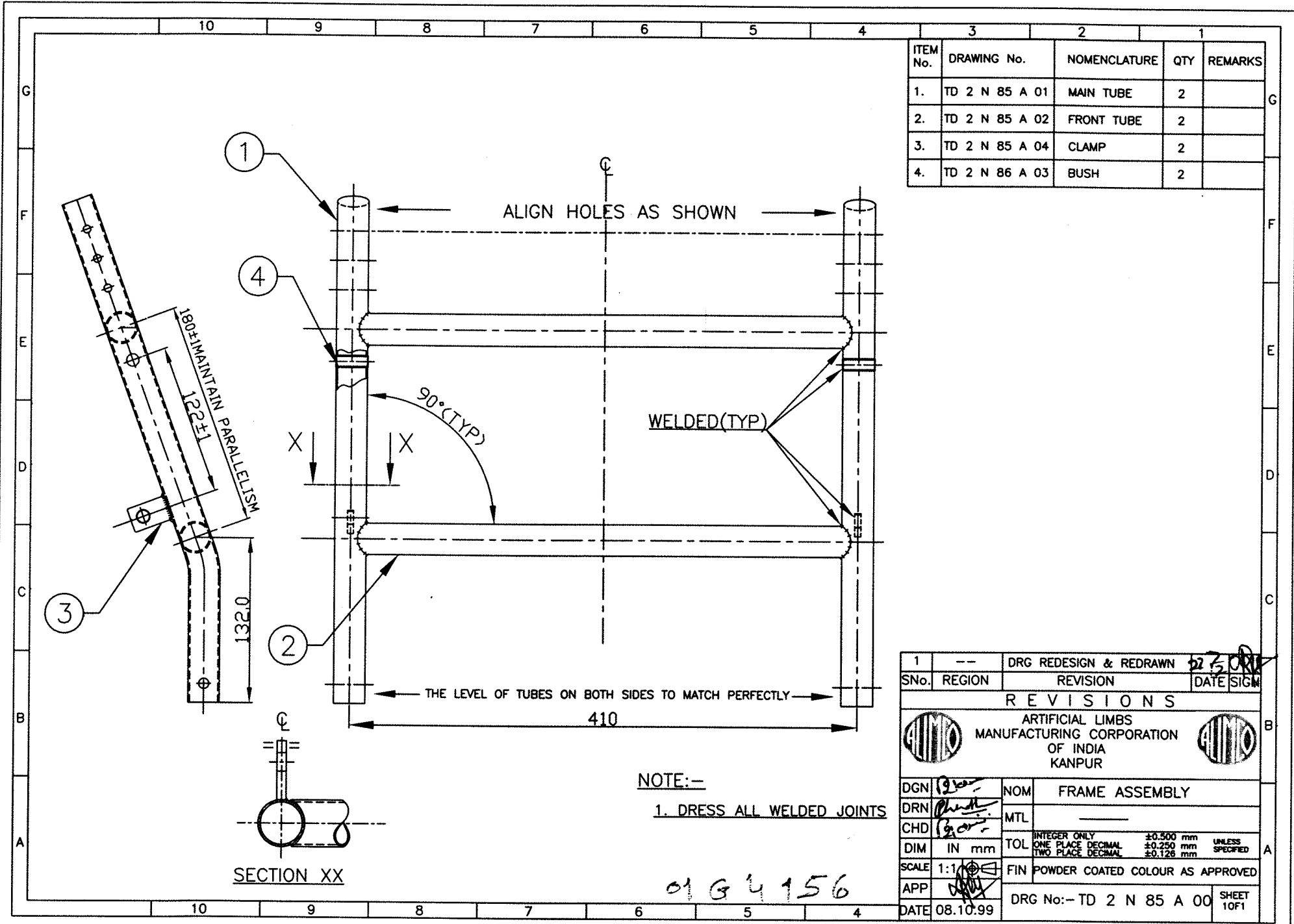
ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



DGN	<i>[Signature]</i>	NOM	LINK STRIP	
DRN	<i>[Signature]</i>	MTL	FLAT MS. 5X20mm OR 3/16" X 3/4" ST42-S AS PER IS:226(AD 26)	
CHD	<i>[Signature]</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	UNLESS SPECIFIED
DIM	IN mm	FIN		
SCALE	NTS			
APP	<i>[Signature]</i>			
DATE	08.10.99		DRG No:-TD 2 N 85 0 02	SHEET 10F1

01 K 6 302





ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 N 85 A 01	MAIN TUBE	2	
2.	TD 2 N 85 A 02	FRONT TUBE	2	
3.	TD 2 N 85 A 04	CLAMP	2	
4.	TD 2 N 86 A 03	BUSH	2	

