



QTY.	ITEM	DESCRIPTION
1	1	TIE BAR ASSEMBLY (BY OTHERS)
2	2	ROD END
2	3	TILLER ASSEMBLY
2	4	TILLER BOLT
2	5	B-MODEL CYLINDER
1	6	RFU-1300 (RUDDER FEEDBACK UNIT)
4	7	2-WAY SHUT OFF VALVE
4	8	FLEX HOSE
1	9	DARB VALVE (DOUBLE ACTING RELIEF & BYPASS)
6	10	SHUT-OFF VALVE (BY OTHERS)
1	11	H90 (HELM PUMP)
1	12	HEADER TANK
1	13	RAI-300 (RUDDER ANGLE INDICATOR)
1	14	JO100-1 (JOG LEVER)
1	15	WHEEL (BY OTHERS)
1	16	HPU (HYDRAULIC POWER UNIT - BY OTHERS)

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

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(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. 467 Mountain Highway North Vancouver, B.C. Canada V7J 2L3 Tel.: (604) 986-0714 Fax: (604) 986-0334			
DATE: 07-04-04		SCALE: N.T.S.	DRAWN: G.Q. APPR. ENG. PROO.
TITLE: B-MODEL, TWIN RUDDER			DRAWING NUMBER: D-S00196