

10-5



JFM 132 - 315 JUNIOR FULL VIEW MAST

CLIENT:- TEHNOMETAL

CLIENTS ORDER NO:- NG3

MAKERS ORDER NO:- 60/28

MAST SERIAL NO:- 2952

DATE OF DELIVERY:- JULY 1960



WOODFIELD ROCHESTER LIMITED

FRINDSBURY WORKS · ROCHESTER · KENT · ENGLAND

Telephone STROOD 78421

Telegrams: WOODFIELD · TELEX · ROCHESTER

DRILLING RIG IDECO WOODFIELD H-750 ID5

Drilling depth

2450m with 5" D.P.

Substructure

BOX

Floor height: 10.5 ft (3.2m)

Mast

J.F.M 132-315

Crown block

CB-300-5-36, 4 x 36" + 1 x 36"

Drawworks

IDECO WOODFIELD H-750, 2 x 3412 CAT, chain drive

Rotary table

HS-175, chain drive

Travelling block and hook

TBA-300-4-36

Swivel

Continental Emsco LB-300

Power system and power generation

CAT 455 kVA, CAT 320 kVA

MCC 400/231V, 50Hz, 800A

Mud system

Mud pumps: GEHO TMP-800, powered by CAT 3512

Drillmec 7TS600, powered by CAT 3508

Mud tanks: 4+1, total volume 144m³ with two (three) agitators per tank

Shale shaker: 2 MI SWACO PT MUNGOS

Degasser: DOMESTIC

NIS-Naftagas

Narodnog fronta 12, 21000 Novi Sad
Serbia

Phone: +381 21 481-2113

Fax: +381 21 481-4345

www.nis-naftagas.rs

e-mail:

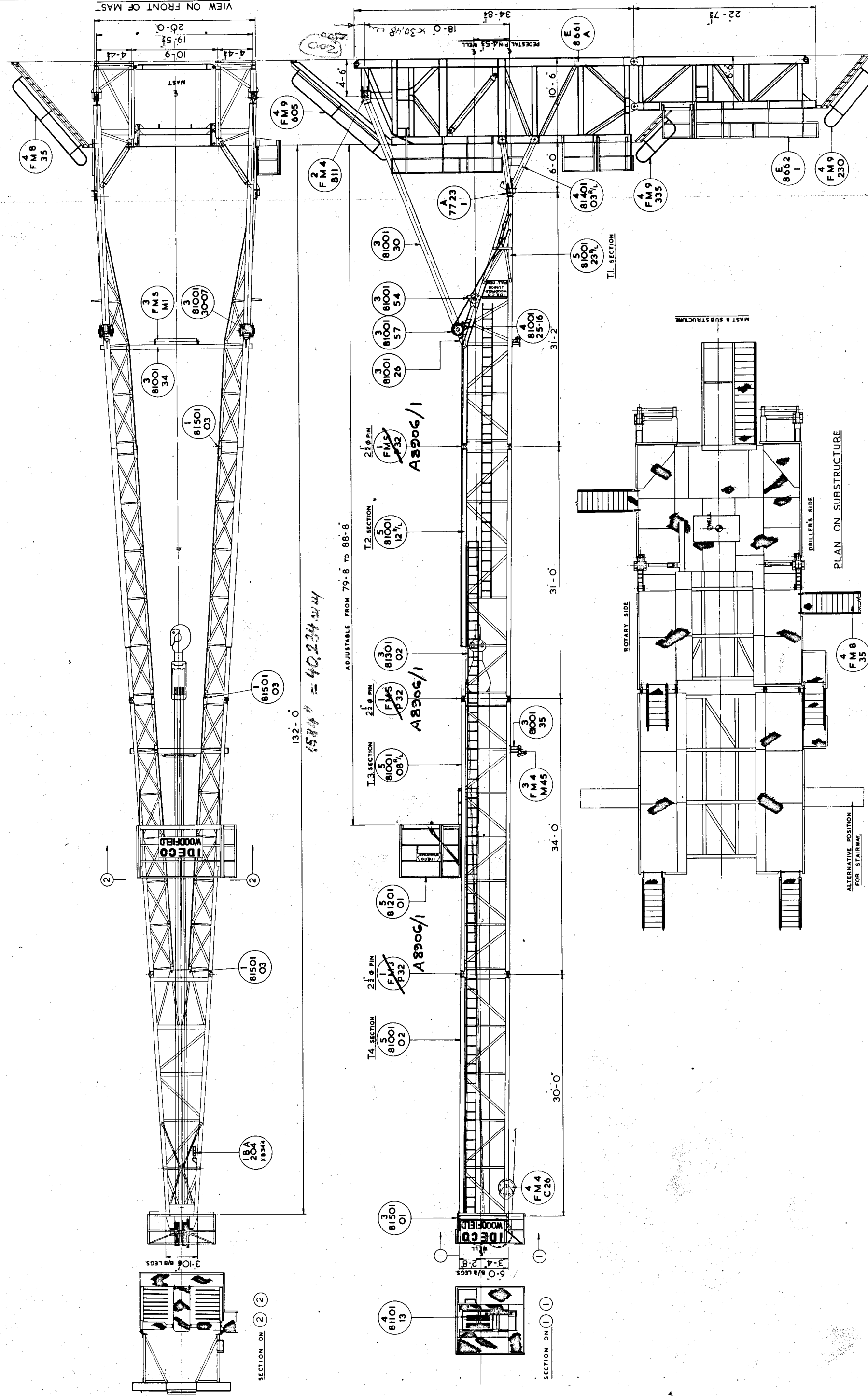
dragan.zivkovic@nis-naftagas.rs



Fig. 61

[illegible]

LIST OF REFERENCE DRAWINGS

[illegible]

FOR SLING LINE REEVING DIAGRAM SEE DRG. No. D.8768/I

FOR DRILLING LINE REEVING DIAGRAM SEE DRG. No. 2-81001-4

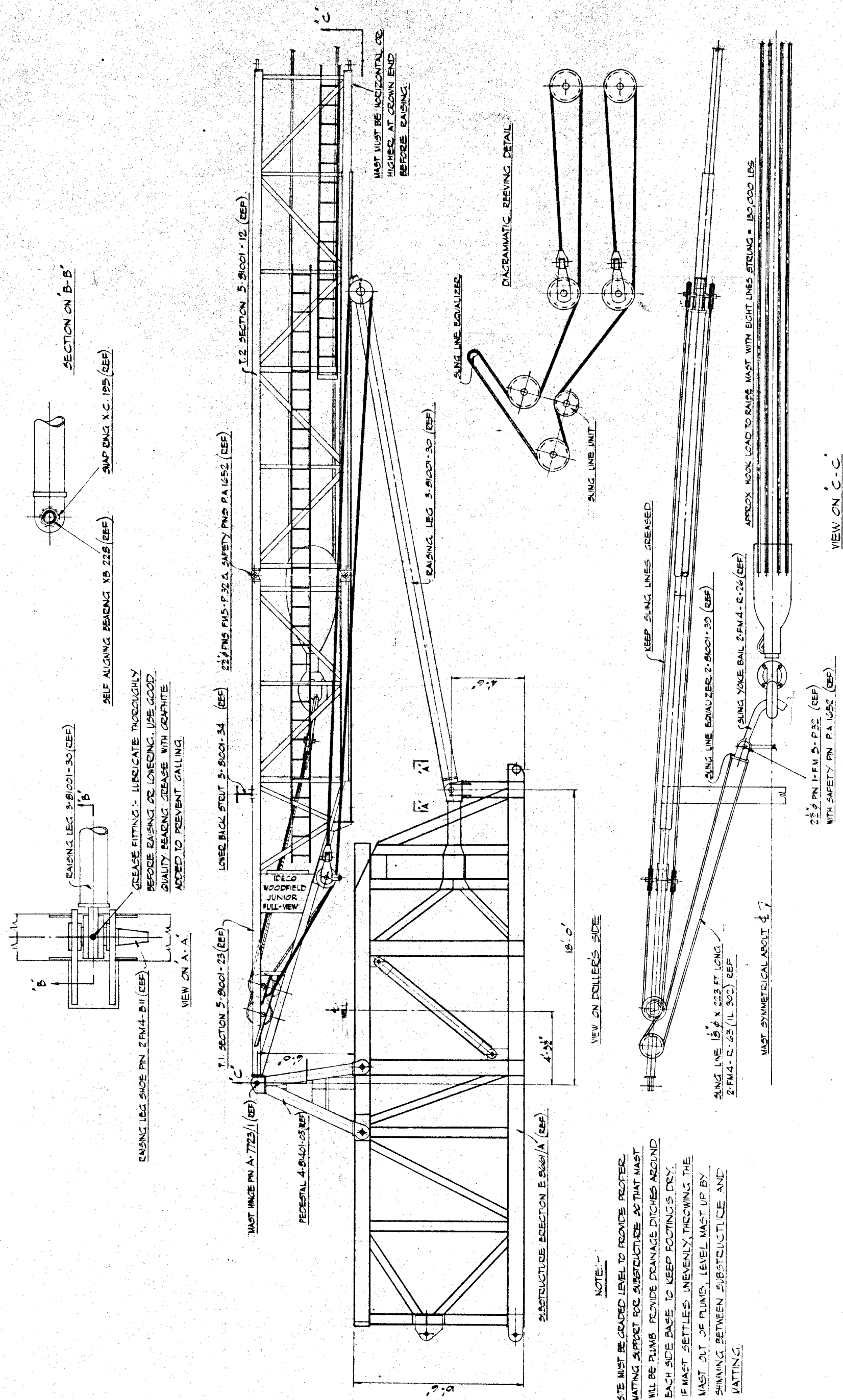
FIRST USED ON W/O No.				60/28	
DRAWN	CHECKED	TRACED	CHECKED	SCALE	
A.A.B.		P.A.C.	H.A.A.		
10/2/60		19/5/60	26/5/60		

ORG No E-8775/A RELATION No

WOODFIELD
ROCHESTER LIMITED
FRINDSURY WORKS · ROCHESTER · KENT

TITLE
ASSEMBLY OF 132'-0"
JUNIOR FULL VIEW MAST.

THIRD ANGLE PROJECTION

[illegible]

Rig Data

No.	Item	
1.	Rig Manufacturer	Ideco Woodfield (Dresser Industries, Beaumont TX)
2.	Year of manufacture	1960
3.	Rig Owner	NIS Naftagas OFS – Oil industry of Serbia
4.	Date of Delivery	July 1960
5.	Makers order No.	60/28
6.	Manufacturer	Woodfield Rochester Ltd
7.	Manufacturer plant	Frindsbury Works Rochester, Kent

Equipment data

No.	Item	Ser no.	Note/ Drg. No.
	Junior Full View mast JFM 132-315	2952	Assembly E.8775/A
	Mast full height	132' 0"	
	Mast load capacity	315000 lbs	API 4F
	Leg opening	19' 5 ½"	
	Drilling line	1 1/8" 6x19 IWRC RL	API 4A
	Mast rising line	1 1/8"	API 4A
	Mast Specification		API 4F
	Mast T4 section	5-81001-02	Top section with crown
	Mast T3 section (left & right)	5-81001-08	Upper mid-section
	Mast T2 section (left & right)	5-81001-12	Mid-section
	Mast T1 section (left & right)	5-81001-23	Lower section
	Raising leg	3-81001-30	Left & right
	Crown Block assembly	4-81101-13	
	Racking platform	5-81201-01	
	Raising leg shoe assembly	3-81001-57	
	Upper back strut	3-81001-35	
	Lower back strut	3-81001-34	
	Idler sheave assembly	3-81001-54	

10-5



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WOODFIELD ROCHESTER LIMITED

FRINDSBURY WORKS · ROCHESTER · KENT · ENGLAND

Telephone STROOD 78421 Telegrams: WOODFIELD · TELEX · ROCHESTER

INDEX FOR IDECO WOODFIELD

132-315 JUNIOR FULL VIEW MAST

SPECIFICATION

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E.8775/A

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E.8766/A

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boxes

E.8661/A

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D.8768/1

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4-81501-09

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3-81501-16

Mast guide ramp

3-81901-06

RECOMMENDED PROCEDURE FOR ERECTION,
RAISING AND LOWERING IDECO-WOODFIELD JUNIOR
FULL VIEW MAST

ERECTION:-

The site must be graded level to provide proper matting support to locate the substructure.

Adequate water drainage must be provided around each side base to keep the footings dry. If the substructure and mast settles unevenly thus throwing the mast out of plumb, re-align by shimming between the substructure and mats.