1	--	DRG REDESIGN & REDRAWN	02/3/00
SNo.	REGION	REVISION	DATE SIGN

**REVISIONS**

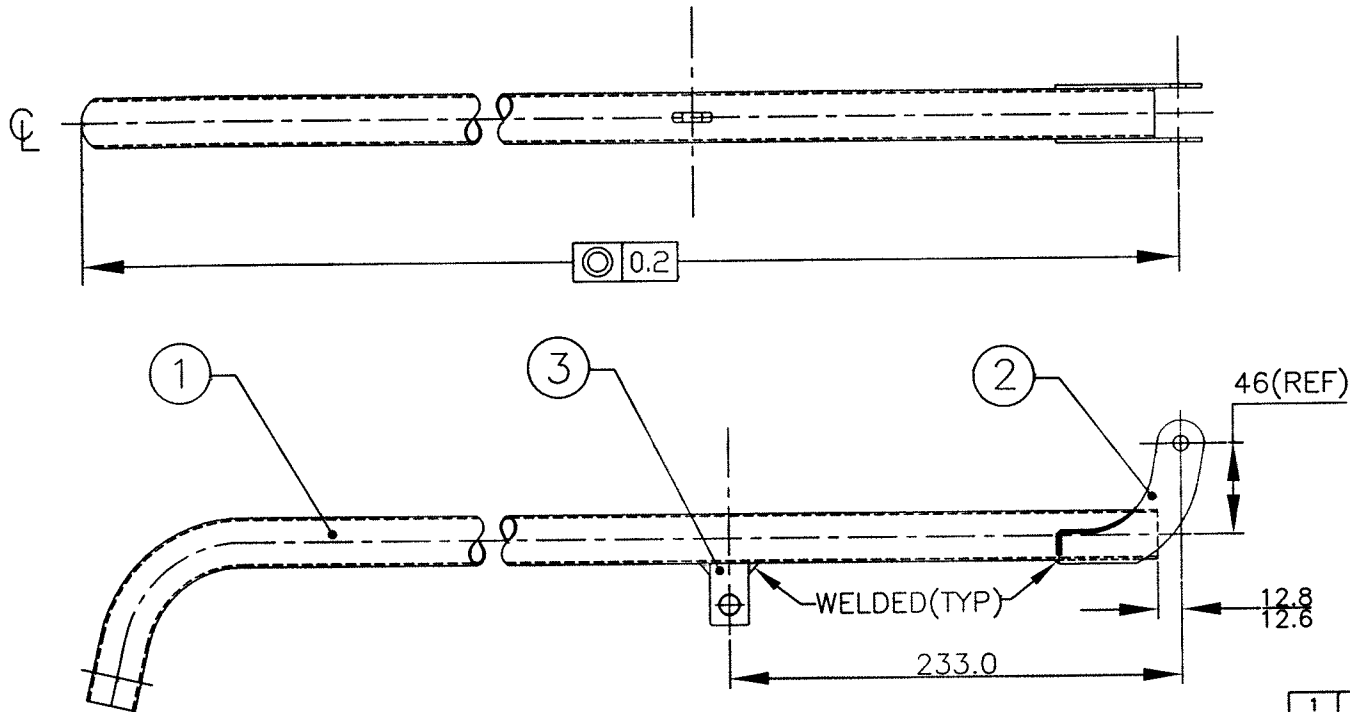
ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR

DGN	DRN	CHD	DIM	SCALE	APP	DATE	NOM	MTL	TOL	FIN	DRG No:-- TD 2 N 85 A 00	SHEET 10F1
			IN mm	1:1		08.10.99	FRAME ASSEMBLY		INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.128 mm <small>UNLESS SPECIFIED</small>	POWDER COATED COLOUR AS APPROVED		

**NOTE:-**  
1. DRESS ALL WELDED JOINTS



0184156

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 N 85 B 01	SIDE TUBE	1	
2.	TD 2 N 85 B 02	CLAMP	1	
3.	TD 2 N 85 A 04	CLAMP	1	



