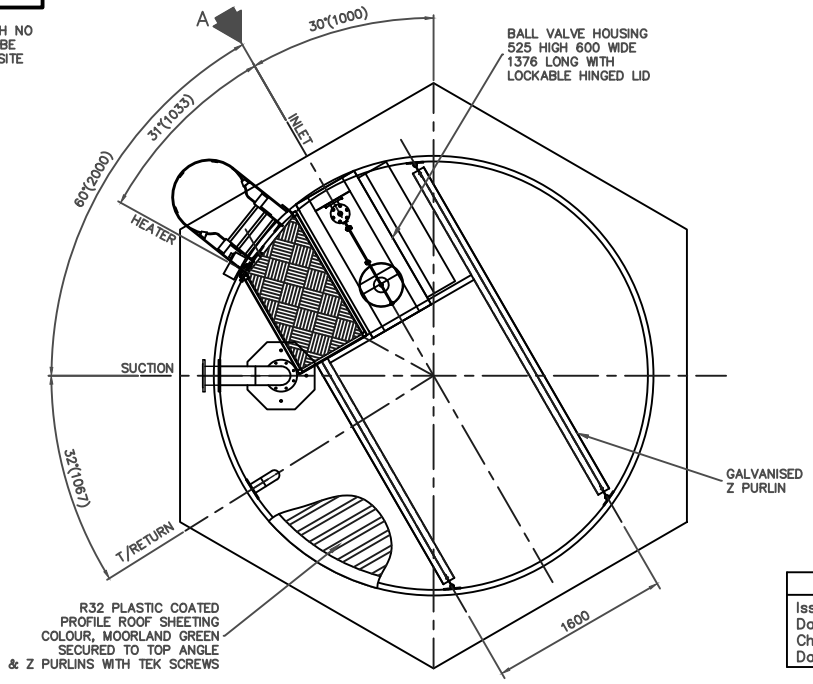
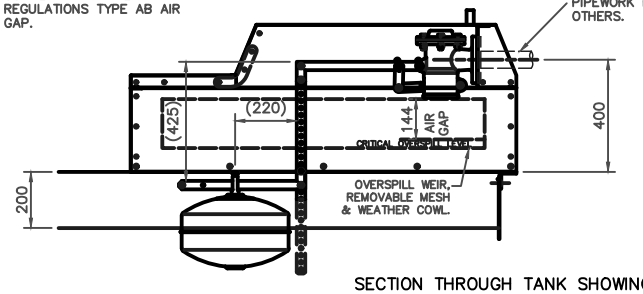
FH17567

ALL FITTINGS WITH NO ORIENTATION TO BE DETERMINED ON SITE

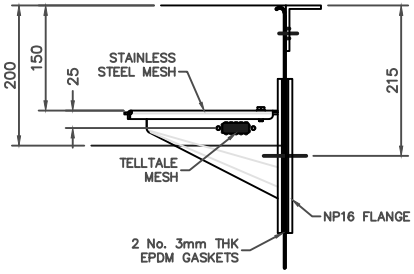


CERTIFIED FINAL
Issued By ANDY MEYRICK
Date 30 APRIL 2018
Checked By G.COTTERRELL
Date 30 APRIL 2018

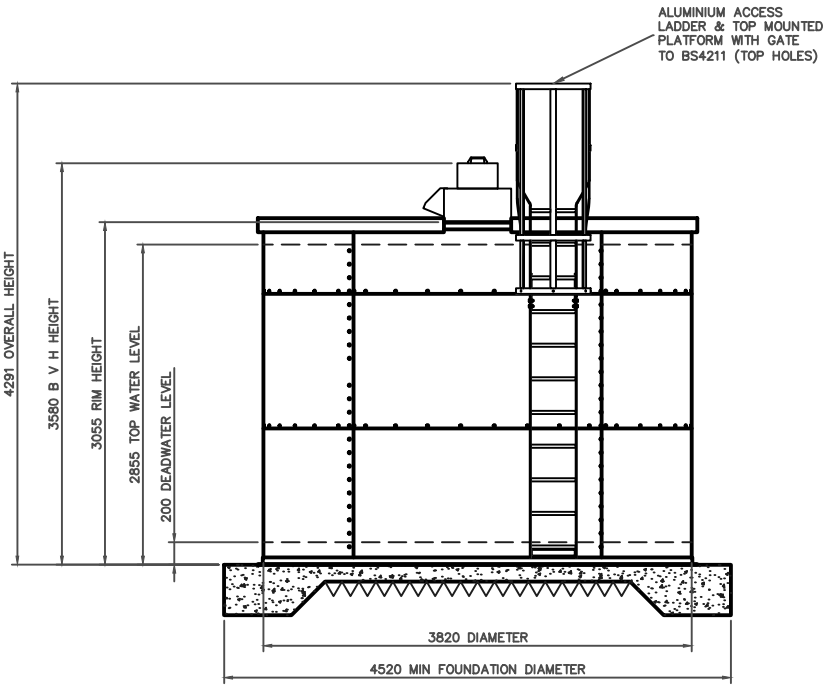
DIMENSIONS AND CLEARANCE BASED ON BAYARD FLOAT VALVE. SUPPLIED BY FHI TO COMPLY WITH WATER REGULATIONS TYPE AB AIR GAP.