1. Fit mast guide ramps onto the substructure.
2. Place the travelling block and hook as close as possible to front substructure spreader beam to facilitate later attachment of sling line bail to hook.
3. Anchor the hook to the substructure with a wire sling.
4. Assemble the mast on timber matting. The foot rollers on the T1 sections should rest in the guide ramp tracks. The centre line of the mast at the crown must be placed as near as possible on the centre line of the substructure.
5. Reeve up the blocks as shown in the reeving diagram.
6. Elevate the crown end of the mast and rest the water on the truck bolster or float trailer. Ensure that the mast raising legs are securely chained to the mast.
7. Pull mast slowly up the ramps by spooling in the fast line.
8. Insert the mast hinge pins into pedestal slots.
9. Remove the mast guide ramps from the substructure.
10. Lower the raising legs into the raising leg base pedestal of the substructure.
11. Place the mast head rest in position underneath the water table and remove the mast from the truck bolster or float trailer.
12. Install the racking platform at the required position.
13. Ensure that the access gate to the B.O.P., control side, is pinned in position.

CAUTION:

- (A) On extra high substructures, watch for interference of the under side of the mast with the guide ramp tracks. It may be necessary to increase the elevation of the crown end of the mast.
- (B) If both the foot rollers are not central over the pedestal slots at the end of the travel, the crown end of the mast must be shifted laterally. Do not attempt to pull mast into alignment with the drawworks.

MAST RAISING INSTRUCTIONS

1. Mast must be in a level position or above when supported on headrest.
2. Make final visual inspection of mast, checking carefully the following:
 - A. Raising line string up. Make sure all lines are in raising sheave grooves and clear.
 - B. Condition of raising sheaves and sling lines.
 - C. Deadline anchor connection.
 - D. Check raising leg, and mast pedestal connections to substructure.
 - E. Back struts bolted in place.
 - F. Racking platform properly attached.
 - H. Make an inspection of the (2) locking lugs (both sides) to see if they are free and in extended position.
 - I. Be sure locking pin is inserted in hole provided below bottom end of raising track.
3. Be sure a minimum of 400 feet of line is spooled on Attach hook to sling bail.
4. Lubricate all bearing points in mast. Lubricate mast pedestal and raising leg pins.
5. To prevent traveling block from fouling, swing center board, on racking platform, over and tie down.
6. Make sure weight indicator is working properly.
7. Place hoist drum in lowest speed and slowly increase pull on lines. If 132' mast does not start up with hook load of 140,000 to 160,000 lbs., of 150,000 to 170,000 for 98'. Recheck weight indicator and rigging. Since the locking lugs operate automatically, do not pull on lock release lines during raising operation.
8. Raise mast slowly into vertical position.
 - A. Proceed slowly as raising leg shoes approach locking lugs and stop as soon as both locking lugs swing out into extended position.
9. After mast is in vertical position and both locking lugs

(3)

- have opened, slack off on the hook slowly which will seat the raising leg shoe against the locking lugs.
10. Drive the locking pins in place.
 11. When lowering block, watch drum to make sure enough line is spooled on the drum to lower hook to floor.
 12. Store raising slings in mast by pulling up full length with catline and lashing to mast.

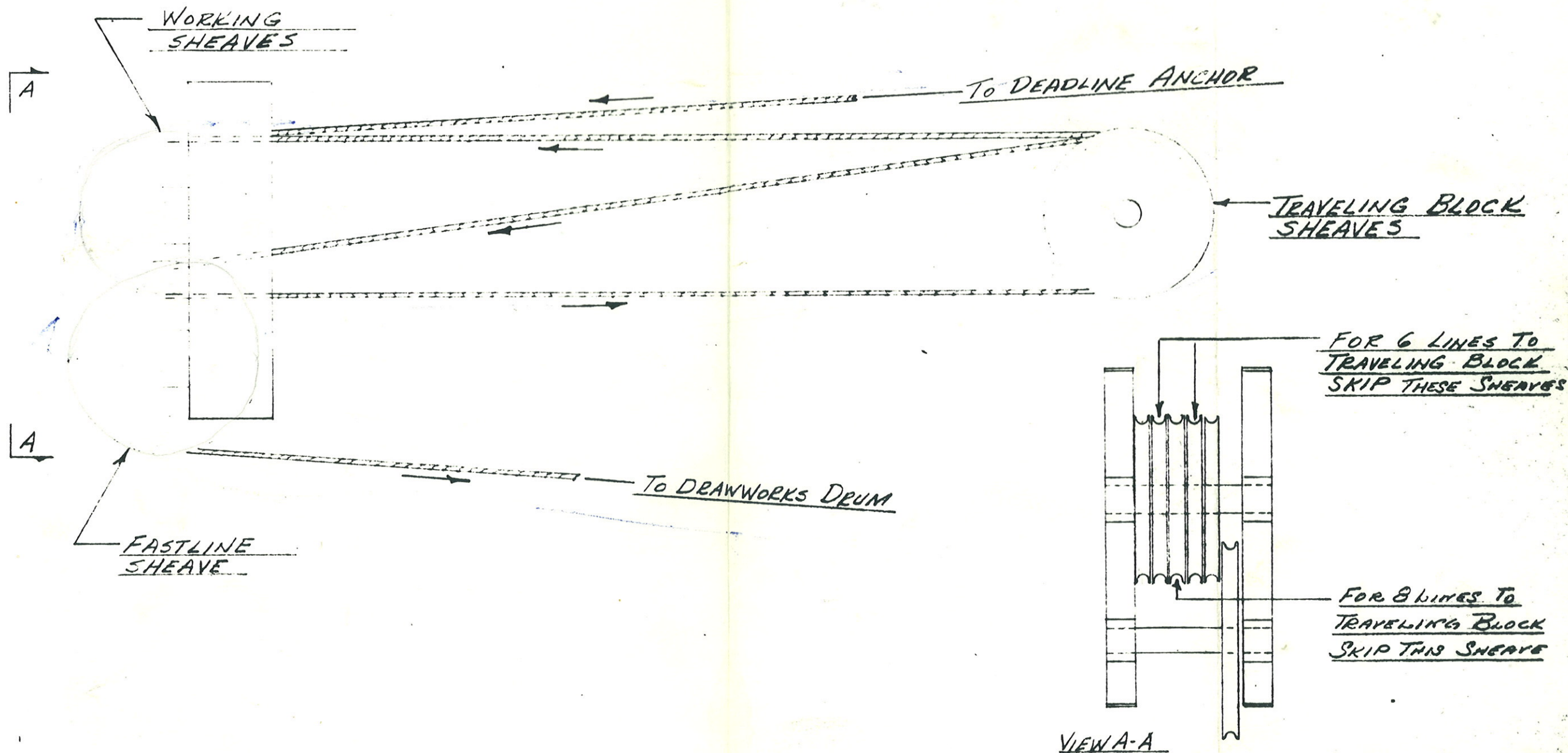
MAST LOWERING INSTRUCTIONS

1. Lubricate all bearing points in mast.
2. Attach raising lines to yoke and connect to hook. Check to eliminate kinks in the raising lines.
3. Check condition of raising sheaves and slings.
4. Check raising leg, and mast pedestal connections to substructures.
5. To prevent traveling block from fouling, swing center board on racking platform over and tie down.
6. Be sure weight indicator is working properly.
7. Drive out the locking pins.
8. Take up on the lines slowly until locking lugs can be retracted on both sides by pulling on lock release lines. Do not release locking lugs until raising shoes pass the locking lugs.
9. Lower mast slowly to headrest.

CAUTION: NO NOT EXCEED 30,000 LBS HOOK PULL WHEN PULLING ON SLING LINES WITH MAST IN DRILLING POSITION

CROWN BLOCK

VISIONS



TOLERANCES
FINISH $\pm 1/8$
MACHINING
TYPICAL $\pm 1/64$
DECIMAL $\pm .005$
UNLESS OTHERWISE NOTED

125 FINISH
SYMBOL TOUCHES
SURFACE TO BE FINISHED
NUMBER - MICROINCH ROUGHNESS
MICROINCH ROUGHNESS IN ACCORD-
ANCE WITH A. S. A. STANDARDS
SEE SHOP STANDARDS

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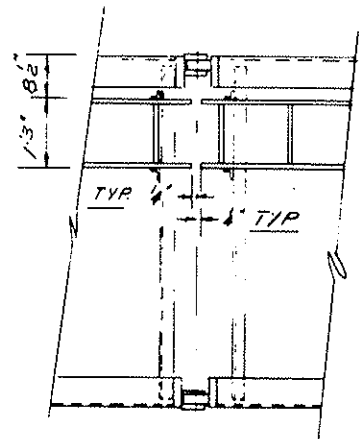


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HEADQUARTERS: DALLAS 21, TEXAS

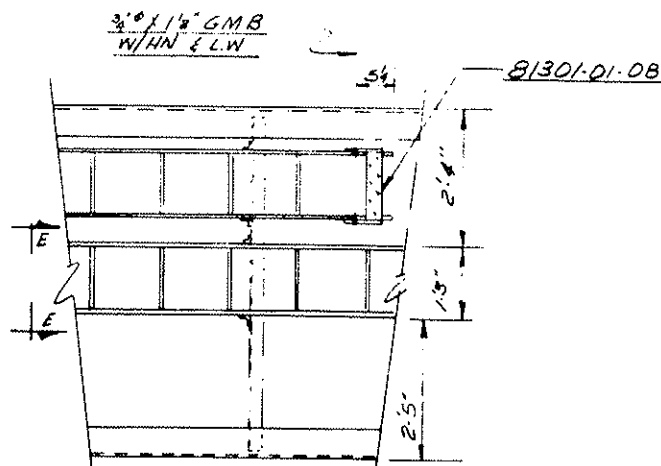
98 FT. AND 132 FT. FULL VIEW
MAST - REEVING DIAGRAM
DRILLING LINE - 6 LINES AND
8 LINES TO TRAVELING BLOCK

ORDER NO.			
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DATE	JMH	USE	
DRAWING NO.	2-6-57	11-20-57	
	2-81001-44		

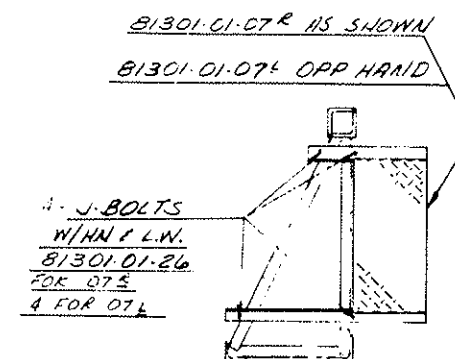
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1	B1301-01-01E	-DO-
1	B1301-01-02	-DO-
1	B1301-01-03	-DO-
1	B1301-01-04	-DO-
1	B1301-01-05	-DO-
1	B1301-01-06	-DO-
1	B1301-01-07R	LANDING PLATFORM
1	B1301-01-07L	-DO-
1	B1301-01-08	-DO-
8	B1301-01-26	J BOLTS
2		3/4" x 1/2" GMB W/HN & L.W.



