

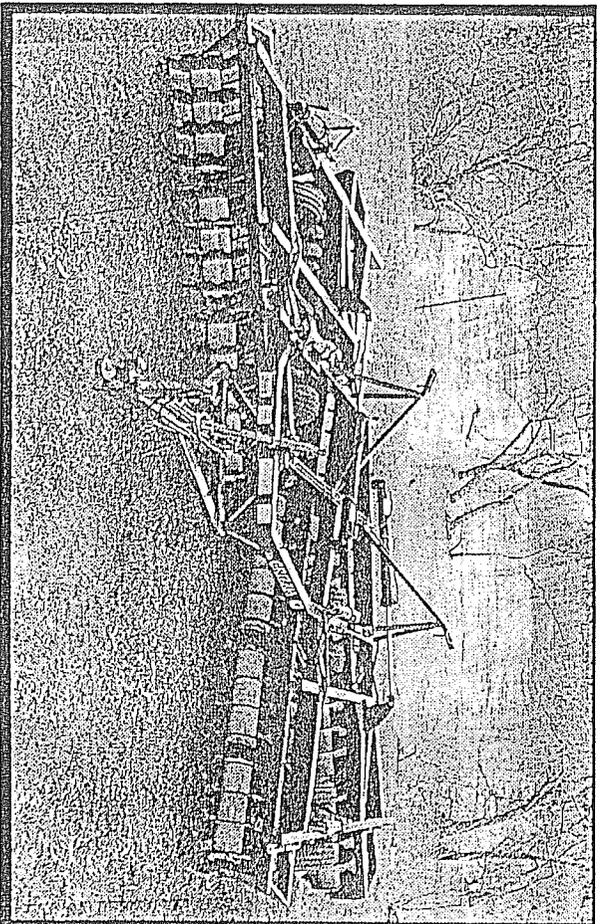
CRIZZLY

SPARE PARTS

MANUAL

"S" SERIES FOLDING WING

108 PLATE



2

"S" SERIES FW100 PLATE

CONTENTS

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1		SPECIFICATIONS - GANG BOLTS - GANG AXLES - PULL TONGUES - TOOL KITS	1
2	GAG100	ASSEMBLY KIT	3
3	GCG100	MAIN FRAME	5
4	GCG100W	WING FRAME RIGHT	7
5	GHGA0001	PULL ASSEMBLY	9
6	GPB00000	PULL TONGURE & SIDE PLATES	11
7	S100FBE	FOLDING SYSTEM	13
8	S8005	H70 WHEEL ASSEMBLY	15
9	WMNAA740	H70 HUB & STUB ASSY 11.00 DUALS	17
10	GJGA0001	WHEEL LIFT ASSEMBLY LEFT	19
11		WHEEL LIFT SIDE PLATE ASSEMBLY	21
12	S80G1	GANG FRAME NO.1	23
13	S80G2	GANG FRAME NO.2	25
14	S80G4	GANG FRAME NO.4	27
15	S48G2	GANG AND BEARING HOUSING DETAIL	29
16	GFFAA210	SCRAPER ASSEMBLY LEFT	31
17	SFPULL	"S" LEVELING SYSTEM OPTIONS	33
18	GDFE0000	HYDRAULIC PITCH CONTROL/LEVELING ROD	35
19	S100FJ	FLANGE ASSEMBLY M/FRAME	37
20	HFGA6100	HYDRAULIC KIT	39
21		* CHANGES	40

"S" SERIES FW100 PLATE

SPECIFICATIONS

WIDTH-11.4M (37'6") WEIGHT-9200KG (20282LBS) HORSE POWER-300+
 TYRE SIZE-11.00X16 NUMBER OF TYRES-8 TRANSPORT WIDTH 5.5M (18')

GANG AXLES USED

GANG BOLTS USED

PULL TONGUES AVAILIABLE

NO. OF DISC	PART NO.		NO. OF DISC	PART NO. M20	PART NO.	HOLE SIZE MM	THICKNESS MM	TYPE
	2 HOLES	1 HOLES						
3	MJAMA707A	MJAMA688	3	FAAJA550	GPBAA000	28	50	FLOPPY
4	MJAMA944A	MJAMA925A	4	FAAJA790	GPBAB000	28	50	SWIVEL
5	MJAMB181A	MJAMB162A	5	FAAJB020	GPEBA000	40	70	FLOPPY
6	MJAMB418A	MJAMB399A	6	FAAJB260	GPEBB000	40	70	SWIVEL
7	MJAMB655A	MJAMB636A	7	FAAJB490	GPDCA000	50	100	FLOPPY
8	MJAMB892A	MJAMB873	8	FAAJB730	GPDCB000	50	100	SWIVEL

<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
CHAGH000	DISC LOCK SPANNER	1
CHCFG000	LEVELING SYSTEM SPANNER	1
GNAJG000	FOLDING GANG ADJUST BLOCK	2
TFCBSP00	24MM & 30MM TOOL ASSEMBLY	1

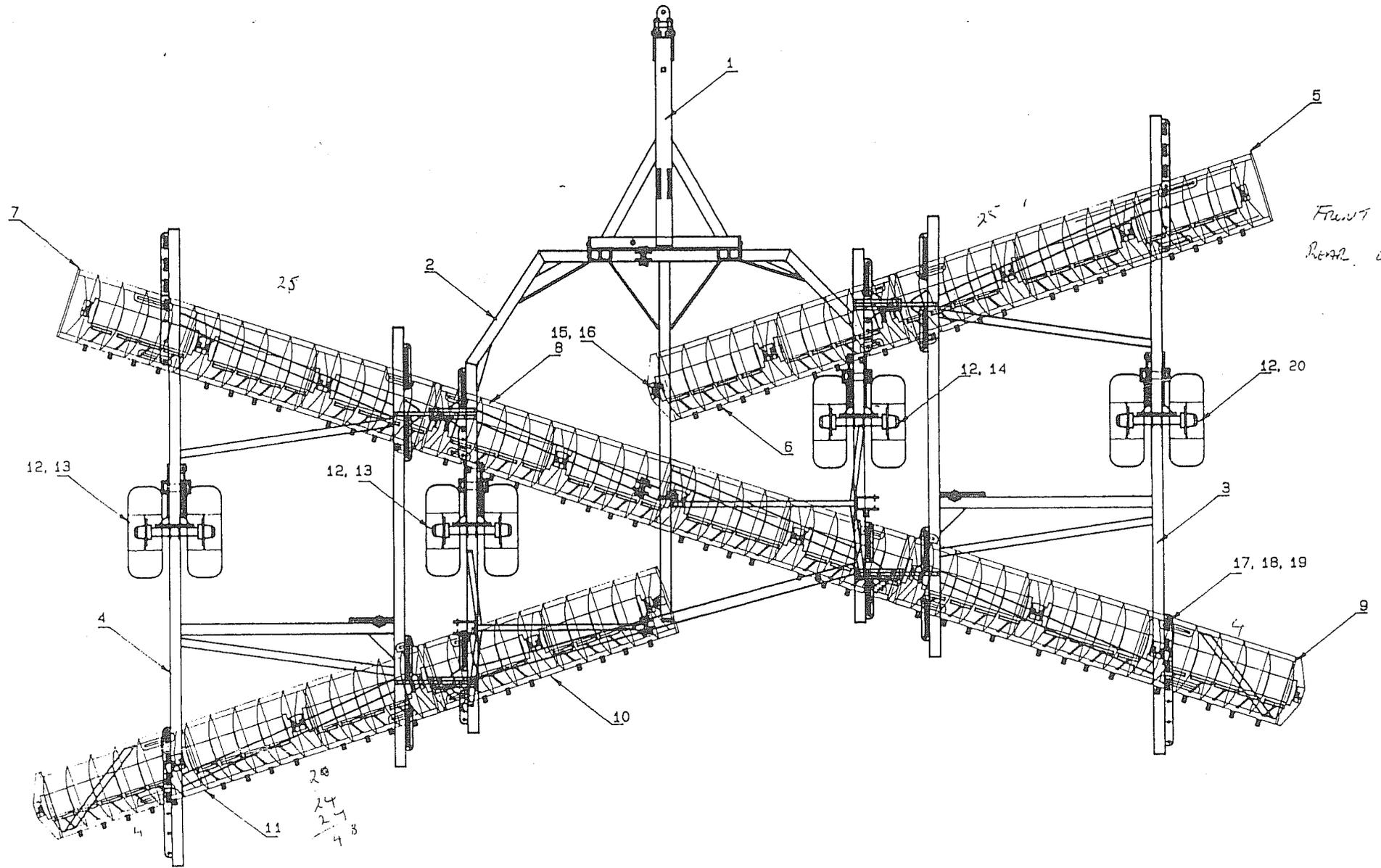
OPTION
 GDGAA000 SWIVEL WHEELS (FOLDING WINGS)

"S" SERIES FW100 PLATE

ASSEMBLY KIT - GAG100

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GHGA0001	PULL ASSEMBLY	1
2	GCG100	MAIN FRAME	1
3	GCG100W	WING RIGHT	1
4	GCG100W	WING LEFT	1
5	S100G1	GANG NO.1	1
6	S100G2	GANG NO.2	1
7	S100G3	GANG NO.3	1
8	S100G4	GANG NO.4	1
9	S100G5	GANG NO.5	1
10	S100G6	GANG NO.6	1
11	S100G7	GANG NO.7	1
12	* WMNAA740	H70 HUB & STUB ASSY 11.00X16 DUALS	4
13	GJGA0001	WHEEL LIFT ASSEMBLY LEFT	2
14	GJGA0002	WHEEL LIFT ASSEMBLY RIGHT	2
15	FABKA075	BOLT M24	3
16	FFBKA000	NUT NYLOC M24	3
17	FABJA075	BOLT M20	24
18	FFBJA000	NUT NYLOC M20	24
19	FMDJJN00	SQ/WASHER 20 ID X 50 OD	48
20	GJGA0003	WHEEL LIFT ASSY(RIGHT WING ONLY) WITH HELPER RAM	1

NOTE: * CHANGE HAS BEEN MADE. REFER TO MASTER FILE



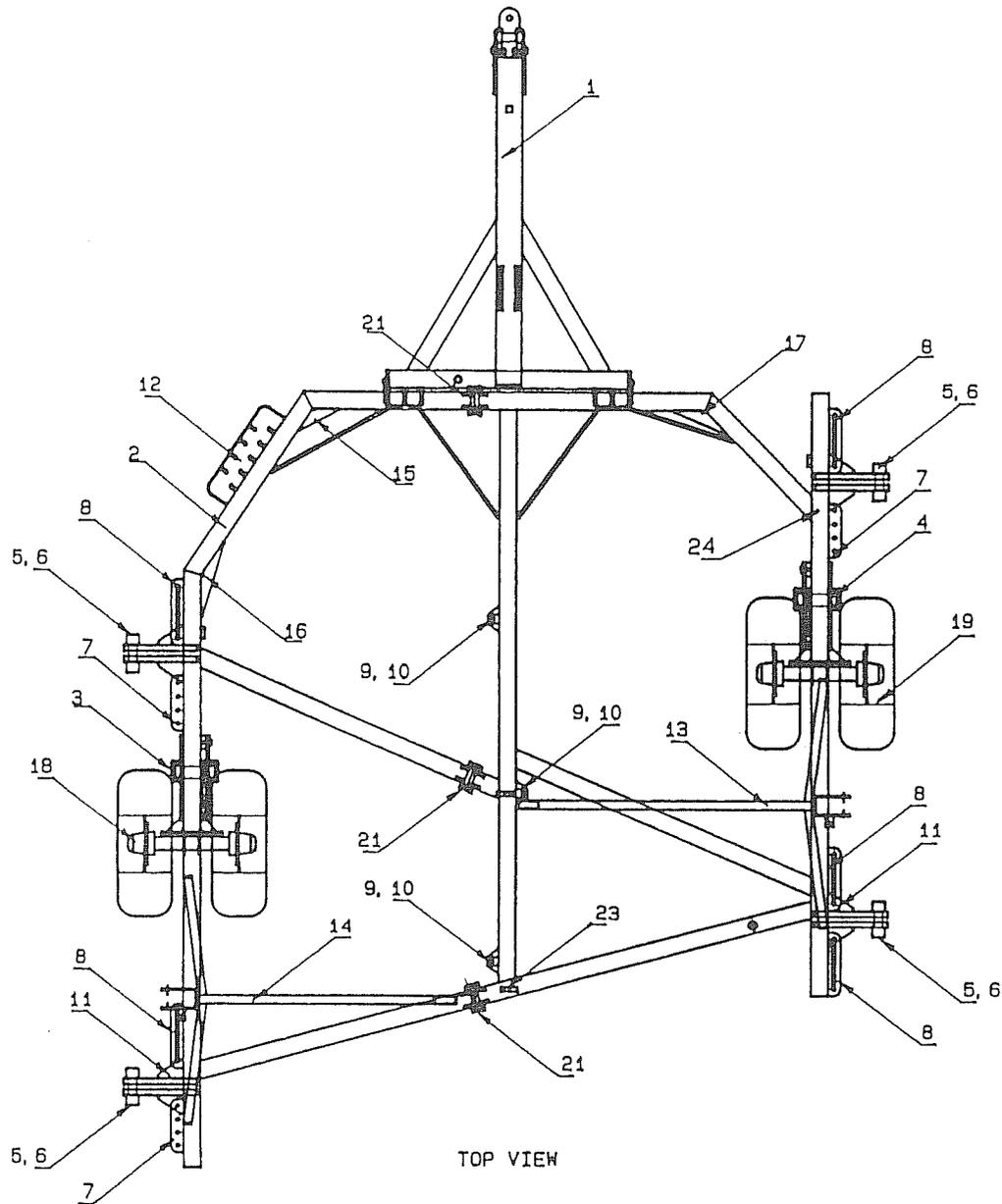
GRIZZLY ENGINEERING PTY. LTD			
TITLE: S100 ASSEMBLY KIT			
PART NO. -----			
SCALE: 1: 37	DATE: 7-9-89	DRG NO: GAG100	

