

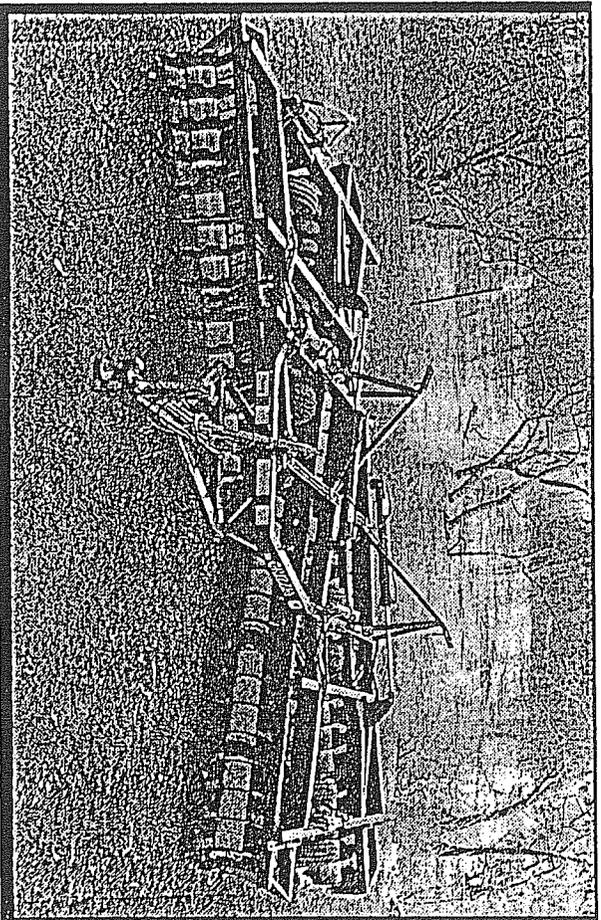
GRIZZLY

SPARE PARTS

MANUAL

"S" SERIES FOLDING WING

56-64 PLATE



"S" SERIES FW56/64 PLATE

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"S" SERIES FW56-64 PLATE

SPECIFICATIONS

FW56 PLATE

WIDTH 6.4 M (21') WEIGHT 5400KG (11905LBS) HORSEPOWER 140-210
 TYRE SIZE 9.00 X 16 NUMBER OF TYRES 8 TRANSPORT WIDTH 4.06M (13'4")

FW64 PLATE

WIDTH 7.3M (24') WEIGHT 5930KG (13073LBS) HORSE POWER 200-270
 TYRE SIZE 9.00X16 NUMBER OF TYRES 8 TRANSPORT WIDTH 4.53M (13'10")

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

TOOL KIT (SUPPLIED WITH PLOUGH - TEGF0000

<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
TFCBPS000	24mm & 30MM TOOL ASSEMBLY	1

OPTION:

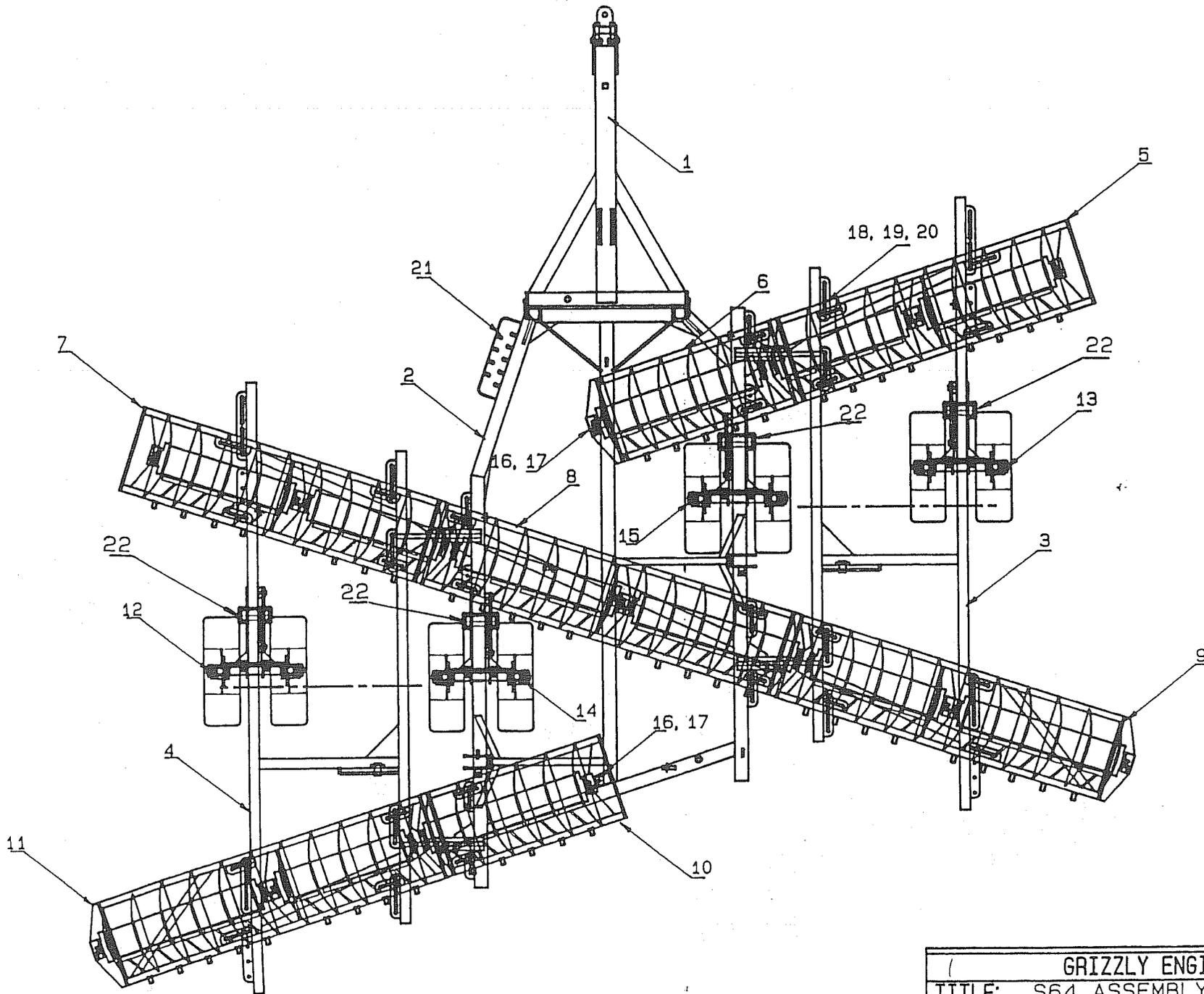
GDGAA000 SWIVEL WHEELS (FOLDING WINGS)

"S" SERIES FW56-64 PLATE

ASSEMBLY KIT - GAG064

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GHGA0002	PULL ASSEMBLY	1
2	GCG48-64	MAIN FRAME	1
3	GCG064WR	WING ASSEMBLY RIGHT	1
4	GCG064WL	WING ASSEMBLY LEFT	1
5	S64G1	GANG NO.1	1
6	S64G2	GANG NO.2	1
7	S64G3	GANG NO.3	1
8	S64G4	GANG NO.4	1
9	S64G5	GANG NO.5	1
10	S64G6	GANG NO.6	1
11	S64G7	GANG NO.7	1
12	GJFA0001	WHEEL LIFT ASSEMBLY L.H. WING	1
13	GJFA0002	WHEEL LIFT ASSEMBLY R.H. WING	1
14	GJGA0001	WHEEL LIFT ASSEMBLY L.H. M/FRAME	1
15	GJGA0002	WHEEL LIFT ASSEMBLY R.H. M/FRAME	1
16	FABKA075	BOLT M24	3
17	FFBKA000	NUT NYLOC M24	3
18	FABJA075	BOLT M20	24
19	FFAJA000	NUT BLACK M20	24
20	FMDJJN00	SQ. WASHER 20 ID X 50 OD X 5 MM	48
21	GNBHF000	TOOL BOX ASSEMBLY	1
22	* WMJAA675	H60 HUB STUB ASSEMBLY 9.00 DUELS	4

NOTE: * MACHINES BUILT PRE 1987 MAY HAVE H40 OR H50 HUB AND STUBS FITTED
REFER MASTER FILE FOR MORE INFORMATION.



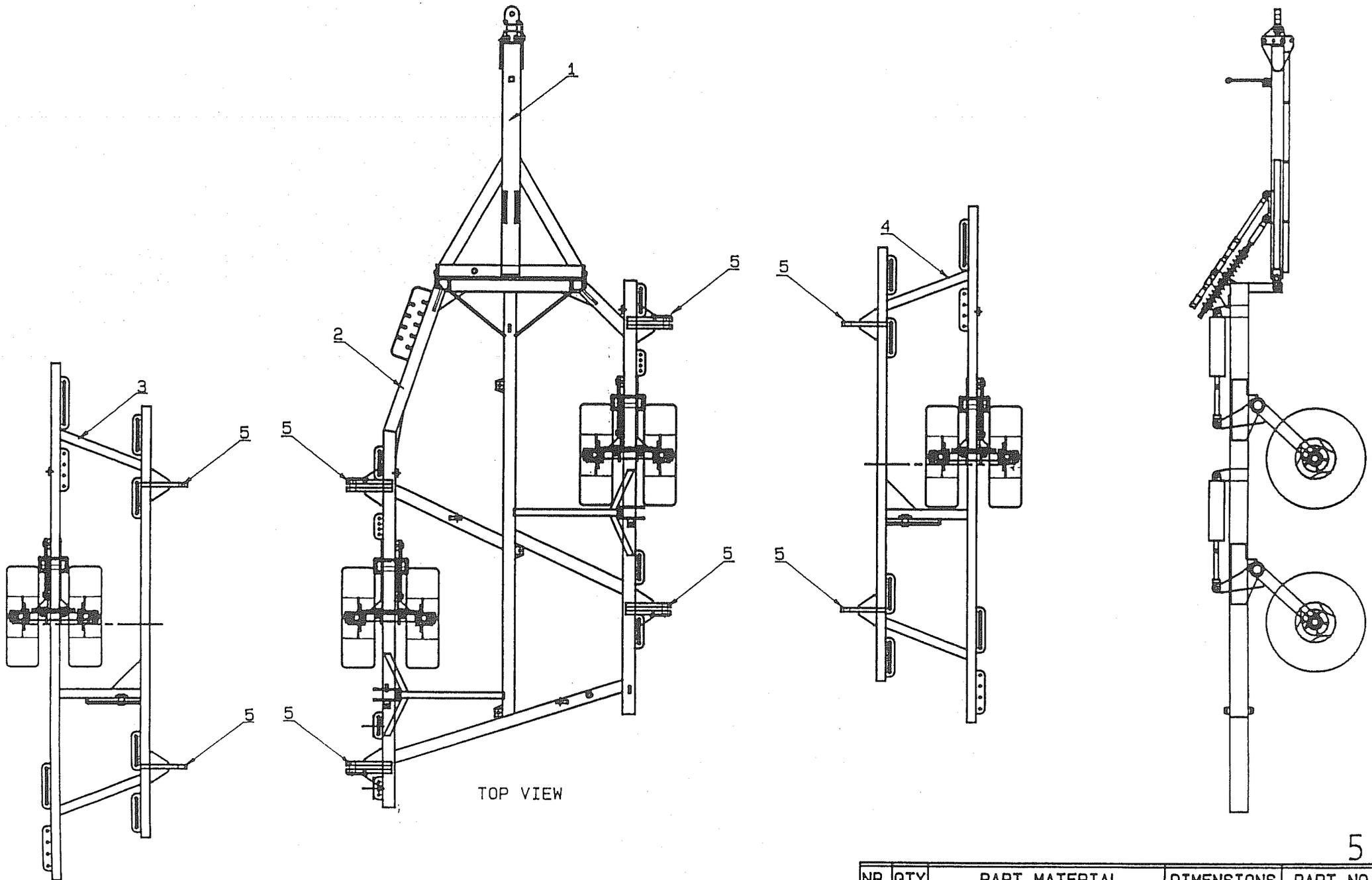
3

GRIZZLY ENGINEERING PTY. LTD			
TITLE: S64 ASSEMBLY KIT			
PART NO. -----			
SCALE: 1: 30	DATE: 6-9-89	DRG NO: GAG064	

"S" SERIES FW56-64 PLATE

FRAME AND WINGS

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GHGA0002	PULL ASSEMBLY	1
2	GCG48-64	MAIN FRAME	1
3	CGC056WL	WING ASSEMBLY	1
4	CGC056WR	WING ASSEMBLY	1
5	CGBGP003	WING HING PLATE	12



