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THIS IS A COMPUTER AIDED DRAWING AND MUST NOT BE ALTERED MANUALLY

Tolerances except as noted

Welding except as noted

Rev.	Description of revision	Chck.	Appr.	Date / Sign.
0	ISSUED FOR CONSTRUCTION	BRT	OH	11-MAY-07/KE
A	CHANGED LENGTH ON HOSE S & INSERT NO. 2 TYPE , ADDED HOSE S	~~BRT~~ TE		04-JUL-07/KE

SHEET NO: 07

ID	HOSE TYPE	BORE	LENGTH (mm)	INSERT no. 1			INSERT no. 2				INSERT MATERIAL	MWP BAR	F-ID	P-ID
				SPEC.	SIZE	FACE	SPEC.	SIZE	FACE	TYPE				
H01	M3K (3000 psi)	1/2"	1780	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12L14	207		
H02	M3K (3000 psi)	3/8"	610	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H03	M3K (3000 psi)	3/8"	630	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H04	M3K (3000 psi)	1/4"	1140	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H05	M3K (3000 psi)	1/4"	1350	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H06	M3K (3000 psi)	1/4"	950	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H07	M3K (3000 psi)	1/4"	1200	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	45°	SAE 12L14	207		
H08	M3K (3000 psi)	3/8"	840	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	45°	SAE 12L14	207		
H09	M3K (3000 psi)	3/8"	900	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	45°	SAE 12L14	207		
H10	M3K (3000 psi)	1/4"	1070	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H11	M3K (3000 psi)	3/8"	700	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H12	M3K (3000 psi)	3/8"	630	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H13	M3K (3000 psi)	1/4"	1490	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H14	M3K (3000 psi)	3/8"	1180	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	STRAIGHT	SAE 12L14	207		
H15	M3K (3000 psi)	3/8"	1195	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	STRAIGHT	SAE 12L14	207		
H16	M3K (3000 psi)	1/2"	700	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12L14	207		
H17	M3K (3000 psi)	1/2"	770	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12L14	207		
H18	M3K (3000 psi)	1/2"	1000	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	45°	SAE 12L14	207		
H19	M3K (3000 psi)	1/2"	970	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12L14	207		
H20	M3K (3000 psi)	1/2"	730	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12L14	207		
H21	M3K (3000 psi)	1/2"	1220	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12L14	207		
H22	M3K (3000 psi)	1/4"	600	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE		SAE 12L14	207		
H23	M3K (3000 psi)	3/8"	850	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H24	M3K (3000 psi)	1/4"	1220	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H25	M3K (3000 psi)	1/4"	1200	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		

SHEET NO: 08

ID	HOSE TYPE	BORE	LENGTH (mm)	INSERT no. 1			INSERT no. 2				INSERT MATERIAL	MWP BAR	F-ID	P-ID
				SPEC.	SIZE	FACE	SPEC.	SIZE	FACE	TYPE				
H01	M3K (3000 psi)	3/8"	1600	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H02	M3K (3000 psi)	1/2"	1600	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	°90	SAE 12L14	207		
H03	M3K (3000 psi)	1/2"	590	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	45°	SAE 12L14	207		
H04	M3K (3000 psi)	3/8"	480	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	45°	SAE 12L14	207		
H05	M3K (3000 psi)	3/4"	650	SAE J514	1 1/16"-12	FEMALE	SAE J514	1 1/16"-12	FEMALE	STRAIGHT	SAE 12L14	207		
H06	M3K (3000 psi)	3/4"	890	SAE J514	1 1/16"-12	FEMALE	SAE J514	1 1/16"-12	FEMALE	90°	SAE 12L14	207		
H07	M3K (3000 psi)	3/4"	1560	SAE J514	1 1/16"-12	FEMALE	SAE J514	1 1/16"-12	FEMALE	45°	SAE 12L14	207		
H08	M3K (3000 psi)	1/2"	1400	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	45°	SAE 12L14	207		
H09	-	-	-	-	-	-	-	-	-	-	-	-		
H10	M3K (3000 psi)	1/2"	800	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12L14	207		
H11	M3K (3000 psi)	1/2"	1550	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12L14	207		
H12	M3K (3000 psi)	1/2"	330	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	STRAIGHT	SAE 12L14	207		
H13	M3K (3000 psi)	1/2"	440	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12L14	207		
H14	M3K (3000 psi)	3/4"	950	SAE J514	1 1/16"-12	FEMALE	SAE J514	1 1/16"-12	FEMALE	45°	SAE 12L14	207		

