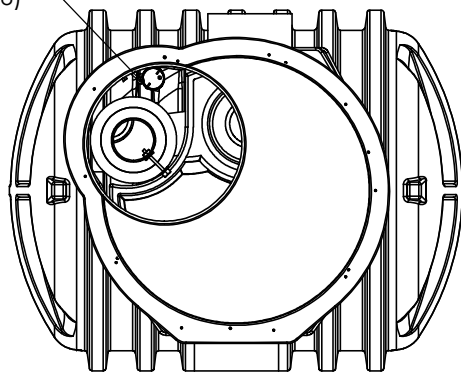


Alarm Probe Tube
(see note 6)



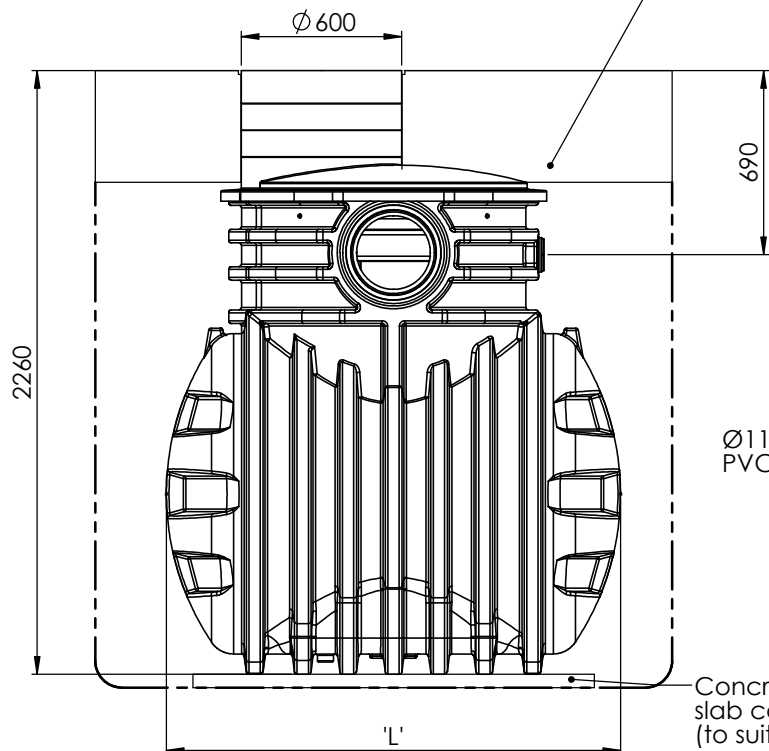
Unit Ref No	Nominal Flow	Dim L (mm)	Approx Empty Weight (kgs)	Fall across unit	Inlet Size 'A'	Outlet Size 'B'
NSBP003	3 L/s	1700	180	100	Ø160 mm	Ø160 mm
NSBP004	4 L/s	1700	180	100		Ø160 mm
NSBP006	6 L/s	1700	180	100	Ø315 mm	Ø315 mm

** Inlet/Outlet size
A must equal B**

Notes:-

1. Inlet/Outlet pipes are plain pipe Ø315 mm PVCu. The standard EN 858 states minimum connection sizes, units ordered with different sized connections are not fully compliant with the standard.
2. Extension necks for deeper inverts can be provided. These can be cut in 200 mm sections. Max 2.0m Invert recommended. Please ask our sales department for further details.
3. All units require appropriate cover and frame to suit applied loadings.
4. This drawing should be used for dimensional information only. It is essential that this drawing is read in conjunction with the installation guidelines supplied with the unit. (Copies are available from our sales dept.).
5. This drawing is also available on our website www.kingspanenv.com.
6. A Ø76 mm tube (internal) is supplied to house an oil alarm probe.
7. Wet site conditions - Concrete Backfill
Dry site conditions - Pea Shingle Backfill

Please refer to installation manual for details of correct backfilling.