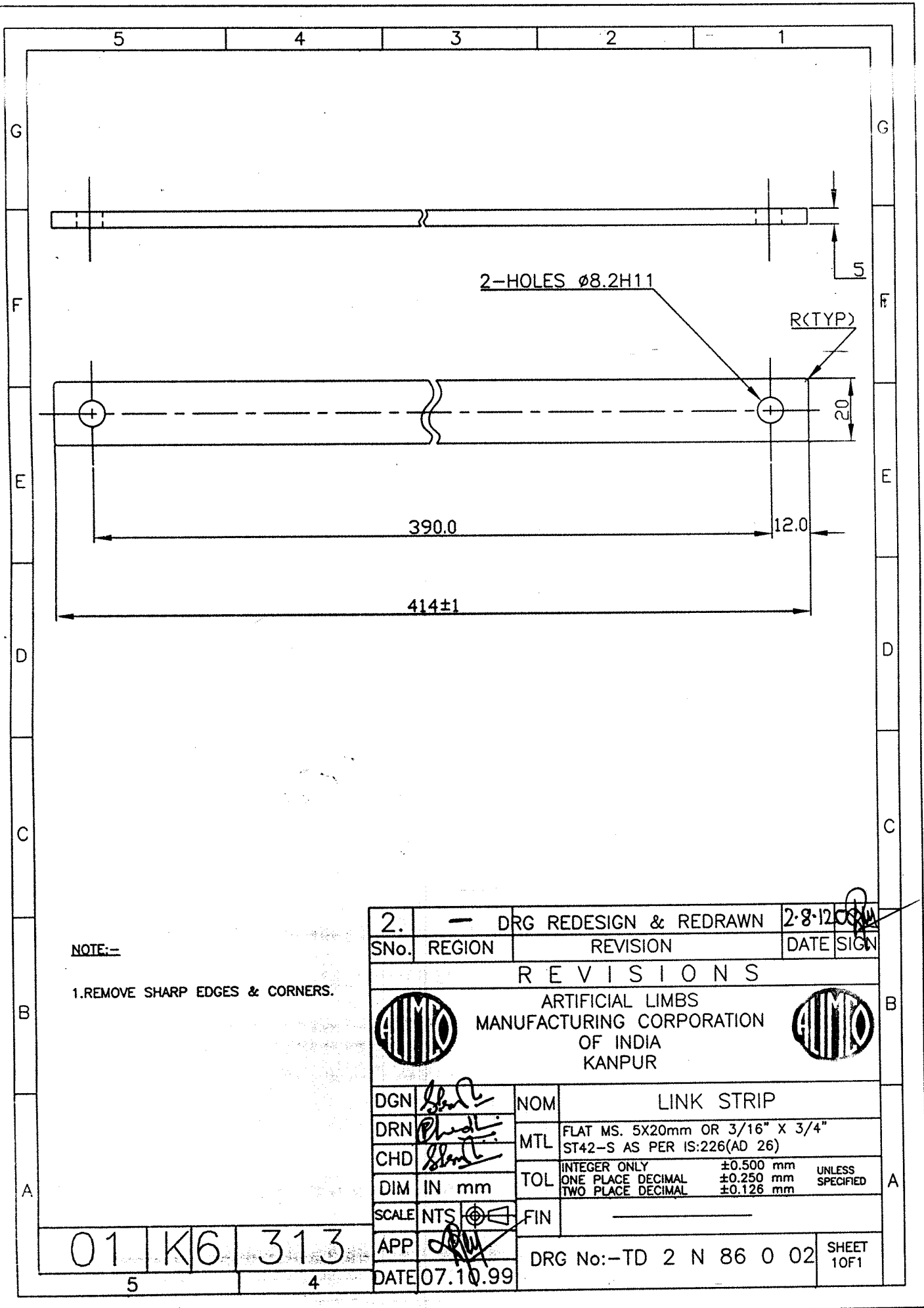
NOTE:-

1. DRESS ALL WELDED JOINTS

1	--	DRG REDESIGN & REDRAWN	27.07.12	
SNo.	REGION	REVISION	DATE	SIGN
REVISIONS				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN	<i>Chadli</i>	NOM	SIDE TUBE ASSEMBLY	
DRN		MTL		
CHD	<i>Chadli</i>	TOL	INTEGER ONLY ±0.500 mm UNLESS SPECIFIED ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	
DIM	IN mm	FIN		
SCALE	NTS			
APP	<i>Chadli</i>			
DATE	08.09.99		DRG No:-TD 2 N 85 B 00	SHEET 10F1

01 G4 076

**TD2N86000**



NOTE:-

1.REMOVE SHARP EDGES & CORNERS.

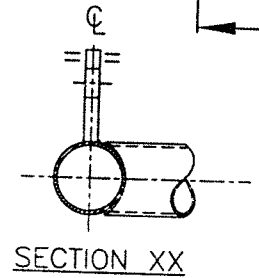
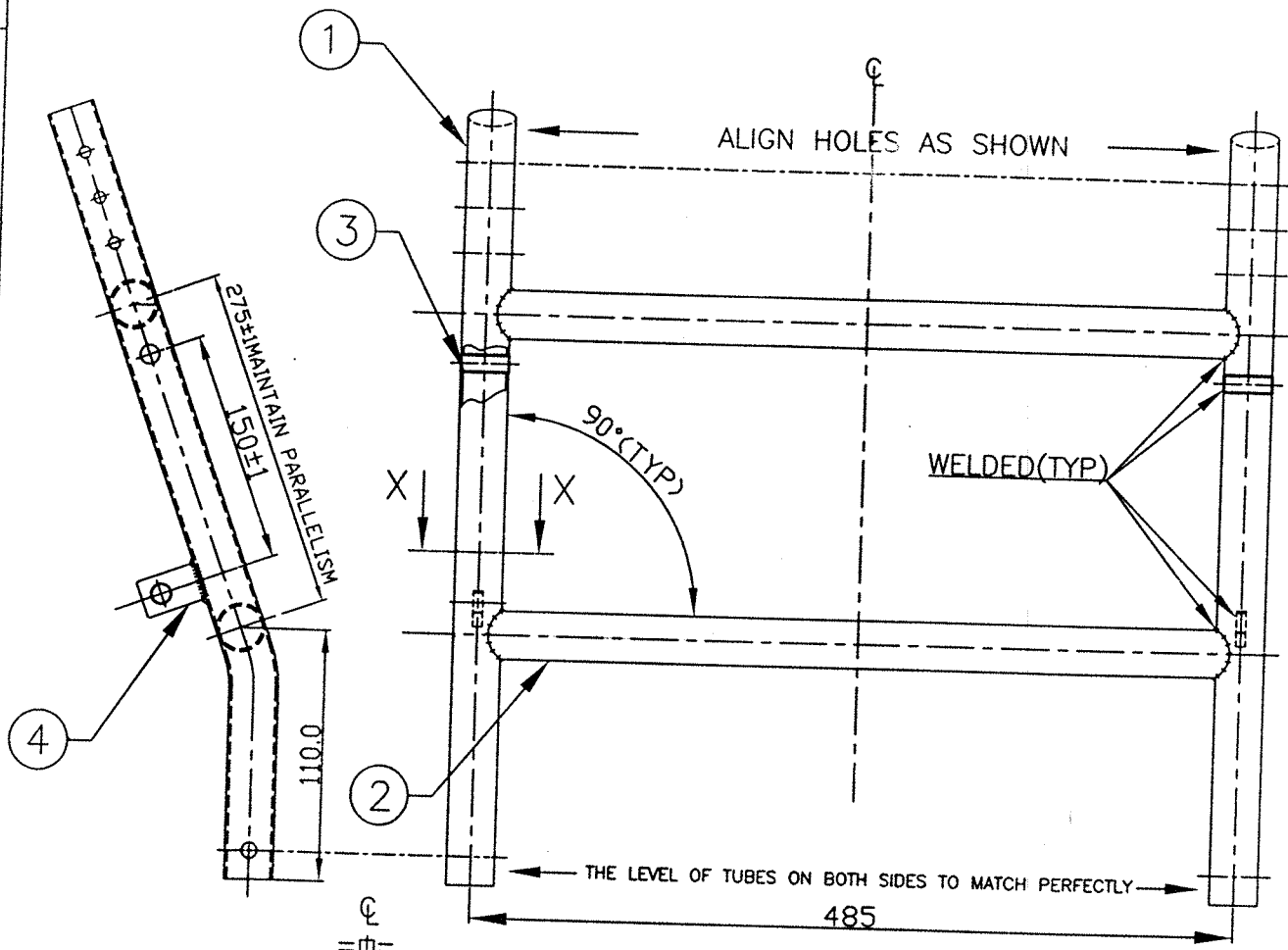
2.	-	DRG REDESIGN & REDRAWN	2-8-12	
SNo.	REGION	REVISION	DATE	SIGN
REVISIONS				
		ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR		
DGN		NOM	LINK STRIP	
DRN		MTL	FLAT MS. 5X20mm OR 3/16" X 3/4" ST42-S AS PER IS:226(AD 26)	
CHD		TOL	INTEGER ONLY	±0.500 mm UNLESS SPECIFIED
DIM	IN mm		ONE PLACE DECIMAL	±0.250 mm
			TWO PLACE DECIMAL	±0.126 mm
SCALE	NTS		FIN	
APP		DRG No:-TD 2 N 86 0 02		SHEET 10F1
DATE	07.10.99			