"S" SERIES FW100 PLATE

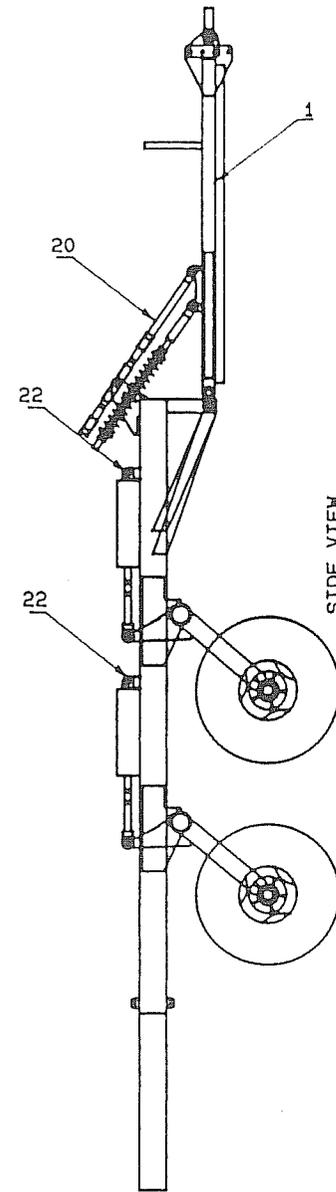
MAIN FRAME - GCG100

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GHGA0001	PULL ASSEMBLY	1
2	GCG100	MAIN FRAME	1
3	GJGA0001	WHEEL LIFT ASSEMBLY LEFT	1
4	GJGA0002	WHEEL LIFT ASSEMBLY RIGHT	1
5	CGBGP002	HINGE PLATE	8
6	MFMJ060A	HINGE PIN COLLAR	8
7	LBDJA230	SERIES OF HOLE 230MM	3
8	LADJA300	SLOT 300MM	5
9	MAHJA070A	PIVOT PLATE	3
10	CJAZE002	PIVOT PLATE GUSSET	6
11	CABGG004	HINGE PLATE GUSSET	8
12	GNBHF000	TOOL BOX	1
13	GNBKG003	WING SUPPORT RIGHT	1
14	GNBKG004	WING SUPPORT LEFT	1
15	CABGH006	MAIN FRAME GUSSET	2
16	CABGH004	MAIN FRAME GUSSET	2
17	CABGH000	MAIN FRAME GUSSET	2
18	* WMNAA740	H70 HUB & STUB ASSY 11.00 DUALS	2
19	* WSMEEC00	H70 RIM & TYRE ASSY 11.00X16 12PLY	4
20	GDFE0000	LEVELING SYSTEM	1
21	CGBGU000	FRAME FLANGE ASSEMBLY	3
22	CBBHM001	RAM LUG	2
23	CBBGM003	WING LIFT RAM LUG	2
24	GNBEF000	DEPTH GAUGE	1

NOTE: * CHANGE HAS BEEN MADE. REFER MASTER FILE.



TOP VIEW



SIDE VIEW

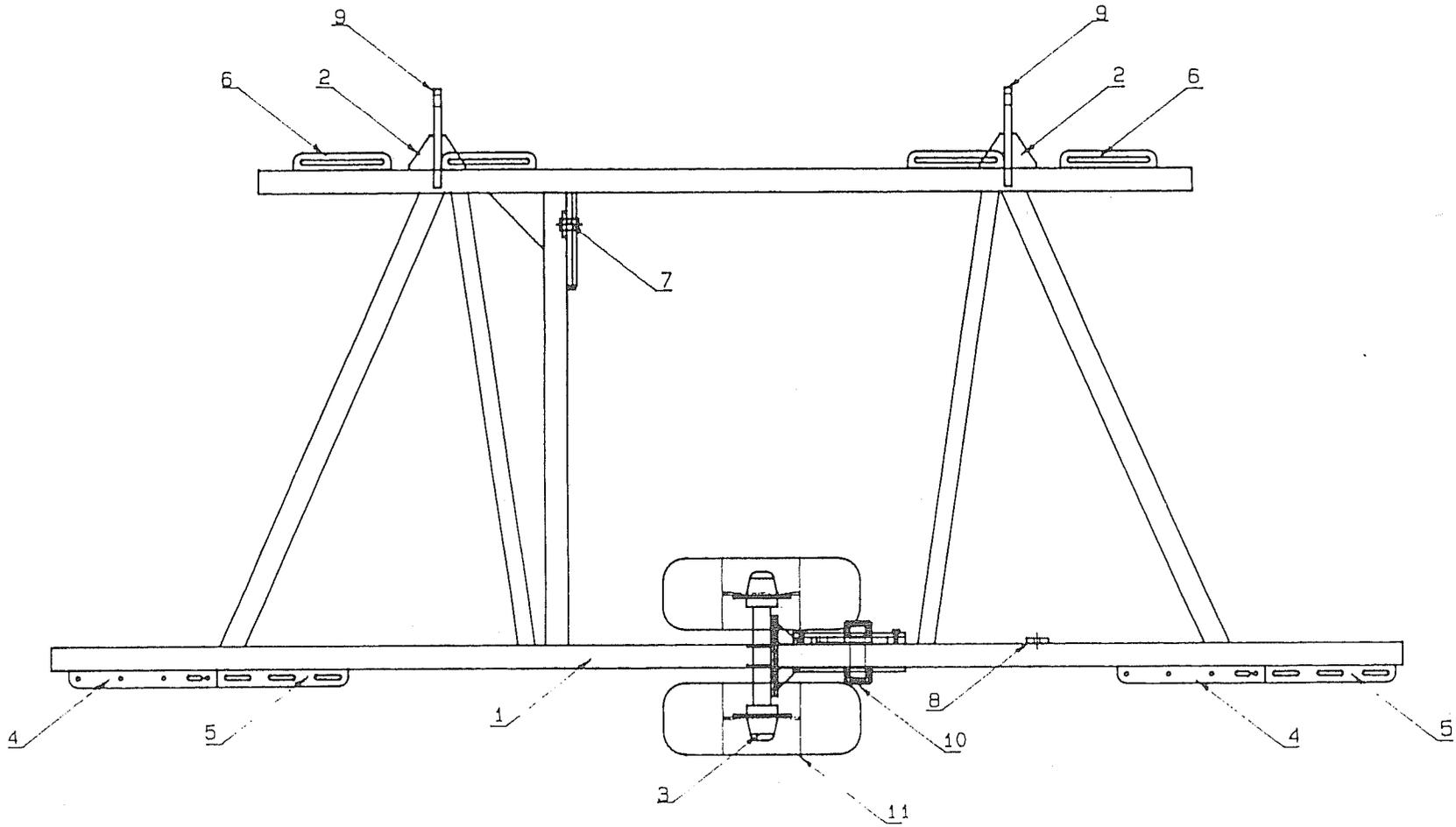
GRIZZLY ENGINEERING PTY. LTD			
TITLE: S100 MAIN FRAME			
PART NO. ----			
SCALE: 1: 31.126	DATE: 2-7-90	ORG. NO: S100MFD	

"S" SERIES FW100 PLATE

WING FRAME ASSEMBLY RIGHT - GCG100W

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GCG100W	WING FRAME RIGHT	1
2	CABGG004	HINGE PLATE GUSSET	4
3	* WMNAA740	H70 HUB & STUB ASSY 11.00 X 16	2
4	LBDJA570	SERIES OF HOLES 570MM	2
5	LADJA600	SLOT 600MM	2
6	LADJA350	SLOT 350MM	4
7	CBBGM000	WHEEL LIFT ARM	1
8	CBBHM001	RAM LUG	2
9	CGBGP002	WING HINGE	2
10	GJGA0003	WHEEL LIFT ASSEMBLY RIGHT WITH HELPER RAM	1
11	* WSMEEB00	H70 RIM & TYRE ASSY 11.00X16 8PLY	2

NOTE: * CHANGE HAS BEEN MADE. REFER TO MASTER FILE.
GJGA0001 WHEEL LIFT ASSEMBLY FITTED TO LEFT
WING

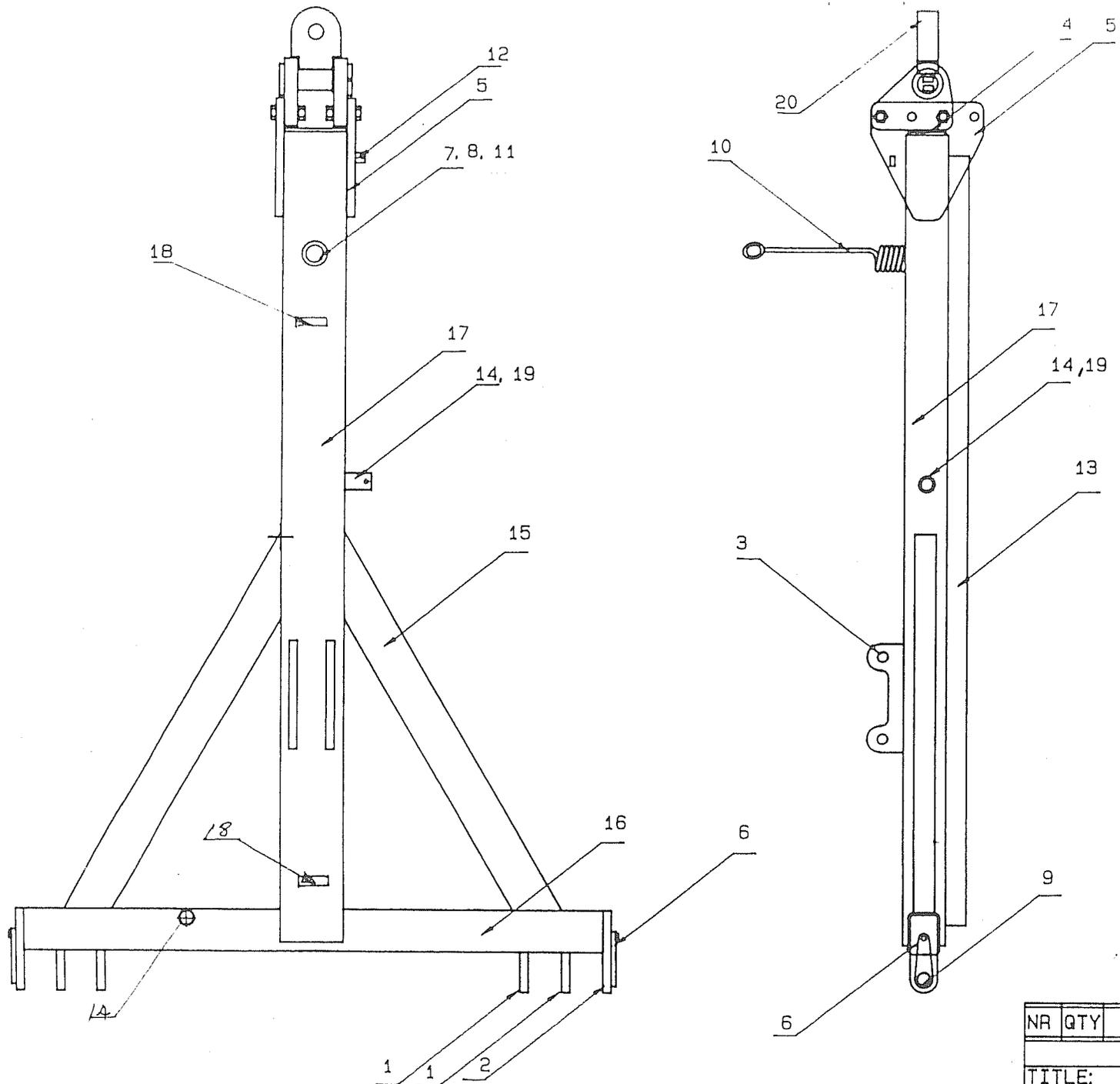


GRIZZLY ENGINEERING PTY. LTD			
TITLE: S100 RIGHT WING.			
PART NO. ----			
SCALE: 1:21	DATE: 8-9-89	DRG NO: S100RW	

"S" SERIES FW100 PLATE

PULL ASSEMBLY - GHGA0001

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	CBCFJ000	PULL BACK LUG	4
2	CBCFJ001	OUTER PULL LUG	2
3	CBCFJ002	LEVEL LUG PULL	2
4	CFBFE000	END CAP	1
5	CGCFJ000	PULL SIDE PLATE	2
6	FABGA025	BOLT M12	2
7	FABJA045	BOLT M20	1
8	FFBJA000	NUT NYLOC M20	1
9	FGBPA235	PIN 31.75	2
10	FHKNA440	HOSE HOLDER (SPRING)	1
11	FMAJE000	F/WASHER 20 ID X 41 OD	2
12	MAEEA025A	FLAT 25 X 10	1
13	MAEHB950	FLAT 50 X 10	2
14	MECFA065A	PIPE	2
15	MHHGB050	RHS 102 X 51 (1050MM)	2
16	MHHHB400	RHS 102 X 76 (1400MM)	1
17	MHKPB950	RHS 152 X 102 (19.50MM)	1
18	HJBHA000	BASE PLATE - 3/4 HYD CLAMP	2
19	GKFE0000	PARKING JACK	1
20	GPEBA000	PULL TONGUE 40 X 70 FLOPPY	1