SHEET NO: 09

ID	HOSE TYPE	BORE	LENGTH (mm)	INSERT no. 1			INSERT no. 2				INSERT MATERIAL	MWP BAR	F-ID	P-ID
				SPEC.	SIZE	FACE	SPEC.	SIZE	FACE	TYPE				
H01	M3K (3000 psi)	1/4"	760	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H02	M3K (3000 psi)	1/4"	710	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H03	M3K (3000 psi)	1/4"	1050	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	45°	SAE 12L14	207		
H04	M3K (3000 psi)	1/4"	1050	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	45°	SAE 12L14	207		
H05	M3K (3000 psi)	1/4"	510	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H06	M3K (3000 psi)	1/4"	510	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H07	M3K (3000 psi)	1/4"	480	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H08	M3K (3000 psi)	1/4"	740	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		

SHEET NO: 10

ID	HOSE TYPE	BORE	LENGTH (mm)	INSERT no. 1			INSERT no. 2				INSERT MATERIAL	MWP BAR	F-ID	P-ID
				SPEC.	SIZE	FACE	SPEC.	SIZE	FACE	TYPE				
H01	M3K (3000 psi)	3/8"	800	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H02	M3K (3000 psi)	1/4"	800	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H03	M3K (3000 psi)	3/8"	700	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	STRAIGHT	SAE 12L14	207		
H04	M3K (3000 psi)	1/4"	700	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H05	M3K (3000 psi)	3/8"	640	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H06	M3K (3000 psi)	3/8"	640	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H07	-	-	-	-	-	-	-	-	-	-	-	-		
H08	M3K (3000 psi)	3/8"	1400	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H09	M3K (3000 psi)	1/4"	430	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H10	M3K (3000 psi)	1/4"	460	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H11	M3K (3000 psi)	1/4"	490	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H12	M3K (3000 psi)	1/4"	560	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H13	M3K (3000 psi)	1/4"	560	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H14	M3K (3000 psi)	3/8"	530	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H15	M3K (3000 psi)	3/8"	860	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	STRAIGHT	SAE 12L14	207		
H16	M3K (3000 psi)	1/4"	820	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H17	M3K (3000 psi)	1/4"	870	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H18	M3K (3000 psi)	1/4"	790	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H19	M3K (3000 psi)	1/4"	830	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H20	M3K (3000 psi)	1/4"	830	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H21	M3K (3000 psi)	1/4"	1750	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H22	M3K (3000 psi)	1/4"	1000	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H23	M3K (3000 psi)	1/4"	1100	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H24	M3K (3000 psi)	1/4"	1400	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H25	M3K (3000 psi)	1/4"	1300	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H26	M3K (3000 psi)	3/8"	2150	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	90°	SAE 12L14	207		
H27	M3K (3000 psi)	1/4"	1200	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	STRAIGHT	SAE 12L14	207		
H28	M3K (3000 psi)	1/4"	1200	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H29	M3K (3000 psi)	1/2"	1160	SAE J514	7/8"-14	FEMALE	SAE J514	7/8"-14	FEMALE	90°	SAE 12L14	207		
H30	M3K (3000 psi)	1/4"	1200	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H31	M3K (3000 psi)	1/4"	1700	SAE J514	9/16"-18	FEMALE	SAE J514	9/16"-18	FEMALE	90°	SAE 12L14	207		
H32	-	-	-	-	-	-	-	-	-	-	-	-		
H33	M3K (3000 psi)	3/8"	540	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	45°	SAE 12L14	207		
H34	M3K (3000 psi)	3/8"	270	SAE J514	3/4"-16	FEMALE	SAE J514	3/4"-16	FEMALE	45°	SAE 12L14	207		

NOTE!