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ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 N 86 A 01	MAIN TUBE	2	
2.	TD 2 N 86 A 02	FRONT TUBE	2	
3.	TD 2 N 86 A 03	BUSH	2	
4.	TD 2 N 85 A 04	CLAMP	2	

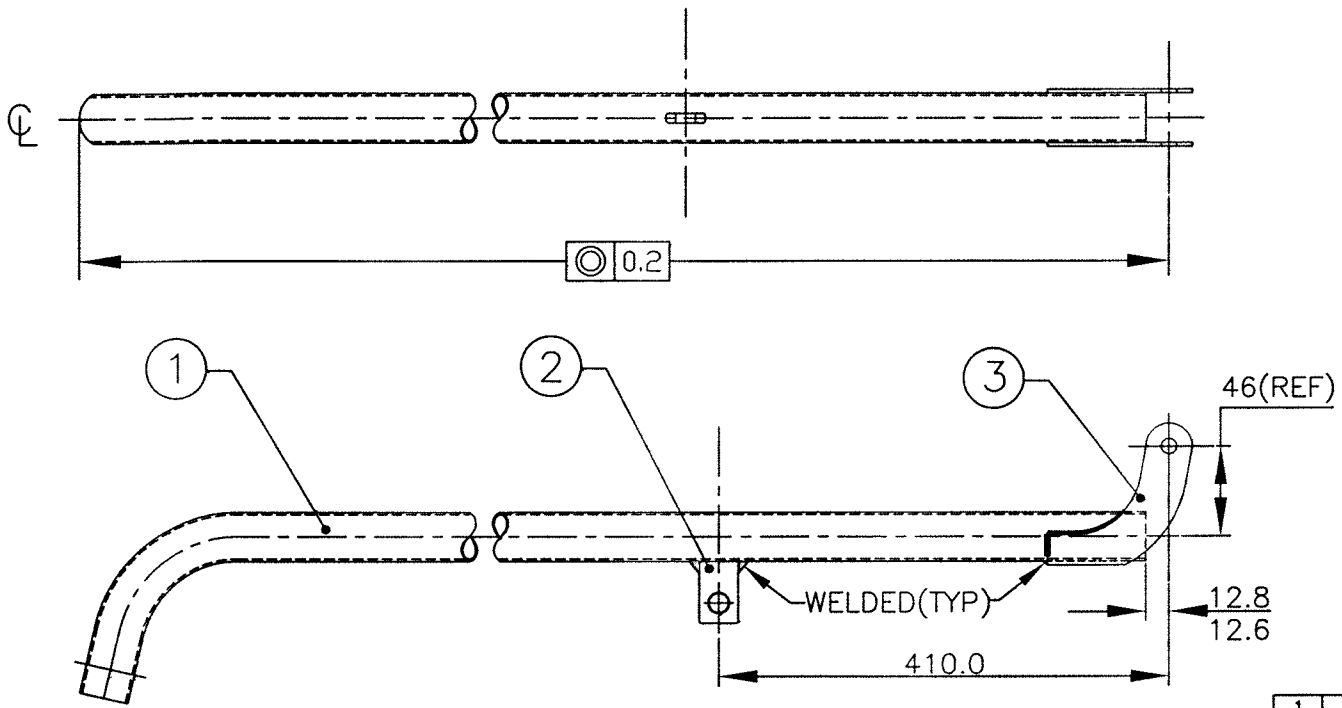


NOTE:-  
1. DRESS ALL WELDED JOINTS

01 G4 158



1	---	DRG REDESIGN & REDRAWN	2-8-12
SNo.	REGION	REVISION	DATE SIGN
REVISIONS			
ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR			
DGN	DRN	CHD	NOM
			FRAME ASSEMBLY
DIM	SCALE	APP	FIN
IN mm	NTS		POWDER COATED COLOUR AS APPROVED
DATE 07.10.99		DRG No:- TD 2 N 86 A 00	
			SHEET 10F1

ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 N 86 B 01	SIDE TUBE	1	
2.	TD 2 N 85 A 04	CLAMP	1	
3.	TD 2 N 85 B 02	CLAMP	1	