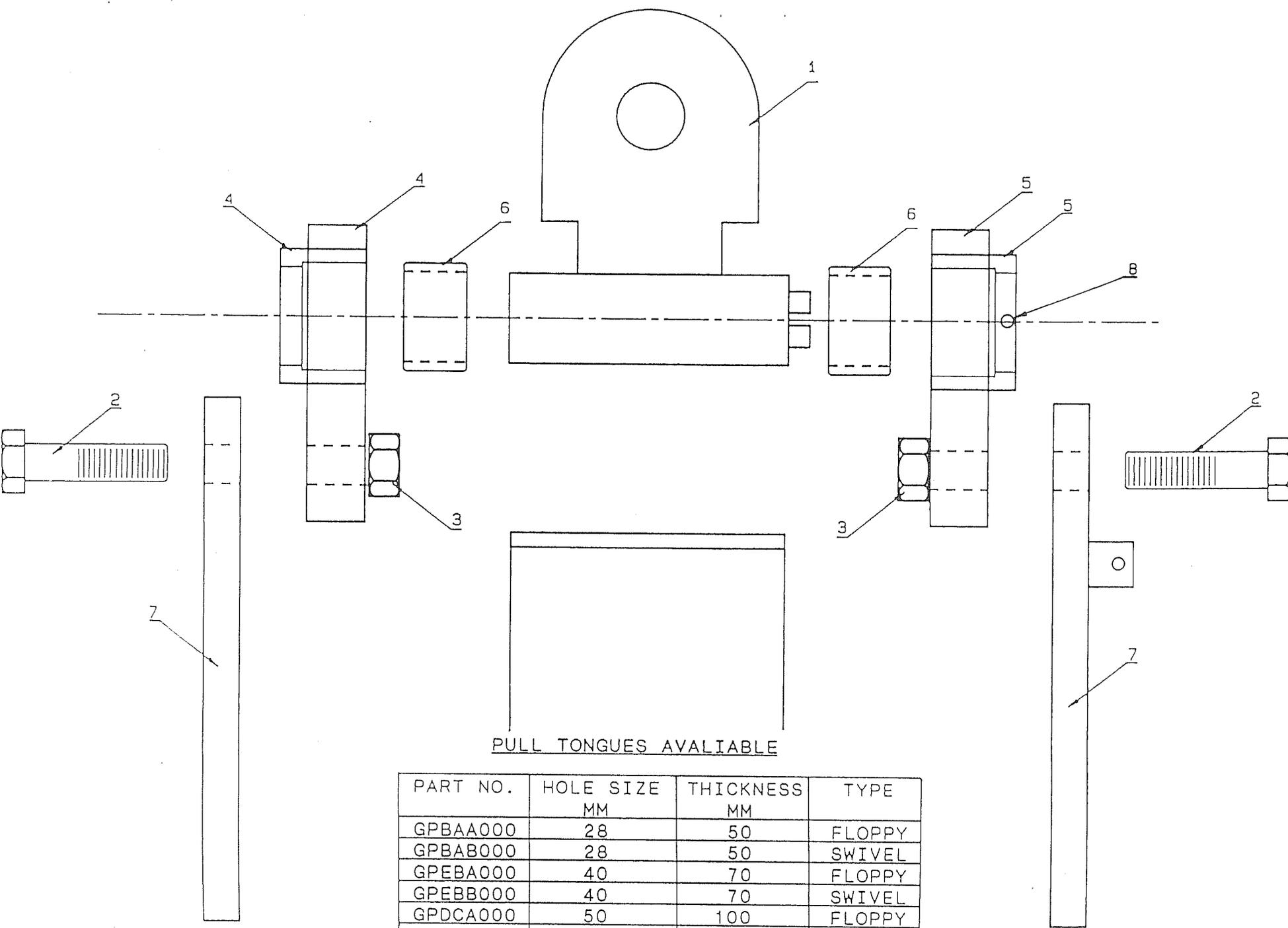


NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: PULL ASSY. 100 PLATE				
PART NO GHGA0001				
SCALE 1: 10			DATE: 23.8.89	DRG NO.GHGA0001

"S" SERIES

PULL TONGUE AND SIDE PLATES - GPB00000

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GPEBA000	FLOPPY PULL TONGUE 40 X 70MM	1
2	FABJA080	M20 BOLT	4
3	FFBJA000	M20 NYLOC NUT	4
4	GNDMF000	"S" PULL SIDE PLATE ASSY LEFT	1
5	GNDMF001	"S" PULL SIDE PLATE ASSY RIGHT	1
6	BJEGA035	VESCONITE BUSH	2
7	CGCFJ000	PULL SIDE PLATE	2
8	FKBCA080	R CLIP (HAIR PIN)	1



PULL TONGUES AVAILIABLE

PART NO.	HOLE SIZE MM	THICKNESS MM	TYPE
GPBAA000	28	50	FLOPPY
GPBAB000	28	50	SWIVEL
GPEBA000	40	70	FLOPPY
GPEBB000	40	70	SWIVEL
GPDCA000	50	100	FLOPPY
GPDCB000	50	100	SWIVEL

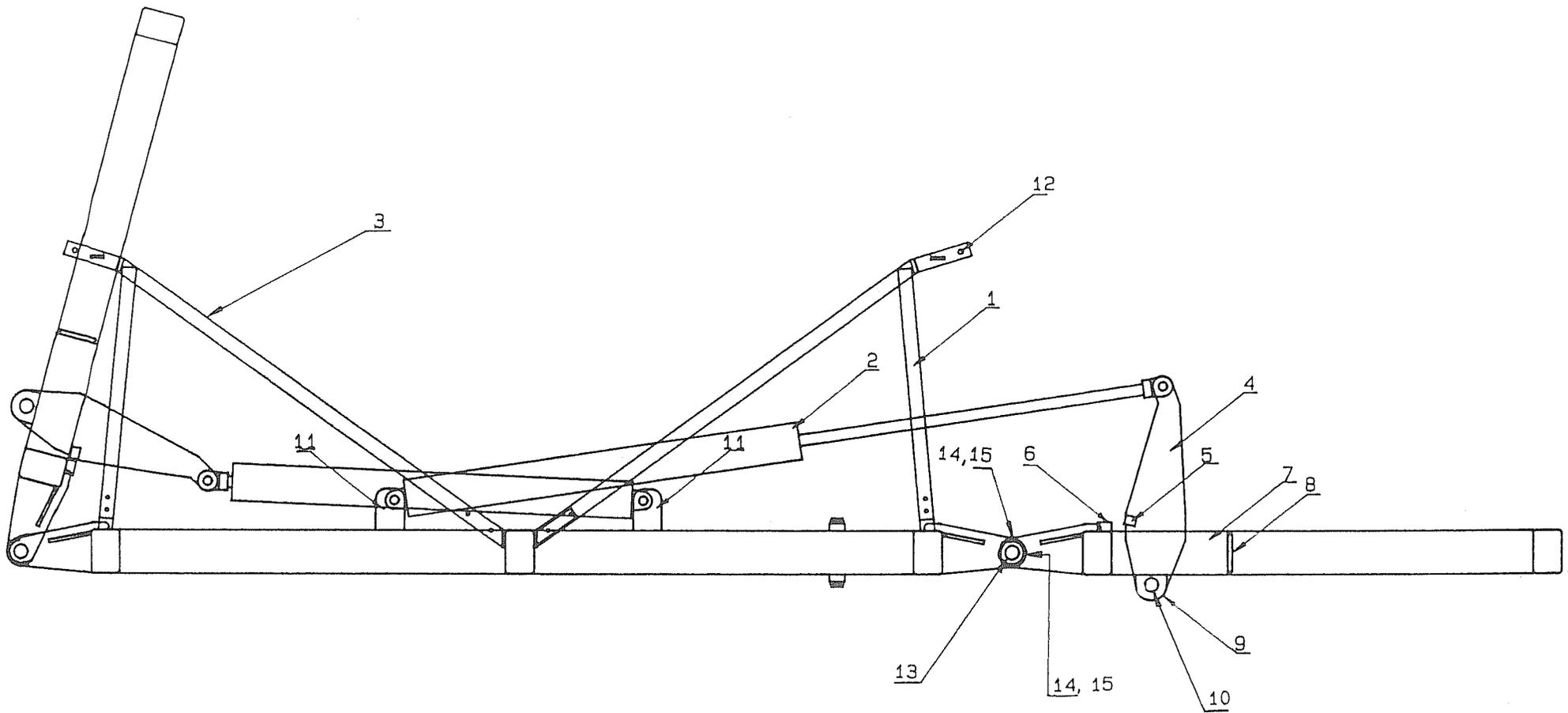
NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: PULL TONGUE & SIDE PLATES				

"S" SERIES FW100 PLATE

FOLDING SYSTEM - S100FBE

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GNBKG003	WING SUPPORT RIGHT	1
2	HYP500/48	HYD CYLINDER 5.00" X 48"	2
3	GNBKG004	WING SUPPORT LEFT	1
4	CBBGM000	WING LEFT ARM	2
5	CGBGP001	BLOCK 40 X 60	2
6	CGBGP000	BLOCK 100 X 60	2
7	CGBGJ000	SIDE PLATE	2
8	MAGGA130	FLAT	2
9	CBBZJ000	SIDE LUG	4
10	MDDEA080	SHAFT	2
11	CBBHM001	RAM LUG	1
12	FGAFA175	WING SUPPORT PIN	2
13	* FGAUA220	WING HINGE PIN	4
14	FEBGA045	SET SCREW M16	2
15	FFDHA000	HALF NUT M16	2

NOTE: * CHANGE HAS BEEN MADE. REFER PAGE 40.



BACK ELEVATION

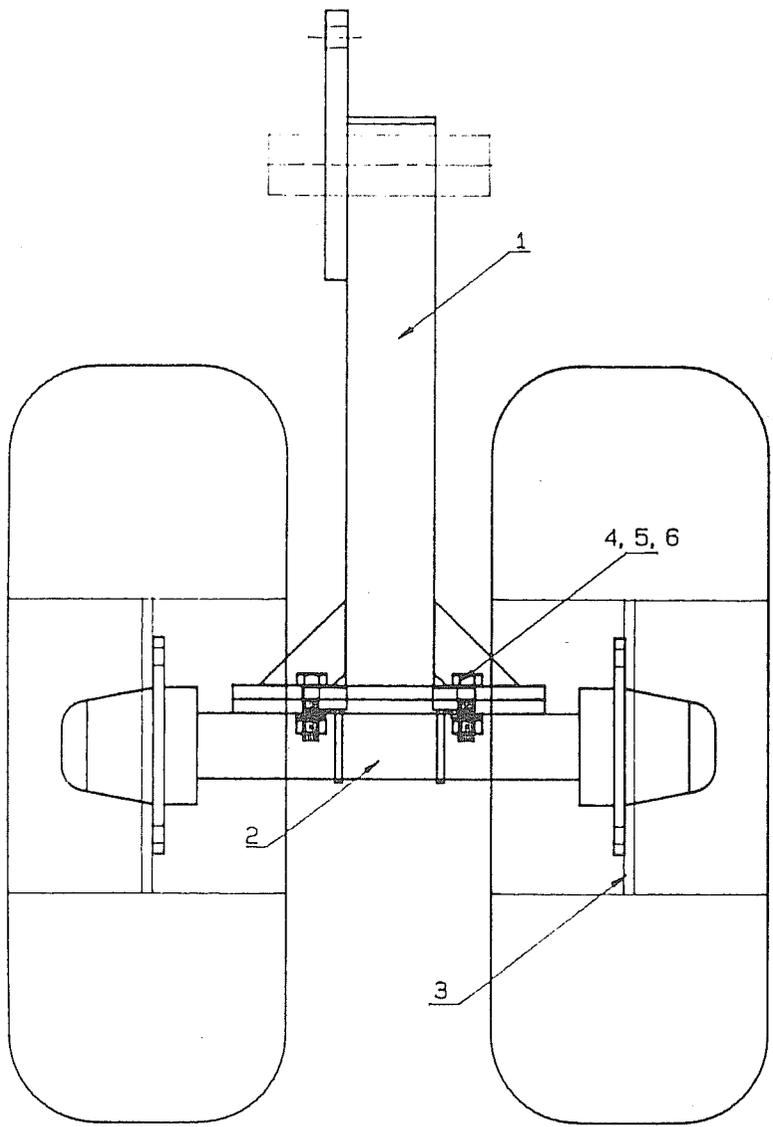
13

NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: WING FOLDING MECH. (S-80)				
PART NO				
SCALE	1: 15	DATE: 15.12.88	DRG NO. S100FBE	