TOP VIEW

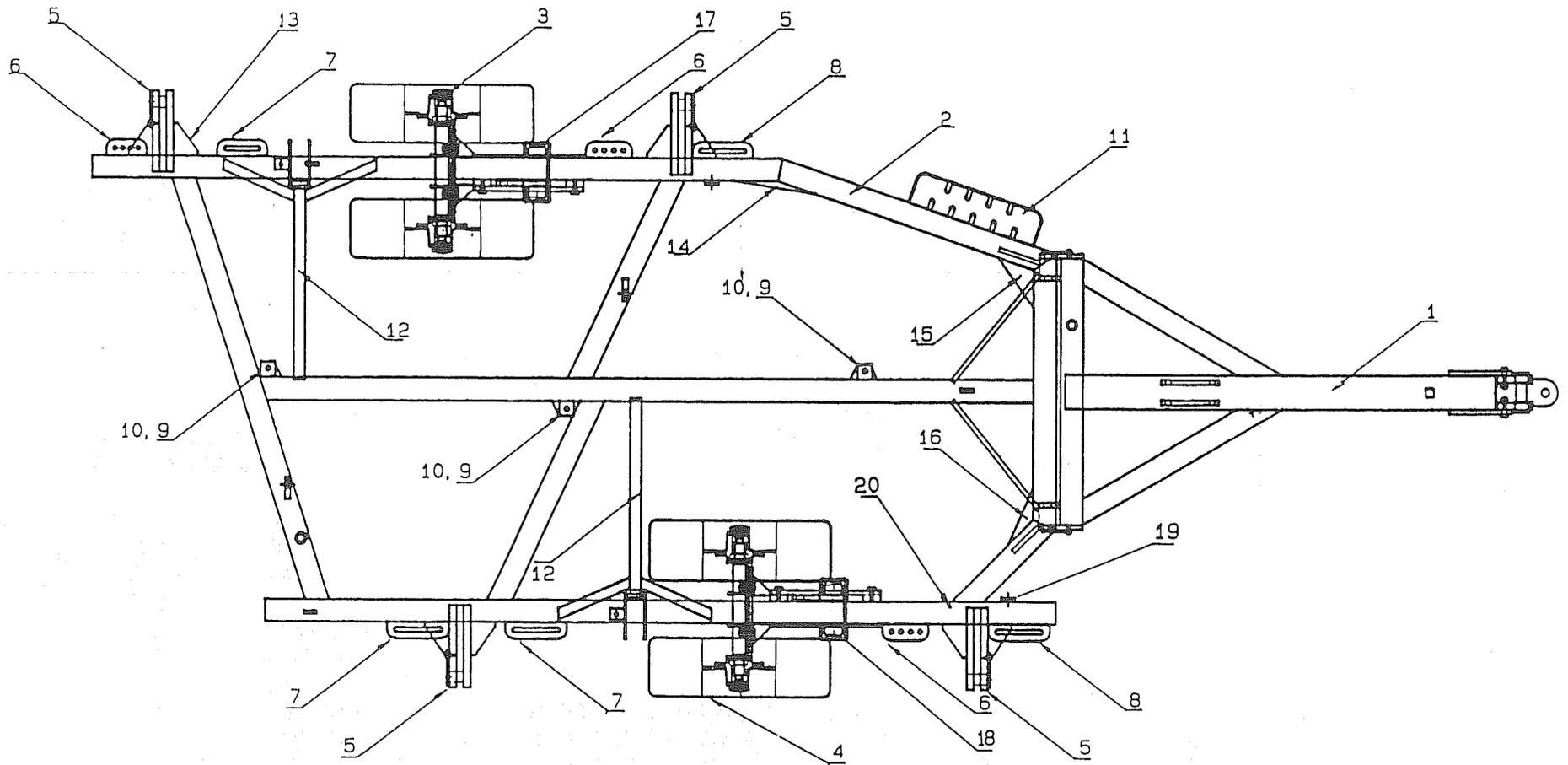
NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: FRAME AND WINGS (S56) MK1				
PART NO				
SCALE 1: 30		DATE: 29.03.89 DRG NO. S56FM1		

"S" SERIES - FW56-64 PLATE

MAIN FRAME GCG48-64

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GHGA0002	PULL ASSEMBLY	1
2	GCG48-64	MAIN FRAME	1
3	* WMJAA675	HUB AND STUB ASSEMBLY H60	2
4	* WSJDDB00	H60 RIM/TYRE ASSEMBLY 9.00X16 8 PLY	4
5	CGBGP003	WING HINGE PLATE	8
6	LBDJA132	SERIES OF HOLES	3
7	LADJA200	SLOT 200 LONG	3
8	LADJA200	SLOT 200 LONG	2
9	MAHJA070A	GANG PIVOT	3
10	CJAZE002	GANG PIVOT GUSSET	6
11	GNBHF000	TOOL BOX	1
12	GNBKG000	WING LOCK UP ASSEMBLY	2
13	CABGG003	WING HING GUSSET	8
14	CABGH001	MAIN FRAME GUSSET	2
15	CABGH005	MAIN FRAME GUSSET	2
16	CABGH000	MAIN FRAME GUSSET	2
17	GJGA0001	WHEEL LIFT ASSEMBLY (LEFT)	1
18	GJGA0002	WHEEL LIFT ASSEMBLY (RIGHT)	1
19	CBBHM001	RAM LUG	2
20	GNBEF000	DEPTH GAUGE S24-S100	1

NOTE: MACHINES BUILT PRE 1987 MAY HAVE H40 OR H50 HUBS AND STUBS FITTED
REFER TO MASTER FILE FOR MORE INFORMATION.



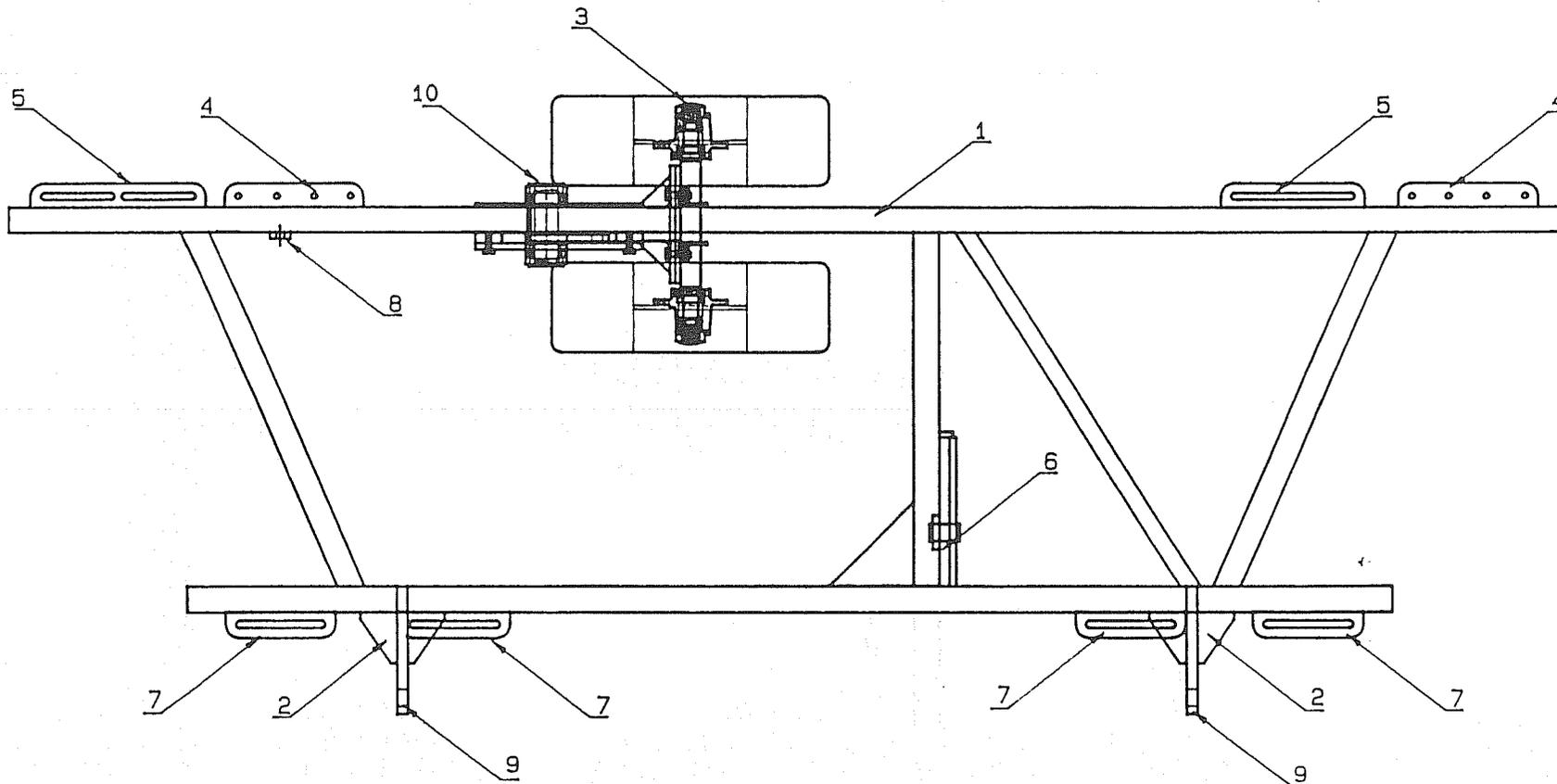
GRIZZLY ENGINEERING PTY. LTD			
TITLE: FRAME 48-64			
PART NO. ----			
SCALE: 1: 21	DATE: 5-9-89	DRG NO: GCG-8-64	

"S" SERIES FW56 PLATE
WING ASSEMBLY RIGHT - GCG056WR

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GCG056R	WING ASSEMBLY RIGHT	1
2	CABGG003	HINGE GUSSET	4
3	* WMJAA675	H60 HUB & STUB ASSEMBLY 9.00 DUALS	1
4	LBDJA335	SERIES OF HOLES 335MM	2
5	LADJA450	SLOT 450MM	2
6	CBBGM001	WING LIFT ARM	1
7	LADJA250	SLOT 250MM	4
8	CBBHM001	RAM LUG	1
9	CGBGP003	WING HINGE PLATE	2
10	GJFA0002	WHEEL LIFT ASSEMBLY	1

NOTE: - RIGHT WING MIRROR IMAGE OF LEFT WING.
- GJFA0001 WHEEL LIFT ASSEMBLY LEFT FITTED TO L.H. WING.

* MACHINES BUILT PRE 1987 MAY HAVE H40 OR H50 HUBS & STUBS FITTED.
REFER TO MASTER FILE FOR MORE INFORMATION.