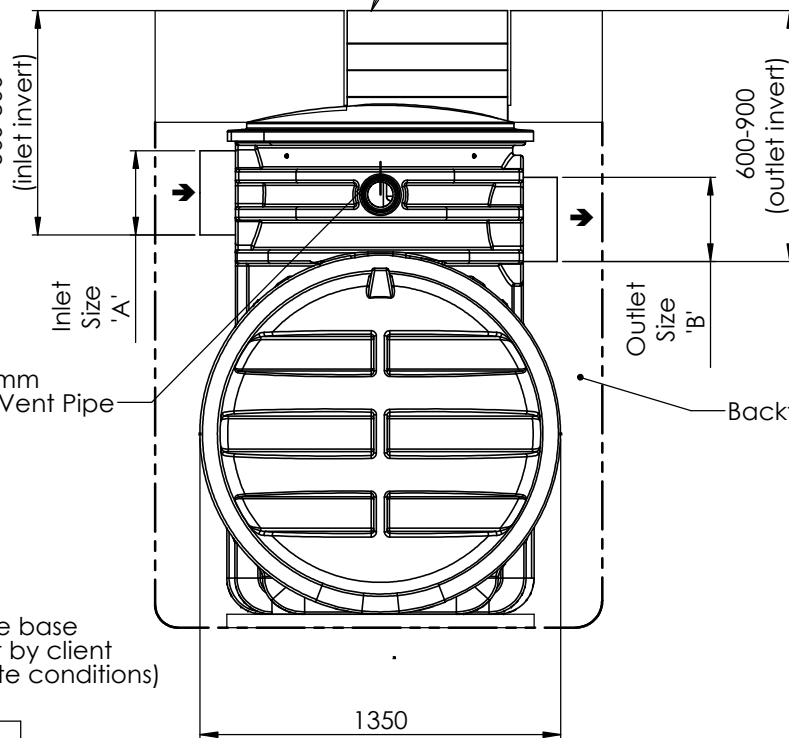


Concrete cover slab cast by client
(to suit wet site conditions)

Neck can be trimmed
down to required invert

Ø110 mm
PVCu Vent Pipe

Concrete base
slab cast by client
(to suit site conditions)



Backfill (see note 8)

Please check with Kingspan Environmental that this drawing is the latest issue

Issue	Date	Drawn by	Approved by	Description
07	15/12/11	S.Gill		CC1020
06	15/12/10	S.Gill		CC 934
05	24/03/10	S.Gill		CC817
04	24/02/10	S.Gill		CC794
03	23/02/10	S.Gill		Table Edited
02	23/09/09	S.Gill		Drawing Description Changed
01	19/03/09	S.Gill		Initial Release

