



NOZZLE SCHEDULE										
MK	NO	SIZE	SCH	RATE	TYPE	PROJECTION		REPAD		DESCRIPTION
						INT.	EXT.	YES	NO	
M1	1	24" 610	40	CLASS 300	RFSO	SEE DETAIL	11" 279		✓	HEAD MANWAY C/W HINGE
N1a	1	8" 219	160	CLASS 300	RFWN	FLUSH	11" 279	✓		EMULSION INLET C/W 12" INLET DIFFUSER
N2a	1	8" 219	160	CLASS 300	RFWN	FLUSH	11" 279	✓		WATER OUTLET C/W VORTEX BREAKER
N3	1	6" 168	160	CLASS 300	RFWN	FLUSH	11" 279	✓		OIL OUTLET (3 PHASE)
N4a	1	6" 168	160	CLASS 300	RFWN	FLUSH	11" 279		✓	GAS OUT (3 PHASE) / OIL OUT (FLOODED)
N5	1	4" 114	XXS	CLASS 300	RFWN	FLUSH	11" 279	✓		OIL BOX LC (3 PHASE)
N6	1	4" 114	XXS	CLASS 300	RFWN	FLUSH	11" 279	✓		PSV
N7	1	2" 60	160	CLASS 300	RFWN	FLUSH	11" 279	✓		PIT
N8	1	3" 89	XXS	CLASS 300	RFWN	FLUSH	11" 279	✓		LOW LEVEL SHUT DOWN
N10a	1	3" 89	XXS	CLASS 300	RFWN	FLUSH	11" 279	✓		INTERFACE PROBE
N10b	1	3" 89	XXS	CLASS 300	RFWN	FLUSH	11" 279	✓		INTERFACE PROBE
N10c	1	3" 89	XXS	CLASS 300	RFWN	FLUSH	11" 279	✓		INTERFACE PROBE
N11	1	4" 114	XXS	CLASS 300	RFWN	FLUSH	11" 279	✓		OIL BOX LSHH (3 PHASE)
N12a	2	2" 60	160	CLASS 300	RFWN	FLUSH	11" 279	✓		LOW VESSEL SAMPLE
N12b	2	2" 60	160	CLASS 300	RFWN	FLUSH	11" 279	✓		LOW VESSEL SAMPLE
N14	1	2" 60	160	CLASS 300	RFWN	FLUSH	11" 279	✓		TEMPERATURE INDICATOR
N19a	2	2" 60	160	CLASS 300	RFWN	FLUSH	11" 279	✓		LEVEL GAUGE
C1	1	1/2" 38	-	CLASS 6000	S.S. TOL	-	-		✓	DRAIN C/W HEX PLUG

MATERIAL LIST				
MK	QTY	DESCRIPTION	MATERIAL	WT
1	1	HEAD 2:1 S.E. 54" I.D. x 5/8" NOM. - 2" S.F.	SA-516-70N	691
2	1	HEAD 2:1 S.E. 54" I.D. x 1" NOM. (0.913" MIN) - 2" S.F.	SA-516-70N	1121
3	1	SHELL - #54" I.D. x 0.625" THK. x 5'-0" WIDE x (14'-3 5/8" LG.)	SA-516-70N	1825
4	5	SHELL - #54" I.D. x 0.625" THK. x 10'-0" WIDE x (14'-3 5/8" LG.)	SA-516-70N	18250
5	1	NOZZLE DETAILS	REF. DWG. SHT.3	2336
6	1	HINGE ASSEMBLY FOR HEAD MANWAY	REF. DWG. SHT.4	44
7	1	OIL WEIR DETAIL	REF. DWG. SHT.5	96
8	1	WATER WEIR DETAIL	REF. DWG. SHT.6	246
9				
10	1	VORTEX BREAKER DETAIL	REF. DWG. SHT.7	43
11	1	INLET DETAIL	REF. DWG. SHT.3	720
12	1	DIFFUSER DETAIL	REF. DWG. SHT.8	-
13	1	SADDLE DETAIL	REF. DWG. SHT.9	1305
14				
15	1	MALONEY VESSEL NAME PLATE	SS	-
16	1	NAME PLATE BRACKET	SA-516-70N	-
17				
18				
19a	2	LIFTING LUG 5/8" THK. x 1'-1 9/16" x 1'-2 9/16" LG. (SEE DETAIL) (*)	SA-516-70N	70
20	2	WALL PLATE: 3/8" THK. x 5'-10" SQ. (C.T.S.) (*)	SA-516-70N	120
21	1	LOWER PLATFORM CLIP: 3/8" THK x 8" x 6 1/4" LG (C.T.S.)	SA-36	5
22	1	UPPER PLATFORM CLIP: 3/8" THK x 8" x 1'-1 3/4" LG (C.T.S.)	SA-36	5
23	2	WEAR PAD: 3/8" THK x 8" x 1'-1/2" (*)	SA-516-70N	5
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NOTE: 1. SEE SHT2 FOR DESIGN DATA & FABRICATION NOTES.			SUBTOTAL x 1.06	34804
			TOTAL (lbs.)	36900

NO	DATE	REVISIONS	BY	APPD
27-08-07		ADDED PLATFORM SUPPORT CLIPS DETAIL (ITEMS #21, #22 & #23)	(C1)	NS
16-08-07		ADDED N19a, WALL PLATES & CORRECTED DIMENSIONS (TWO PLACES)	(C1)	NS EC
07-06-07		CORRECTED ORIENTATION VIEWS OF VESSEL NOZZLES	MFV	KM
07-04-16		ISSUED FOR CONSTRUCTION	VZ	KM

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MALONEY INDUSTRIES STOCK				
DWG TITLE				
INCLINED FREE WATER KNOCKOUT FWK-129				
54" (1372mm) I.D. x 55'-0" (16764mm) LG. S/S - 320 psi GENERAL ARRANGEMENT				
SCALE	DWN BY	TS/VZ	DWG NO.	SHEET NO.
1:30	CHWD	LTW	010488-4-8100-00-001	1 of 10
DATE	07-04-16	APPD	KM	3
WIP NO. 010488-81				