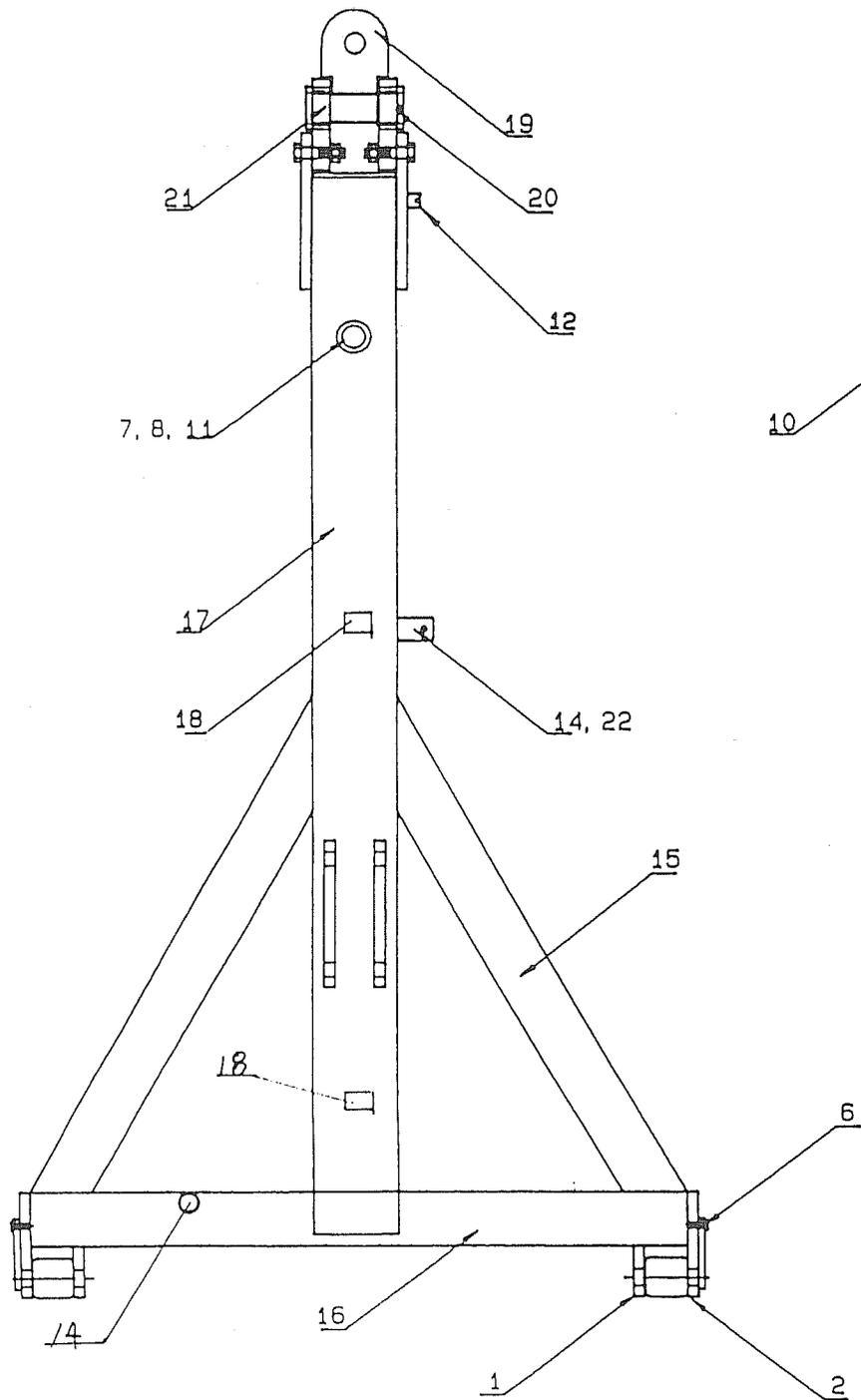


GRIZZLY ENGINEERING PTY. LTD			
TITLE: S56 RIGHT WING			
PART NO. -----			
SCALE: 1: 15	DATE: 6-9-89	DRG NO: S56 WING	

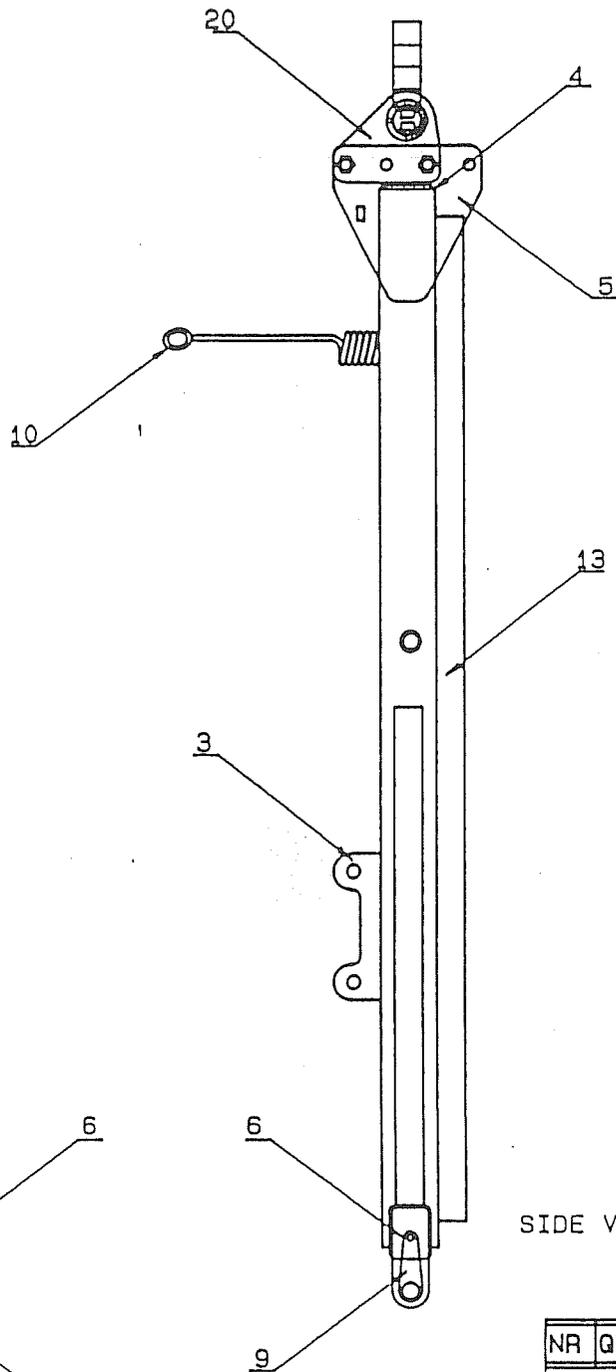
"S" SERIES FW56/64 PLATE

PULL ASSEMBLY GHGA0002

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	CBCFJ000	PULL BACK LUG INNER	2
2	CBCFJ001	PULL LUG OUTER	2
3	CBCFJ002	LEVEL LUG PULL	2
4	CFBFE000	END PLATE	1
5	CFCFJ000	PULL SIDE PLATE	2
6	FABGA025	BOLT M12	2
7	FABJA045	BOLT M20	1
8	FFBJA000	NUT NYLOC M20	1
9	FGBPA135	PULL PIN	2
10	FKNA440	SPRING HOSE HOLDER	1
11	FMAJE000	F/WASHER 20 ID X 40 OD	2
12	MAEEA025A	FLAT 25 X 10	1
13	MAEHB950	FLAT 50 X 10	2
14	MECFA065A	PIPE	2
15	MHHGB864	RHS	2
16	MHHHB200	RHS	1
17	MHKPB950	PULL BEAM (RHS)	1
18	HJBHA000	BASE PLATE FOR 3/4 HYD. HOSE	2
19	CBCFU001	PULL TONGUE 50MM FLOPPY	1
20	GNDMF001	S PULL SIDE PLATE RIGHT	1
21	GNDMF000	S PULL SIDE PLATE LEFT	1
22	GKFE0000	"S" PARKING JACK	1



TOP VIEW



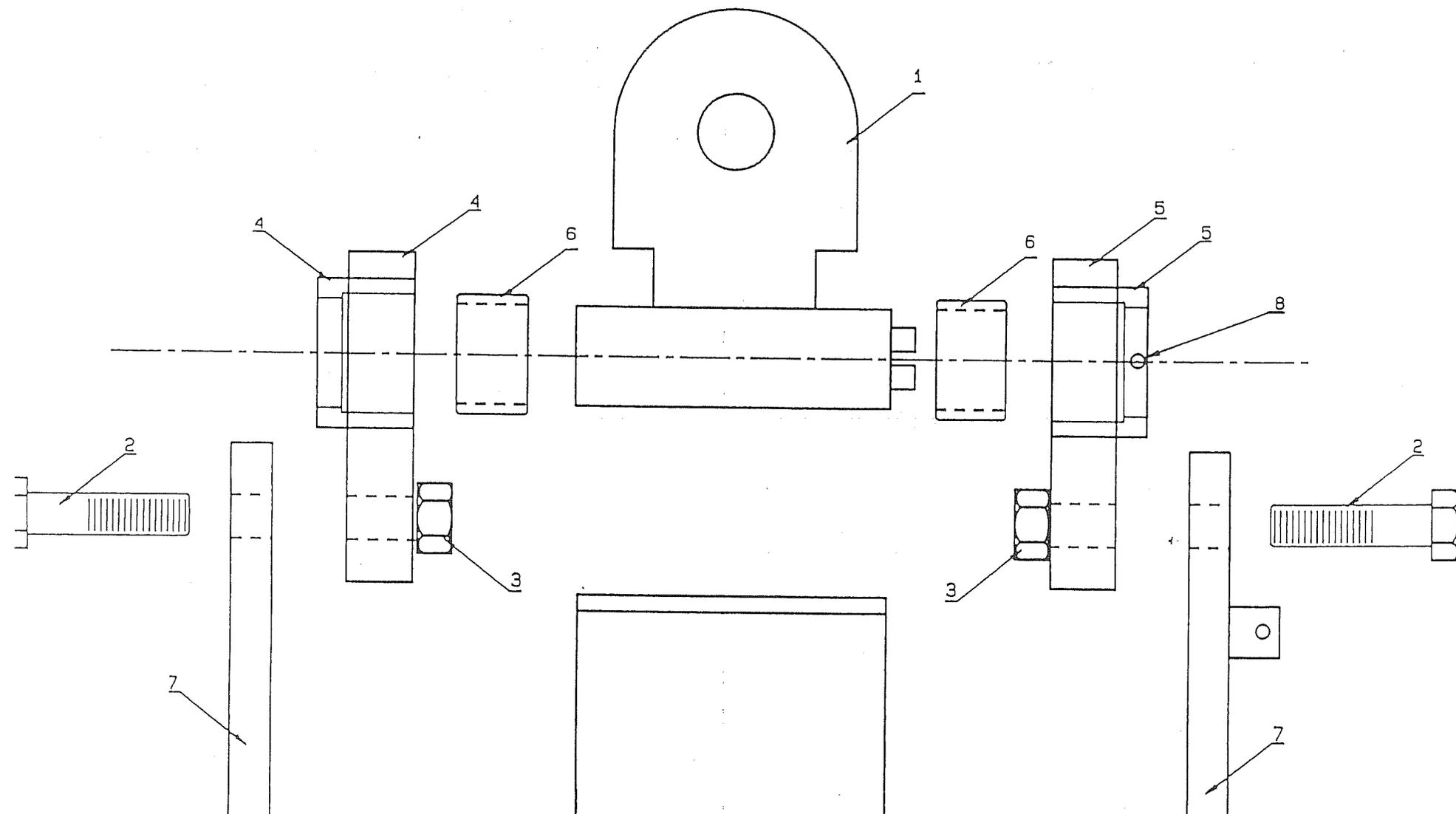
SIDE VIEW

NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: "S" 48-80 PULL				
PART NO GHGA0002				
SCALE 1:10			DATE: 23.8.89 Doc No GHGA0002	

"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	THICKNESS	TYPE
	MM	MM	
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				

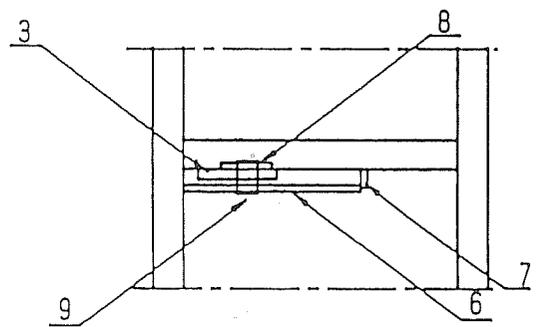
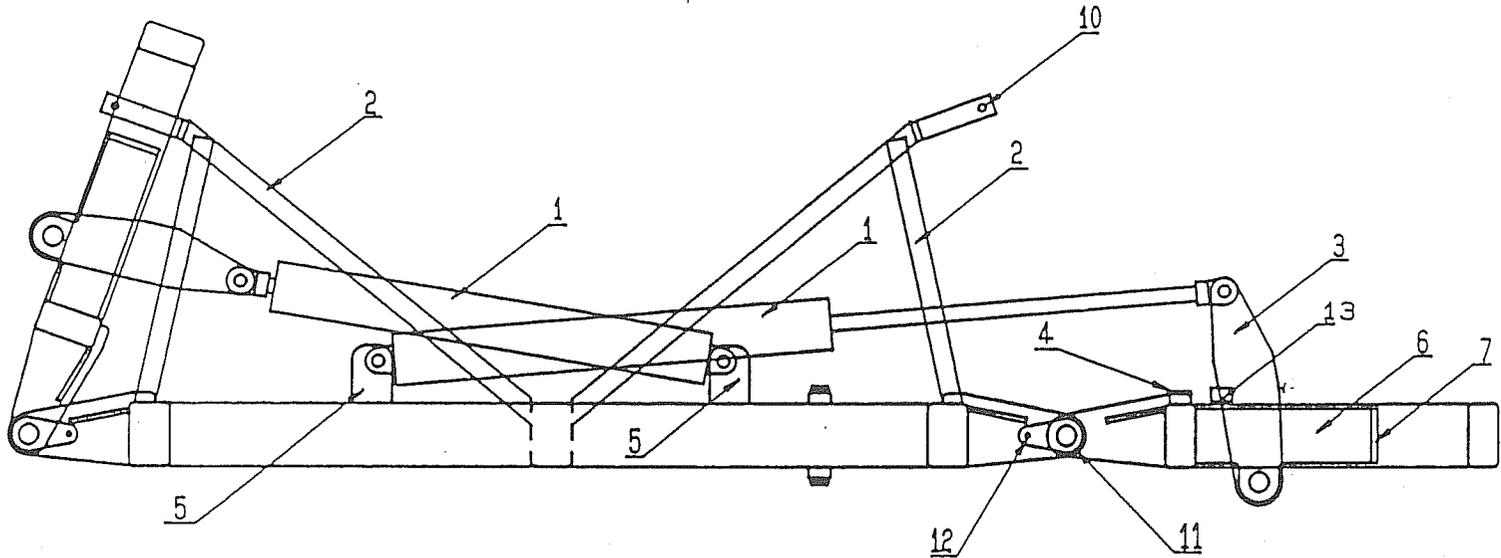
"S" SERIES FW56-64 PLATE

WING FOLDING SYSTEM

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	HYP400/36	HYD. CYL. 4 X 36
2	GNBKG000	WING LOCK UP ASSEMBLY
3	CBBGM001	WING LIFT ARM
4	CGBGPO00	BLOCK PLATE 100 X 60
5	CBBGM003	RAM LUG
6	CGBGJ001	SIDE PLATE
7	MAGGA130	FLAT
8	CBBGJ000	SIDE LUG PLATE
9	MDDEA080	PIN 50MM
10	FGAFA145	WING LOCKUP PIN
11	* FGBUA125	WING HINGE PIN
12	FABGA025	BOLT M12
13	CGBGP001	BLOCK PLATE 60 X 40

NOTE:

* CHANGE HAS BEEN MADE REFER PAGE 45



TYPICAL S-48, S-56 & S-64.