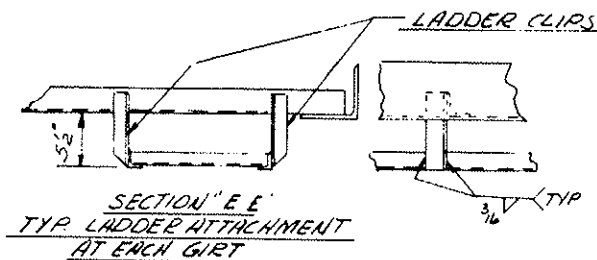
VIEW "C"



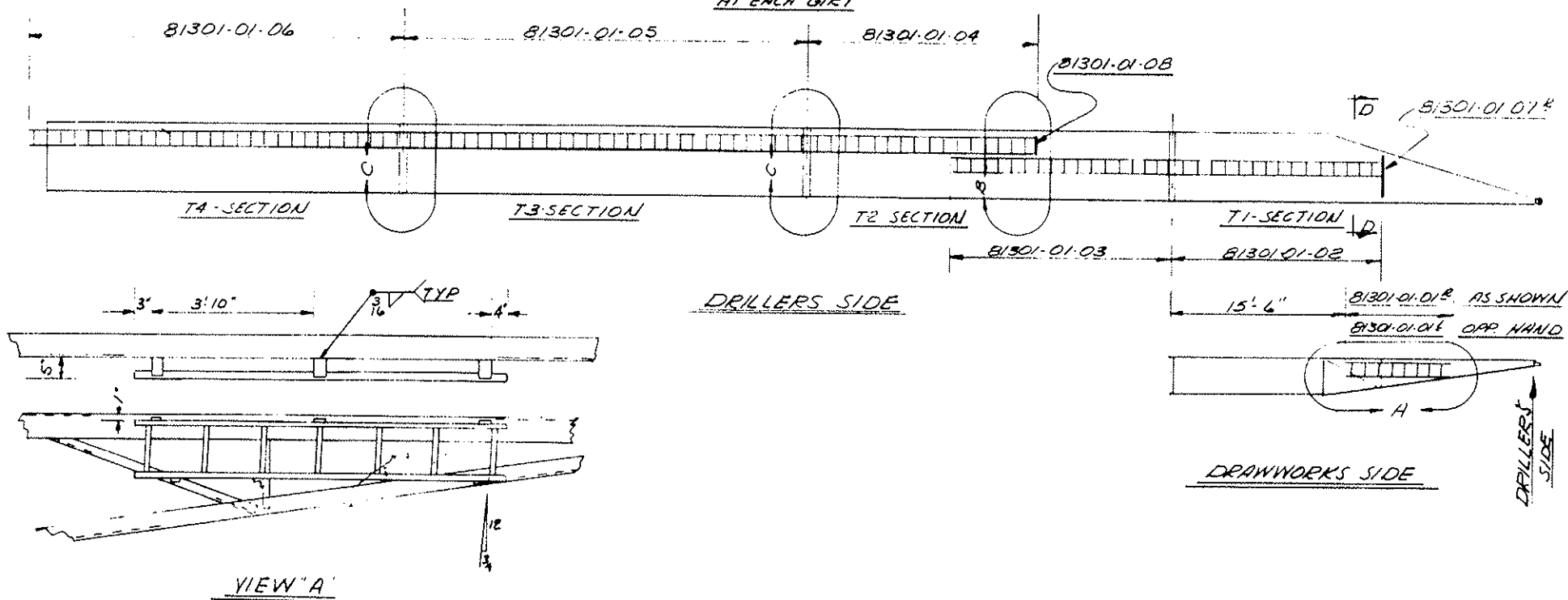
VIEW "B"



SECTION "D"



SECTION "E E"
TYP. LADDER ATTACHMENT
AT EACH GIRT



VIEW "A"

NO.	3
REVISIONS	
MODEL NO.	
FOR ASSEMBLY NO.	
NO. REQUIRED	

NOTES:

TOLERANCES
CASTINGS ± 1/8
FABRICATING ± 1/8
MACHINING
FRACTIONAL ± 1/64
DECIMAL ± .005
UNLESS OTHERWISE
NOTED

FINISH
SYMBOL TOUCHES
SURFACE TO BE FINISHED
NUMBER = MICROINCH ROUGHNESS
MICROINCH ROUGHNESS IN ACCORD-
ANCE WITH A. S. A. STANDARDS
SEE SHOP STANDARDS



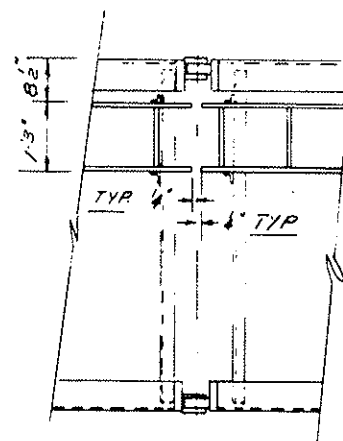
PLANT: BEAUMONT, TEXAS
HEADQUARTERS: DALLAS 21, TEXAS

ERECTION-MAST LADDERS
132' FULL VIEW MAST

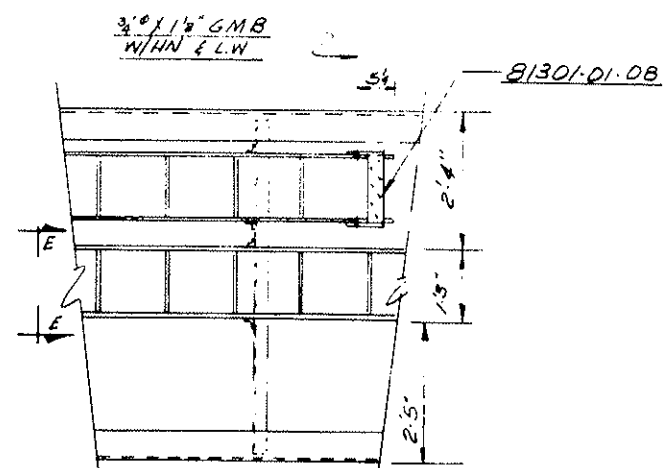
ORDER NO.	DRAWN	CHECKED	APPROVED	SCALE
	JWCOX			NONE
NAME	DATE	5-5-58	5-7-58	
DRAWING NO.	3-81301-02			

4

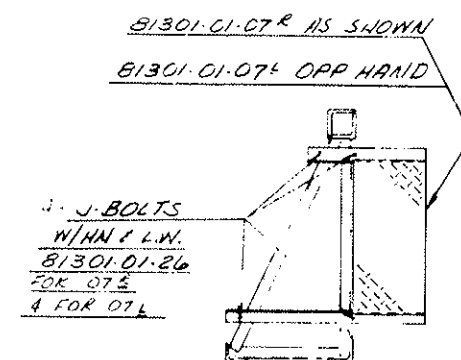
CT	PIECE	DESCRIPTION
REGD	MARK	
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1	B1301-01-01E	-DO-
1	B1301-01-02	-DO-
1	B1301-01-03	-DO-
1	B1301-01-04	-DO-
1	B1301-01-05	-DO-
1	B1301-01-06	-DO-
1	B1301-01-07R	LANDING PLATFORM
1	B1301-01-07L	-DO-
1	B1301-01-08	-DO-
8	B1301-01-26	J BOLTS
2		3/4" x 1 1/2" GMB W/HN & L.W.



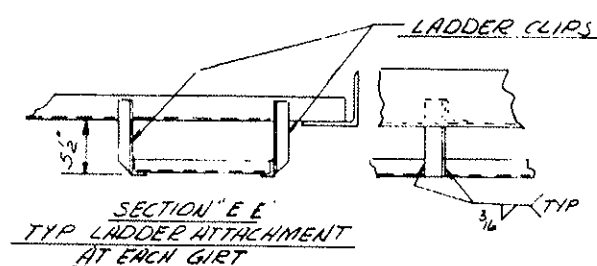
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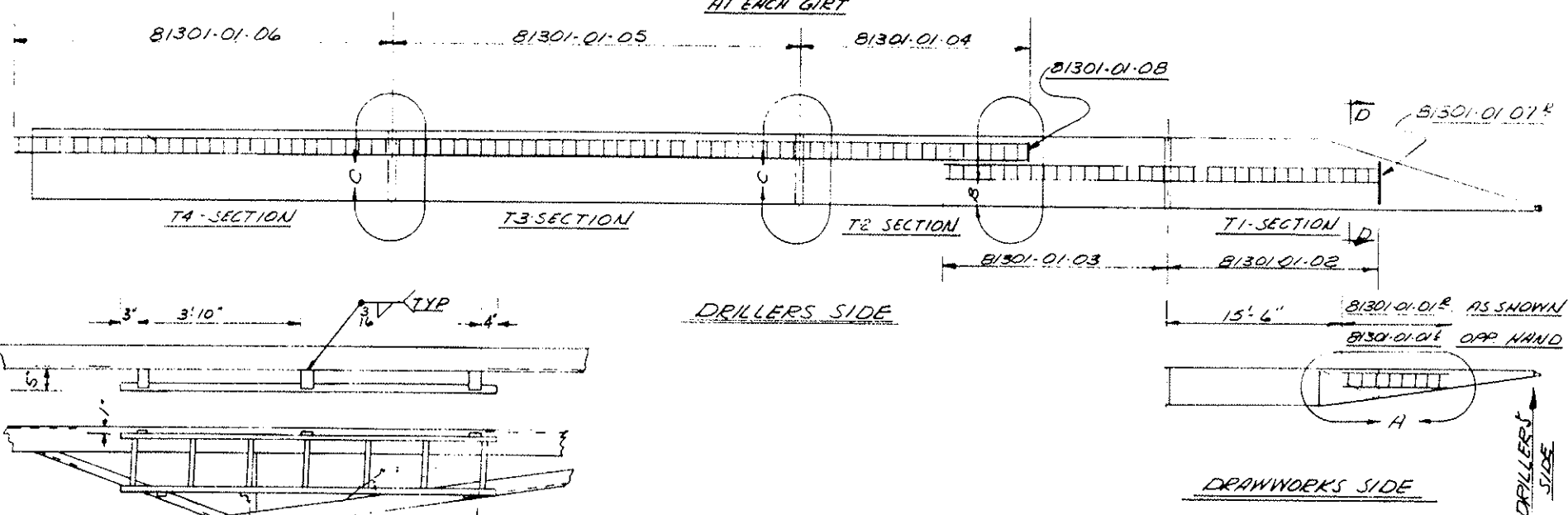
VIEW "B"



SECTION "D"



SECTION "E E"
TYP LADDER ATTACHMENT
AT EACH GIRT



VIEW "A"

NOTES:

TOLERANCES
CASTINGS ± 1/8
FABRICATING ± 1/8
MACHINING
FRACTIONAL ± 1/64
DECIMAL ± .005
UNLESS OTHERWISE
NOTED

FINISH
125 SYMBOL TOUCHES
SURFACE TO BE FINISHED
NUMBER = MICROINCH ROUGHNESS
MICROINCH ROUGHNESS IN ACCORD-
ANCE WITH A. S. A. STANDARDS
SEE SHOP STANDARDS

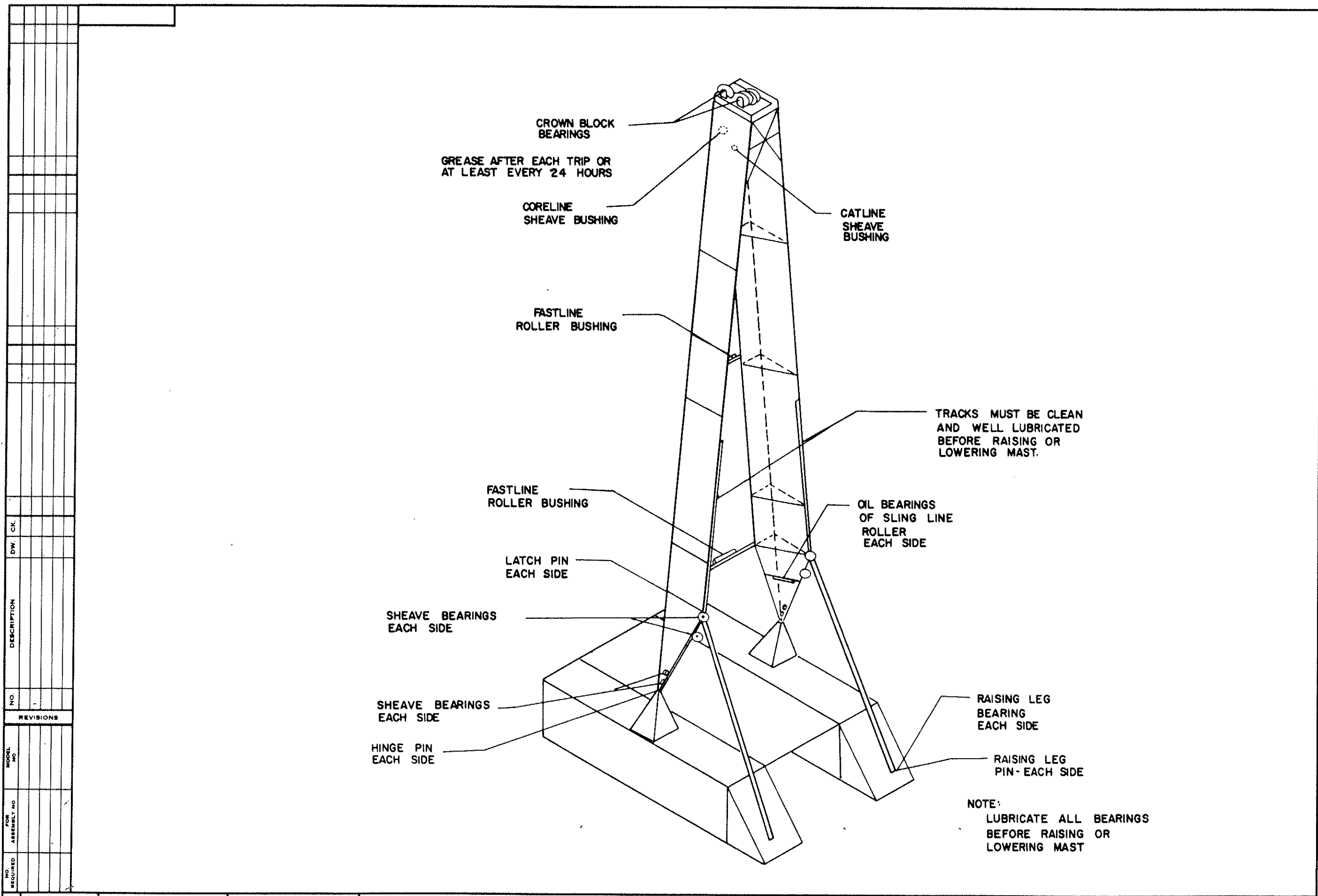
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PLANT: BEAUMONT, TEXAS
HEADQUARTERS: DALLAS 21, TEXAS