NOTE:--  
1. DRESS ALL WELDED JOINTS

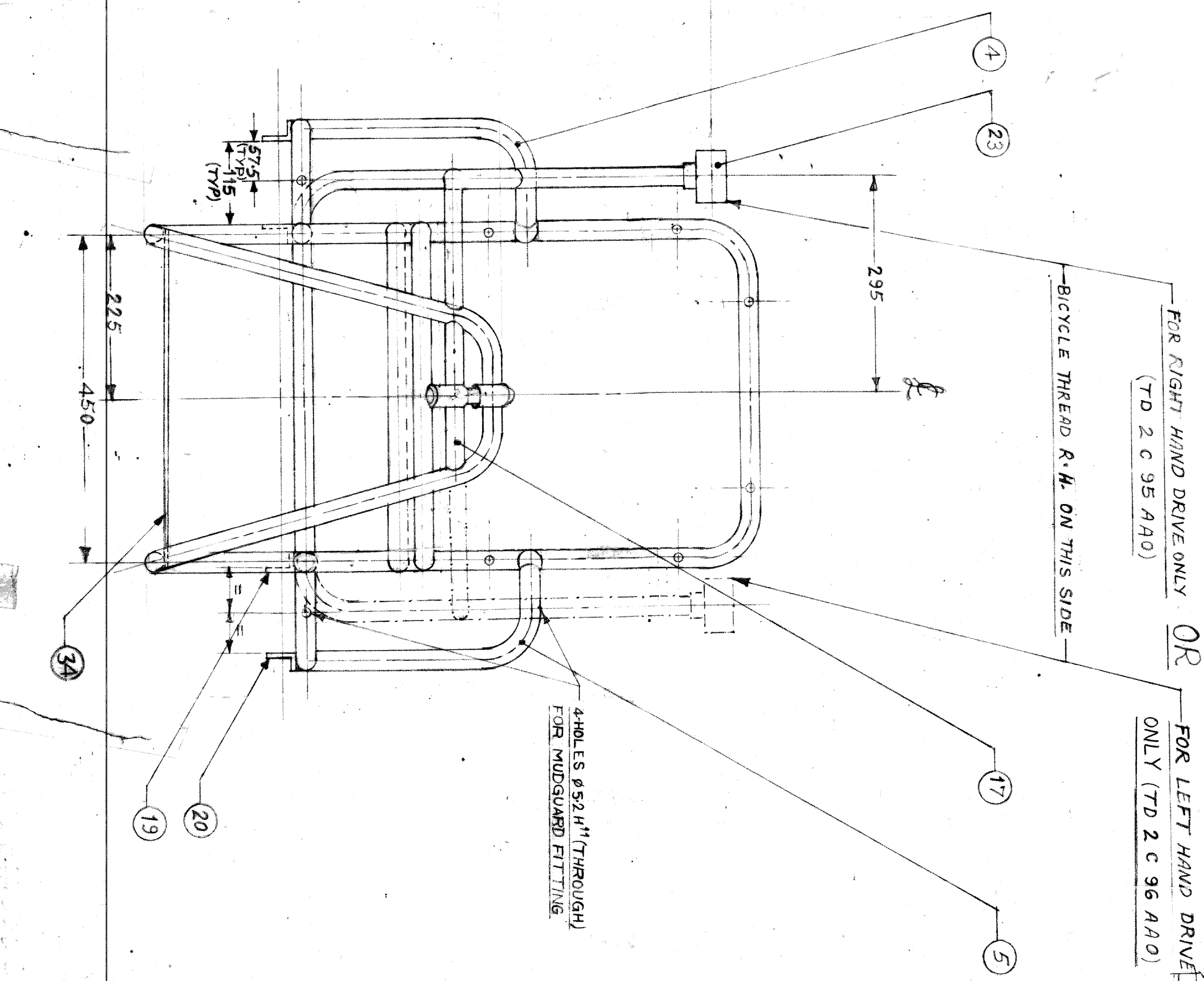