GRIZZLY ENGINEERING PTY. LTD		
TITLE: FRAME & WING ASSY. (BACK VIEW)		
PART NO. ---		
SCALE: 1:13.8	DATE: 5-9-89	DRG NO: S48FWBV

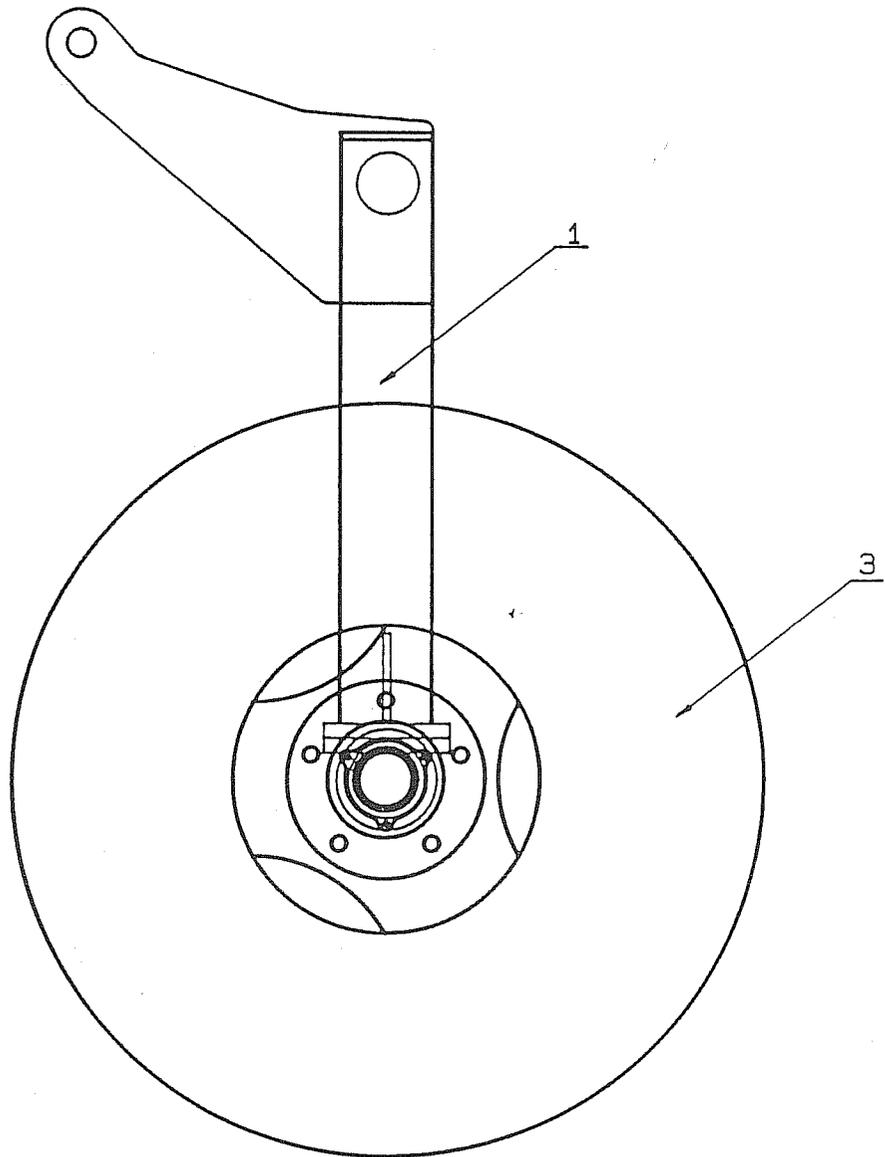
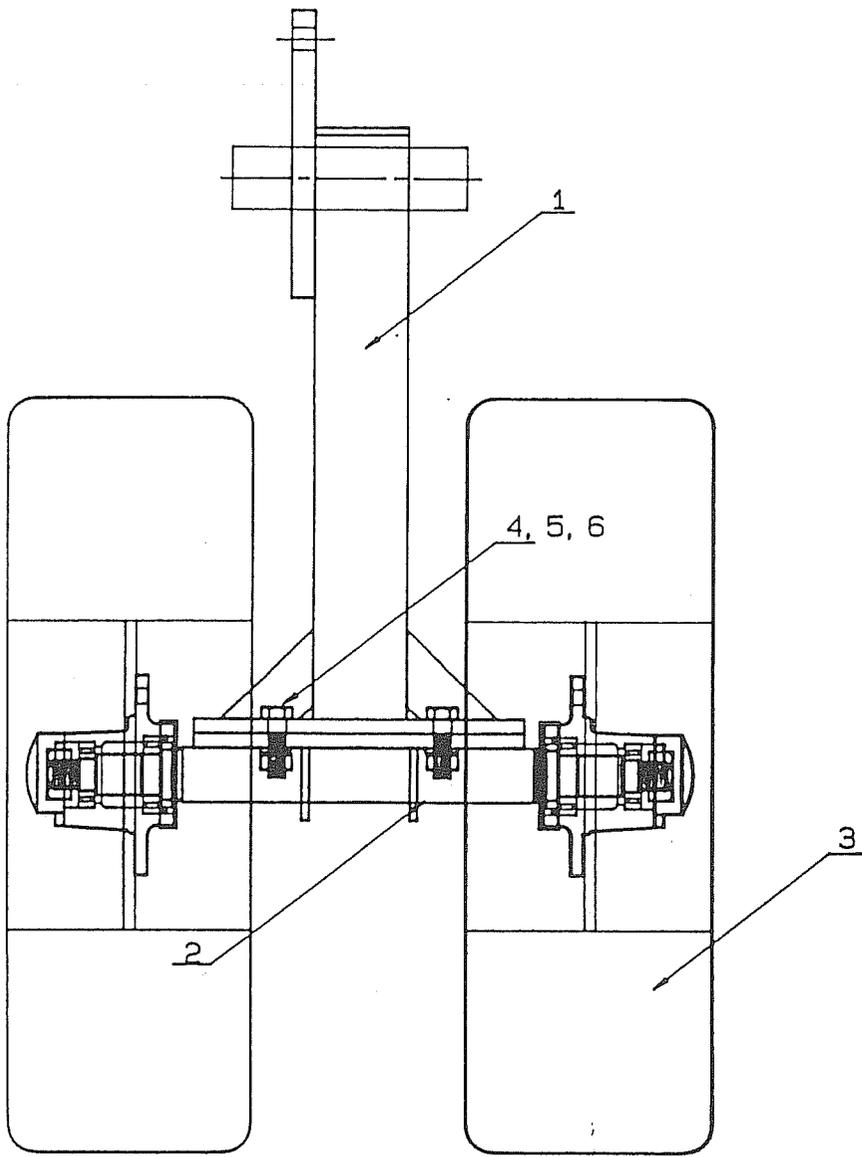
"S" SERIES FW56/64 PLATE

WHEEL ASSEMBLY H60

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	GJGA0001	WHEEL LIFT ASSEMBLY LEFT	1
2	WMJAA675	HUB & STUB ASSY H60 9.00 DUALS	1
3	WSJddb00	H60 RIM & TYRE ASSY 9.00 X 16 8PLY	2
4	FABJA065	BOLT M20	4
5	FFBJA000	NYLOC NUT M20	4
6	FMCJG000	WASHER 20 ID X 40 OD	4

NOTE:

* MACHINES BUILT PRE 1987 MAY HAVE H40 OR H50 HUBS AND STUBS FITTED.
REFER TO MASTER FILE FOR MORE INFORMATION.



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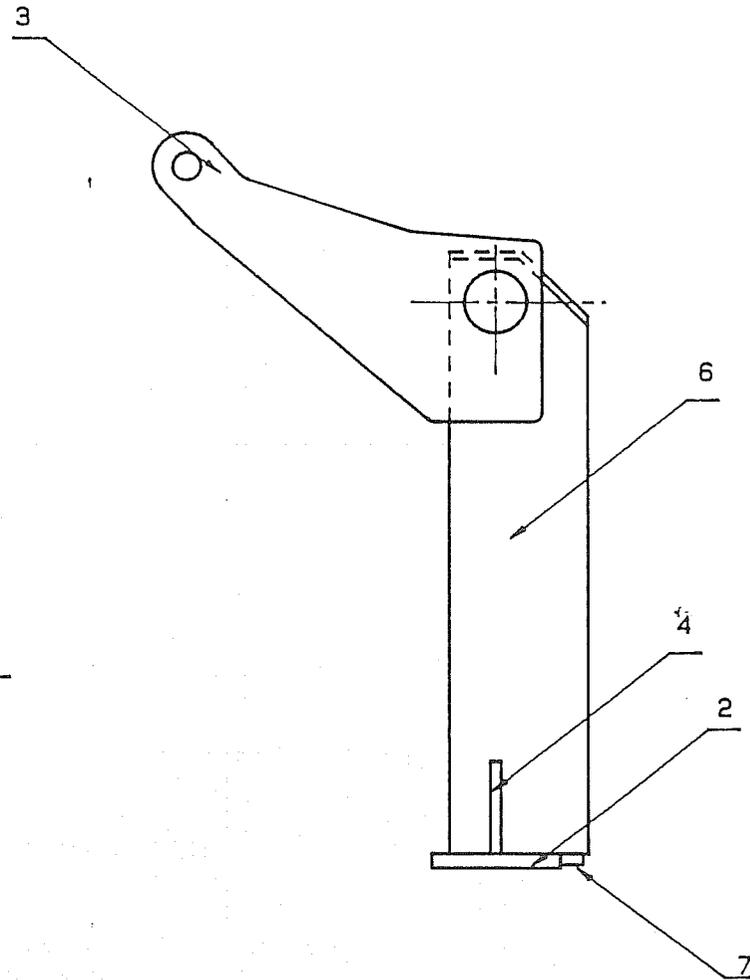
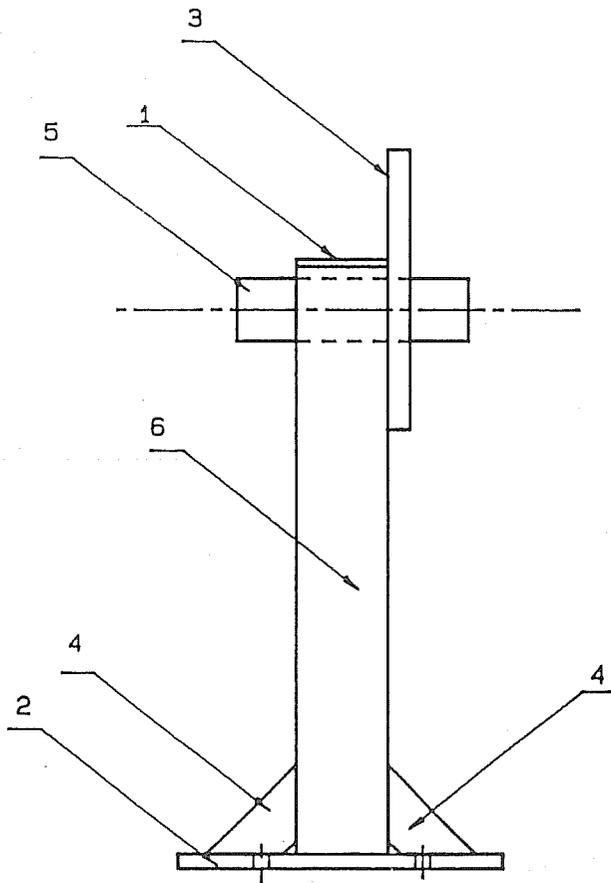
NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE:		WHEEL ASSY S-SERIES	9.00 DUELS	
PART NO				
SCALE	1: 6	DATE: 19.09.88	DRG NO.	SWTV