ERECTION MAST LADDERS
132' FULL VIEW MAST

ORDER NO.				
	DRAWN	CHECKED	APPROVED	SCALE
NAME	JWCOX	W.D.		NONE
DATE	5-5-58	5-7-58		
DRAWING NO.	3-81301-02			REVISION III



NOTES:	TOLERANCES CASTINGS ± 1/8 FABRICATING ± 1/8 MACHINING FRACTIONAL ± 1/64 DECIMAL ± .005 UNLESS OTHERWISE NOTED	FINISH 125 SYMBOL TOUCHES SURFACE TO BE FINISHED NUMBER = MICROINCH ROUGHNESS MICROINCH ROUGHNESS IN ACCORD- ANCE WITH A. S. A. STANDARDS SEE SHOP STANDARDS	This drawing, including all novel and patent- ed or patentable subject matter, embodies confidential information of the Dresser Equipment Company - Ideco Division and is loaned with the understanding that it will not be reproduced nor be used for any purpose except that for which loaned unless written permission is granted by the owner, and that it shall be returned on demand.	 	PLANT: BEAUMONT, TEXAS HEADQUARTERS: DALLAS 21, TEXAS	LUBRICATION CHART			
	ORDER NO.								
	NAME		DRAWN		CHECKED	APPROVED	SCALE		
	DATE		3-1-57		JMH	3-4-57			
DRAWING NO.		3- 81001-43							

6

RECOMMENDED PROCEDURE — FIELD WELDING AND HEATING

Welding Mast Main Legs:

Low Carbon weldable alloy steel is used in the mast main legs. The low carbon alloy steel can be welded without heat treatment at ordinary or moderate temperatures. At winter temperatures below 40°F, this steel, as well as mild steel, should be first heated to around 200°F or just hot enough that you can't keep your hand on it.

"Fleetweld 85" (Lincoln Electric Company) is the electrode we recommend for field welding the low carbon alloy steel. If this rod is not available, "Fleetweld 5" is an acceptable substitute possessing somewhat lower tensile strength.

Electrode material must be kept dry up to the time of actual use. Moisture in the coating may result in undesirable porosity and brittleness.

Another precaution to observe in field welding is to burn off the paint before welding to eliminate impurities.

Welding Substructure and Mast Girts and Braces:

The mast substructure, extension, floor plate, hand rails, mast girts, braces, all back struts, water table and raising legs are made of mild steel and can be welded with any good rod.

Heating:

Our mast steels can be heated for reworking without danger of impairing its strength properties. When steel must be bent or worked into a specified shape, it must be heated to a temperature where it is plastic enough to yield to this shaping or forging operation or the steel will be left in an unnatural strain. Hence, it is logical that if steel has been bent appreciably, it should be heated properly when straightened.

The proper heat for rework operations is a healthy blood red when viewed in medium daylight. This is about 1300-1500°F. Steel is permanently injured or "burned" when it is heated to a light yellow or white heat, where sparks are emitted and globules of metal can be seen.

The reworked steel should be allowed to cool naturally in still air, the same as it did at the mill after the rolling operation.

Reinforcement Of Damaged Angles In Mast:

If a member is cracked or bent, it may require reinforcing. This can be accomplished by welding a mild steel plate, formed if necessary, bridging the damaged area. Avoid continuous welds straight across (90° to axis) the damaged wherever possible.

IDECO IDECO DIVISION, DRESSER EQUIPMENT COMPANY ONE OF THE DRESSER INDUSTRIES DALLAS U.S.A. TEXAS	DRAWN	CHECKED	APPROVED	SCALE
		JCH	WKT	
		10-4-54	10-4-54	
	DRAWING NUMBER	SHEET NO.	REV. NO.	TOTAL SHEETS
	3-P129	—	—	

IDECO WOODFIELD JUNIOR FULL VIEW MAST

LUBRICATION

Refer to lubrication drawing number 3-81001-43.

All lubrication should be carried out before the raising or lowering of the mast.

The tracks on which the raising legs slide, must be well greased manually before attempting to raise or lower the mast.

Grease all pins before insertion to mast.

Lubricators are provided at various positions, (see lub. chart). throughout the mast and must be greased every 24 hours, or every trip.

The fastline roller bushes are located on the back struts and should be greased every 24 hours with SHELL ALVANIA 3 grease.

Each bearing of the crown block is lubricated individually by grease nipples located in the end of the shaft. Use SHELL ALVANIA 3.

The following items are located at each side of the mast and are to be greased as stated above.

Raising leg pin.

Raising leg bearing.

Hinge pin.

Sheave bearing (mast raising line)

Sheave bearing (raising leg)

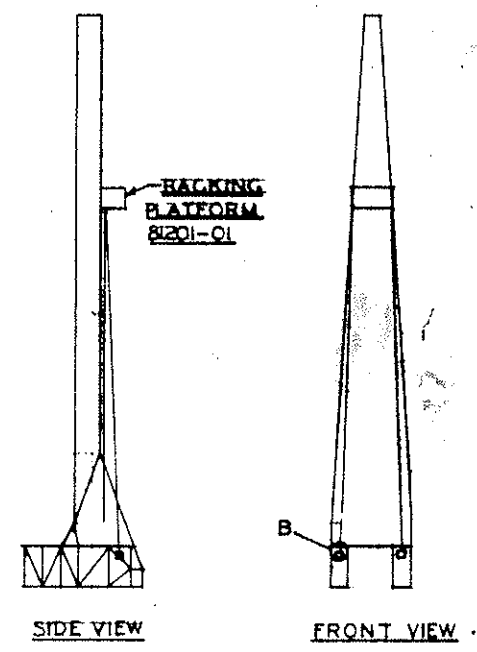
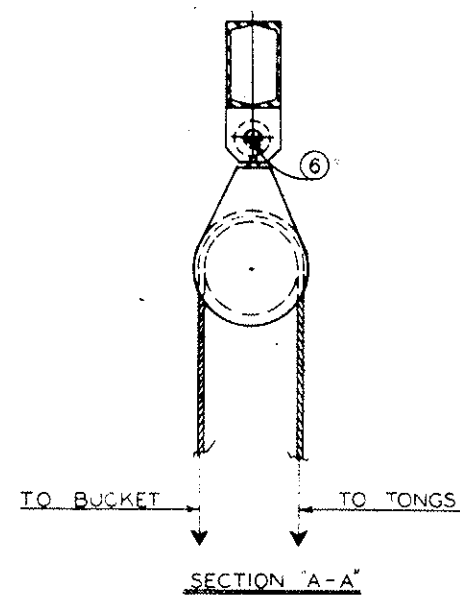
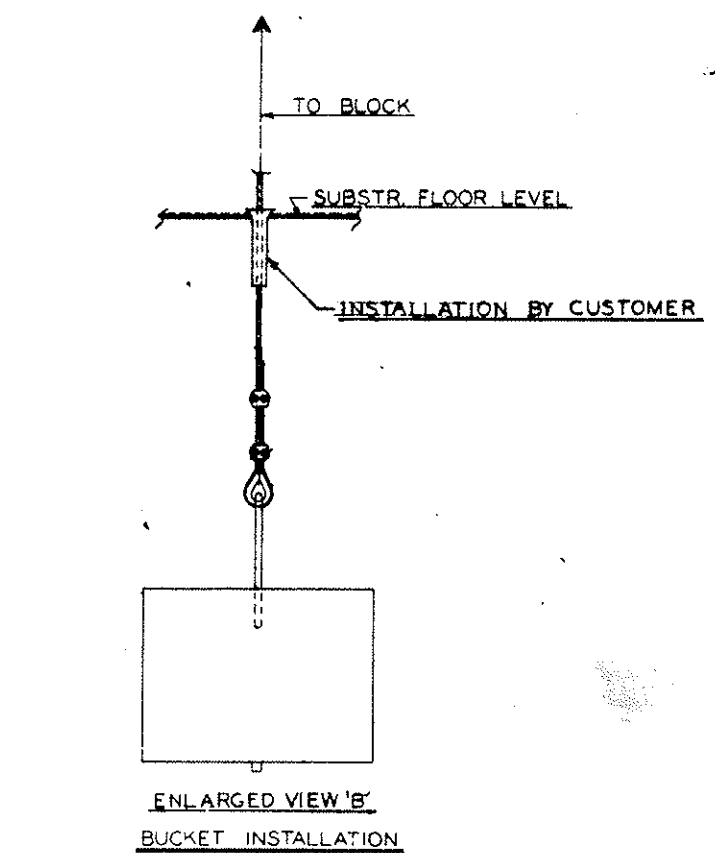
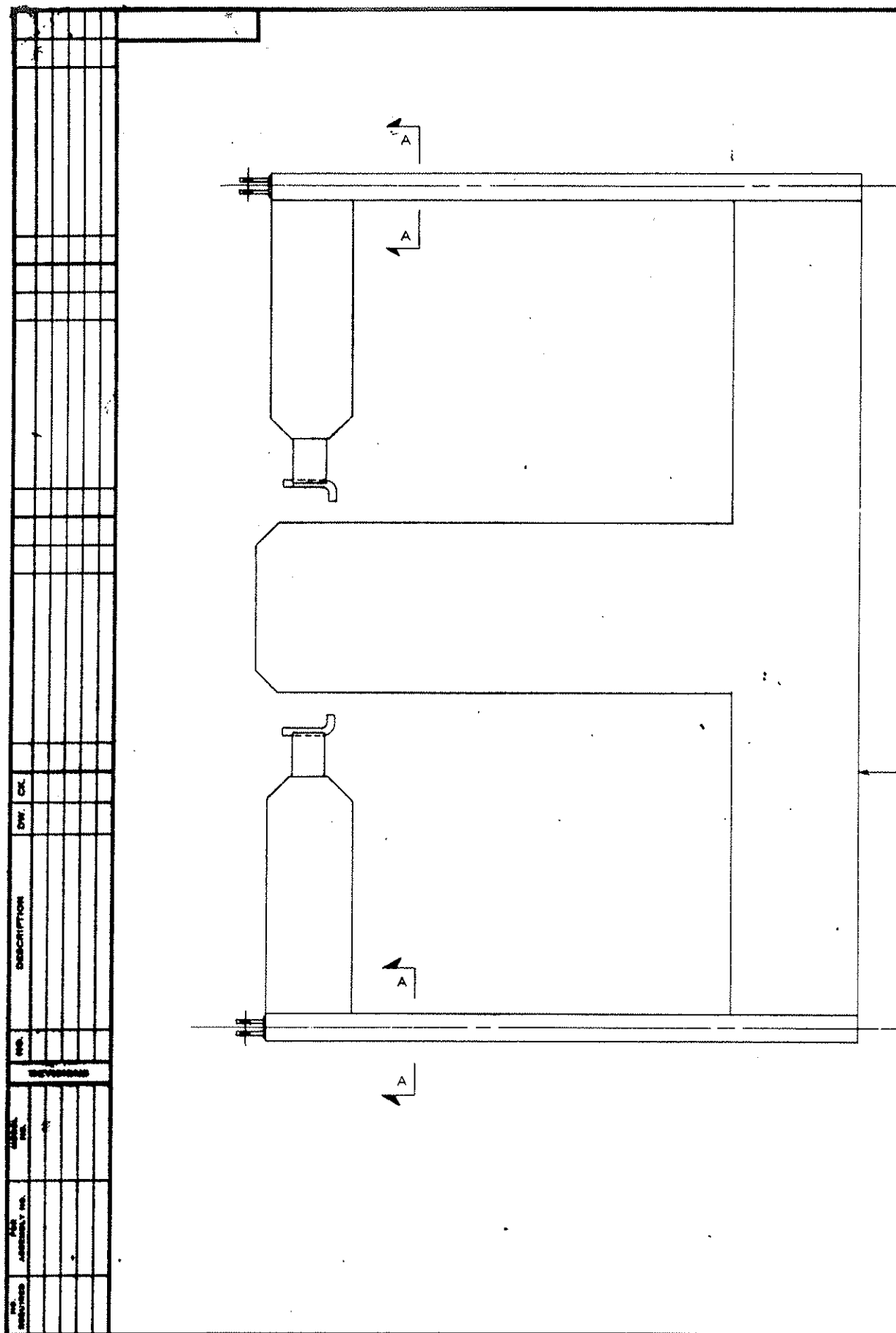
Latch pin.