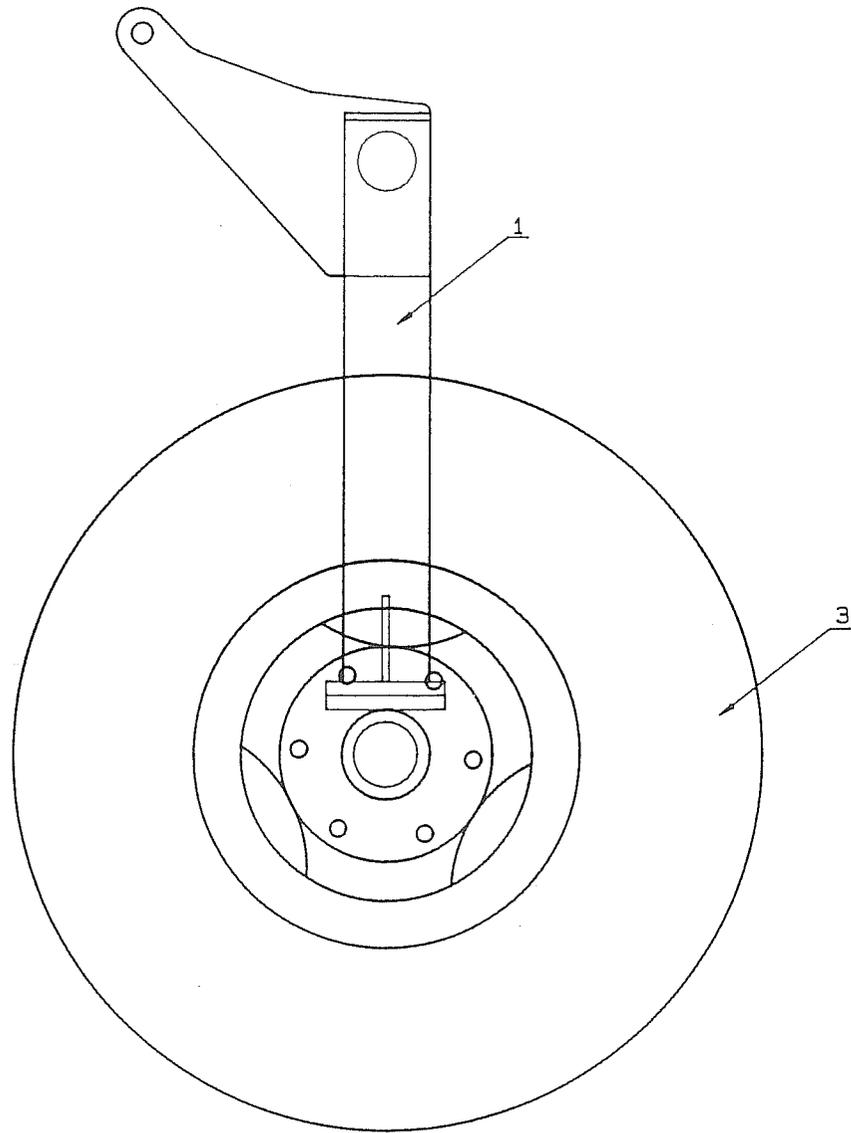
"S" SERIES FW100 PLATE
WHEEL ASSEMBLY MAIN FRAME

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GJGA0001	WHEEL LIFT ASSEMBLY	1
2	* WMNAA740	H70 HUB & STUB ASSEMBLY	1
3	* WSMEEC00	H70 RING & TYRE ASSY 11.00 X 16	2
4	FABJA065	BOLT M20	4
5	FFBJA000	NUT NYLOC M20	4
6	FMCJG000	WASHER 20 ID X 40 OD	4

NOTE: * CHANGE HAS BEEN MADE. REFER TO MASTER FILE.



BACK ELEVATION



SIDE
VIEW

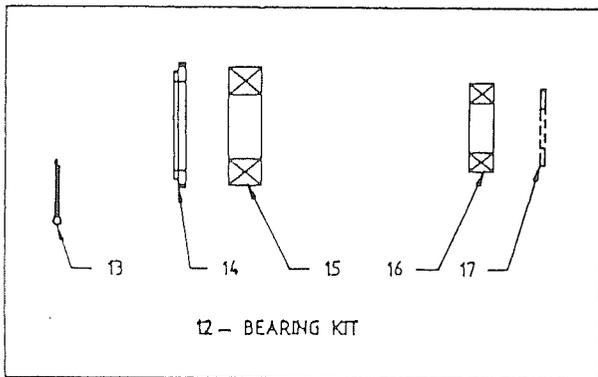
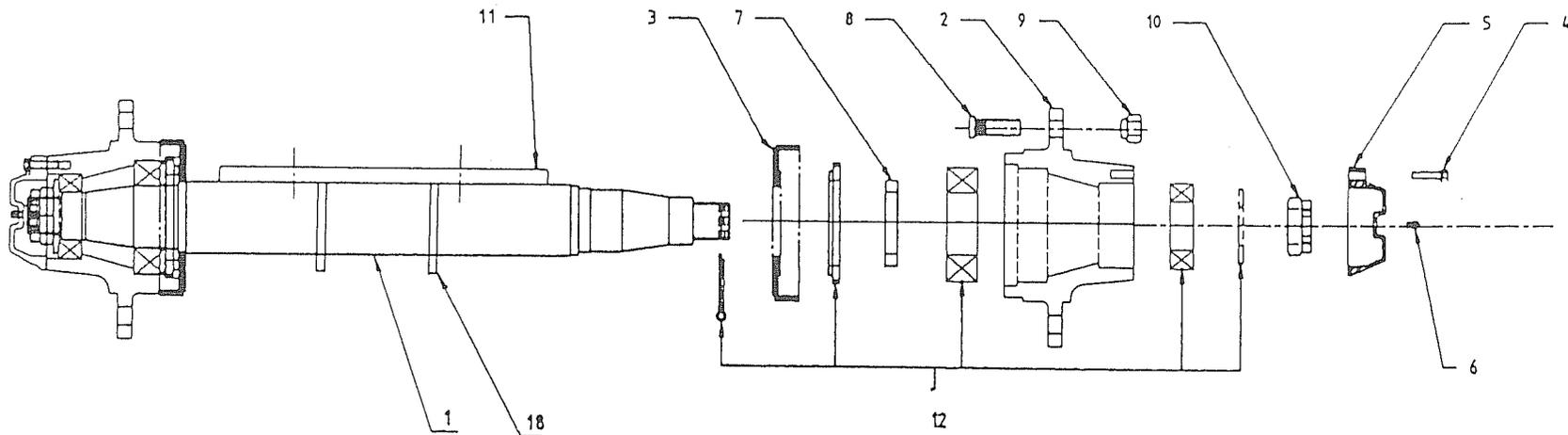
WHEEL ASSY.

"S" SERIES FW100 PLATE

H70 HUB & STUB ASSEMBLY (NEW) - WMNAA000

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	WAMBA740	H70 STUB AXLE	1
2	*WJMAA000	H70 HUB	2
3	BNMAA001	DUST COVER ASSEMBLY	2
4	FEBEA030	CAP SCREW M8	6
5	WKMAA001	H70 CAP	2
6	BMAAA000	GREASE NIPPLE	2
7	BSNNA013	BUSH HUB	2
8	FDBJA000	H70 WHEEL STUD	12
9	FFFJA000	H70 WHEEL NUT	12
10	FFCTA000	H70 AXLE NUT	2
11	CGEFH000	AXLE BASE PLATE	1
12	BAMAA001	H70 BEARING KIT	2
13	FKCEA063	SPLIT PIN	2
14	BNMBA001	H70 BEARING SEAL	2
15	BBMAA000	H70 BEARING LARGE	2
16	BCMAA000	H70 BEARING SMALL	2
17	FMAUJT00	FLAT WASHER	2
18	CAEGE000	GUSSET	2

NOTE: * CHANGE HAS BEEN MADE. REFER TO MASTER FILE



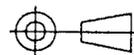
17

ALL DIMENSIONS IN MILLIMETERS
TOLERANCES

LINEAR ± 0.5

ANGULAR $\pm 0.5'$

AS1100



DATE 27/01/90

DRAWN J STEIN

CHECKED GAVAN

APPROVED

GRIZZLY ENGINEERING

TITLE

H 70 HUB & STUB

SCALE
DO NOT SCALE

DRAWING N° WMNAA000

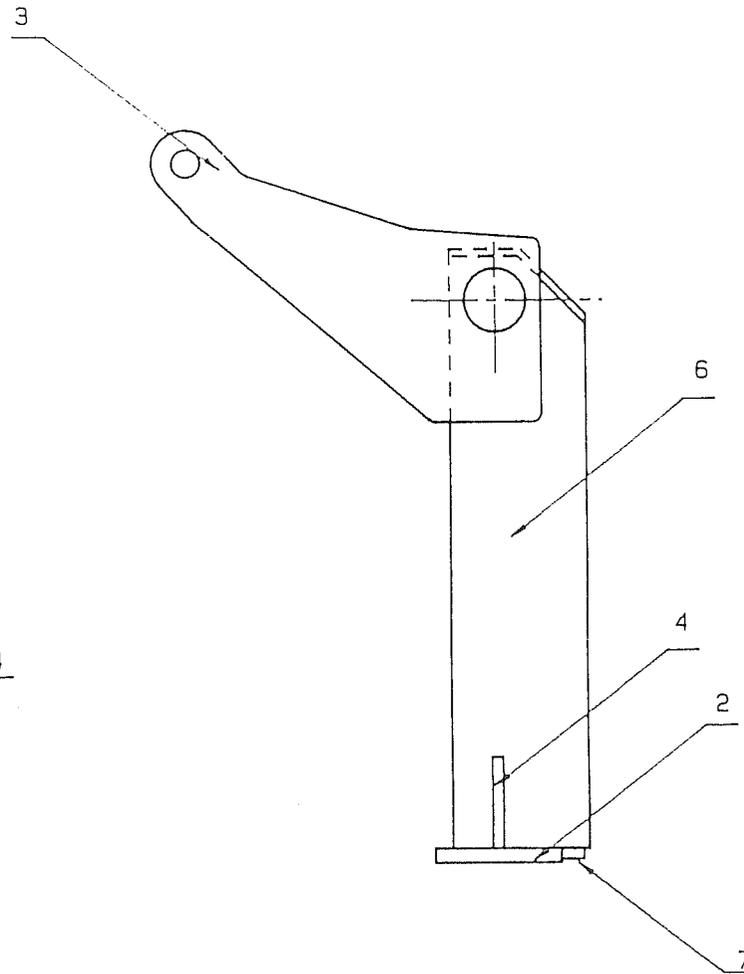
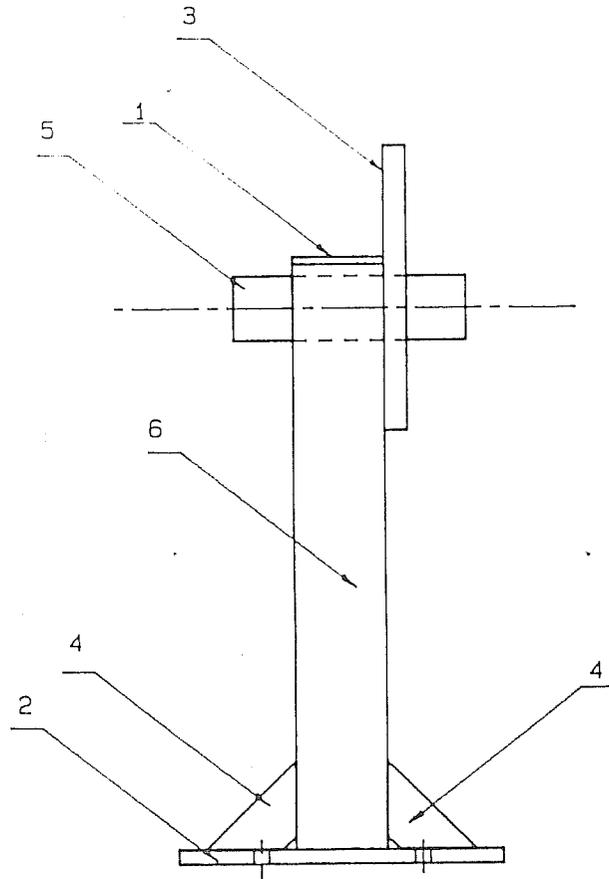
A3