"S" SERIES FW56-64 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)



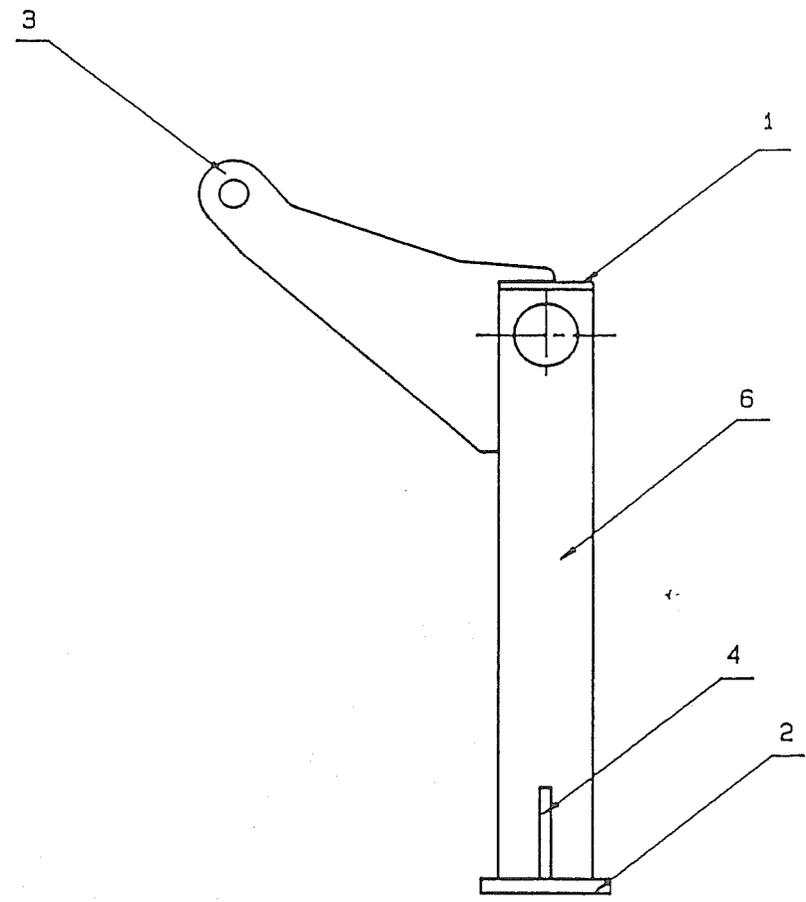
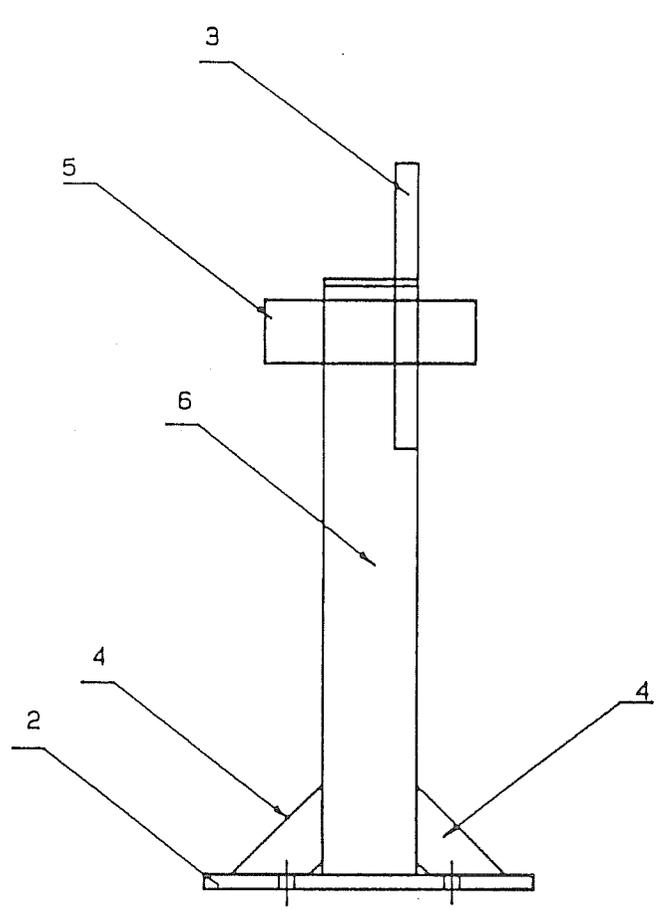
NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: WHEEL LIFT ASSY.LEFT.152x102.				
PART NO gjga0001				
SCALE 1: 6		DATE: 23.8.89	DRG NO.GJGA0001	

"S" SERIES FW56-64 PLATE

WING FRAME 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

NOTE: - GJFA0001 WHEEL LIFT ASSEMBLY LEFT IS A MIRROR IMAGE OF
GJFA0002 WHEEL LIFT ASSEMBLY RIGHT.



NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: WHEEL LIFT ASSY. S.H.S 102 X 102.				
PART NO GJFA0001				
SCALE 1: 6		DATE: 23.8.89		DRG NO. GJFA0001

"S" SERIES

WHEEL LIFT SIDE PLATE ASSEMBLY

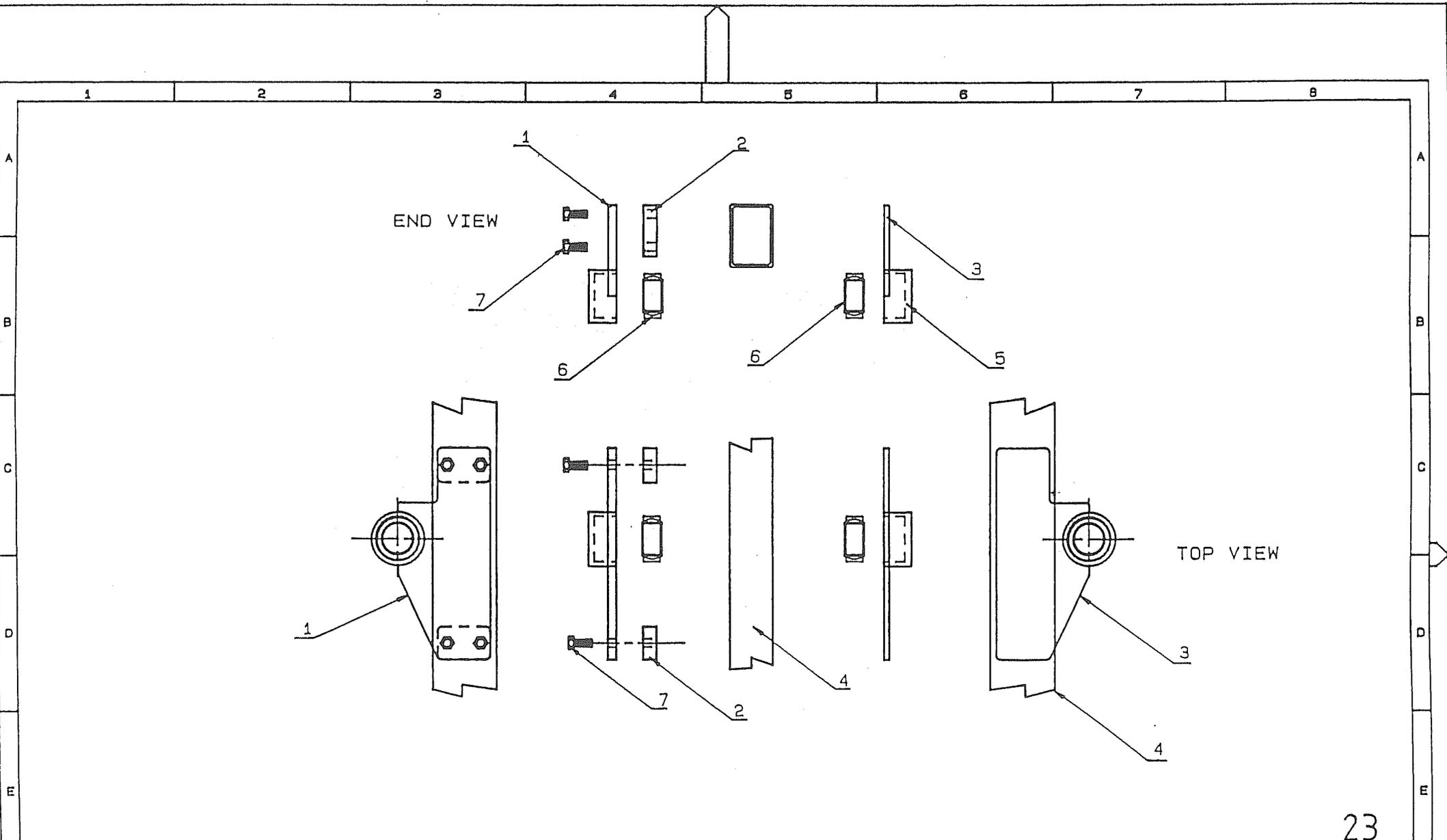
<u>NO.</u>	<u>PARTNO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	GJHB0000R	W/A SIDE PALE ASSSY INNER (RIGHT)	1
2	CCEFP000	W/A SPACER BLOCKS	2
3	GJFB0003R	W/A SIDE PLATE ASSY OUTER (RIGHT)	1
4	MHHND600	MAIN FRAME BEAM	1
5	MFWYA065A	BALL BUSH HOUSING	2
6	BDMZA000	BALL BUSHING	2
7	FABJA045	BOLT M20	4

NOTE:

GJHB0000L - W/A SIDE PLATE ASSY INNER LEFT.

GJFB0003L - W/A SIDE P;LATE ASSY OUTER LEFT.

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

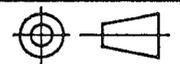


23

ALL DIMENSIONS IN MILLIMETERS.
TOLERANCES

LINEAR ± 0.8

ANGULAR ± 0.8



GRIZZLY ENGINEERING.

DRAWN G. BAILEY

CHECKED -----

APPROVED -----

TITLE: WHEEL ASSY. SIDE PLATE BEARING ASSY.

ISSUE	DATE	ZONE	CHANGE	BY	CKD

AMENDMENTS.

AS1100

DATE 27-6-90

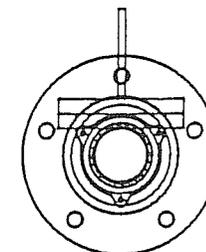
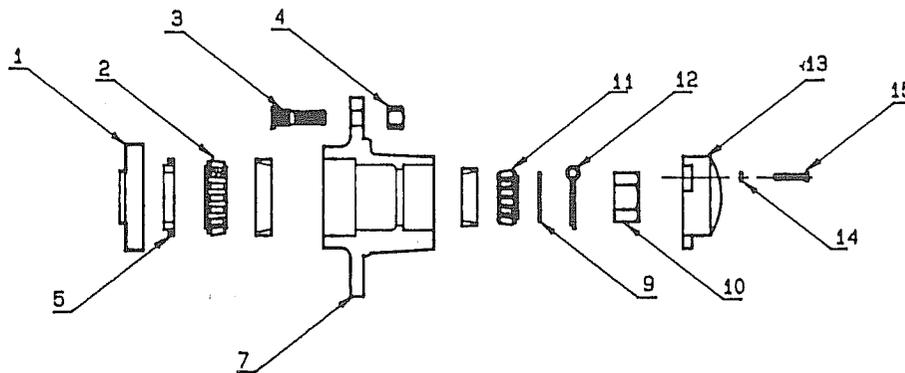
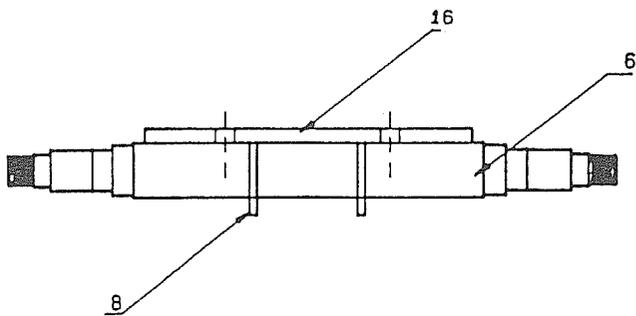
SCALE NO SCALE DRAWING NO. SIDEASSY A3

"S" SERIES FW56/64 PLATE

HUB & STUB ASSEMBLY - WMJAA675

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	BNJAA000	DUST COVER	1
2	BBGAA000	BEARING FOR H60 HUB LARGE	1
3	FDBHA000	STUD WHEEL 5/8 X 1 7/8	5
4	FFFHA000	NUT WHEEL 5/8	5
5	BNJBA000	SEAL FOR H60 HUB	1
6	WAJAA675	H60 STUB AXLE BARE 9 X 16 DUALS	1
7	WJJBA000	HUB H60 BRG KIT FITTED	1
8	CAEGE001	GUSSET H60 AXLE	2
9	FMASAK00	FLAT WASHER	1
10	FFCPA000	NUT SLOTTED	1
11	BCJAA000	BEARING FOR H60 HUB SMALL	1
12	FKCEA063	SPLIT PIN	1
13	WKJAA000	CAP FOR H60 HUB	1
14	FMBDCB00	WASHER SPRING 6MM	3
15	FABDA016	BOLT M6	3
16	CGEFH000	AXLE BASE PLATE 16MM	1

NOTE: - WBJBA675 H60 STUB AXLE ASSY CONSISTS OF ITEMS 6, 8 & 16.
- BAJAA000 H60 BEARING KIT CONSISTS OF ITEMS 2, 5, 11 & 12.
- MACHINES BUILT PRE 1987 MAY HAVE H40 OR H50 HUB AND STUBS
FITTED. REFER MASTER FILE FOR MORE INFORMATION.