Two sling line rollers are fitted to the mast, one on each of the two T1 sections. The bearings of the rollers must be OILED every 24 hours with an S.A.E. 30 oil.

Located near the head of the mast is the core line sheave and the catline sheave. Grease should be inserted into the bushes through lubricators provided every 24 hours.

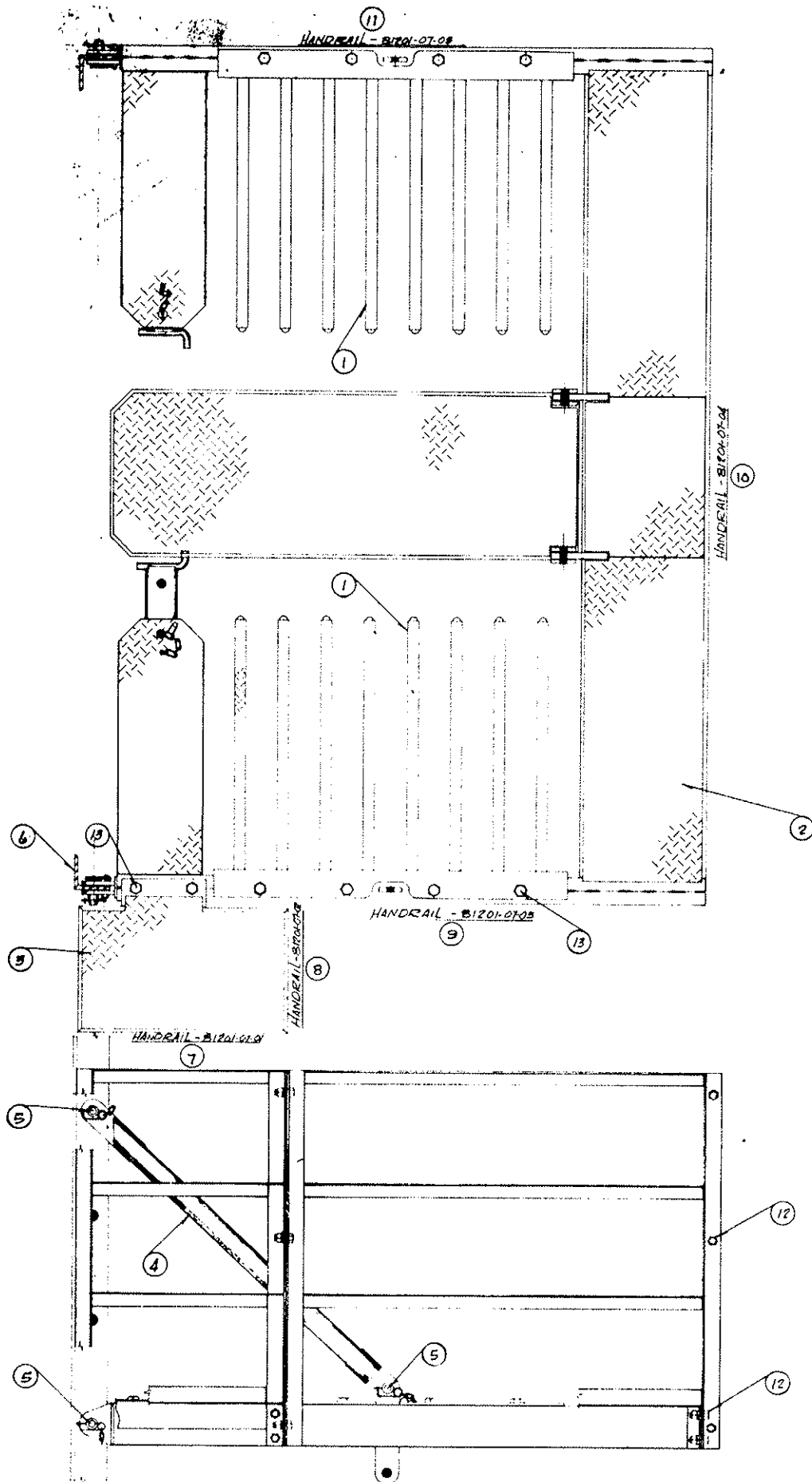
All wire ropes should be inspected monthly and if it is found necessary, are to be dressed manually with ACID FREE OIL or GREASE such as SHELL CARDIUM 'D' FLUID, after first removing dirt with a wire bursh. Care must be taken not to destroy the internal lubricant contained in the core of the ropes.

General service lubricant - SHELL ALVANIA 3 or equivalent.

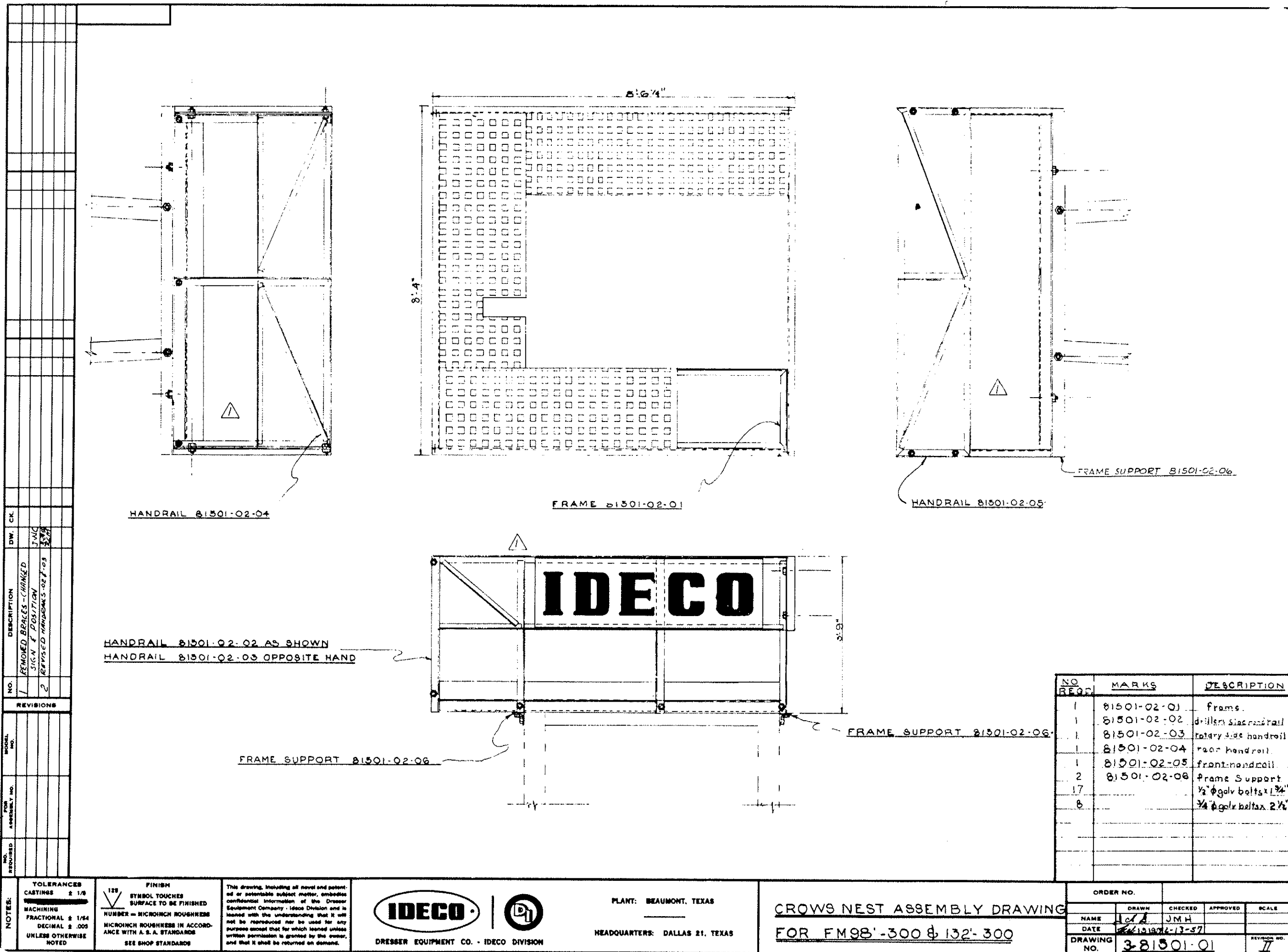


MATERIAL		
ITEM	ASSY MARK	DESCRIPTION
1	FM4-M59	TONG BUCKET ASSEMBLY
2	81501-15	HANGER BRACKET INSTALLATION

NOTES: TOLERANCES CASTINGS ± 1/16 FABRICATING ± 1/16 FRACTIONAL ± 1/64 DECIMAL ± .005 UNLESS OTHERWISE NOTED	FINISH SURFACES TO BE FINISHED NUMBER - MICROFINISH ROUGHNESS MICROFINISH ROUGHNESS IN ACCORDANCE WITH A.S.A. STANDARDS SEE SHOP STANDARDS	This drawing, including all novel and patented or patentable subject matter, embodies confidential information of the Dresser Equipment Company. It is loaned with the understanding that it will not be reproduced nor be used for any purpose except that for which loaned unless written permission is granted by the owner, and that it shall be returned on demand.		PLANT: BEAUMONT, TEXAS HEADQUARTERS: DALLAS 21, TEXAS	INSTALLATION OF TONG COUNTERWEIGHTS	ORDER NO. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NAME</td><td>ACT</td><td>CHECKED</td><td>APPROVED</td><td>DATE</td></tr> <tr> <td>DATE</td><td>3-27-58</td><td>3-27-58</td><td>3-27-58</td><td>3-27-58</td></tr> <tr> <td>DRAWING NO.</td><td colspan="4">3-81501-16</td></tr> </table>	NAME	ACT	CHECKED	APPROVED	DATE	DATE	3-27-58	3-27-58	3-27-58	3-27-58	DRAWING NO.	3-81501-16			
NAME	ACT	CHECKED	APPROVED	DATE																	
DATE	3-27-58	3-27-58	3-27-58	3-27-58																	
DRAWING NO.	3-81501-16																				



NO.	DESCRIPTION	QTY	UNIT	NO.	DESCRIPTION	QTY	UNIT
1	Handrail - B1201-07-08	1	EA	1	Handrail - B1201-07-08	1	EA
2	Handrail - B1201-07-08	1	EA	2	Handrail - B1201-07-08	1	EA
3	Handrail - B1201-07-08	1	EA	3	Handrail - B1201-07-08	1	EA
4	Handrail - B1201-07-08	1	EA	4	Handrail - B1201-07-08	1	EA
5	Handrail - B1201-07-08	1	EA	5	Handrail - B1201-07-08	1	EA
6	Handrail - B1201-07-08	1	EA	6	Handrail - B1201-07-08	1	EA
7	Handrail - B1201-07-08	1	EA	7	Handrail - B1201-07-08	1	EA
8	Handrail - B1201-07-08	1	EA	8	Handrail - B1201-07-08	1	EA
9	Handrail - B1201-07-08	1	EA	9	Handrail - B1201-07-08	1	EA
10	Handrail - B1201-07-08	1	EA	10	Handrail - B1201-07-08	1	EA
11	Handrail - B1201-07-08	1	EA	11	Handrail - B1201-07-08	1	EA
12	Handrail - B1201-07-08	1	EA	12	Handrail - B1201-07-08	1	EA
13	Handrail - B1201-07-08	1	EA	13	Handrail - B1201-07-08	1	EA



NO.	DESCRIPTION	DATE	BY	CHK.
1	REMOVED BRACES - CHANGED SIGN & POSITION	1/10/68	J.M.C.	
2	REVISED HANDRAILS 02-04 & 05	1/10/68	J.M.C.	