"S" SERIES FW100 PLATE

WHEEL LIFT ASSEMBLY LEFT - GJGA0001

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	CFEGE001	END CAP 8MM
2	CGEFH000	AXLE BASE PLATE 16MM
3	CGEFM001	WHEEL ASSEMBLY LIFTING ARM
4	CJAZG000	GUSSET
5	MDDJA255	ROUND
6	MHKPA643A	WHEEL ASSEMBLY LEG
7	MAFEA085	FLAT 12MM X 25MM

NOTE: - GJFA0001 WHEEL LIFT ASSEMBLY LEFT IS A MIRROR IMAGE OF
GJFA0002 WHEEL LIFT ASSEMBLY RIGHT.
GJGA0003 WHEEL LIFT ASSEMBLY RIGHT WING ONLY(WITH HELPER RAM)



NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: WHEEL LIFT ASSY.LEFT.152x102.				
PART NO gjga0001				
SCALE 1: 6		DATE: 23.8.89		DRG NO.GJGA0001

"S" SERIES

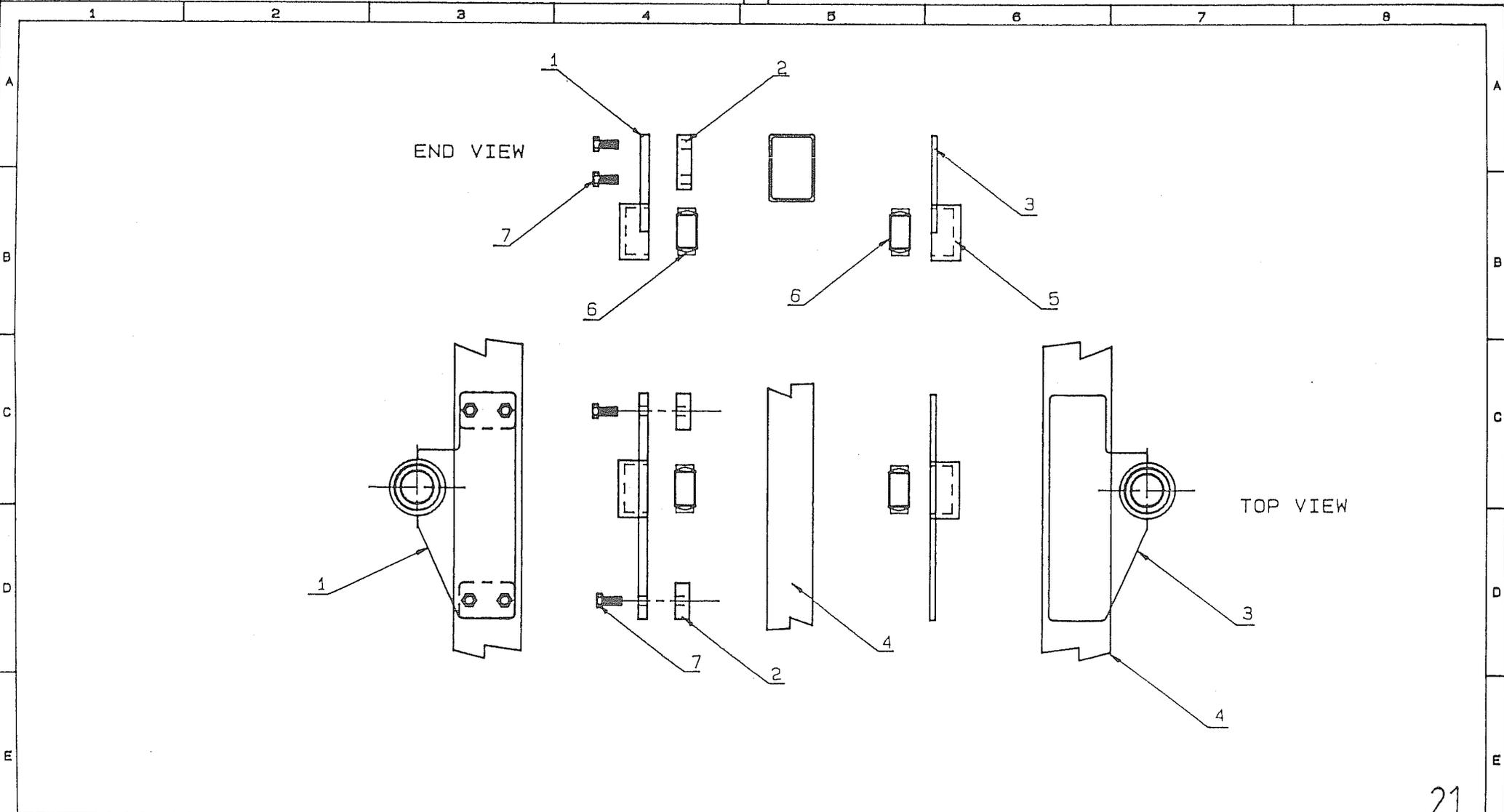
WHEEL LIFT SIDE PLATE ASSEMBLY

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GJHB0000R	W/A SIDE PLATE ASSY INNER (RIGHT)	1
2	CCEFP000	W/A SPACER BLOCKS	2
3	GJFB0003R	W/A SIDE PLATE ASSY OUTER (RIGHT)	1
4	MHHND600	MAIN FRAME BEEM	1
5	MFWYA065A	BALL BUSH HOUSING	2
6	BDMZA000	BALL BUSHING	2
7	FABJA045	BOLT M20	4

NOTE: GJHB0000L - W/A SIDE PLATE ASSY INNER LEFT.

GJFB0003L - W/A SIDE PLATE ASSY OUTER LEFT.

LEFT AND RIGHT SPECIFY WHICH SIDE OF THE MACHINE THE
WHEEL ASSEMBLY IS LOCATED.

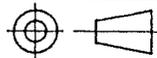


21

ALL DIMENSIONS IN MILLIMETERS.
TOLERANCES

LINEAR ± 0.8

ANGULAR ± 0.8



GRIZZLY ENGINEERING.

DRAWN

G. BAILEY

TITLE:

WHEEL ASSY. SIDE PLATE
BEARING ASSY.

CHECKED

APPROVED

DATE

27-6-90

SCALE NO SCALE

DRAWING NO.

SIDEASSY

A3

ISSUE	DATE	ZONE	CHANGE	BY	CKD

AMENDMENTS.

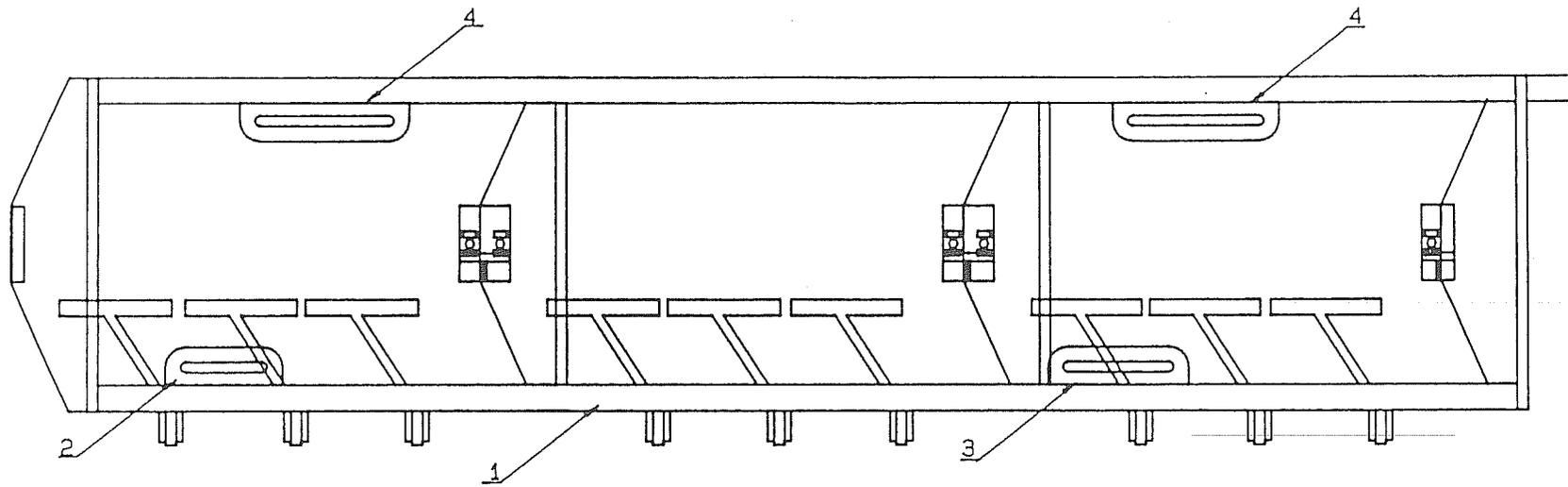
AS1100

"S" SERIES FW100 PLATE

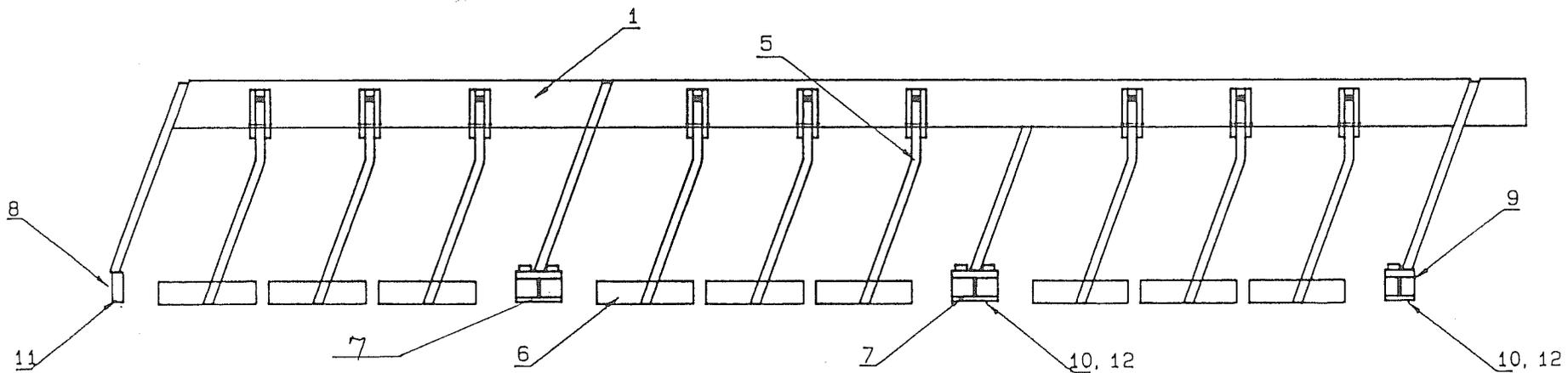
GANG NO.1 - S80G1

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	S80G1	GANG FRAME
2	LADJA150	SLOT 150MM
3	LADJA200	SLOT 200MM
4	LADJA250	SLOT 250MM
5	* GFFAA210	SCRAPER ASSEMBLY LEFT
6	MCCHA210	SCRAPER PAD
7	GEGBA000	DOUBLE AXLE CARRIER
8	CBAFM000	AXLE KEEPER (KISSING)
9	GEGEA000	SINGLE AXLE CARRIER RIGHT
10	FABHAA085	BOLT M16
11	FABGA065A	BOLT M12 WITH HOLE
12	FFBHA000	NUT NYLOC M16

NOTE * CHANGE HAS BEEN MADE. REFER PAGE 40.