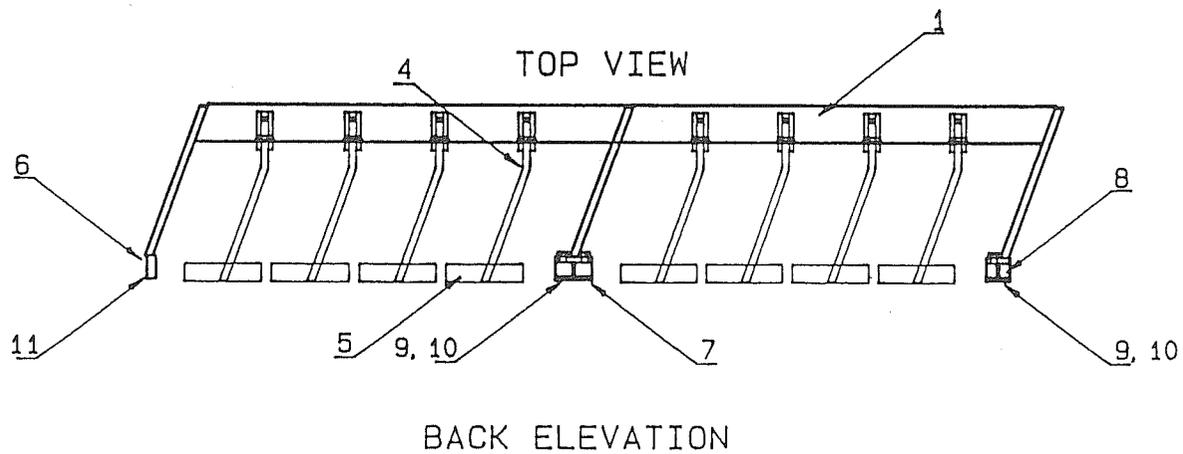
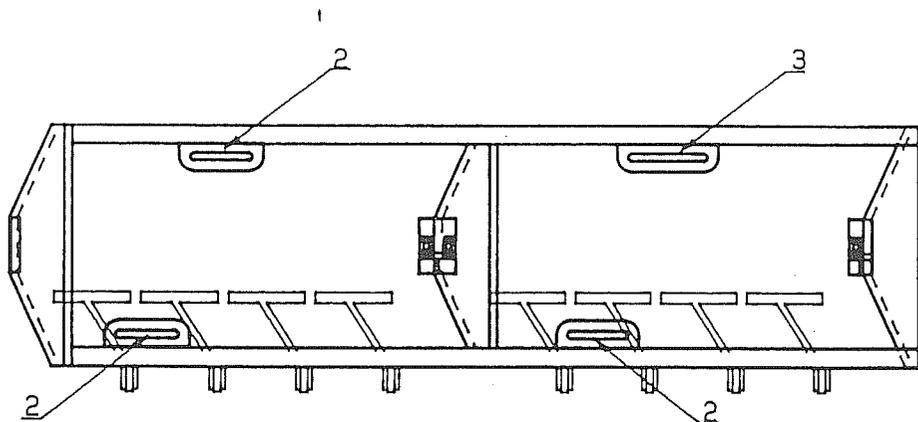
NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: HUB & STUB ASSY. 9.00 DUELS				
PART NO WMJAA675, WBJBA67				
SCALE 1: 6		DATE: 24.8.89		DRG NO.WMJAA675

"S" SERIES FW56/64 PLATE

GANG FRAME NO.1 ASSEMBLY

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	S64G1	GANG FRAME NO.1
2	LADJA150	SLOT 150MM
3	LADJA200	SLOT 200MM
4	* GFFAA210	SCRAPER ASSEMBLY LEFT
5	MCCHA210	SCRAPER PAD
6	CBAFM000	AXLE CARRIER KISSING
7	GEGBA000	AXLE CARRIER DOUBLE
8	GEGEA000	AXLE CARRIER RIGHT
9	FABHA085	BOLT M16
10	FFBHA000	NUT NYLOC M16
11	FABGA065A	BOLT M12 WITH HOLE

NOTE * CHANGE HAS BEEN MADE. REFER PAGE 42.



NOTE: TYPICAL OF 56 PLATE.

27

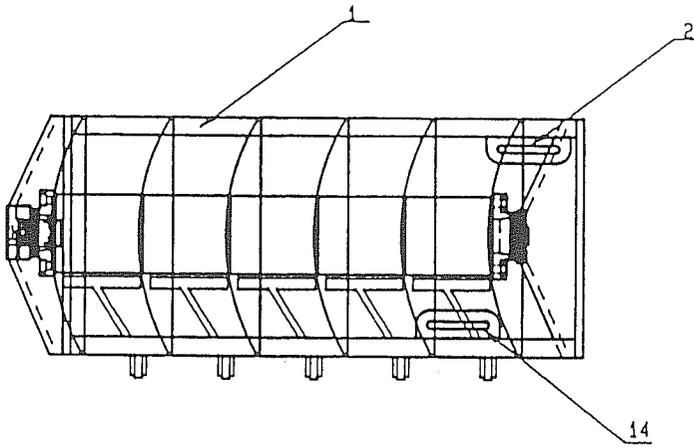
GRIZZLY ENGINEERING PTY. LTD		
TITLE: GANG ASSY "S" 64 NO.1		
PART NO.		
SCALE: 1: 14.8	DATE: 4.9.89	DRG NO: S64G1

"S" SERIES FW56/64 PLATE

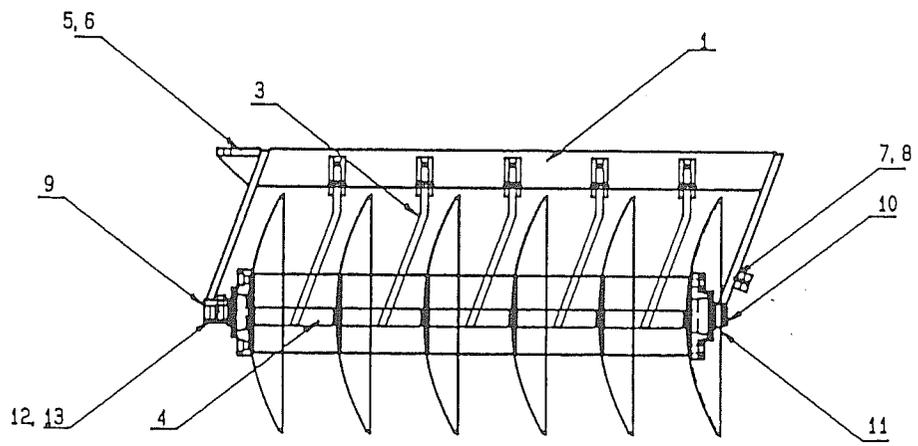
GANG FRAME NO.2 ASSEMBLY

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	S48G2	GANG FRAME NO.2
2	LADJA150	SLOT 150MM
3	* GFFAA210	SCRAPER ASSEMBLY LEFT
4	MCCHA210	SCRAPER PAD
5	MAHMA120	PIVOT PLATE
6	CJAZE005	PIVOT PLATE GUSSET
7	GNABG000	SPACER BLOCK ASSEMBLY
8	FBBFA035	BOLT CS'K KD M10 X 35
9	GEGDA000	AXLE CARRIER SINGLE LEFT
20	CBAFM000	AXLE CARRIER (KISSING)
11	FABGA065A	BOLT M12 WITH HOLE
12	FABHA085	BOLT M16
13	FFBHA000	NYLOC NUT M16
14	LADJA100	SLOT 100MM

NOTE * CHANGE HAS BEEN MADE. REFER PAGE 42.



TOP VIEW



BACK ELEVATION

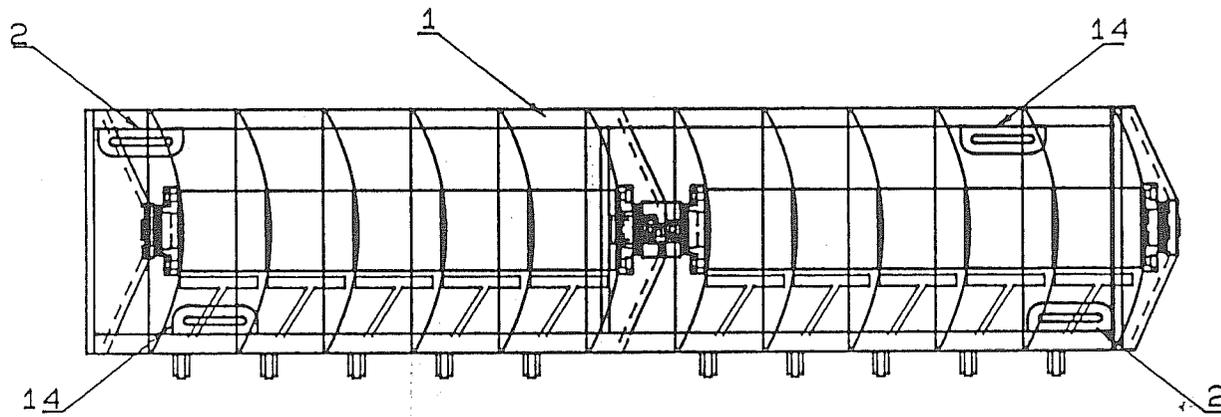
GRIZZLY ENGINEERING PTY. LTD			
TITLE: GANG ASSY "S" 48-64 NO.2			
PART NO.			
SCALE: 1: 14.8	DATE: 4.9.89	DRG NO: S48G2	

"S" SERIES FW56/64 PLATE

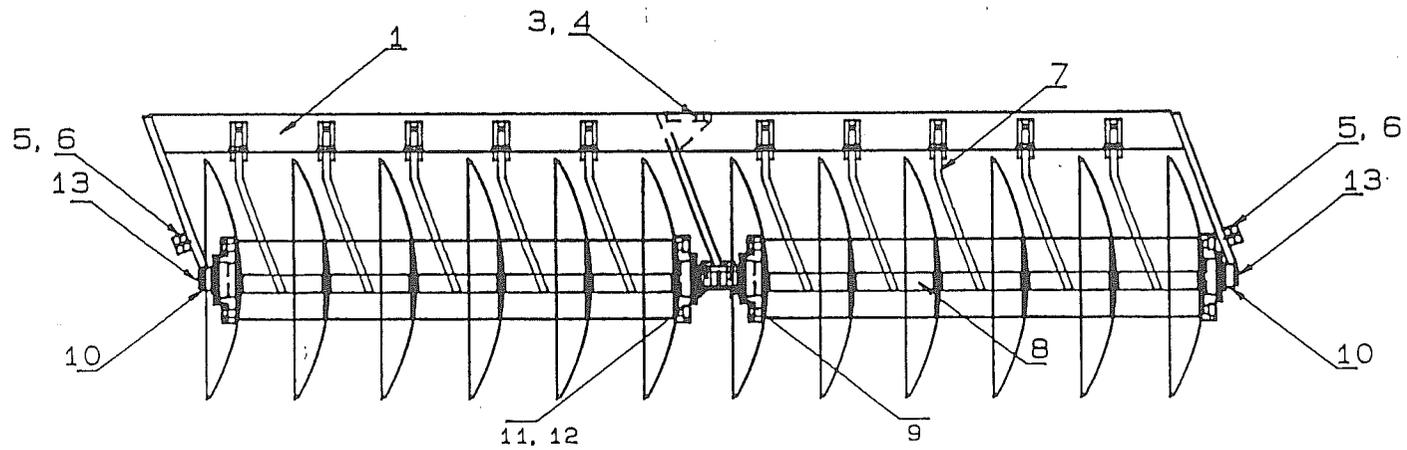
GANG FRAME NO.4 ASSEMBLY

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	S48G4	GANG FRAME
2	LADJA150	SLOT 150MM
3	MAHMA120	PIVOT PLATE
4	CJAZE005	PIVOT PLATE GUSSET
5	GNABG000	SPACER BLOCK ASSEMBLY
6	FBBFA035	BOLT CS'K HD M10 X 35
7	* GFFBA210	SCRAPER ASSEMBLY RIGHT
8	MCCHA210	SCRAPER PAD
9	GEGBA000	AXLE CARRIER (DOUBLE)
10	FABGA065A	BOLT M12 WITH HOLE
11	FABHA085	BOLT M16
12	FFBHA000	NYLOC NUT M16
13	CBAFM000	AXLE CARRIER (KISSING)
14	LADJA100	SLOT 100MM

NOTE * CHANGE HAS BEEN MADE. REFER PAGE 42.