Material : n/a
Finish : n/a
Weight : Kgs n/a

Tolerance : n/a
Thickness : n/a
Surface Area : n/a

Drawing : NSBP003,004 & 006 Sales Drawing

Page 1 of 1

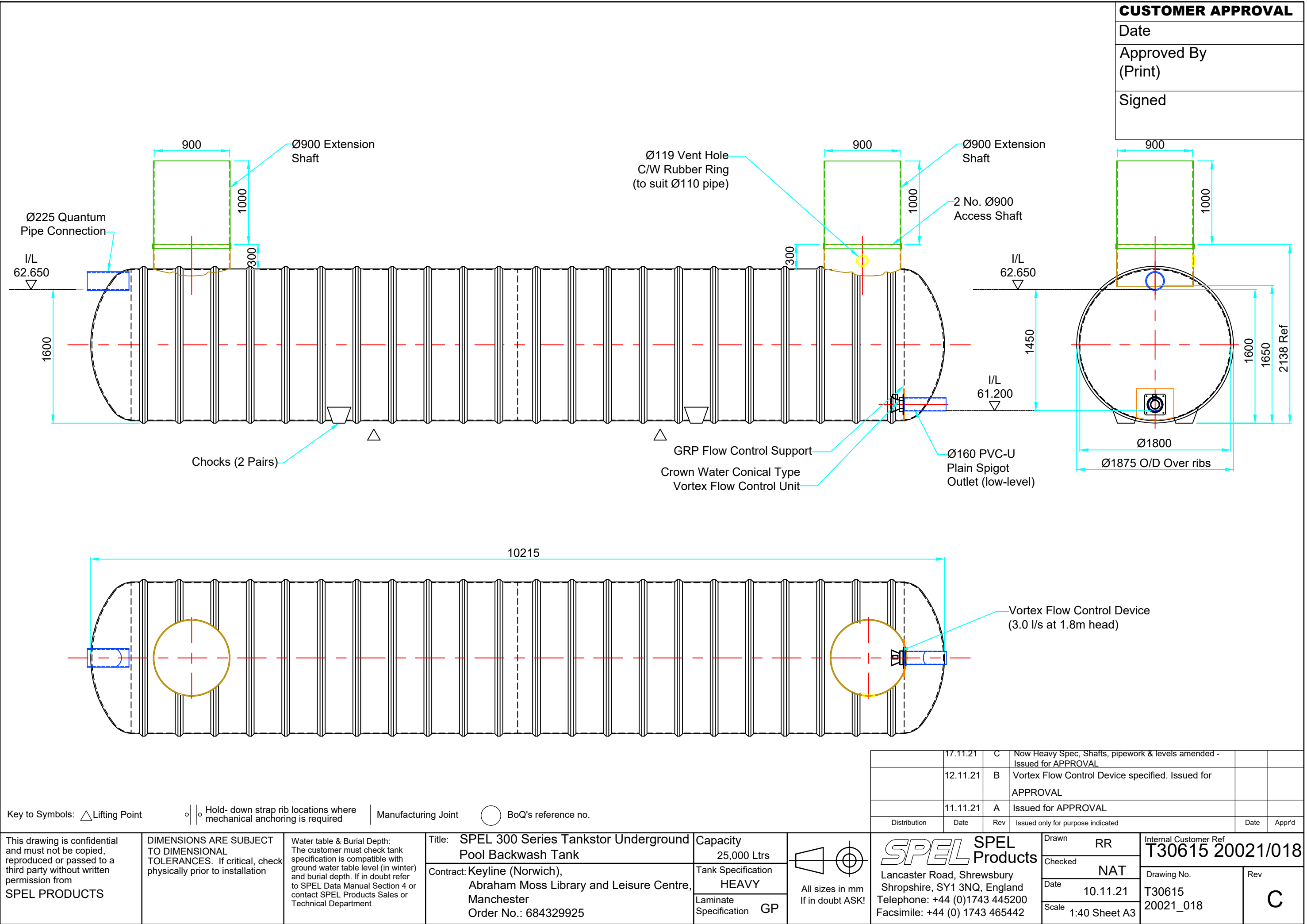
Drg No: DSO993

All dimensions in mm

Scale: Not to scale

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CUSTOMER APPROVAL

Date

Approved By
(Print)

Signed

Key to Symbols: Lifting Point Hold- down strap rib locations where mechanical anchoring is required Manufacturing Joint BoQ's reference no.

This drawing is confidential and must not be copied, reproduced or passed to a third party without written permission from SPEL PRODUCTS	DIMENSIONS ARE SUBJECT TO DIMENSIONAL TOLERANCES. If critical, check physically prior to installation	Water table & Burial Depth: The customer must check tank specification is compatible with ground water table level (in winter) and burial depth. If in doubt refer to SPEL Data Manual Section 4 or contact SPEL Products Sales or Technical Department	Title: SPEL 300 Series Tankstor Underground Pool Backwash Tank		Capacity 25,000 Ltrs	  All sizes in mm If in doubt ASK!	 SPEL Products Lancaster Road, Shrewsbury Shropshire, SY1 3NQ, England Telephone: +44 (0)1743 445200 Facsimile: +44 (0) 1743 465442	Drawn RR	Internal Customer Ref T30615 20021/018	
			Contract: Keyline (Norwich), Abraham Moss Library and Leisure Centre, Manchester Order No.: 684329925		Tank Specification HEAVY			Checked NAT		
					Laminate Specification GP			Date 10.11.21		
								Scale 1:40 Sheet A3		