TOP VIEW



BACK ELEVATION

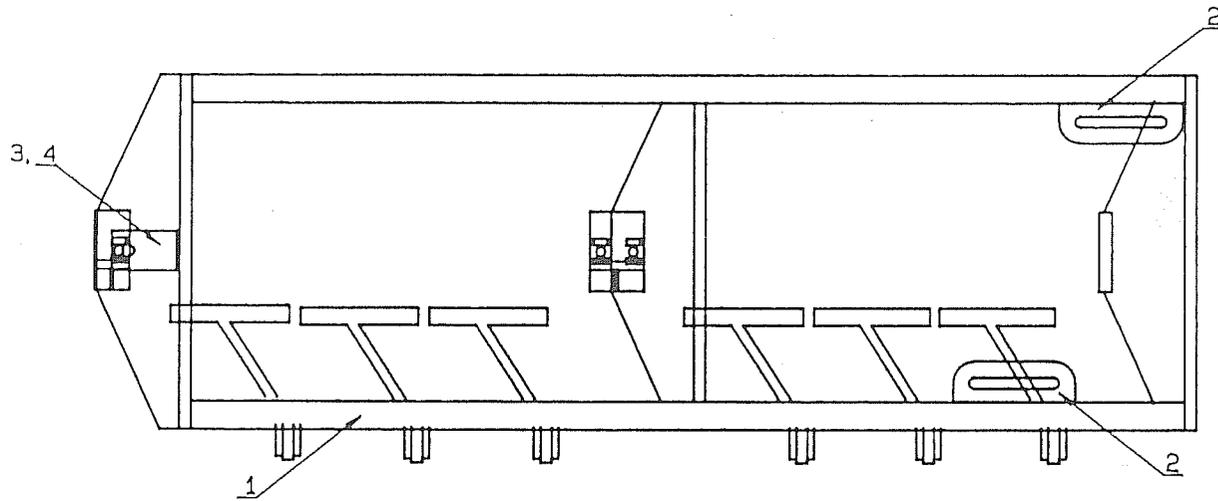
NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: FRAME GANG NO.1 (S-80)				
PART NO				
SCALE 1: 10		DATE: 13.12.88		DRG NO. S80G1FAV

"S" SERIES FW100 PLATE

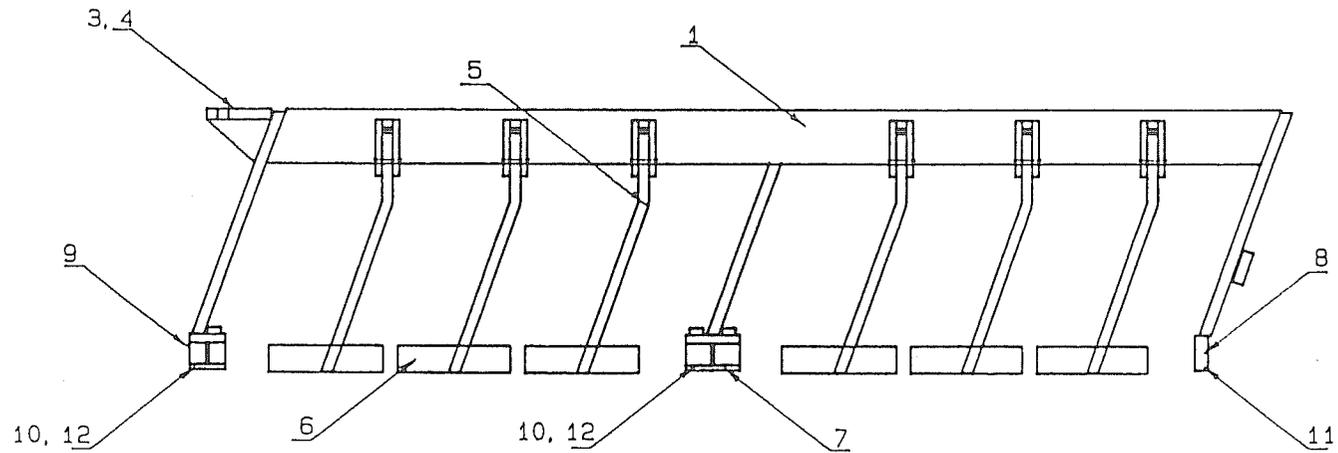
GANG NO.2 - S80G2

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	S80G2	GANG FRAME
2	LADJA150	SLOT 150MM
3	MAHMA120A	PIVOT PLATE
4	CJAZE005	PIVOT PLATE GUSSET
5	* GFFAA210	SCRAPER ASSEMBLY LEFT
6	MCCHA210	SCRAPER PAD
7	GEGBA000	DOUBLE AXLE CARRIER
8	CBAFM000	AXLE KEEPER (KISSING)
9	GEGEA000	SINGLE AXLE CARRIER RIGHT
10	FABHA085	BOLT M16
11	FABGA065A	BOLT M12 WITH HOLE
12	FFBHA000	NUT NYLOC M16

NOTE * CHANGE HAS BEEN MADE. REFER PAGE 40.



TOP VIEW



BACK ELEVATION

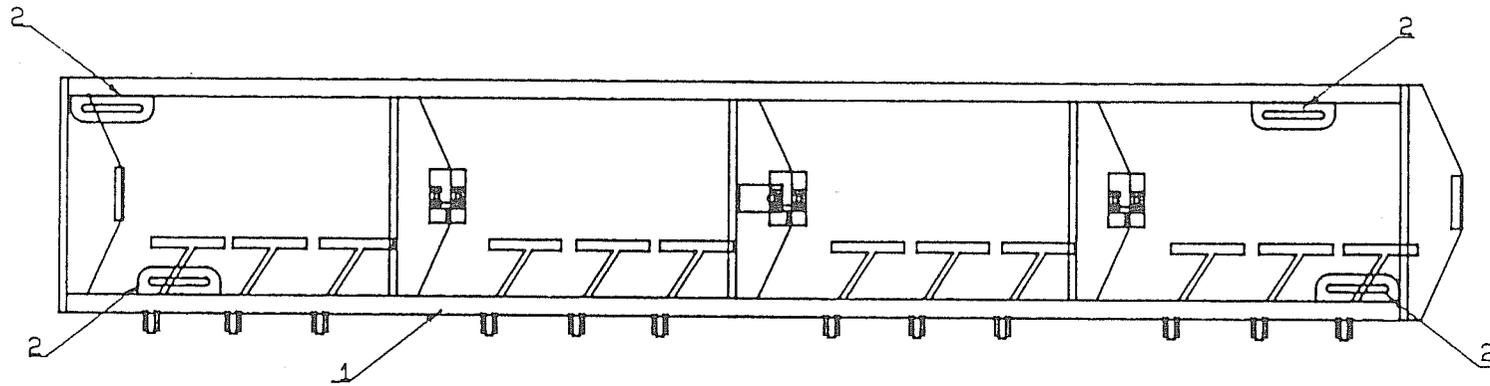
NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: FRAME GANG NO.2 (S-80)				
PART NO				
SCALE 1: 10		DATE: 13.12.88		DRG NO. S80G2FAV

"S" SERIES FW100 PLATE

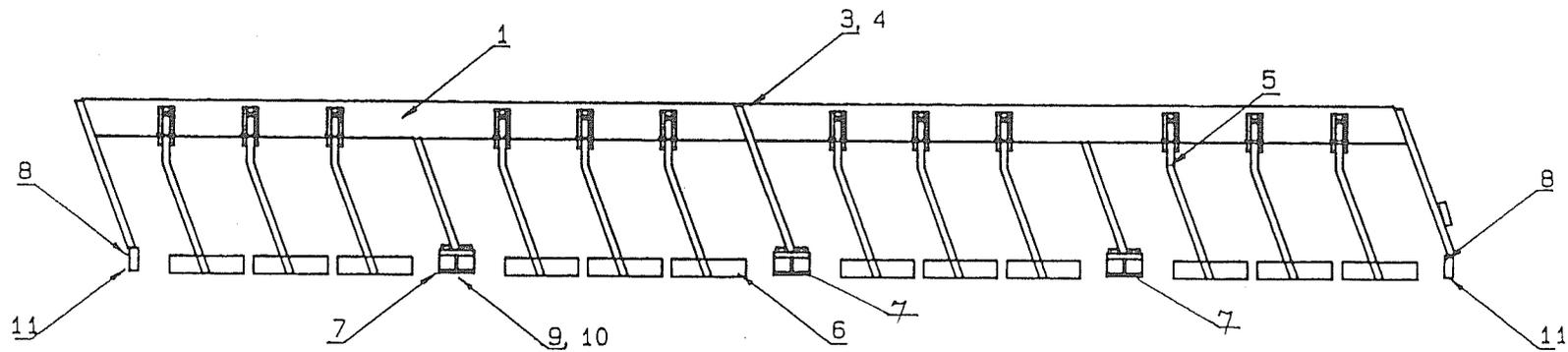
GANG NO.4 - S80G4

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	S80G4	GANG FRAME
2	LADJA150	SLOT 150MM
3	MAHMA120A	PIVOT PLATE
4	CJAZE005	PIVOT PLATE GUSSET
5	* GFFBA210	SCRAPER ASSEMBLY RIGHT
6	MCCHA210	SCRAPER PAD
7	GEGBA000	DOUBLE AXLE CARRIER
8	CBAFM000	AXLE KEEPER (KISSING)
9	FFBHA000	NUT NYLOC M16
10	FABHA085	BOLT M16
11	FABGA065A	BOLT M12 WITH HOLE

NOTE * CHANGE HAS BEEN MADE. REFER PAGE 40.



TOP VIEW



BACK ELEVATION

NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: FRAME GANG NO.4 (S-80)				
PART NO				
SCALE 1: 15		DATE: 13.12.88		DRG NO. S80G4FAV

GANG AXLES USED

NO. OF DISC	PART NO.	
	2 HOLES	1 HOLES
3	MJAMA707A	MJAMA688
4	MJAMA944A	MJAMA925A
5	MJAMB181A	MJAMB162A
6	MJAMB418A	MJAMB399A
7	MJAMB655A	MJAMB636A
8	MJAMB892A	MJAMB873

"S" SERIES

GANG ASSEMBLY

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	FAAJB260	6 DISC GANG BOLT M20
2	GEGDA000	AXLE CARRIER SINGLE LEFT
3	MGGFA004	4MM SPACER
4	FHCPA035	GANG SPRING
5	BNTAA001	DUST COVER SERIES II
6	BPBBA000	GANG BEARING 38 X 100 SPHERICAL
7	BGB100B1	LEAD BEARING HOUSING SERIES II
8	BHB100B1	THRUST BEARING HOUSING SERIES II
9	D26DSB26	DISC
10	MEGRA230	230MM SPOOL
11	CBAFM000	AXLE CARRIER KISSING

GANG BOLTS USED

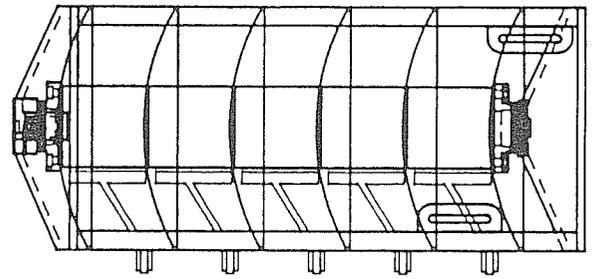
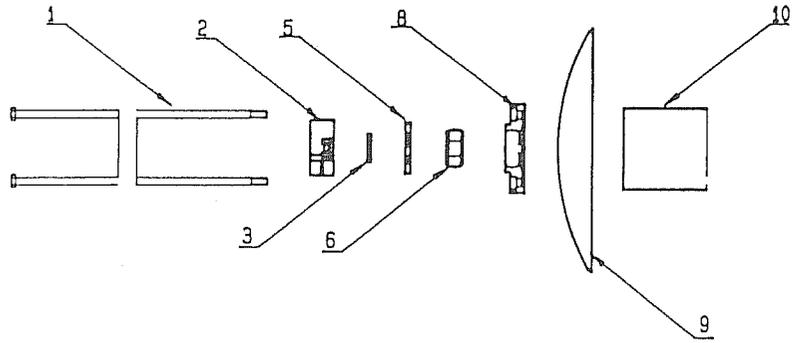
NO. OF DISC	PART NO. M20
3	FAAJA550
4	FAAJA790
5	FAAJB020
6	FAAJB260
7	FAAJB490
8	FAAJB730

NOTE: - SERIES I BEARING HOUSINGS AND DUST COVER LISTED BELOW.

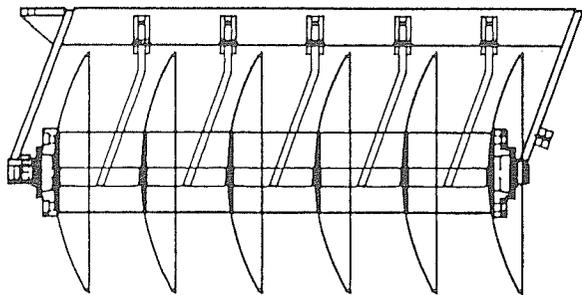
- BGB100B0 LEAD BEARING HOUSING, SERIES I
- BHB100B0 THRUST BEARING HOUSING, SERIES I
- BNTAA000 DUST COVER WITH NEOPRENE INSERT, SERIES I

- FOR MORE INFORMATION ON BEARING HOUSING ASSEMBLIES REFER TO THE MASTER FILE

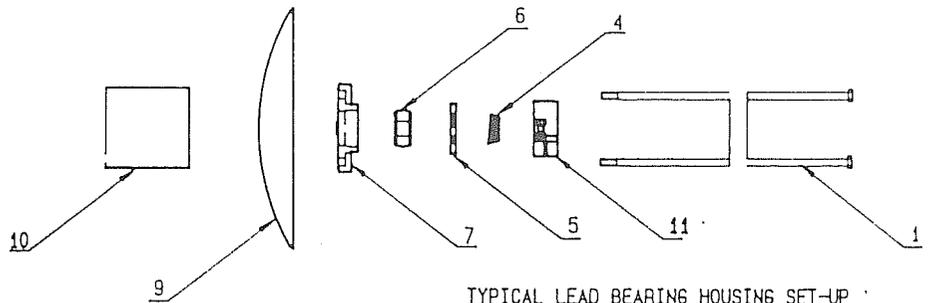
TYPICAL THRUST BEARING HOUSING SET-UP
ON "S" SERIES MACHINES.



