



QTY.	ITEM	DESCRIPTION
1	1	TIE BAR (BY OTHERS)
2	2	S-MODEL CYLINDER
8	3	FLEX HOSE
4	4	3-WAY SHUT OFF VALVE
2	5	ROD END
4	6	TILLER PIN
2	7	TILLER ASSEMBLY
1	8	RFU-2000 (RUDDER FEEDBACK UNIT)
6	9	SHUT-OFF VALVE (BY OTHERS)
1	10	DARB VALVE (DOUBLE ACTING RELIEF & BYPASS)
2	11	WHEEL (BY OTHERS)
1	12	H36 (HELM PUMP)
1	13	HEADER TANK
1	14	HPU (HYDRAULIC POWER UNIT)
1	15	MSA (MOTOR STARTER & ALARM)
4	16	AP-66 (ALARM PANEL)
1	17	EW200 (ELECTRIC WHEEL)
1	18	ROI300 (RUDDER ORDER INDICATOR)
1	19	JO100 (JOG LEVER)
2	20	RAI300 (RUDDER ANGLE INDICATOR)
1	21	CP-36-2 (CONTROL/MODE PANEL)
1	22	SP-66-2 (STARTER PANEL)
1	23	TP-36-2 (TEST PANEL)
1	24	TERMAL BLOCK (BY OTHERS)
1	25	SCA200 (STEERING CONTROL AMPLIFIER)
1	26	SSJB (SOLENOID SELECTOR JUNCTION BOX)

NOTE:
 -SOLID LINES REPRESENT PIPING
 -DASH LINES REPRESENT WIRING FUNCTION
 (NOT CABLE REQUIREMENT)

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TOLERANCES:		(UNLESS SPECIFIED OTHERWISE)	
X.X	+/- 0.1	FRACTION	+/- 1/64
X.XX	+/- 0.01	ANGULAR	+/- 0.5 DEG.
X.XXX	+/- 0.005	SURFACE FINISH	✓
ALL DIMENSIONS IN INCH(mm)			

REV.	DATE	DRAWING/DESIGN CHANGE No.	BY
		JASTRAM ENGINEERING LTD. 487 Mountain Highway North Vancouver, B.C. Canada V7J 2L3 Tel: (604) 986-0714 Fax: (604) 986-0334	
DATE: 08-03-04	SCALE: N/A	DRAWN: G.Q.J.	APPR.
TITLE: S MODEL, ELCTRIC WHEEL TWIN RUDDER W/ 2 HPU			DRAWING NUMBER: D-S00170