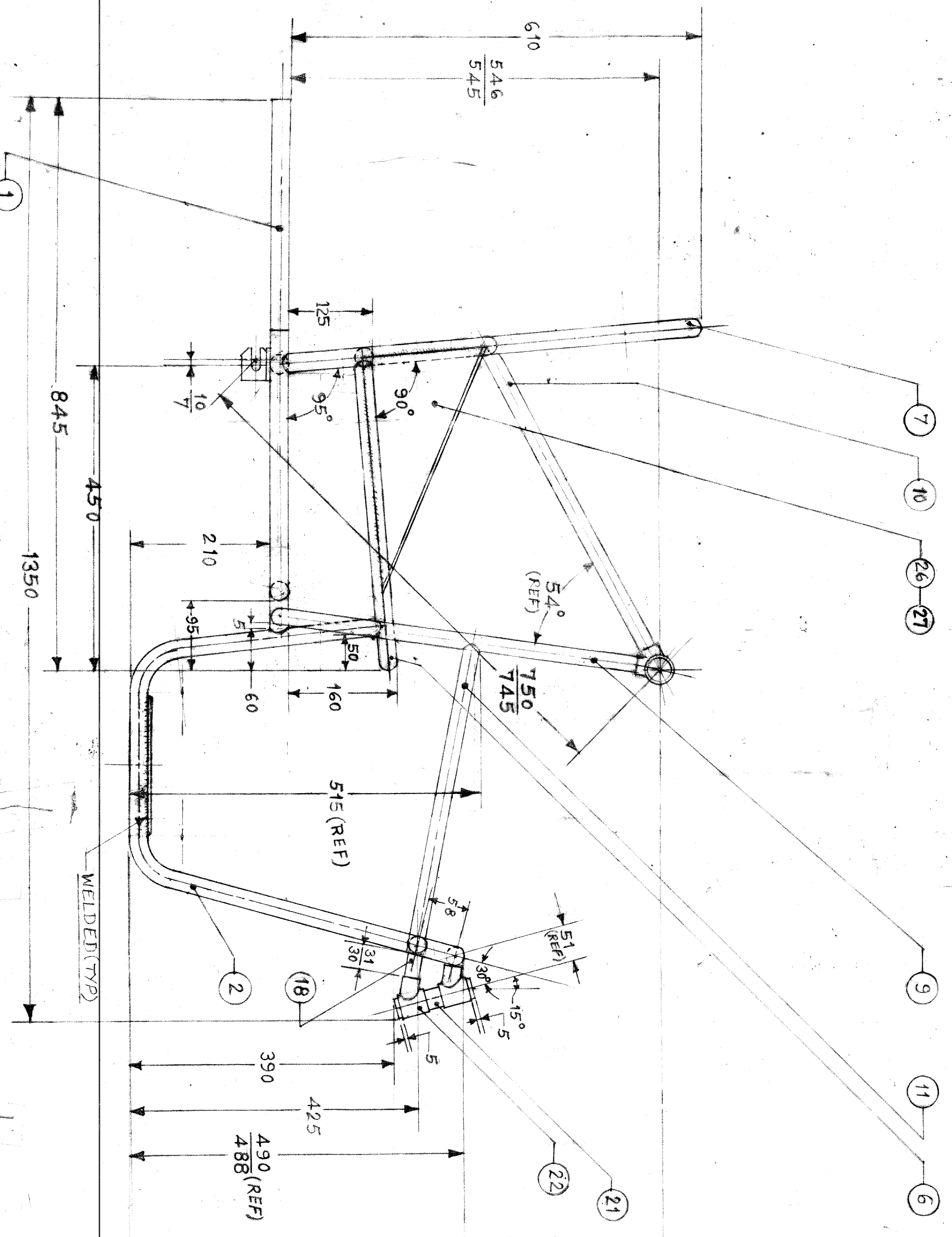
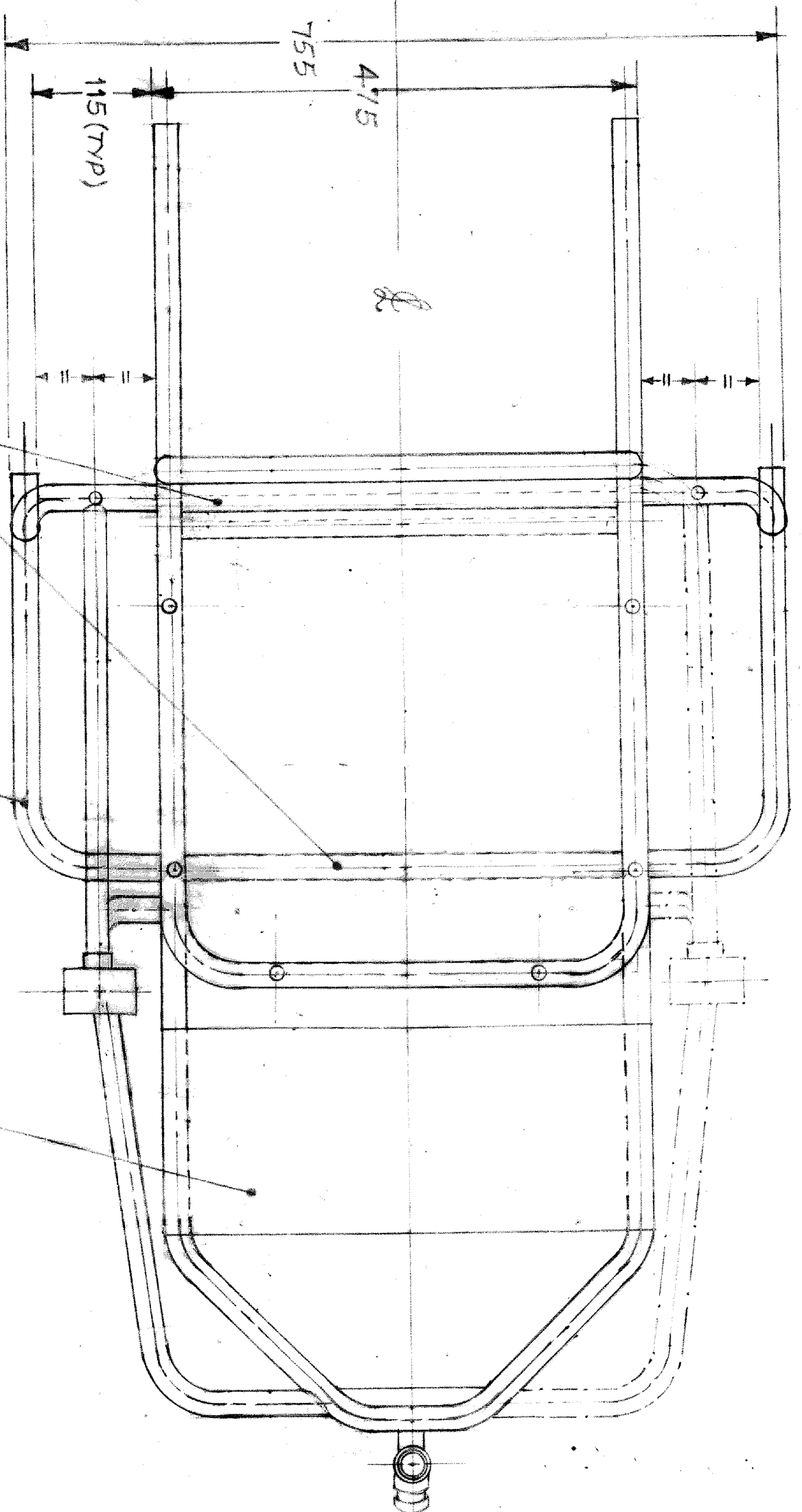
01 G4 078