TOP VIEW



BACK ELEVATION



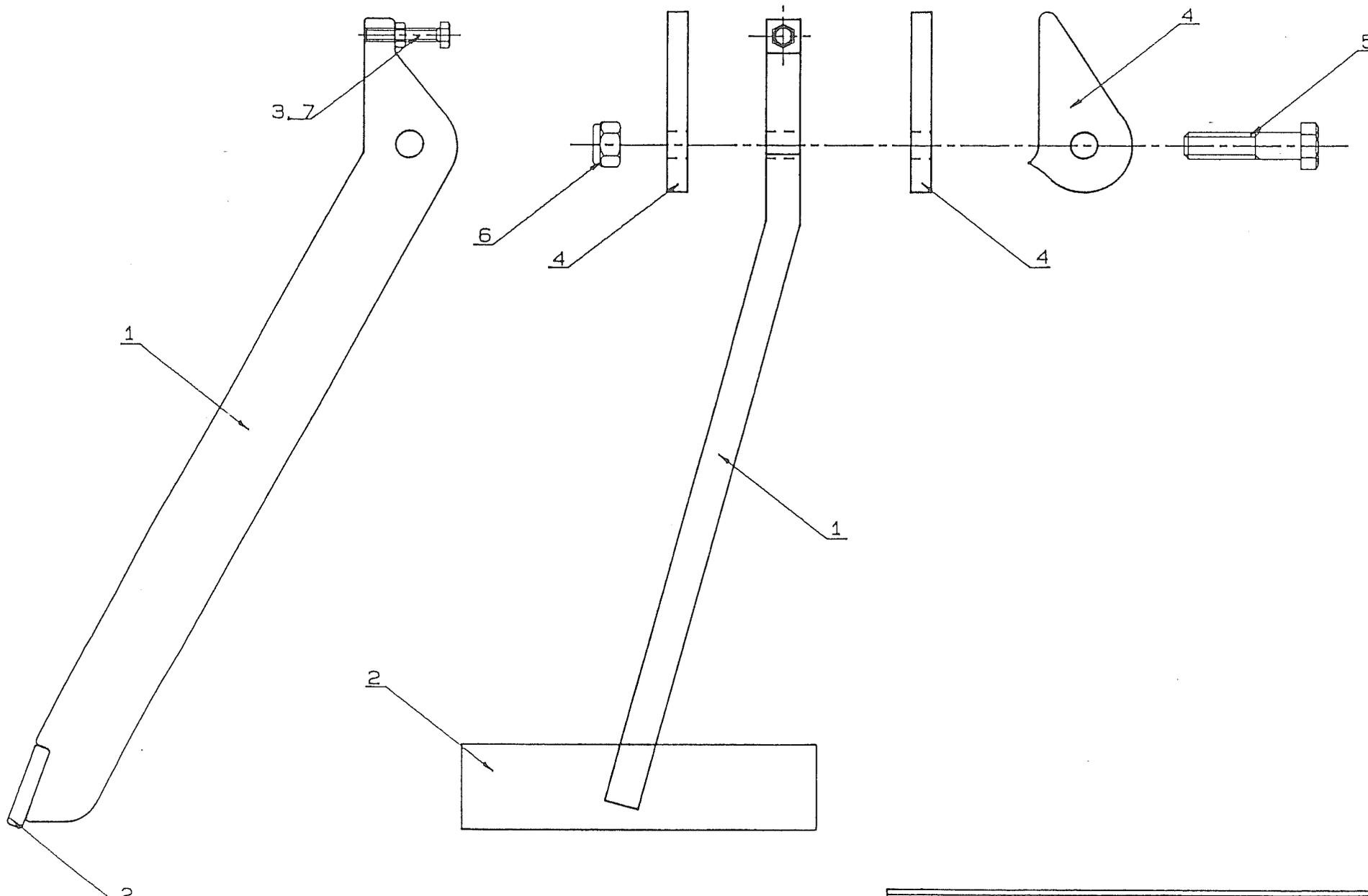
TYPICAL LEAD BEARING HOUSING SET-UP
ON "S" SERIES MACHINE.

GRIZZLY ENGINEERING PTY. LTD		
TITLE: GANG ASSY "S" 48-64 NO.2		
PART NO.		
SCALE: 1:14.8	DATE: 4.9.89	DRG NO: S4862

"S" SERIES FW100 PLATE
SCRAPER ASSEMBLY LEFT GFFAA210

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	* GFFAA210	SCRAPER ASSEMBLY
2	MCCHA210	SCRAPER PAD
3	FEBEA035	SET SCREW M8
4	CBAGG000	SCRAPER LUG
5	FABHA070	BOLT M16
6	FFBHA000	NYLOC NUT M16
7	FFAEA000	BLACK NUT M8

NOTE: GFFBA210 - SCRAPER ASSEMBLY RIGHT.
* CHANGE HAS BEEN MADE. REFER PAGE 40.



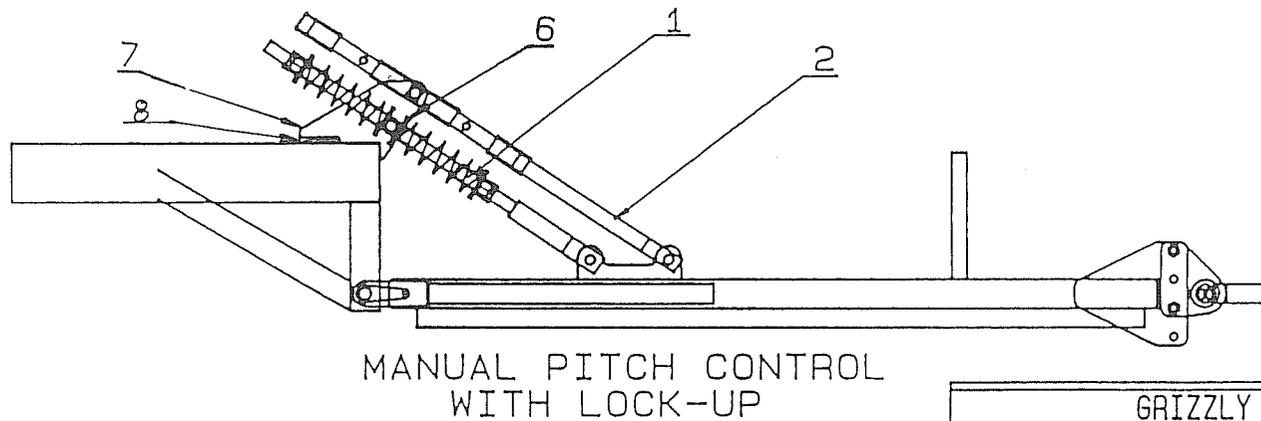
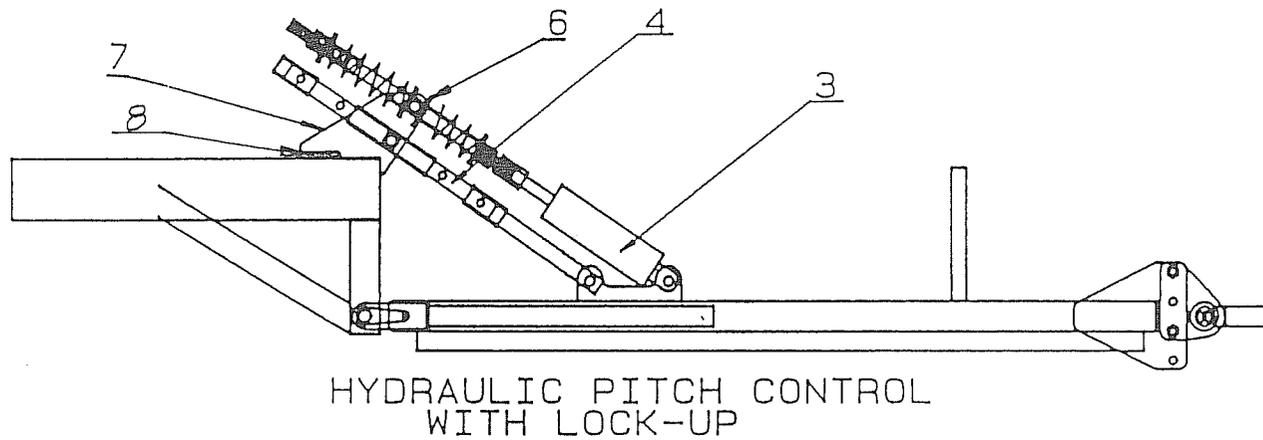
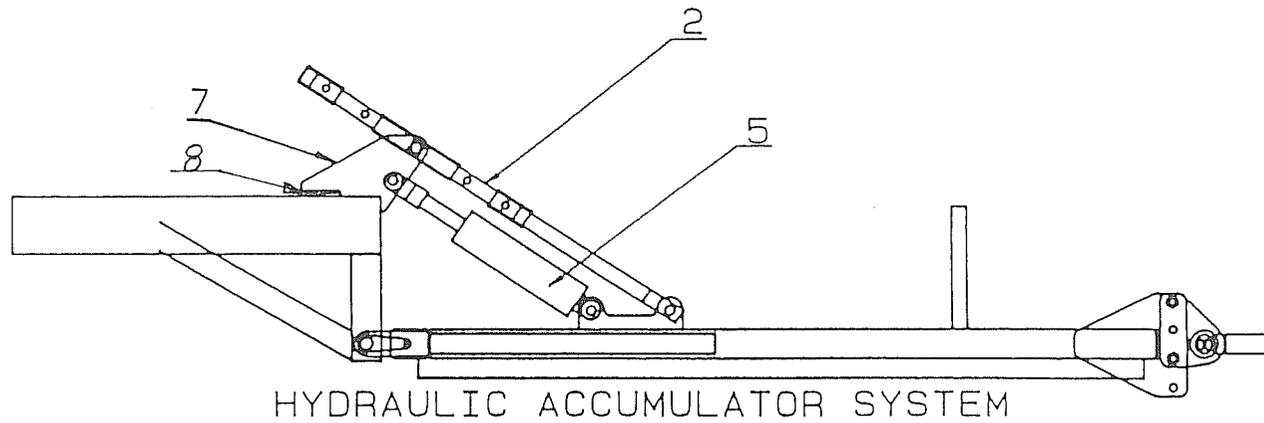
GRIZZLY ENGINEERING PTY. LTD			
TITLE:		PLATE 20mm "S" SCRAPER	
PART NO.			
SCALE:	1: 2.31	DATE:	26.10.89
		DRG NO:	CGFFJ000

"S" SERIES FW100 PLATE

"S" FOLDING PULL OPTIONS (SFPULL)

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	GDFE0000	LEVELING ROD
2	GDFE0001	LOCK UP ASSEMBLY - (LEVELING ROD)
3	GDFG0000	HYDRAULIC PITCH CONTROL
4	GDFE0002	LOCK UP ASSEMBLY - (HYD. PITCH CONTROL)
5	GDFJA000	HYDRAULIC ACCUMULATOR
6	* GKFA0001	SWIVEL ASEMBLY "S" M24 BOLTS
7	* CBBFJ000	TOP LEVEL LUG
8	MAGPA135	FLAT

NOTE: GKFA0000 SWIVEL ASSEMBLY TO SUIT MACHINES PRE SERIAL NO. 487 (M20 BOLTS)
CBBFJ001 TOP LEVEL LUG TO SUIT MACHINES PRE SERIAL NO. 487 (M20 BOLTS)



GRIZZLY ENGINEERING PTY. LTD		
TITLE: "S" FOLDING PULL		
PART NO.		
SCALE: 1: 14	DATE: 20.9.89	DRG NO: SFPULL

"S" SERIES

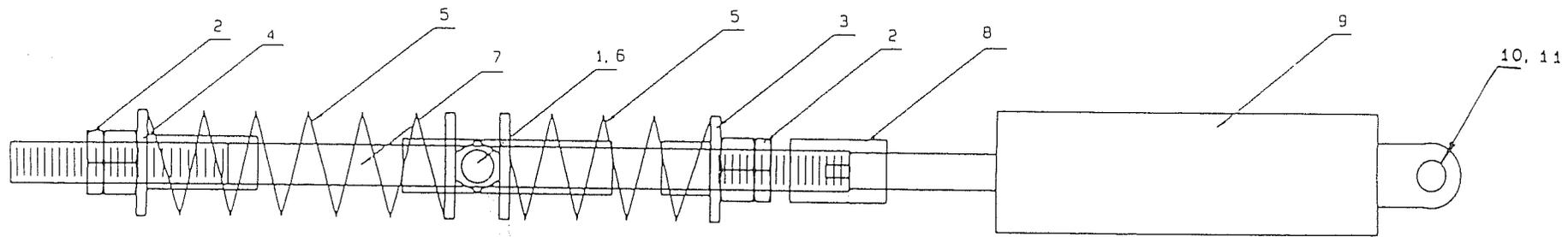
HYDRAULIC PITCH CONTROL - GDFG0000

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	FABKA050	BOLT M24	2
2	FFDPA000	HALF NUT 1-1/4 BSW	2
3	FFGPA040	SPRING ASSEMBLY NUT 40MM	1
4	FFGPA090	SPRING ASSEMBLY NUT 90MM	1
5	FHNPA240	SPRING 240MM	2
6	* GKFA0001	"S" SWIVEL ASSEMBLY 24MM BOLTS	1
7	FPJPA760	THREADED BARE 760MM	1
8	HHFEZ000	ADAPTOR (CROSS RAM)	1
9	HYC250/06	HYD CYL 2.5" X 6" CROSS	1
10	FGBKA135	PIN 1"	1
11	FMCMG000	F/WASHERS	4