NO.	REVISIONS
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NO.	REVISIONS
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NO.	REVISIONS
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NO.	MARKS	DESCRIPTION
1	81501-02-01	Frame
1	81501-02-02	drill bit
1	81501-02-03	rotary side handrail
1	81501-02-04	rear handrail
1	81501-02-05	front handrail
2	81501-02-06	Frame Support
17		1/2" galv belts x 1 3/4"
8		3/4" galv belts x 2 1/4"

NOTES:	TOLERANCES CASTINGS ± 1/8 MACHINING FRACTIONAL ± 1/64 DECIMAL ± .005 UNLESS OTHERWISE NOTED	FINISH SYMBOL TOUCHES SURFACE TO BE FINISHED NUMBER = MICROINCH ROUGHNESS MICROINCH ROUGHNESS IN ACCORDANCE WITH A. S. A. STANDARDS SEE SHOP STANDARDS	This drawing, including all novel and patentable or potential subject matter, embodies confidential information of the Dresser Equipment Company - IDECO Division and is loaned with the understanding that it will not be reproduced nor be used for any purpose except that for which loaned unless written permission is granted by the owner, and that it shall be returned on demand.	PLANT: BEAUMONT, TEXAS HEADQUARTERS: DALLAS 21, TEXAS	CROWS NEST ASSEMBLY DRAWING FOR FM98'-300 & 132'-300	ORDER NO.			
						DRAWN	CHECKED	APPROVED	SCALE
						NAME	DATE		
						DRAWING NO.	3-81501-01	REVISION NO.	II

DRAWING NO. 4-81101-13	
NAME	DATE
RCM	11-20-57
DESIGN	REVISION
NO.	BY

CROWN BLOCK ASSEMBLY JUNIOR FULL VIEW MAST

PLANT BEAUMONT TEXAS
HEADQUARTERS DALLAS 21 TEXAS



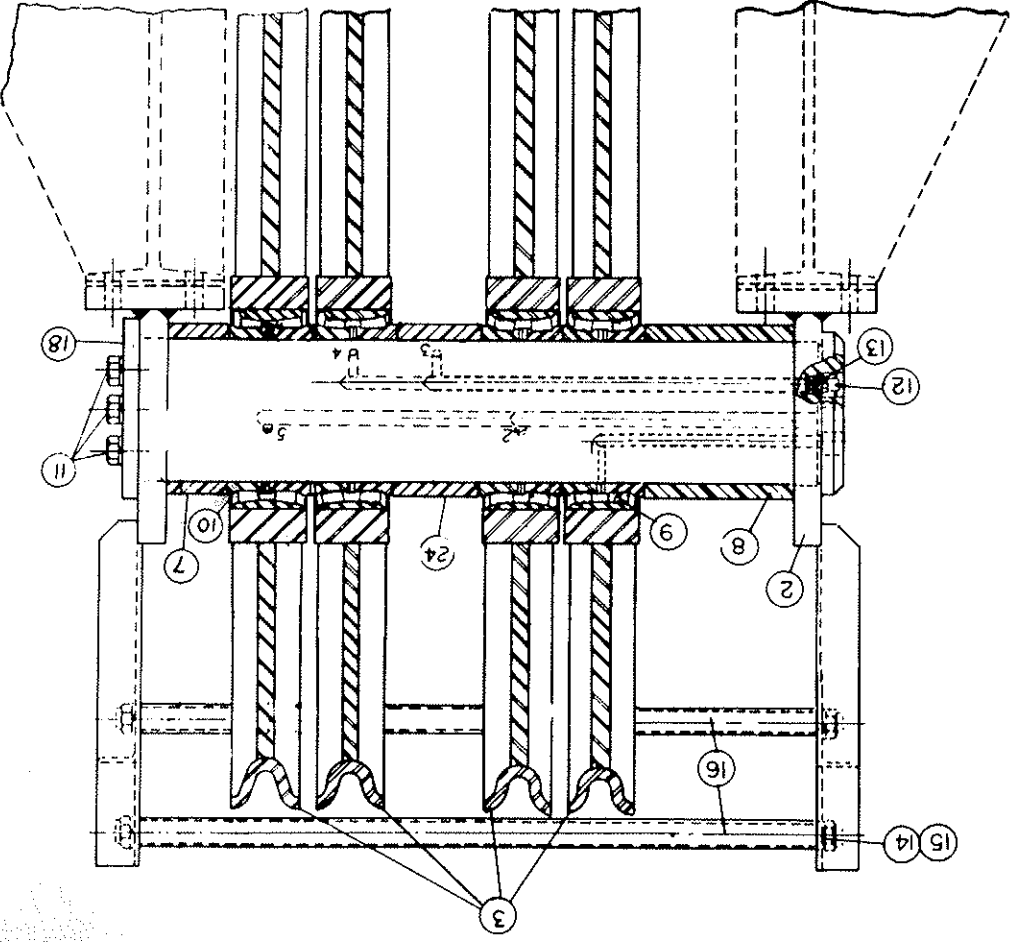
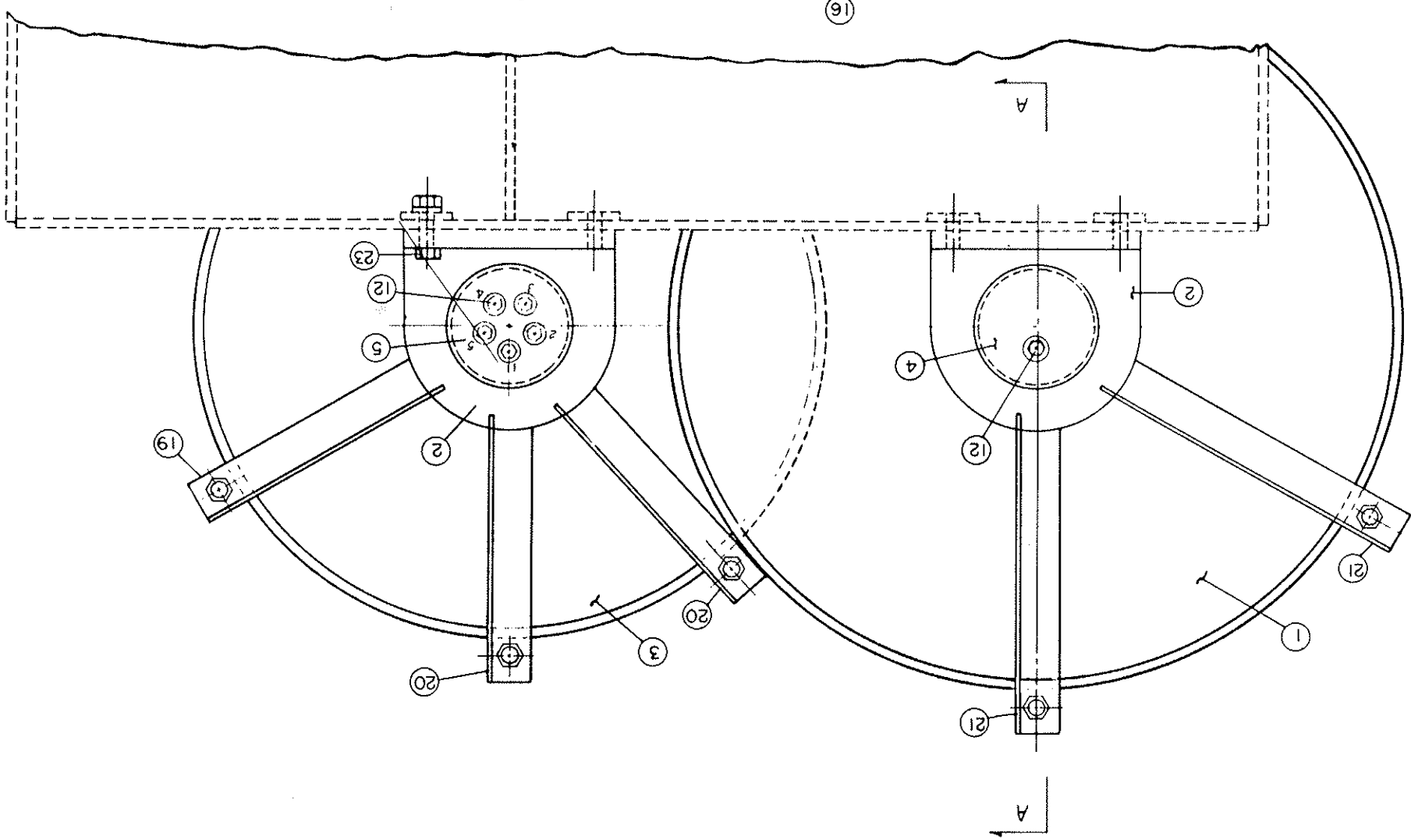
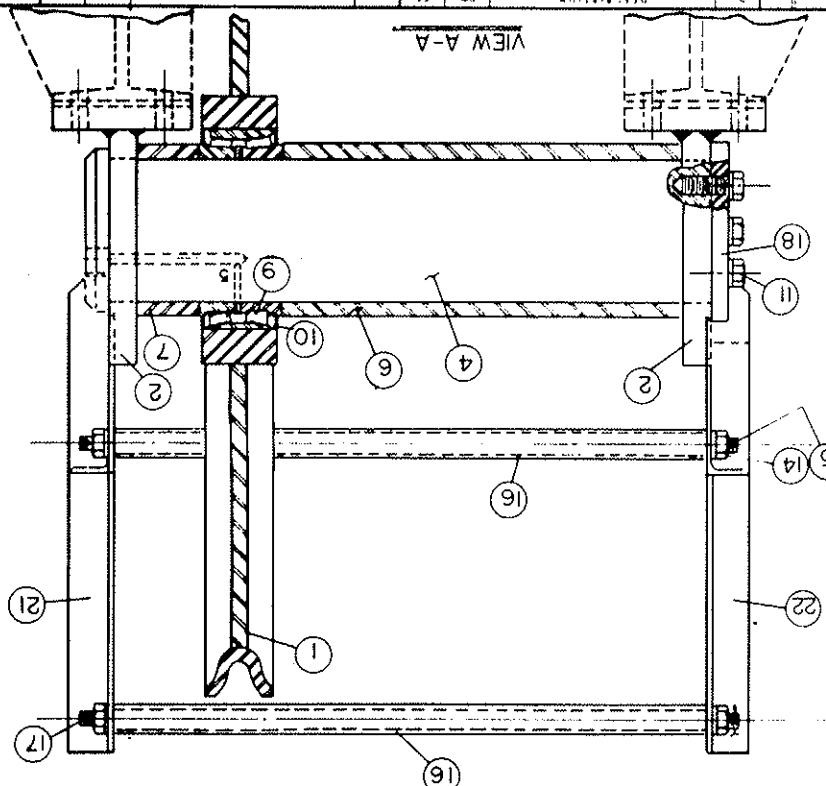
DESSENER EQUIPMENT CO. IDECO DIVISION
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1. ALL DIMENSIONS IN INCHES
2. LINE SIZES

STANDARD TOLERANCES
FRACTIONS DECIMALS
1/16 .0031
1/8 .0043
3/16 .0054
1/4 .0070
5/16 .0087
3/8 .0109
7/16 .0131
1/2 .0156
9/16 .0181
5/8 .0215
11/16 .0250
3/4 .0312
7/8 .0375
1 .0437
1 1/8 .0500
1 1/4 .0562
1 3/8 .0625
1 1/2 .0750
1 5/8 .0812
1 3/4 .0875
1 7/8 .0937
2 .1000