TOP VIEW



BACK ELEVATION

GRIZZLY ENGINEERING PTY. LTD			
TITLE: GANG ASSY "S" 48-64 NO. 4			
PART NO.			
SCALE: 1: 14.8	DATE: 5.9.89	DRG NO: S48G4	

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

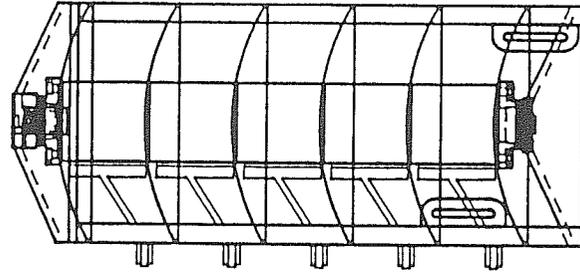
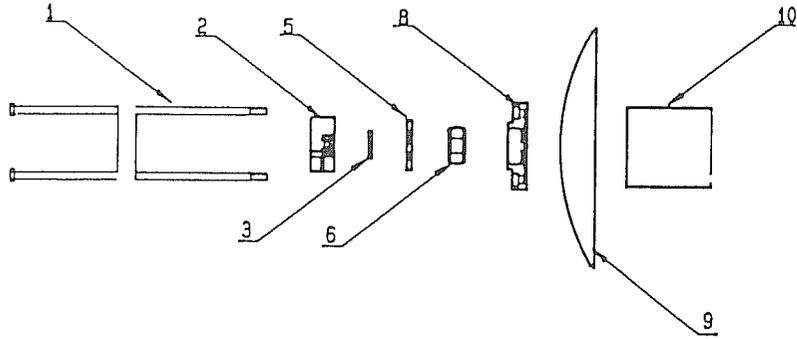
NOTE: - SERIES I

BEARING HOUSINGS AND DUST COVER LISTED BELOW.

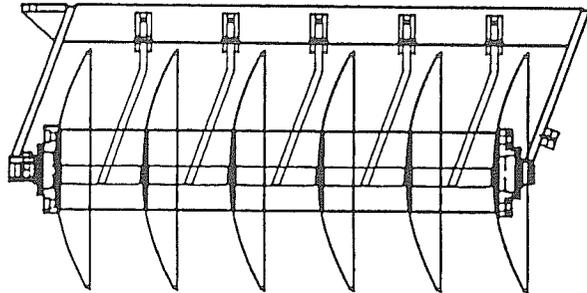
- BGB100B0 LEAD BEARING HOUSING, SERIES I
- BHB100B0 THRUST BEARING HOUSING, SERIES I
- BNTAA000 DUST COVER WITH NEOPRENE INSERT, SERIES I

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

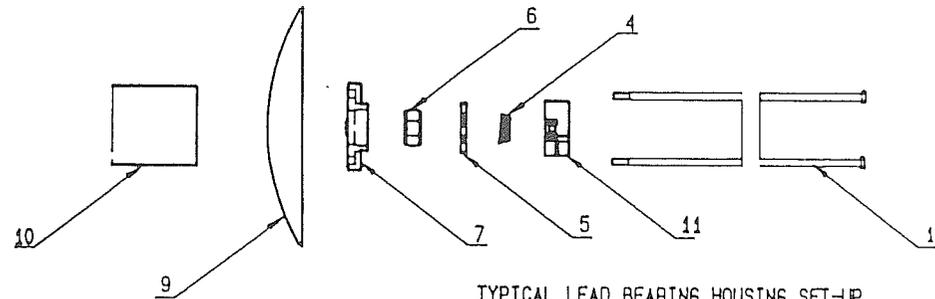
TYPICAL THRUST BEARING HOUSING SET-UP
ON "S" SERIES MACHINES.



TOP VIEW



BACK ELEVATION



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

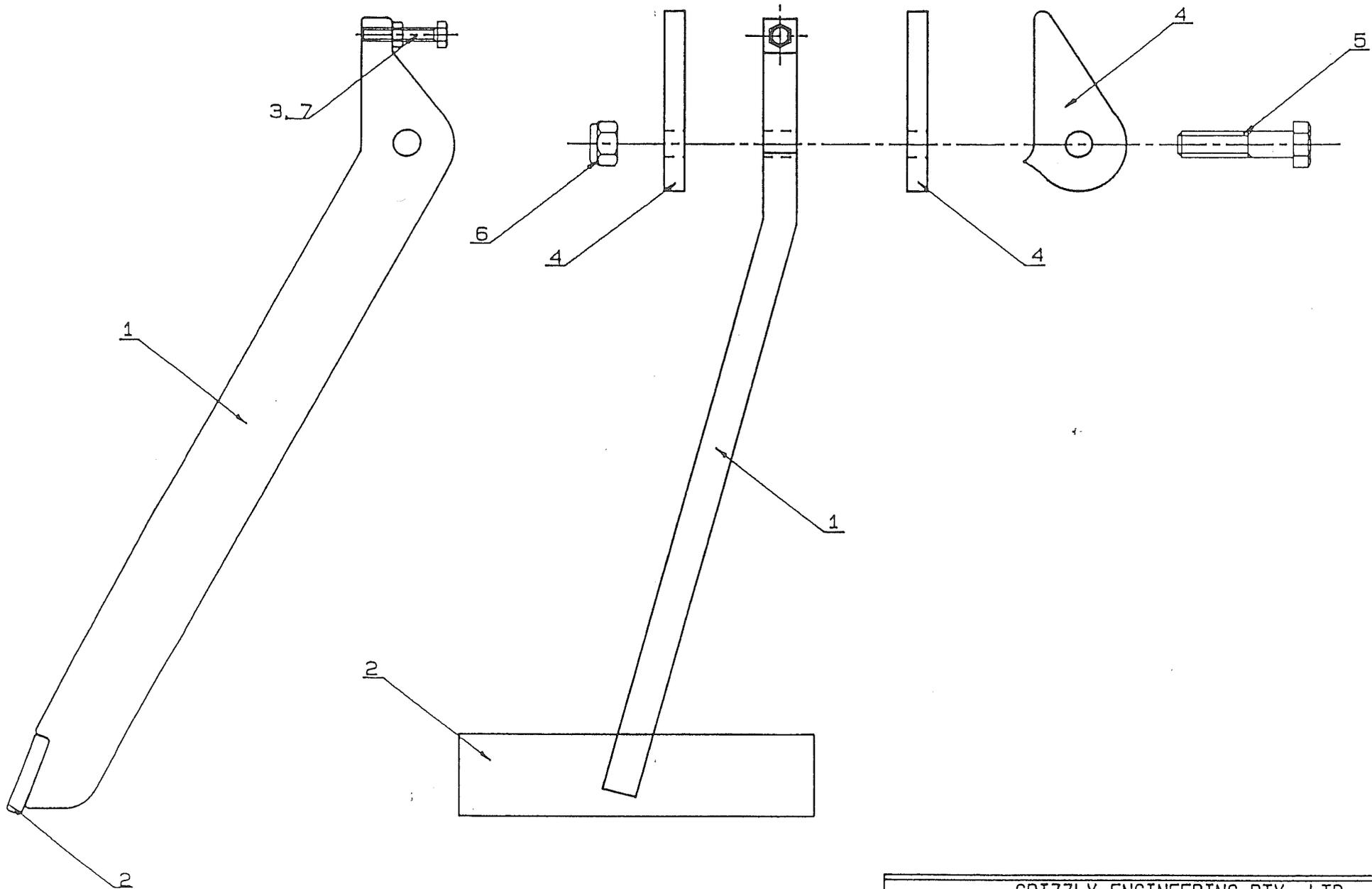
GRIZZLY ENGINEERING PTY. LTD		
TITLE: GANG ASSY "S" 48-64 NO.2		
PART NO.		
SCALE: 1:14.8	DATE: 4.9.89	DRG NO: S4862

"S" SERIES FW56-64 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 42.



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

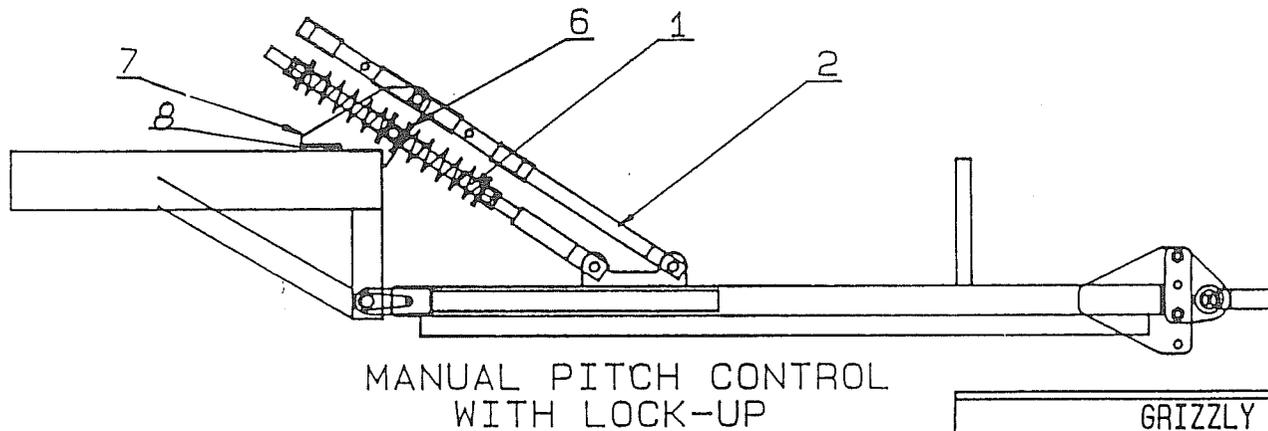
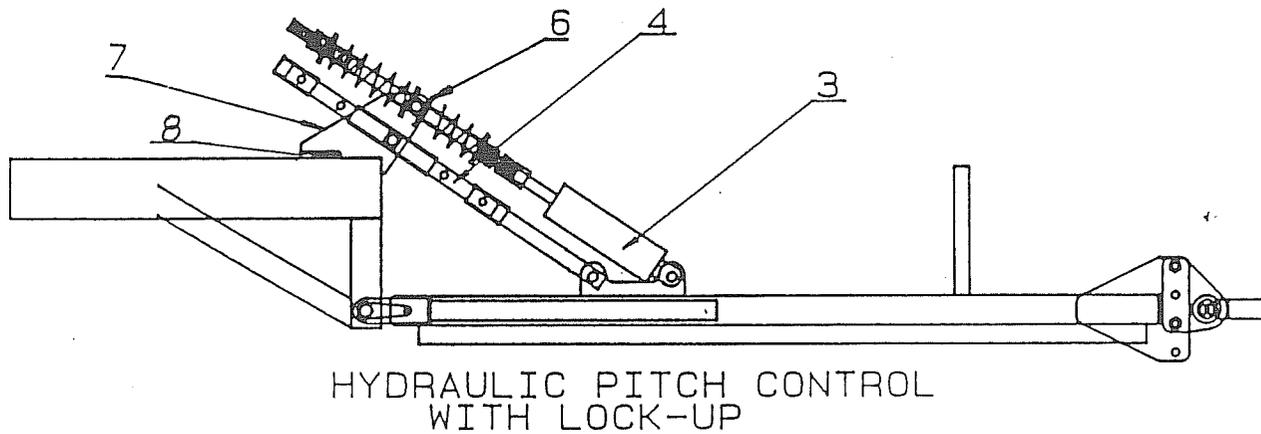
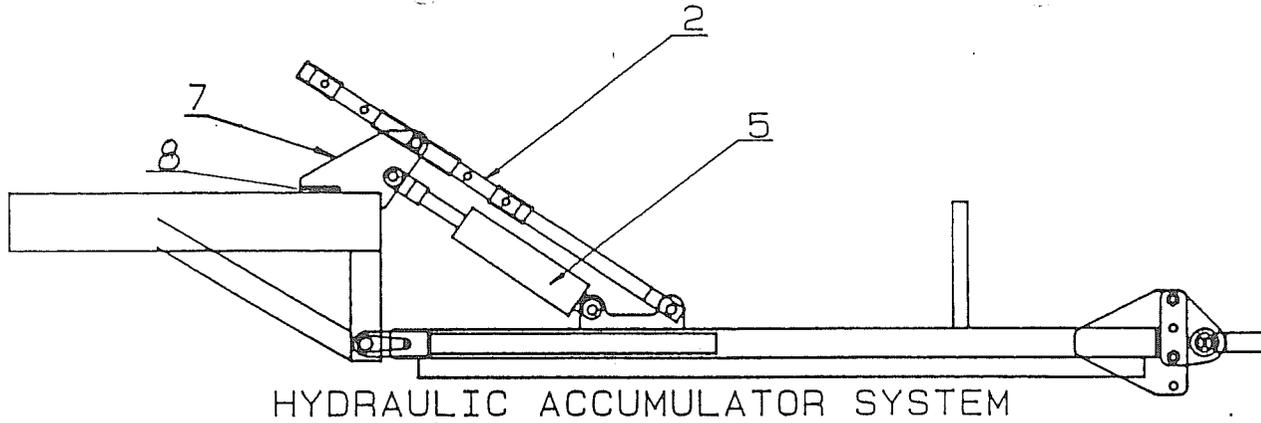
"S" SERIES FW56/64 PLATE