	17.11.21	C	Now Heavy Spec, Shafts, pipework & levels amended - Issued for APPROVAL		
	12.11.21	B	Vortex Flow Control Device specified. Issued for APPROVAL		
	11.11.21	A	Issued for APPROVAL		
Distribution	Date	Rev	Issued only for purpose indicated	Date	Appr'd

		MCC Building Control Inspection Tracker Laing O'Rourke Abraham Moss Leisure Centre N3939			07/03/2023		
No#	Date	Time on site (approx)	Areas Inspected	Building Control Inspections / Comments	Actions	Attendees	Signatures
1	20/10/2021	10:30	Whole Site	Upper ground floor and basement remedial works inspected which involves reducing the existing site levels by approximately 1m, breaking the piles out in the process, and backfilling in layers of class 6 material. Ongoing material removal from site during the reduced level dig in addition to core drilling within the basement to enable temporary propping to retain the north basement wall. No comments on ongoing works.	N/A	Paul Hargreaves (MCC) Phil Davies (LOR)	
2	14/12/2021	11:00	Whole site with specific reference to basement Slab 'SLA-201-00-005' and upper GF drainage works	Whole site inspected following the near completion of the remedial works previously inspected. Breaking out of piles completed with backfilling and temporary works fully completed in the basement and the upper GF backfilling near completion. LOR/EXP are leaving the levels lower than the completed formation until completion of the drainage in these areas. Reinforcement inspected for the first slab pour in the basement (SLA-201-00-005) including the starter bars for the basement walls and column/plinth starter bars with no adverse comments. Gas membrane inspected and witnessed for the first two pours of the basement with no adverse comments. Drainage inspected and witnessed within the upper GF area within pours 1-3. Approx 4No manholes installed with several gullies, pop ups, and drainage runs installed inbetween. Only one minor comment regarding the benching of 2No manholes with no other comments on the drainage witnessed. Note drainage will not be backfilled/encased in concrete until the drainage runs have been fully tested (likely to take place in the new year). See attached mark ups of areas inspected.	2No manholes had been benched. Inspected with minor comments regarding smoothing out bends and removing any bottlenecks and lips in the benching. To be closed out prior to next building control visit.	Paul Hargreaves (MCC) Phil Davies (LOR) Mike Scott (EXP)	
3	10/01/2022	12:00	Whole site with specific reference to basement Slab 'SLA-201-00-004' and upper GF drainage works	Reinforcement inspected for the second slab pour in the basement (SLA-201-00-004) including the starter bars for the basement walls and cast in bolts for 2No base plates with no adverse comments. Drainage inspected and witnessed within the upper GF area within pours 1-3. Approx 2No manholes installed with several gullies, pop ups, and drainage runs installed inbetween. First section of Attenuation tank on the West elevation inspected. See attached mark ups of areas inspected for basement slabs and GF drainage	N/A	Paul Hargreaves (MCC) Mike Scott (EXP)	
4	14/01/2022	11:00	Basement Slab 'SLA-201-00-003'	Reinforcement inspected for the third slab pour in the basement (SLA-201-00-003) including the starter bars for the basement walls. Minor comments regarding the cleanliness of slab and offsets of tie wire however these are planned to be tidied and cleaned this afternoon and checked again the morning of the slab pour (planned for 17/01/22)	N/A	Paul Hargreaves (MCC) Mike Scott (EXP)	