1	---	DRG REDESIGN & REDRAWN	02.8.12	<i>[Signature]</i>
SNo.	REGION	REVISION	DATE	SIGN
R E V I S I O N S				
 ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA KANPUR 				
DGN	<i>[Signature]</i>	NOM	SIDE TUBE ASSEMBLY	
DRN	<i>[Signature]</i>	MTL		
CHD	<i>[Signature]</i>	TOL	<small>INTEGRAL ONLY ±0.500 mm UNLESS SPECIFIED</small> <small>ONE PLACE DECIMAL ±0.250 mm</small> <small>TWO PLACE DECIMAL ±0.125 mm</small>	
DIM	IN mm	FIN	POWDER COATED COLOUR AS APPROVED	
SCALE	NYS	APP		
DATE	07.10.99	DRG No:--TD 2 N 86 B 00	SHEET 10F1	

**TD2C95000**



NOTE:—  
 1. ALL WELDED JOINTS TO BE DRESSED & FINISHED SMOOTH.  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_



ITEM No.	DRG. No.	NOMENCLATURE	No OF	REMARKS
1	TD 2 C 95 A 01	REAR TUBE	2	
2	TD 2 C 95 A 02	FOOT REST TUBE	1	
3	TD 2 C 95 A 03	SIDE SUPPORT TUBE	2	
4	TD 2 C 95 A 04	LOOP SUPPORT TUBE (R)	1	
5	TD 2 C 95 A 05	LOOP SUPPORT TUBE (L)	1	
6	TD 2 C 95 A 06	SEAT TUBE	1	
7	TD 2 C 95 A 07	BACK REST TUBE	1	
8	TD 2 C 95 A 08	CROSS MEMBER	3	
9	TD 2 C 95 A 09	B.SHELL SUPPORT TUBE	1	
10	TD 2 C 95 A 10	VERTICAL SUPPORT	1	
11	TD 2 C 95 A 11	SIDE FRAME SUPPORT TUBE	1	DELETED
12	TD 2 C 95 A 12	SEAT	1	DELETED
13	TD 2 C 95 A 13	BACK REST	1	DELETED
14	TD 2 C 95 A 14	FOOT REST	1	DELETED
15	TD 2 C 95 A 15	SIDE GUARD (R)	1	DELETED
16	TD 2 C 95 A 16	SIDE GUARD (L)	1	DELETED
17	TD 2 A 60 A 04	FRONT SUPPORT TUBE	1	
18	TD 2 A 60 A 05	STIFFENER	1	
19	TD 2 C 98 A 13	BRACKET (RIGHT)	2	
20	TD 2 C 98 A 14	BRACKET (LEFT)	2	
21	LB 66	BICYCLE HEAD TUBE (FACE PIPE)	1	
22	LB 89	BICYCLE TOP LUG	2	
23	LB 99	BICYCLE BOTTOM BRACKET	1	
24	TD 2 C 95 A 17	FOOT REST SUPPORT ANGLE	1	DELETED
25	TD 2 A 60 A 08	FOOT REST	1	
26	TD 2 C 98 A 09	SIDE GUARD (RIGHT)	1	DELETED
27	TD 2 C 98 A 10	SIDE GUARD (LEFT)	1	DELETED
28	TD 2 C 95 A 18	EMBOSSED FOOT REST	1	DELETED
29	TD 2 C 95 A 19	FOOT REST SUPPORT TUBE	1	DELETED
30	TD 2 C 95 0 03	FOOT REST	1	
31	BA 08	HEX NUT M5, IS: 1363	1	
32	BF 77	SLOTTED CSK HEAD SCREW BMS X 40, IS: 1365 - 6-6	1	DELETED
33	BS 28	PUNCHED WASHER B 5.5 15:2016 MS	1	
34	TD 2 C 95 A 20	FOOT REST	1	

9	ITEM NO. 26, 27 REINTRODUCED.	12	
	ITEM NO. 34 ADDED. ITEM NO. 49, 24, 25, 24, 17	11	
	30 TO 33 & NOTE NO. 2, 3 DELETED.		
8	*5 HOLES ADDED FOR USE OF SIDE GUARD'S AT	9-4-10	
	ITEM NO. 26 & 27 BELLETED.		
7	ITEM NO. 9, 8, 29 DELETED.	24-8-9	
6	ADDED AS AN ALTERNATE.	24-3-10	
5	ITEM NO. 26, 27 ADDED.	24-3-10	
4	4 HOLES Ø 52 H <sup>11</sup> (THROUGH) ADDED	18-5-99	
3	TO ITEM NO. 19 & 24.	18-5-99	
2	ITEM NO. 12, 13 & DIM. 10 DELETED.	18-5-99	
1	POSITION OF ITEM NO. 3 & 10 CHANGED.	14-2-98	
	ITEM NO. 2, 4 ADDED. DRG. NO. WAS	14-2-98	
	TD 2 C 95 A 00 & TD 2 C 96 A 00	14-2-98	
	REVISION	DATE (DD)	