HOSE FITTINGS:

INSERTS

INSERT no. 1 ALWAYS TO BE OF STRAIGHT TYPE

FERRULES

USE FERRULES OF APPROVED TYPE/MATERIAL ACC. TO HOSE AND INSERT FITTING

CLEANING:

ALL HOSES TO BE FLUSHED IN ACCORDANCE WITH: MH FLUSHING PROCEDURE: KA23-0001

PRESSURE TESTING:

ALL HOSES TO BE PRESSURE TESTED IN ACCORDANCE WITH:
MH PRESSURE TEST PROCEDURE: KA32-0001

IDENTIFICATION:

THE LABEL TEXT SHALL CONTAIN FOLLOWING INFO:
SHEET REF. (TOP OF EACH TABLE) AND CORRESPONDING HOSE ID.
E.G: 02H03
IF THE SHEET REFERENCE ALSO REFERS TO AN OPTION CODE,
THIS CODE IS TO BE INSERTED BETWEEN THE SHEET REFERENCE AND THE HOSE ID.
E.G: 02G01H03
THE LABEL MUST BE OF A TYPE WHICH WILL WITHSTAND WEAR AND TEAR,
AND STILL BE READABLE FOR THE LIFETIME OF THE HOSE.
THE HOSE SHALL BE PHYSICALLY LABELLED WITH ONE LABEL IN EACH END,
BESIDE THE CRIMP SLEEVE, FOR ALL HOSES LONGER THAN 1000mm
FOR HOSES SHORTER THAN 1000mm, IT IS SUFFICIENT TO LABEL THE
INSERT no. 2 END ONLY.

ASSEMBLY ON EQUIPMENT:

INSERT no. 2 ON HOSE ARE IDENTIFIED BY A SHADED ARROWHEAD
ON THE HYDRAULIC FLOW DIAGRAM HOSE ID LABELS.

LENGTH MEASUREMENT:

HOSE LENGTHS TO BE MEASURED BETWEEN SEALFACES OF THE HOSE FITTINGS

"F-ID" AND "P-ID" COLUMNS

FLUSHING/PRESSURE TEST LOOP ID'S TO BE FILLED IN (REF KA 23 AND 32)

13	1818059	TORQUE MASTER, HOSE SCHEDULE FOR SHEET 07-10
12	1818058	TORQUE MASTER, HOSE SCHEDULE FOR SHEET 04-06
11	1818057	TORQUE MASTER, HOSE SCHEDULE FOR SHEET 01-03
10	1818056	TORQUE MASTER, TWL
09	1818055	TORQUE MASTER, CASING STABBING GUIDE
08	1818054	TORQUE MASTER, BACK-UP TONG
07	1818053	TORQUE MASTER, SPINNER
06	1818052	TORQUE MASTER, MAIN TONG CHUCK
05	1818051	TORQUE MASTER, MAIN TONG CHUCK CONTROL
04	1818050	TORQUE MASTER, MAIN TONG DRIVE
03	1818049	TORQUE MASTER, MAIN TONG DOLLY
02	1818048	TORQUE MASTER, MAIN FRAME
01	1818047	TORQUE MASTER, MANIFOLD IN DERRICK
SHEET NO	MH DRWG NO	CONTENTS OF DRAWING

Qty.	Item	Description	Drwg./Material	Unit weight	Part number
1	4	HOSE PACKAGE	MH 1818059, ITEM 4		60579
1	3	HOSE PACKAGE	MH 1818059, ITEM 3		60578
1	2	HOSE PACKAGE	MH 1818059, ITEM 2		60577
1	1	HOSE PACKAGE	MH 1818059, ITEM 1		60576

Date: 22-NOV-06	Drawn: JHB	Traced: KE	Scale: NA
Checked: BRT	Approved: OH	Projection:	

Maritime Hydraulics

HIGH EFFICIENCY JACK-UP B276
TORQUE MASTER HOSE SCHEDULE FOR SHEET 07-10
HYDRAULIC FLOW DIAGRAM, SHEET 13

Replaces | Replaced by

Format	Drawing number	Rev.
A1	1818059	A