"S" FOLDING PULL OPTIONS (SPULL)

<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 ASSEMBLY "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
NUMBER 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

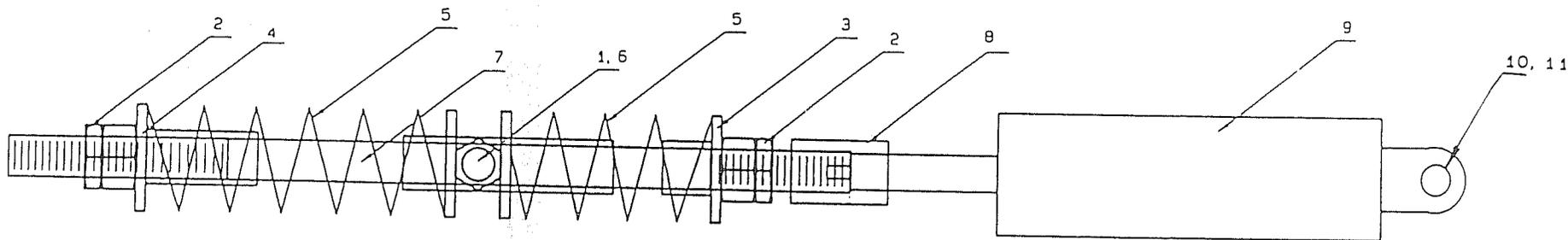
<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	FABKA050	BOLT M24	2
2	FFDPA000	HALF NUT 1-1/4 BSW	2
3	FFGPA040	SPRING ASSEMBLY NUT 40MM	1
4	FFGPA090	SPRING ASSEMBLY NUT 90MM	1
5	FHNPA240	SPRING 240MM	2
6	* GKFA0001	"S" SWIVEL ASSEMBLY 24MM BOLTS	1
7	FPJPA760	THREADED BARE 760MM	1
8	HHFEZ000	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
12	FKAEA000	LYNCH PIN 6mm	1

LEVEL ROD ASSEMBLY

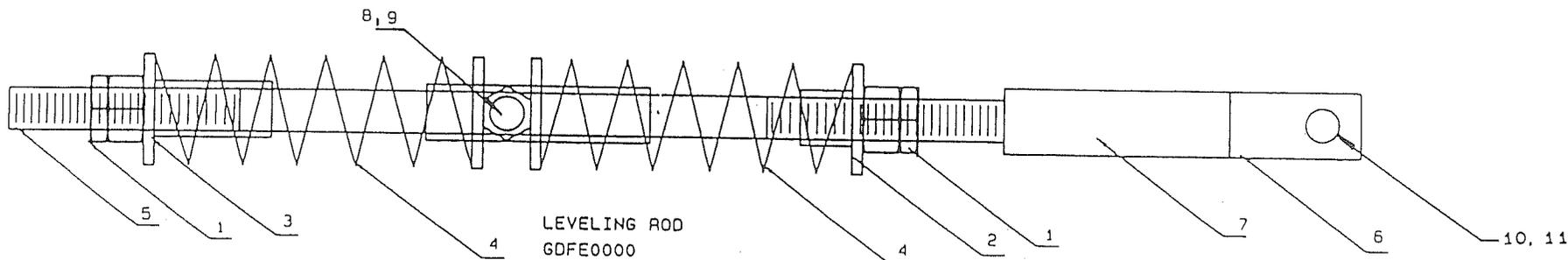
1	FFDPA000	HALF NUT 1-1/4 BSW	2
2	FFGPA040	SPRING NUT ASSY 40MM	1
3	FFGPA090	SPRING NUT ASSY 90MM	1
4	FHNPA240	SPRING 240MM	2
5	FPJPA760	THREADED BAR 760MM	1
6	MAEHA100B	FLAT 50 X 10	2
7	MJAPA270A	SQUARE 50 X 50	1
8	* GKFA0001	"S" SWIVEL ASSEMBLY 24MM BOLTS	1
9	FABKA050	BOLT M24	2
10	FGBKA135	PIN 1"	1
11	FMCMG000	F/WASHER	4
12	FKAEA000	LYNCH PIN 6mm	1

NOTE:

* CHANGE HAS BEEN MADE



HYD PITCH CONTROL OPTN.
GDFG0000



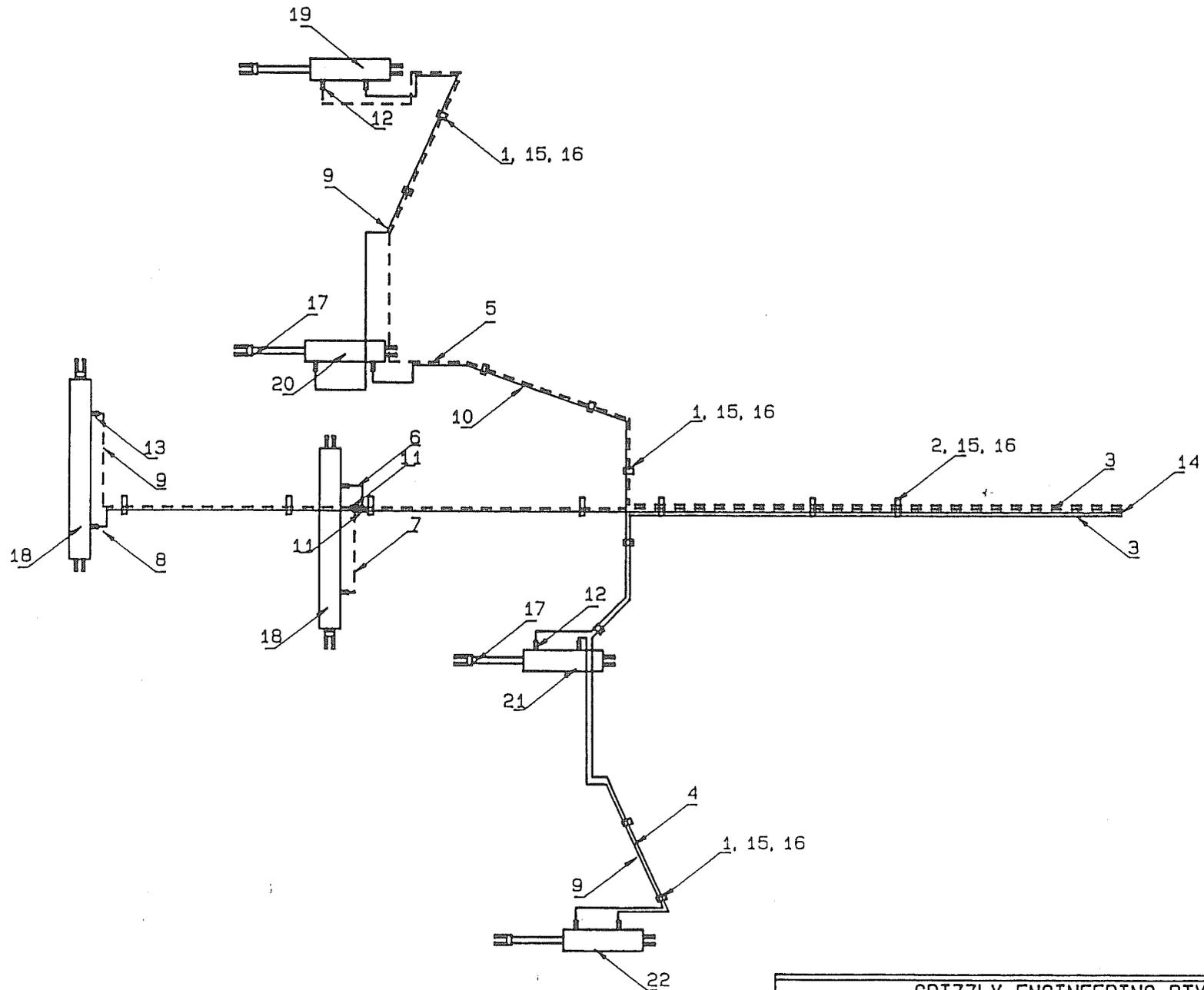
LEVELING ROD
GDFF0000

NR	QTY	PART, MATERIAL	DIMENSIONS	PART NO.
GRIZZLY ENGINEERING PTY				
TITLE: LEVELING ROD				
PART NO GDFF0000				
SCALE 1: 3		DATE: 19.04.89		DRG NO. GDFF0000

"S" SERIES - FW 56/64 PLATE

HYDRAULIC KIT - HFGA6056/64

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	FAGEA045	BOLT M8 X 45 GRADE 8.8	13
2	FABEA080	BOLT M8 X 80 GRADE 8.8	3
3	HGCAG300	HOSE (6,300) HHAKBU07 HHAKMU07	2
4	HGCAH600	HOSE (7,600) HHAKBU07 HHAKMU07	1
5	HGCAJ700	HOSE (8,700) HHAKBU07 HHAKMU07	1
6	HGCCA500	HOSE (500) HHAKBUOY BOTH ENDS	1
7	HGCCA800	HOSE (800) HHAKBU07 BOTH ENDS	1
8	HGCCC000	HOSE (2,000) HHAKBUOY BOTH ENDS	1
9	HGCCC300	HOSE (2,300) HHAKBU07 BOTH ENDS	3
10	HGCCD700	HOSE (3,700) HHAKBU07 BOTH ENDS	1
11	HHAAA77	FITTING TEE M/M/M. 3/4"	2
12	HHABAM07	FITTING U.N O RING J,I,C,M,N	10
13	HHABAM07A	FITTING 900 ELBOW/RESTRICTOR	2
14	HHDMNW07	QUICK RELEASE COUPLING 3/4"	4
15	HJBCA000	CLAMP SHELL 3/4-3/4	42
16	HJBFA000	TOP PLATE FOR 3/4 CLAMP	16
17	HRDBA285	TRANSPORT BLOCK (285MM) P.T.E.	2
18	HYP400/36	HYD. CYL. 4" X 36"	2
19	HZP375/12	HYDRAULIC CYL. 3.75" X 12"	1
20	HZP400/12	HYDRAULIC CYL. 4" X 12"	1
21	HZP425/12	HYDRAULIC CYL. 4.25" X 12"	1
22	HZP450/12D	HYD. CYL. 4.5 X 12" D/STOP	1



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GRIZZLY ENGINEERING PTY. LTD			
TITLE: S-64 HYDRAULIC SYSTEM			
PART NO.			
SCALE: 1: 25.53	DATE: 17-10-89	DRG NO: S64HSPC	

CHANGES - "S" SERIES FW56-64 PLATE

REFERENCE		OLD	NEW	DATE OF	SERIAL NO.	NOTES
PAGE	ITEM	PART NO.	PART NO.	CHANGE	OF CHANGE	
14	11	FGBUA380	FGBUA125	1988		FROM 50 X 380mm TO 50 X 125mm
26,28,34	3,4,1	GFFAB210	GFFAA210	1986		LENGTHENED FROM 410mm TO 460mm
30,34	7,N	GFFBB210	GFFBA210	1986		LENGTHENED FROM 410mm TO 460mm