DRG. No.	01A 00 50
DATE	18-5-99
APP.	
SCALE	AS SHOWN
DWG. No.	TD 2 C 95 A 00
SHEET	1 OF 1

ARTIFICIAL LIMBS  
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 OF INDIA  
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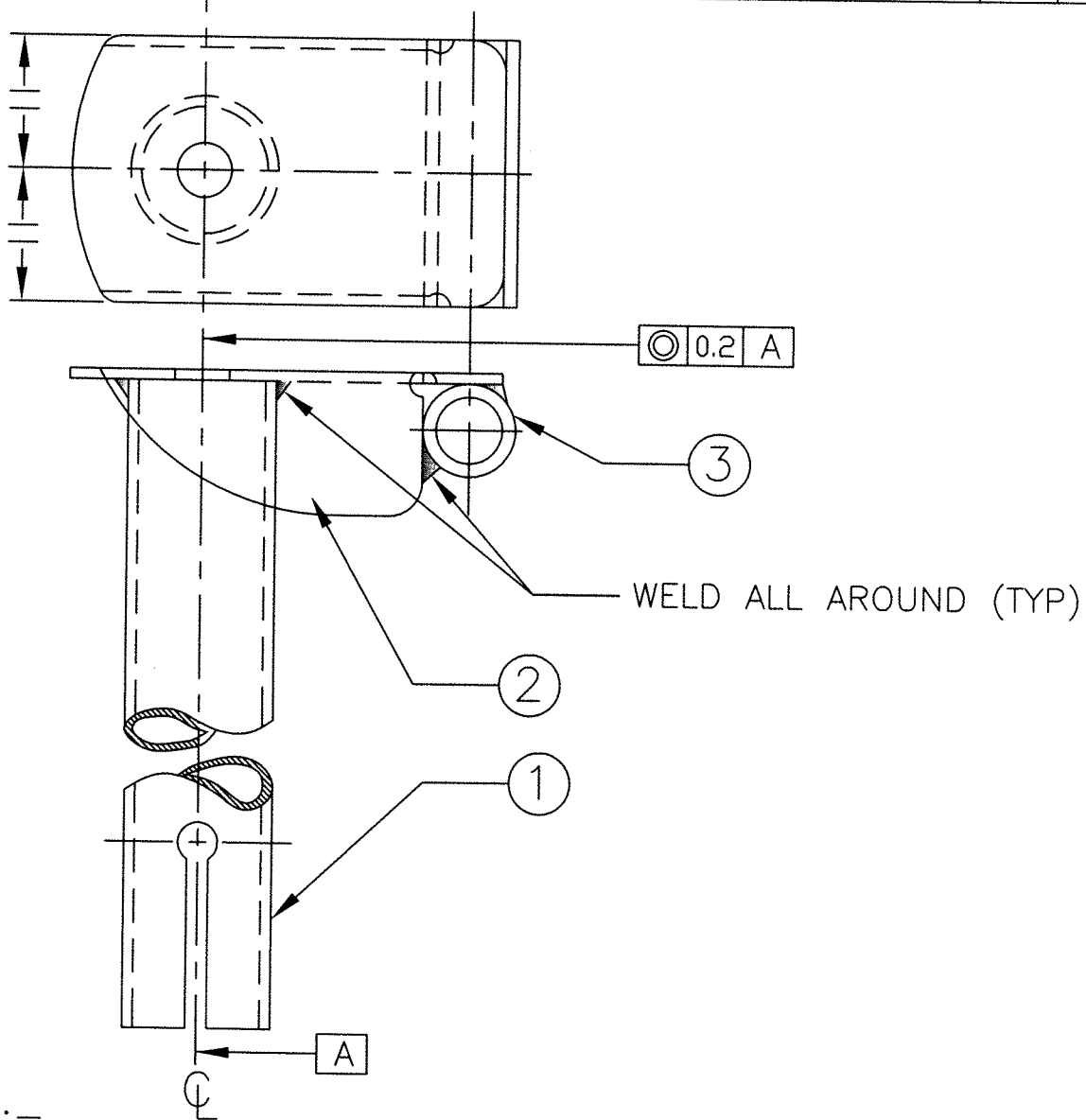
FRAME ASSY (R/L)

RED OXIDE PRIMER PAINT AND  
 FINISH PAINTING BLACK-COLOUR  
 AIR DRYING TYPE

RIGHT - TD 2 C 95 A 00  
 LEFT - TD 2 C 96 A 00



ITEM No.	DRAWING No.	NOMENCLATURE	QTY	REMARKS
1.	TD 2 C 98 A B1	CENTRE TUBE	1	
2.	TD 2 C 98 A B2	BRACKET	1	
3.	TD 2 C 98 A B3	BUSH	1	



FIN:—

ZINC PLATED THK 6 TO 8 MICRONS  
OR  
POWDER COATED COLOUR AS APPD

NOTE:—

1. DRESS WELDED JOINTS

4	—	DRAWING REDRAWN	18 <sup>3</sup>	<i>[Signature]</i>
SNo.	REGION	REVISION	DATE	SIGN

REVISIONS



ARTIFICIAL LIMBS  
MANUFACTURING CORPORATION  
OF INDIA  
KANPUR



DGN	<i>[Signature]</i>	NOM	CENTRE TUBE ASSEMBLY	
DRN	<i>[Signature]</i>	MTL	—	
CHD	<i>[Signature]</i>	TOL	INTEGER ONLY ±0.500 mm ONE PLACE DECIMAL ±0.250 mm TWO PLACE DECIMAL ±0.126 mm	UNLESS SPECIFIED
DIM	IN mm	FIN	INDICATED	
SCALE	NTS	APP	<i>[Signature]</i>	
DATE	26.12.1991	DRG No:—	TD 2 C 98 A B0	SHEET 10F1

01 K 8 224

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