5	24/01/2022	10:30	Basement Slab 'SLA-201-00-002' Basement Wall 'WAL-201-81-011' GF Drainage	Reinforcement inspected for the fourth slab pour in the basement (SLA-201-00-002) including the starter bars for the basement walls. Minor comments made regarding the starter bars leg position in the slab however this was explained that was to assist the temporary stability of the pour. Reinforcement inspected for the first pour of the basement walls (WAL-201-81-011) with no comments made. Drainage inspected and witnessed within the upper GF area within pours 1-3 with no comments made	N/A	Paul Hargreaves (MCC) Phil Davies (LOR)	
6	01/02/2022	10:00	Basement Slab 'SLA-201-00-001' Basement Wall 'WAL-201-81-012'	Reinforcement inspected for the fifth slab pour in the basement (SLA-201-00-001) including the starter bars for the basement walls. Minor comments made regarding the cleanliness of the pour however this was addressed during and after the visit. Reinforcement inspected for the second pour of the basement walls (WAL-201-81-012) with no comments made.	N/A	Paul Hargreaves (MCC) Mike Scott (EXP)	
7	14/02/2022	09:00	Upper Raft slab 'SLA-202-00-001' Basement Wall 'WAL-201-81-001'	Discussions held with MCC building control however they were unable to attend the site to undertake an inspection prior to pouring the upper raft slab (SLA-202-00-001). P.Hargreaves confirmed acceptance after being sent photos of the completed reinforcement and cast in bolts prior to pouring. Email with photos sent to building control on 14.02.2022 with acceptance given to commence pouring	N/A	Phil Davies (LOR)	
8	21/02/2022	14:00	Upper Raft slab 'SLA-202-00-002' Basement Wall 'WAL-201-81-001'	Reinforcement inspected for the second pour for the upper raft slab (SLA-202-00-002) including cast in bolts and starter bars for upstands. Reinforcement inspected for the basement walls with no adverse comments made. General inspection of ongoing drainage works.	N/A	Paul Hargreaves (MCC) Mike Scott (EXP)	
9	25/02/2022	14:00	Upper Raft slab 'SLA-202-00-003'	Reinforcement inspected for the third pour for the upper raft slab (SLA-202-00-003) including cast in bolts and starter bars for upstands. And drainage with in this slab pour	N/A	Mike Scott (EXP) Neil Henshaw (MCC)	
10	28/02/2022	15:00	Upper Raft slab 'SLA-202-00-004'	Reinforcement inspected for the third pour for the upper raft slab (SLA-202-00-004) including cast in bolts and starter bars for upstands. Drainage to the pool sumps inspected along with the drainage in slab pour (SLA-202-00-006)	N/A	Mike Scott (EXP) Neil Henshaw (MCC)	
11	11/03/2022	14:00	Upper Raft slab 'SLA-202-00-005' Basement Wall 'WAL-201-81-003 - 007'	Reinforcement inspected for the fifth pour for the upper raft slab (SLA-202-00-005) including cast in bolts. Reinforcement inspected for basement walls including cast in bolts for wall pours 03 - 07	N/A	Phil Davies (EXP) Neil Henshaw (MCC)	
12	16/03/2022	10:30	Upper Raft slab 'SLA-202-00-006' Basement Wall 'WAL-201-81-004'	Reinforcement inspected for the Sixth pour for the upper raft slab (SLA-202-00-006) including cast in bolts. Reinforcement inspected for basement walls including cast in bolts for wall pours 04	N/A	Mike Scott (EXP) Paul Hargreaves (MCC)	
13	18/03/2022	14:00	Upper Raft slab 'SLA-202-00-007'	Reinforcement inspected for the Seventh pour for the upper raft slab (SLA-202-00-007) including cast in bolts. No Adverse comments	N/A	Oliver Thomas (EXP) Neil Henshaw (MCC)	
14	31/03/2022	11:00	Upper Raft slab 'SLA-202-00-008' Basement Wall 'WAL-201-81-005-09'	Reinforcement inspected for the 8th pour for the upper raft slab (SLA-202-00-008) including cast in bolts. Reinforcement inspected for the remaining basement walls. No adverse comments for any of the above	N/A	Mike Scott (EXP) Paul Hargreaves (MCC)	