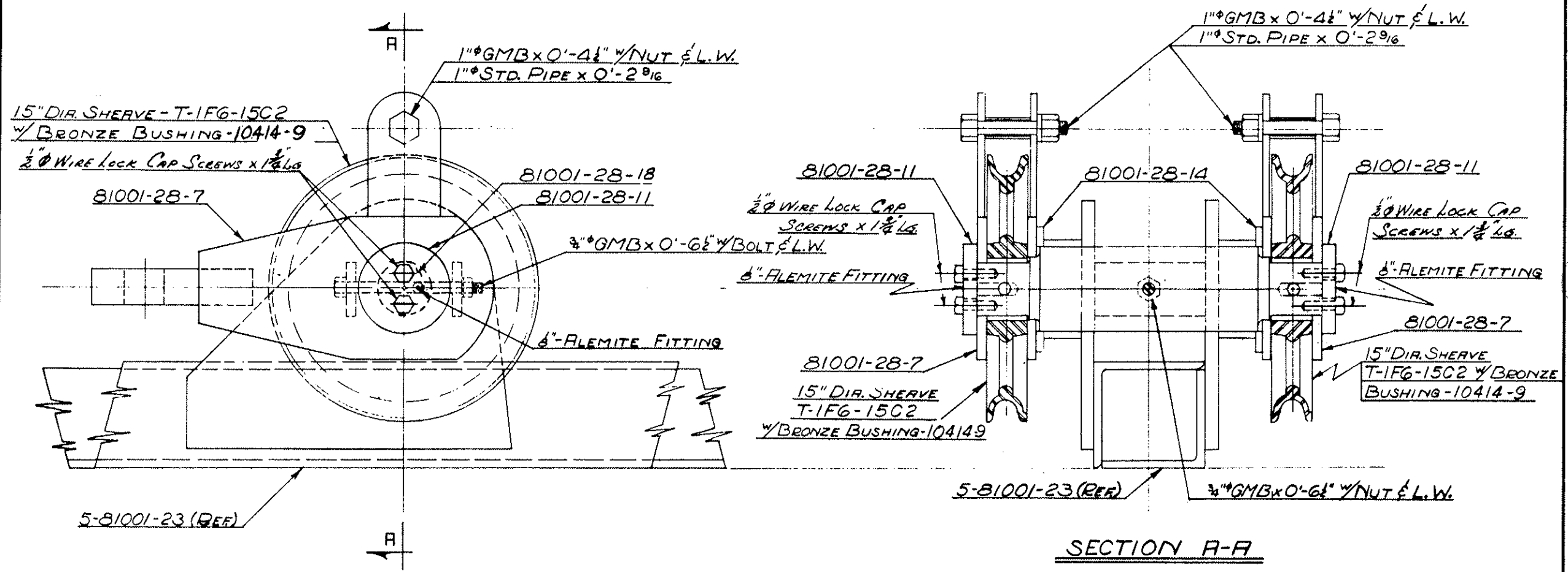
PART NO.	DESCRIPTION	QTY
1	BMT 1254-32 42" FABRIFORM SHEAVE - 18" W.L.	1
2	BMT 1254-02 DEAD EYE	4
3	BMT 1254-30 36" FABRIFORM SHEAVE - 18" W.L.	4
4	BMT 1254-16 FASTLINE SHAFT	1
5	BMT 1254-15 WORKING SHAFT	1
6	BMT 1254-20 SPACER	1
7	BMT 1254-06 SPACER	1
8	BMT 1254-07 SPACER	1
9	BMT 1254-07 SPACER	1
10	BMT 1254-07 SPACER	1
11	BMT 1254-07 SPACER	1
12	BMT 1254-07 SPACER	1
13	BMT 1254-07 SPACER	1
14	BMT 1254-07 SPACER	1
15	BMT 1254-07 SPACER	1
16	BMT 1254-07 SPACER	1
17	BMT 1254-07 SPACER	1
18	BMT 1254-07 SPACER	1
19	BMT 1254-07 SPACER	1
20	BMT 1254-07 SPACER	1
21	BMT 1254-07 SPACER	1
22	BMT 1254-07 SPACER	1
23	BMT 1254-07 SPACER	1
24	BMT 1254-07 SPACER	1

PART NO.	DESCRIPTION	QTY
1	BMT 1254-32 42" FABRIFORM SHEAVE - 18" W.L.	1
2	BMT 1254-02 DEAD EYE	4
3	BMT 1254-30 36" FABRIFORM SHEAVE - 18" W.L.	4
4	BMT 1254-16 FASTLINE SHAFT	1
5	BMT 1254-15 WORKING SHAFT	1
6	BMT 1254-20 SPACER	1
7	BMT 1254-06 SPACER	1
8	BMT 1254-07 SPACER	1
9	BMT 1254-07 SPACER	1
10	BMT 1254-07 SPACER	1
11	BMT 1254-07 SPACER	1
12	BMT 1254-07 SPACER	1
13	BMT 1254-07 SPACER	1
14	BMT 1254-07 SPACER	1
15	BMT 1254-07 SPACER	1
16	BMT 1254-07 SPACER	1
17	BMT 1254-07 SPACER	1
18	BMT 1254-07 SPACER	1
19	BMT 1254-07 SPACER	1
20	BMT 1254-07 SPACER	1
21	BMT 1254-07 SPACER	1
22	BMT 1254-07 SPACER	1
23	BMT 1254-07 SPACER	1
24	BMT 1254-07 SPACER	1



LOCATION OF IDLER SHERVES

T-1 SECTION



NOTES:	NO. REQUIRING	DATE APPROVED	ENGINEER NO.	NO.	DESCRIPTION	DW.	CK.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
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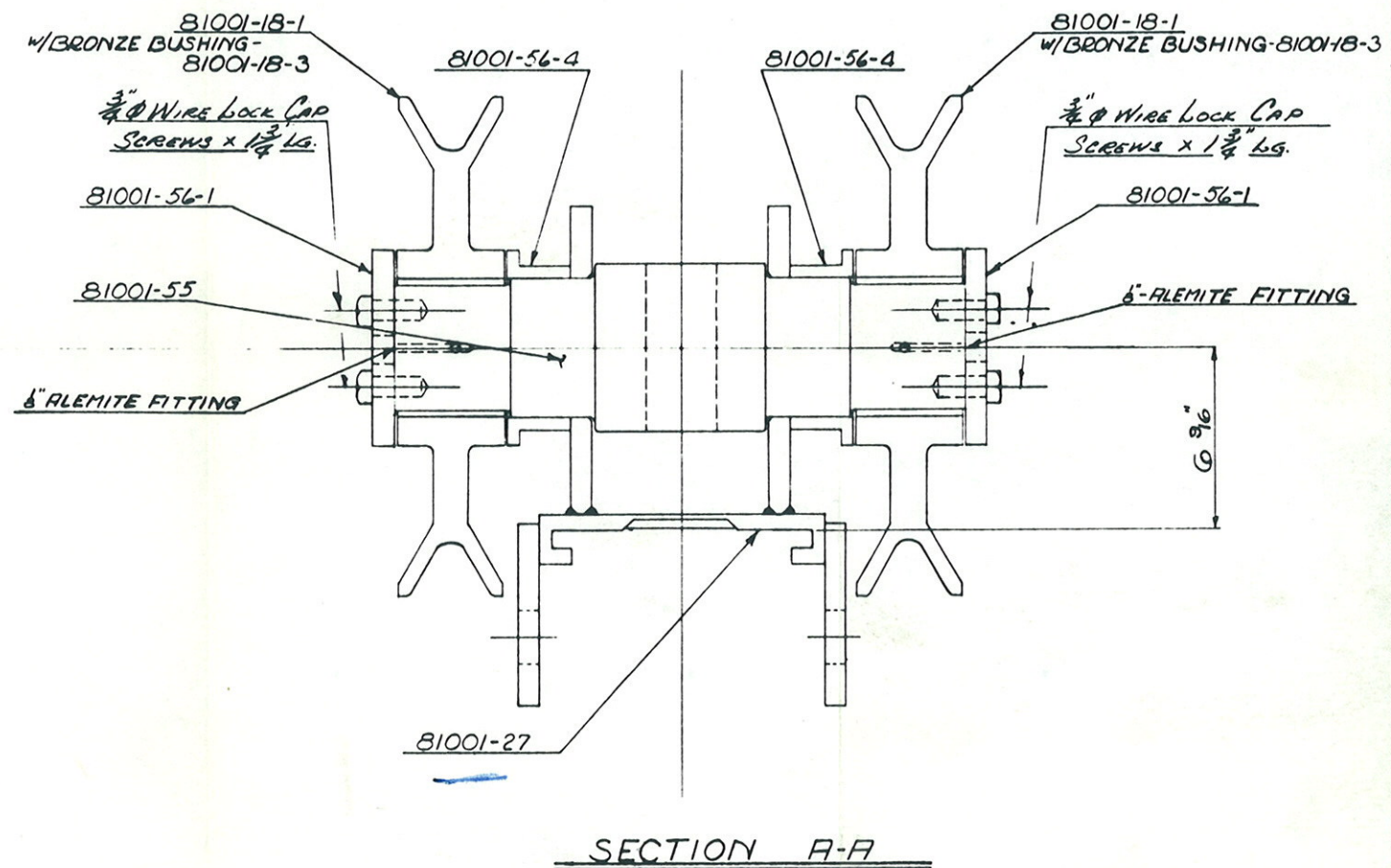
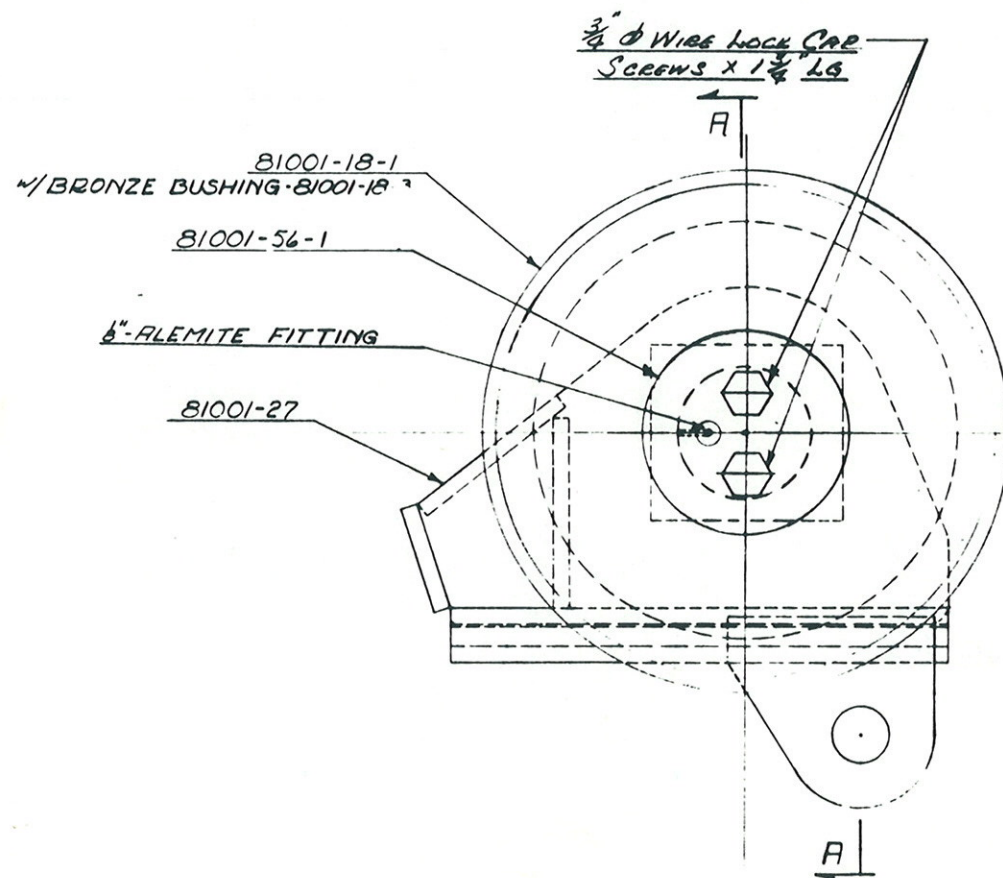


ORDER NO.			
DRAWN	CHECKED	APPROVED	SCALE
NAME			
DATE	2-15-57		
DRAWING NO.	3-81001-54		

NOTES:

TOLERANCE

MACHINING
FRACTIONAL $\pm$ _____
DECIMAL $\pm$ _____
UNLESS OTHERWISE
NOTED



NOTES:

