



MATERIALS				
QTY	DESCRIPTION	MATERIAL SIZE	LBS	KG
1	BOILER SHELL	8MM (10MM BACK HEAD)	544	247
1	FIRE BOX	10MM (12.5MM TUBE PLATE)	302	137
1	TUBE PLATE	12.5MM PLATE	67	30
49	TUBES	Ø1.5" 0.125" WALL	189	86
6	STAY TUBES	Ø1.5" 0.25" WALL	42	19
4	LONGITUDINAL STAYS	1" DIAMETER	55	25
49	CROWN STAYS	0.75" DIAMETER	77	35
8	BACKHEAD STAYS	0.75" DIAMETER	7	3
89	SHORT STAYS	0.75" DIAMETER	26	12
1	STEAM OFFTAKE	Ø2.0" 0.25" WALL	7	4
1	STEAM TUBE	Ø2.0" 0.25" WALL	25	11
1	FOUNDATION RING	12.5MM PLATE	27	12
1	TOTAL BOILER		1,364	620

MASS OF BOILER SO FAR 1364 LBS
 MASS OF MINIMUM WATER 432 LBS
 MASS OF WORKING WATER 239 LBS
 MASS OF MAXIMUM WATER 671 LBS

MINIMUM WATER ASSUMED TO 1.5 INCHES ABOVE LOWER GAUGE PORTS
 MAXIMUM WATER ASSUMED TO 1.5 INCHES BELOW UPPER GAUGE PORTS

USE RANGE	TOLERANCE	SURFACE	ARCHIVE	SCALE		
				3x		
DATE	DATE	NAME	DESCRIPTION			
			6 TUBE HORIZONTAL ROW VARIANT			
			Version 10-1			
			DRAWING NUMBER	SHEET		
			Boiler	1		
				OF 1		
INDEX	DESCRIPTION	DATE	NAME	ORIGINAL	EXCHG.	LENGTH