15	08/04/2022	10:30	Upper Raft slab 'SLA-202-00-009' & Basement Wall 'WAL-201-81-005-09'	Reinforcement inspected for the 9th pour for the upper raft slab (SLA-202-00-009) including cast in bolts. Reinforcement inspected for the remaining basement walls. No adverse comments for any of the above. Gas & water pipes reviewed in perimeter service trench, Plus oil interceptor, again no comments to report	N/A	Mike Scott (EXP) Paul Hargreaves (MCC)	
16	21/04/2022	09:00	Upper Raft slab 'SLA-202-00-010 & 11'	At the request of building control LOR sent across photos of the ground floor slab pours 10 & 11 to building control. No adverse comments	N/A	Mike Scott (EXP) Phil Davies (EXP) Paul Hargreaves (MCC)	
17	04/05/2022	10:00	Main Pool slab 'SLA-SP1-00-003' Learner Pool Slab 'SLA-SP-00-002' Steel Frame Lots 1-5 Installation	Reinforcement inspected for Main Pool slab pour (SLA-SP1-00-003) Reinforcement inspected for Learner Pool Slab Pour (SLA-SP2-00-002). Steel Frame revied on steel installed in lots 1 to 5 Comments made up on steel frame review - Building control concerned with the amount of steel installed before any plumbing of the frame has taken place - observed the frame is twisted and knicked and potential to cause issues and problems when trying to level and square the frame	N/A	Mike Scott (EXP) Paul Hargreaves (MCC)	
18	10/05/2022	11:30	Main Pool slab 'SLA-SP1-00-004' Learner Pool Slab 'SLA-SP-00-001'	Reinforcement inspected for Main Pool slab pour (SLA-SP1-00-004) & Reinforcement inspected for Learner Pool Slab Pour (SLA-SP2-00-001)	N/A	Mike Scott (EXP) Paul Hargreaves (MCC)	
19	11/06/2022	11:00	Swimming pool liner walls	Reinforcement inspection carried out on the 2 number closing section of the main swimming pool liner walls	N/A	Mike Scott (EXP) Paul Hargreaves (MCC)	
20	14/06/2022	10:30	Level one composite deck - Pour One	Reinforcement inspection of the composite deck and upstand walls to the perimeter of the slab inspection area Gridlines C1-3 to L1-3	N/A	Mike Scott (EXP) Phil Davies (EXP) Paul Hargreaves (MCC)	
21	15/07/2022	10:30	Level one composite deck - Pour Three	Reinforcement inspection of the composite deck area Gridlines GL4 to 6 - G to M and M to N 6 to 1	deck t be cleaned out better prior to pour	Mike Scott (EXP) Neil Henshaw (MCC)	
22	22/07/2022	10:30	Level one composite deck - Pour Four	Reinforcement inspection of the composite deck and upstand walls to the perimeter of the slab inspection area Gridlines GL8-6 D to L	cover to mesh wants checking - checks carried out by Mike Scott	Mike Scott (EXP) Neil Henshaw (MCC)	
23	20/09/2022	11:00	Site wide	Pool around slab pour 1 balance tank reinforcement inspection and general site walk round	N/A	Mike Scott (EXP) Paul Hargreaves (MCC)	
24	06/10/2022	15:40	Suspended slabs around the swimming pools	Reinforcement inspection for SLA-201-00-002, 03,05 and 06	Missing U bars around the balance tank slab central column - Ubars installed	Mike Scott (EXP) Camari (MCC)	
25	11/10/2022	11:00	Suspended slabs around the swimming pools & Drainage run S2-2 to S2-3	Reinforcement inspection for SLA-201-00-004 & 007 also reviewed the 300mm surface water pipe for MHS2-2 to S2-3	No comments	Mike Scott (EXP) Paul Hargreaves (MCC)	
26	24/10/2022	10:30	Site wide	General site walk Paul to review fire stopping and cavity barriers	No comments	Tom Ogden (LOR) Paul Hargreaves (MCC)	
27	09/11/2022	10:15	Site wide	General site walk with trainee building control office to review fire stopping around dampers	No comments	Tom Ogden (LOR) Paul Hargreaves (MCC) +1 (MCC)	
28	14/12/2022	10:30	Site wide	General site walk with Paul Hargreaves to review current project progress, reviewed firestopping around dampers and was happy with the quality of installation. Question laying temperature of screed installation, due to cold weather, TO confirmed temperature should be +5 degrees and rising, thermometer on wall in screeding area confirmed environment was in spec.	N/A	Tom Ogden (LOR) Paul Hargreaves (MCC)	