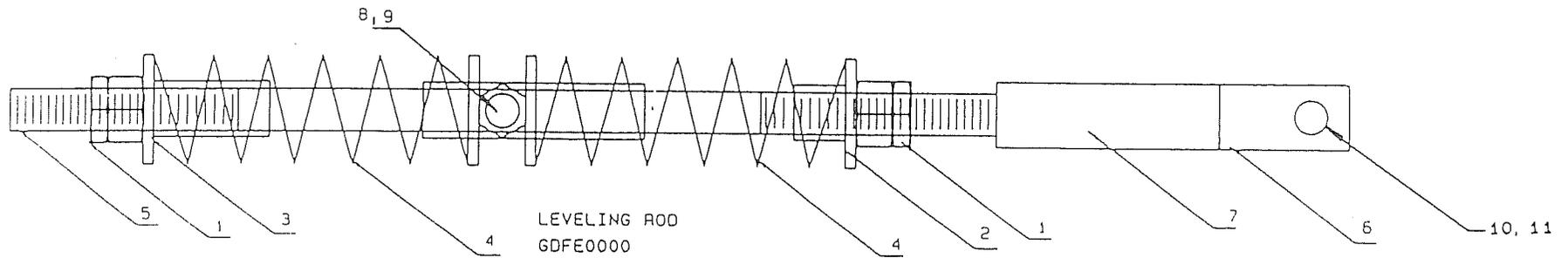
LEVEL ROD ASSEMBLY

1	FFDPA000	HALF NUT 1-1/4 BSW	2
2	FFGPA040	SPRING NUT ASSY 40MM	1
3	FFGPA090	SPRING NUT ASSY 90MM	1
4	FHNPA240	SPRING 240MM	2
5	FPJPA760	THREADED BAR 760MM	1
6	MAEHA100B	FLAT 50 X 10	2
7	MJAPA270A	SQUARE 50 X 50	1
8	* GKFA0001	"S" SWIVEL ASSEMBLY 24MM BOLTS	1
9	FABKA050	BOLT M24	2
10	FGBKA135	PIN 1"	1
11	FMCMG000	F/WASHER	4

NOTE: * CHANGE HAS BEEN MADE



HYD PITCH CONTROL OPTN.
GDFG0000



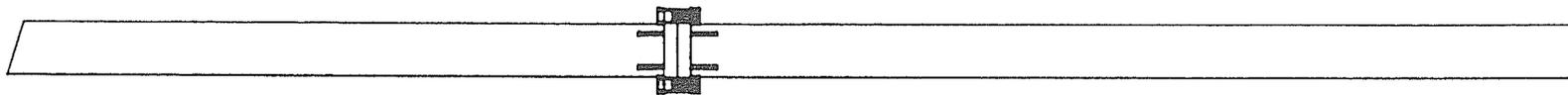
LEVELING ROD
GDFE0000

NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE:		LEVELING ROD		
PART NO		GDFE0000		
SCALE	1: 3	DATE: 19 04 89	DRG NO. GDFE0000	

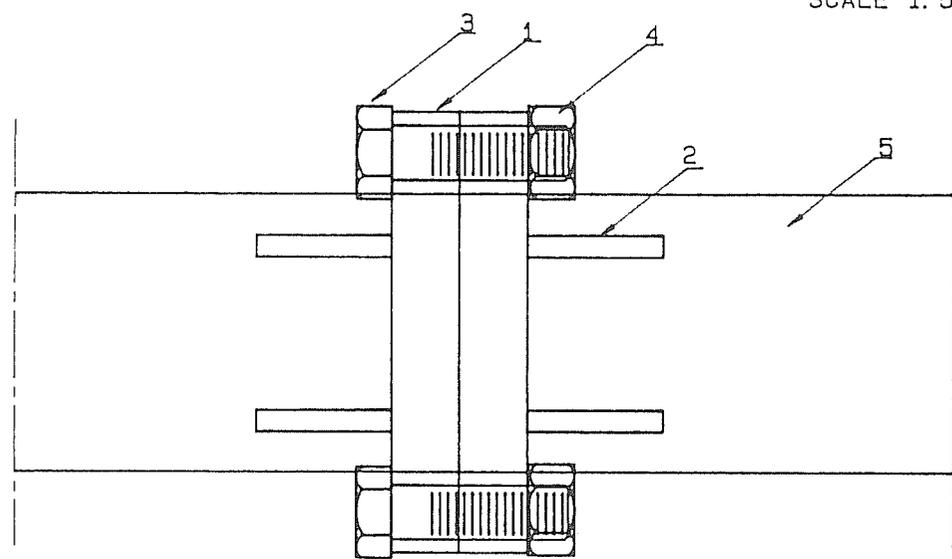
"S" SERIES FW100 PLATE

FRAME FLANGE

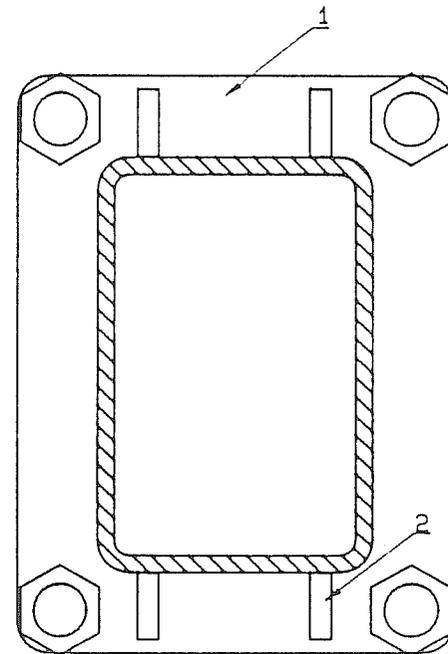
<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	CGBGU000	FLANGE	2
2	CABGE000	FLANGE GUSSET	8
3	FABJA075	BOLT M20	4
4	FFBJA000	NUT NYLOC M20	4
5	MHKPA817	FRAME BEAM (RHS)	2



SCALE 1:5



TOP VIEW



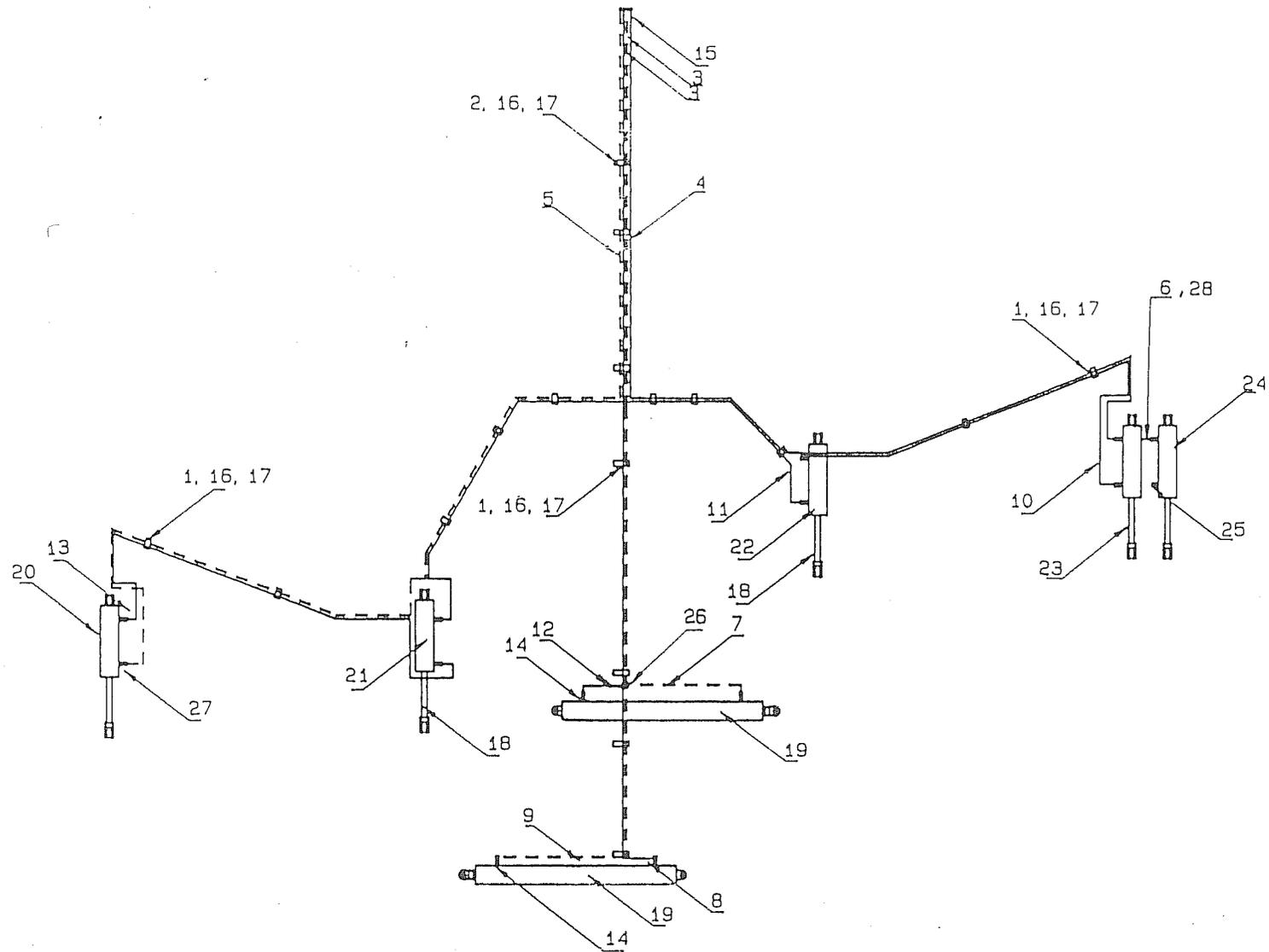
SIDE VIEW

NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: FRAME FLANGE				
PART NO				
SCALE	1:2	DATE: 12.12.88	DRG NO.	S80FJ

"S" SERIES FW100 PLATE

HYDRAULIC KIT - HFGA6100

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	FABEA045	BOLT M8 X 45 GRADE 8.8	16
2	FABEA080	BOLT M8 X 80 GRADE 8.8	3
3	HGCAG600	HOSE (6,600) HHAKBU07 HHAKMU07	2
4	HGCAM000	HOSE (10,000) HHAKBU07 HHAKMU07	1
5	HGCAM800	HOSE (10,800) HHAKBU07 HHAKMU07	1
6	HGCCA500	HOSE (500) HHAKBU07 BOTH ENDS	1
7	HGCCB700	HOSE (1,700) HHAKBU07 BOTH ENDS	1
8	HGCCB300	HOSE (1,300) HHAKBU07 BOTH ENDS	1
9	HGCC600	HOSE (2,600) HHAKBU07 BOTH ENDS	1
10	HGCCE100	HOSE (4,100) HHAKBU07 BOTH ENDS	1
11	HGCCF100	HOSE (5,100) HHAKBU07 BOTH ENDS	1
12	HGCCA400	HOSE (400) HHAKBU07 BOTH ENDS	1
13	HGCCE000	HOSE (4,000) HHAKBU07 BOTH ENDS	1
14	HHABAM07A	FITTING 90° ELBOW/RESISTOR	2
15	HHDMNW07	QUICK RELEASE COUPLING 3/4	4
16	HJBCA000	CLAMP SHELL 3/4-3/4	44
17	HJBFA000	TOP PLATE FOR CLAMP	19
18	HRDBA285	TRANSPORT BLOCK 285MM	2
19	HYP500/48	HYDRAULIC CYL 5" X 48"	2
20	HZP425/12	HYDRAULIC CYL 4.25" X 12"	1
21	HZP450/12	HYDRAULIC CYL 4.50" X 12"	1
22	HZP475/12	HYDRAULIC CYL 4.75" X 12"	1
23	HZP500/12D	HYDRAULIC CYL 5.00" X 12" DEPTH STOP	1
24	HYP300/12	HYDRAULIC CYL 3.00" X 12	1
25	HHBRNA07	FITTING NO.67 RYCO BREATHER	1
26	HHAAAA77	FITTING TEE M/M/M 3/4"	2
27	HHABAM07	FITTING U.N.O RING	12
28	HHAAAB07	FITTING TEE M/M/F 3/4	1



GRIZZLY ENGINEERING PTY. LTD		
TITLE: S100 PLATE FOLDING		
PART NO. HYDRAULIC SYSTEM.		
SCALE: 1:32.612	DATE: 17-10-89	DRG NO: S100HSPC

CHANGES - "S" SERIES FW100 PLATE

REFERENCE		OLD	NEW	DATE OF	SERIAL NO.	NOTES
PAGE	ITEM	PART NO.	PART NO.	CHANGE	OF CHANGE	
12	13	FGBUA380	FGBUA220	1988		FROM 50 X 380mm TO 50 X 220mm
22, 24, 30	5, 1	GFFAB210	GFFAA210	1986		LENGTHENED FROM 410mm TO 460mm
26, 30	5, N	GFFBB210	GFFBA210	1986		LENGTHENED FROM 410mm TO 460mm