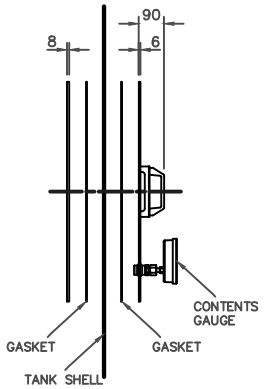
SECTION THROUGH TANK SHOWING 50 DIAMETER INLET (SCALE 1:10)



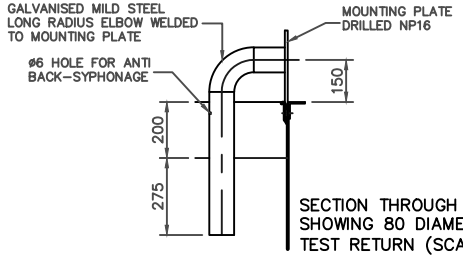
SECTION THROUGH TANK SHOWING ø100 OVERFLOW (SCALE 1:4)



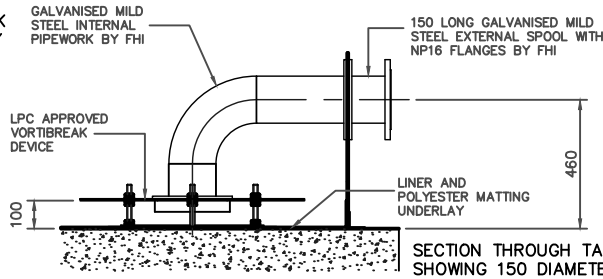
VIEW ON ARROW 'A'



SECTION THROUGH TANK SHOWING ø600 MANWAY (SCALE 1:10)



SECTION THROUGH TANK SHOWING 80 DIAMETER TEST RETURN (SCALE 1:10)



SECTION THROUGH TANK SHOWING 150 DIAMETER SUCTION (SCALE 1:10)

NOTES:

N1 EFFECTIVE CAPACITY OF TANK ALLOWING FOR 200 FREEBOARD & 200 DEADWATER = 30.4m³.

N2 APPROXIMATE WEIGHT OF TANK AND CONTENTS 34.2 TONNES.

N3 REINFORCED CONCRETE FOUNDATIONS BY OTHERS. CLIENT TO ENSURE BASE IS CAPABLE OF SUPPORTING A VERTICAL LOAD OF 30kN/m² AND IS LEVEL TO WITHIN ±6mm.

N4 TANK SHELL COMPRISES OF PRE-GALVANISED STEEL SHEETS TO BS EN 10346 GRADE S390GD.

N5 ALL GALVANISED STEEL ROOF CONSTRUCTION. COMPRISING Z PURLINS, BRACE CHANNELS AND PVC COATED PROFILE ROOF SHEETS TO BS 2989.

N6 ALL PIPEWORK MILD STEEL TO BS EN 10255 WITH BS EN 1092-1 (NP16) TERMINATING FLANGES AND HOT DIP GALVANISED TO BS EN ISO 1461.

N7 ALL BOLTS SPUN GALVANISED. MECHANICAL PROPERTIES TO BS EN ISO 898: PART 1, DIMENSIONS TO BS EN 24014.

N8 TANK LINED WITH 0.75 THICK BUTYL LINER.

N9 FITTINGS SUPPLIED BY FHI:

TYPE	DESCRIPTION	DIA	QTY	LEVEL
INFILL	SEE DETAIL	50	1	3455
SUCTION	SEE DETAIL	150	1	460
OVERFLOW	SEE DETAIL	100	1	2840
TEST RETURN	SEE DETAIL	80	1	3205
DRAIN	BRASS GATE VALVE (BS 5154/B) 2NO BOSS SCREWED FLANGES 1NO BARREL NIPPLE	80	1	210
TELLTALE	SEE DETAIL	25	1	2880
GAUGE	DIRECT ACTING	–	1	360
IMMERSION HEATER	3KW	–	1	2555
MANWAY	SEE DETAIL	600	1	640

N10 2No. PIPE SUPPORT BRACKETS FOR INLET, 1No. PIPE SUPPORT BRACKETS FOR TEST RETURN.

N11 M12 BOLTS TORQUED TO A MAX OF 3.8kgfm (28lbft).

N12 ALL WELDS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING WELD PROCEDURES:- CARBON STEEL: WPQR2407, WPQR2408, WPQR2409, WPQR2410. ALUMINIUM: PWPS CE - AL - 01,02,03,04. STAINLESS STEEL: CE/MAG 02-SS.

REV	DESCRIPTION	BY	DATE
A	ORIENTATIONS ADDED, SUCTION AT 460 HIGH, CERTIFIED FINAL	A.M	30/04/18
0	INITIAL ISSUE	A.M	20/04/18

Notes:
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Client:
J & J ENGINEERING

Project:
FIRE WATER STORAGE TANK
CAERHUN SCHOOL, CAERHUN, UNITED KINGDOM

Title:
GENERAL ARRANGEMENT OF A GALVANISED FIRESTORE
3.82m DIAMETER x 3.055m HIGH
(LPC Ref. No. 037c/08e)

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Part/Ref No:		Drawing No:	Sheet No:
TK12865	A1	FH17567	1
Scale: 1:25	Date: 20/04/18	Drawn: A.M	Checked: MM