TOLERANCE

MACHINING
FRACTIONAL $\pm$ _____
DECIMAL $\pm$ _____
UNLESS OTHERWISE
NOTED

TOLERANCES
MACHINING
FRACTIONAL $\pm 1/64$
DECIMAL $\pm .005$
UNLESS OTHERWISE
NOTED

FINISH

128


**SYMBOL TOUCHES
SURFACE TO BE FINISHED**

NUMBER = MICROINCH ROUGHNESS

**MICROINCH ROUGHNESS IN ACCORD-
ANCE WITH A. S. A. STANDARDS**

SEE SHOP STANDARDS

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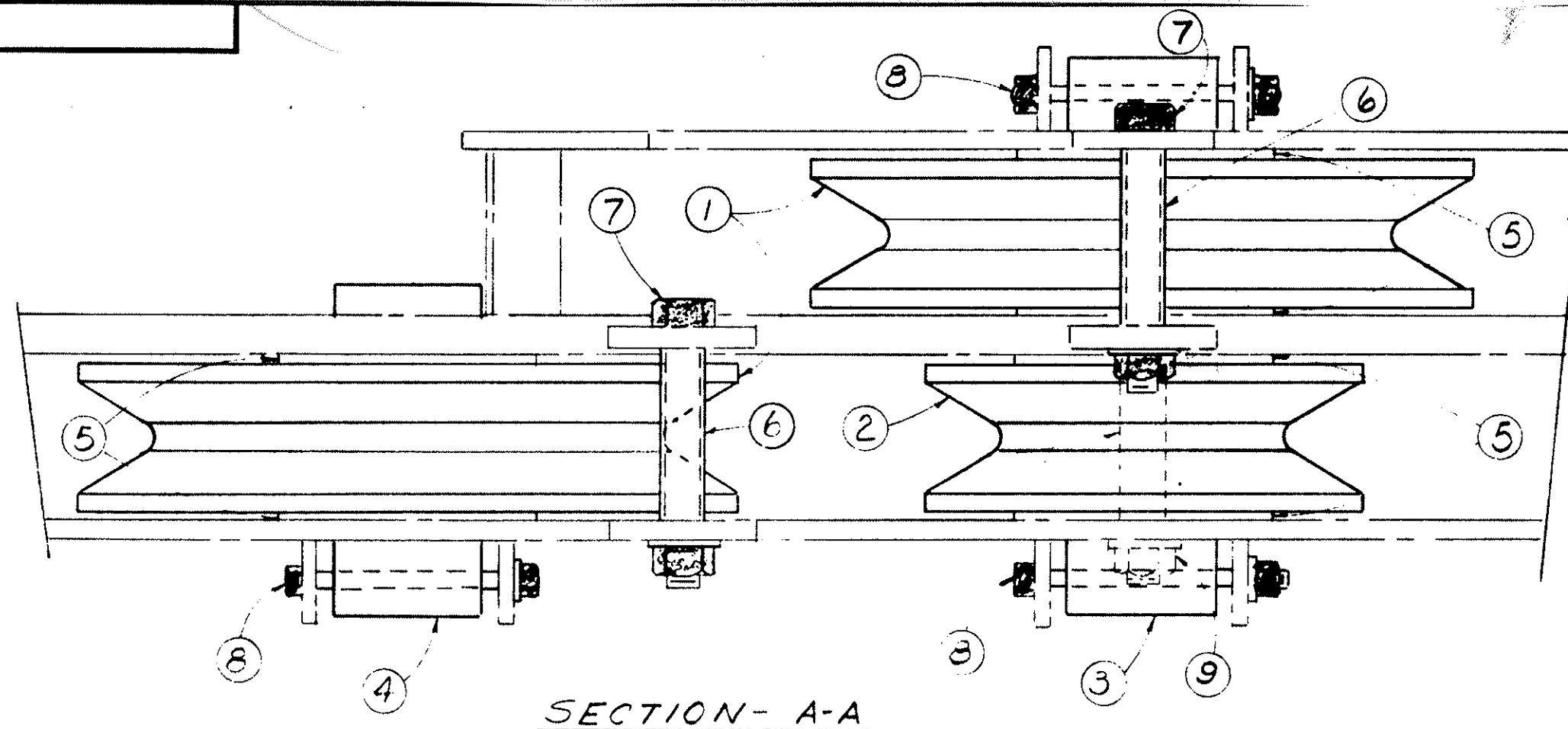
DRESSER EQUIPMENT CO. • IDECO DIVISION

PLANT: BEAUMONT, TEXAS

HEADQUARTERS: DALLAS 21, TEXAS

ASSEMBLY DRAWING OF
RAISING LEG SHOE
132' FULL VIEW MAST

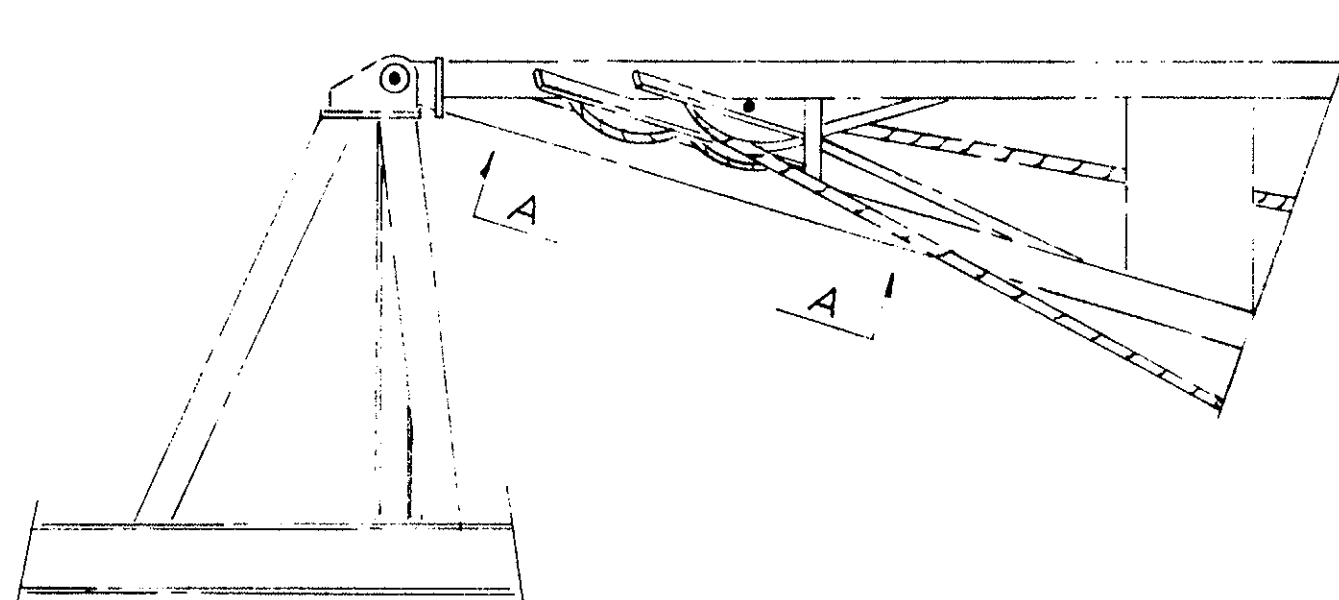
ORDER NO.				
	DRAWN	CHECKED	APPROVED	SCALE
NAME	BALDWIN			3"=1'-0"
DATE	2-11-57			
DRAWING NO.	3-81001-57			REVISION NO.



SECTION-A-A

* BILL OF MATERIAL			
ITEM	SHIP MK.	QUAN	DESCRIPTION
1	81001-18-01	4	18" ϕ SHEAVE
2	81001-19-01	2	12" ϕ SHEAVE
3	81001-20-01	2	4" ϕ SHAFT
4	81001-20-02	2	4" ϕ SHAFT
5	81001-19-02	12	BRONZE THRUST WASH.
6	81001-21-10	10	LINE GUARD
7		8	1" ϕ x 7" LG. G. w/ H.N. & L.W.
8		6	3/4" ϕ x 7" LG. G. w/ H.N. & L.W.
9		2	1" ϕ x 6" LG. G. w/ H.N. & L.W.

* FOR ONE COMPLETE MAST



VISIONS

TOLERANCES

ACHINING
FRACTIONAL $\pm 1/64$
DECIMAL $\pm .005$
UNLESS OTHERWISE
NOTED

FINISH
125
SYMBOL TOUCHES
SURFACE TO BE FINISHED
NUMBER - MICROINCH ROUGHNESS
MICROINCH ROUGHNESS IN ACCORD-
ANCE WITH A. S. A. STANDARDS
SEE SHOP STANDARDS

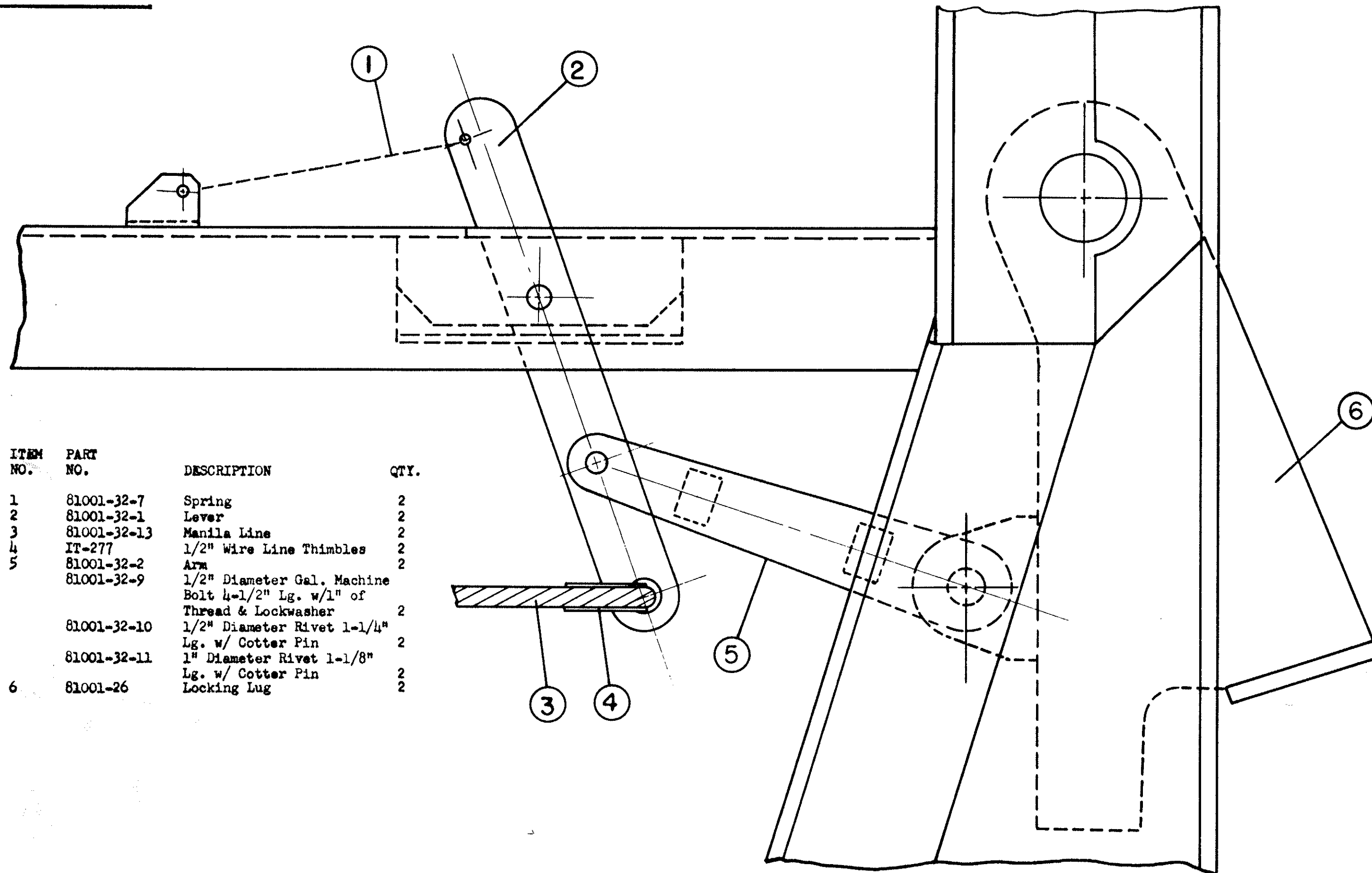
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DRESSER EQUIPMENT CO. - IDECO DIVISION
PLANT: BEAUMONT, TEXAS
HEADQUARTERS: DALLAS 21, TEXAS

ASSEMBLY OF MAST
RAISING SHEAVES
FOR 98' & 132' JR. F.V.

ORDER NO.				
NAME	DRAWN	CHECKED	APPROVED	SC.
DATE	11-19-57	11-20-57		
DRAWING NO.	2-81001-59			



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	81001-32-7	Spring	2
2	81001-32-1	Lever	2
3	81001-32-13	Manila Line	2
4	IT-277	1/2" Wire Line Thimbles	2
5	81001-32-2	Arm	2
	81001-32-9	1/2" Diameter Gal. Machine Bolt 4-1/2" Lg. w/1" of Thread & Lockwasher	2
	81001-32-10	1/2" Diameter Rivet 1-1/4" Lg. w/ Cotter Pin	2
	81001-32-11	1" Diameter Rivet 1-1/8" Lg. w/ Cotter Pin	2
6	81001-26	Locking Lug	2

IONS

TOLERANCES

CASTINGS ± 1/32
MACHINING ± 1/64

FINERY ITEMS
CASTINGS ± 1/32
MACHINING ± 1/64
DECIMAL ± .005
SS OTHERWISE
NOTED

125 FINISH
SYMBOL TOUCHES
SURFACE TO BE FINISHED
NUMBER — MICROINCH ROUGHNESS
MICROINCH ROUGHNESS IN ACCORD-
ANCE WITH A. S. A. STANDARDS
SEE SHOP STANDARDS

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and that it shall be returned on demand.



PLANT: BEAUMONT, TEXAS
HEADQUARTERS: DALLAS 21, TEXAS

LOCKING MECHANISM FOR 98' AND 132' JFV MAST

ORDER NO.

NAME	DRAWN	CHECKED	APPROVED	SC
DATE	11-17-59	11-17-59	11-17-59	
DRAWING NO.	2-81001-61			
REVIS				