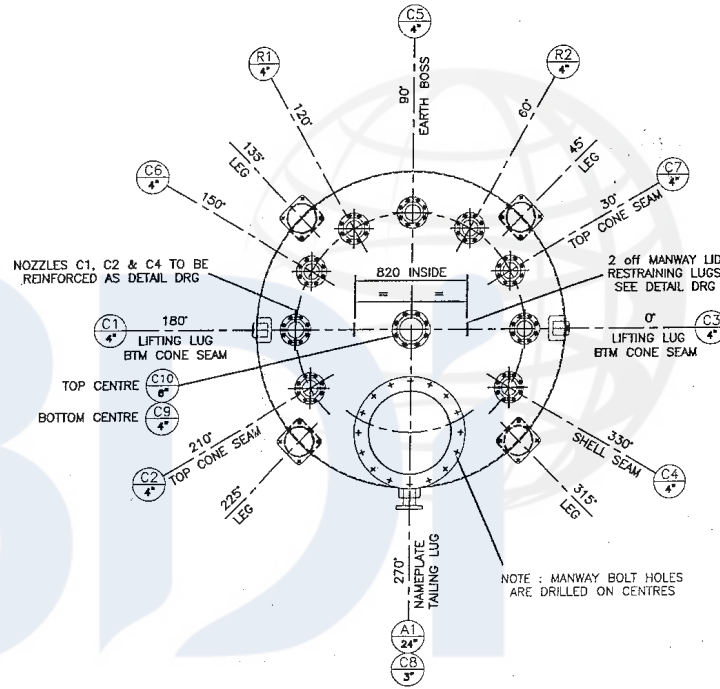


ELEVATION



PLAN VIEW SHOWING TRUE ORIENTATION OF FITTINGS

160

Bibbys of Halifax

VESSEL TITLE: FILTRATE TANK	
PLANT ITEM No. 508/114	DRAWING No. 2307
MANUFACTURER: BIBBYS OF HALIFAX LIMITED	
CONTRACT No. 390/BC	DATE FABRICATED: MAY 2007
CLIENT: JOHNSON MATTHEY CATALYSTS	
CLIENT ORDER No. 8900013695-206	
DESIGN CODE: BS EN14015:2004	

COMPONENT	VESSEL
MAXIMUM DESIGN PRESSURE (Bar g)	+5.06
MINIMUM DESIGN PRESSURE (Bar g)	-0.01
MAXIMUM DESIGN TEMPERATURE (°C)	+50
MINIMUM DESIGN TEMPERATURE (°C)	-10
SHOP HYDRAULIC TEST PRESSURE (Bar g)	FILL WITH WATER
SITE HYDRAULIC TEST PRESSURE (Bar g)	
SHOP HYDRAULIC TEST DATE	MAY 2007
SITE HYDRAULIC TEST DATE	
VOLUME (Litres)	8740
DRY WEIGHT (Tonnes)	1.25

Bibbys of Halifax Limited, Jasper Street Works, Queens Road, Halifax, HE1 4HT, England.
 Tel: 01422 366331 Fax: 01422 330006 E-Mail: bibbys@halifax.co.uk

NAMEPLATE DETAIL

Drg.No. BME/017759

W:\DRAWING\EASTSITE\MECH\STGE_TKS\BME17759.dwg

DESIGN DATA		SURFACE FINISH		NOZZLE DATA				REVISION	DRN	VESSEL WEIGHTS	
VESSEL		COIL/JACKET		REF	SIZE	RATING	STOOUT			WALL THK	SERVICE
WORKING PRESSURE	0.01 BAR G	VESSEL INTERNAL	HOT ROLLED, SOFTENED & DESCALED	A1	24"NB	150mm	230mm	6.35mm	MANHOLE	ABSOLUTE VOLUME : 8,740 Litres	WORKING VOLUME : 8,000 Litres
DESIGN PRESSURE : TOP	N/A	VESSEL EXTERNAL	HOT ROLLED, SOFTENED & DESCALED	C1	4"NB	150mm	Sch 40s		FILTRATE - REINFORCED	REFERENCE DRAWINGS	
DESIGN PRESSURE : BOTTOM	+0.05/-0.01 BAR G	WELD FINISH		C2	4"NB	150mm	Sch 40s	FILTRATE - REINFORCED	DRN R.A. 13.6.07		
TEST PRESSURE	FILL WITH WATER	VESSEL INTERNAL	AS LAID & PICKLED ONLY.	C3	4"NB	150mm	Sch 40s		SPARE - C/W BLIND FLANGE	CHKI C.G. 13.6.07	
WORKING TEMPERATURE	AMBIENT	VESSEL EXTERNAL	AS LAID & ACID CLEANED ONLY.	C4	4"NB	150mm	Sch 40s		CONDENSER RETURN INLET - REINFORCED	DRN R.A. 21.5.07	
DESIGN TEMPERATURE	+80C/-10C	GENERAL NOTES		C5	4"NB	150mm	Sch 40s		VENT	CHKI C.G. 21.5.07	
DESIGN CODE	BS EN14015:2004 (SHELL THICKNESS TO PD5500)	DO NOT SCALE AND IF IN DOUBT ASK.		C6	4"NB	150mm	Sch 40s		NITROGEN	DRN R.A. 26.3.07	
NDT	100% DYE PEN OF MAIN SEAMS & LIFTING LUGS	ALL WELDS TO BE CONTINUOUS UNLESS OTHERWISE STATED.		C7	4"NB	150mm	Sch 40s		VAC / VENT	CHKI C.G. 26.3.07	
CORROSION ALLOWANCE	0mm	ALL FLANGE BOLT HOLES SET OFF VESSEL CENTRE LINES UNLESS OTHERWISE STATED.		C8	3"NB	150mm	Sch 40s		CONDENSER RETURN INLET - REINFORCED	DRN R.A. 26.3.07	
MATERIAL DATA		ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.		C9	4"NB	150mm	Sch 40s		SIDE DISCHARGE	CHKI C.G. 26.3.07	
BASE/CONE	ASTM A240 GRADE 316L - 5mm PLATE	FOR FABRICATION TOLERANCE AND WELD DIMENSIONS REFER TO MATERIAL		C10	6"NB	150mm	Sch 40s		BOTTOM DISCHARGE	DRN R.A. 19.3.07	
SHELL	ASTM A240 GRADE 316L - 4mm PLATE	ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.		R1	4"NB	150mm	Sch 40s		C.I.P. - WITH BLIND FLANGE	CHKI C.G. 19.3.07	
FLANGES	ASTM A182 F316L	ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.		R2	4"NB	150mm	Sch 40s		LEVEL PROBE (TRIP)	DRN R.A. 19.3.07	
NOZZLES	ASTM A312 Tp 316L - SCH 40s WELDED PIPE	ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.							LEVEL PROBE (ALARM)	CHKI C.G. 19.3.07	
SUPPORTS	STAINLESS STEEL GRADE 304L	ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.								DRN R.A. 19.3.07	
GASKETS	1.5mm THICK P.T.F.E.	ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.								CHKI C.G. 19.3.07	
BOLTINGS	ASTM A193 Gr. B8M2 STUDBOLTS, WITH ASTM A194 Gr. 8M HEAVY HEX NUTS	ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.								DRN R.A. 19.3.07	

SCALE: 1:20
DRAWN: R.A.
CHECKED: M.A.L.
DRG.No. 230M