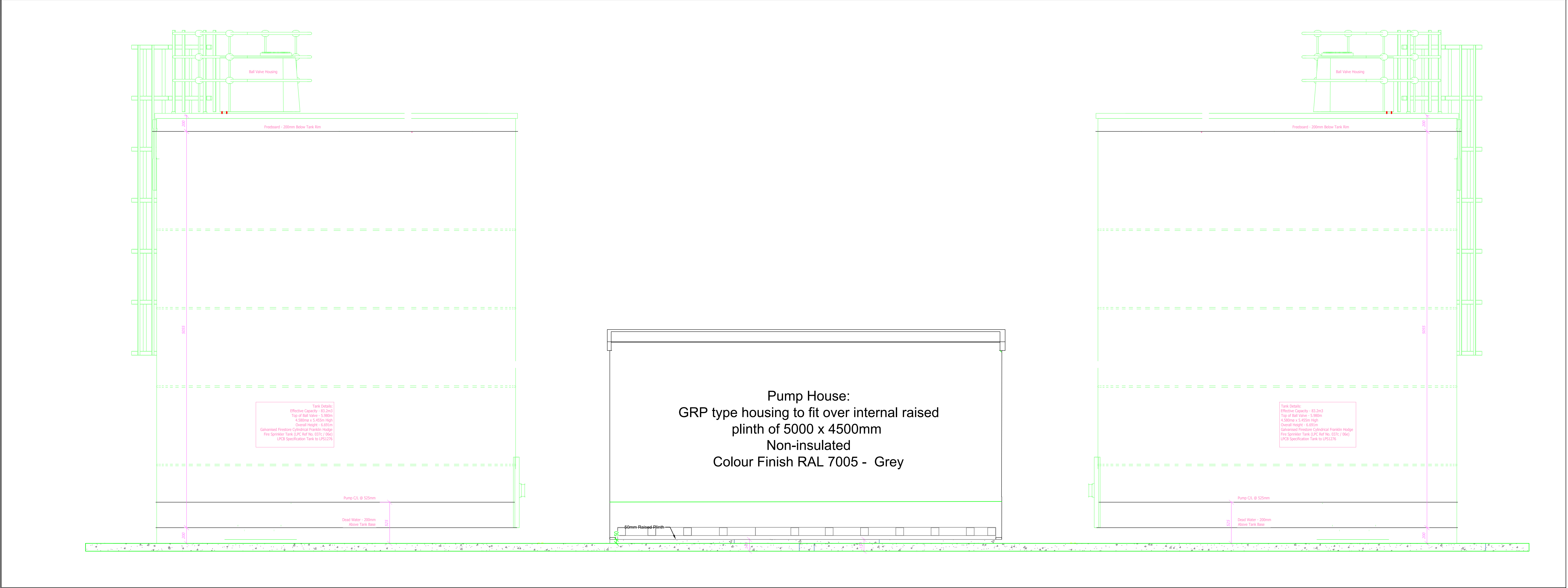
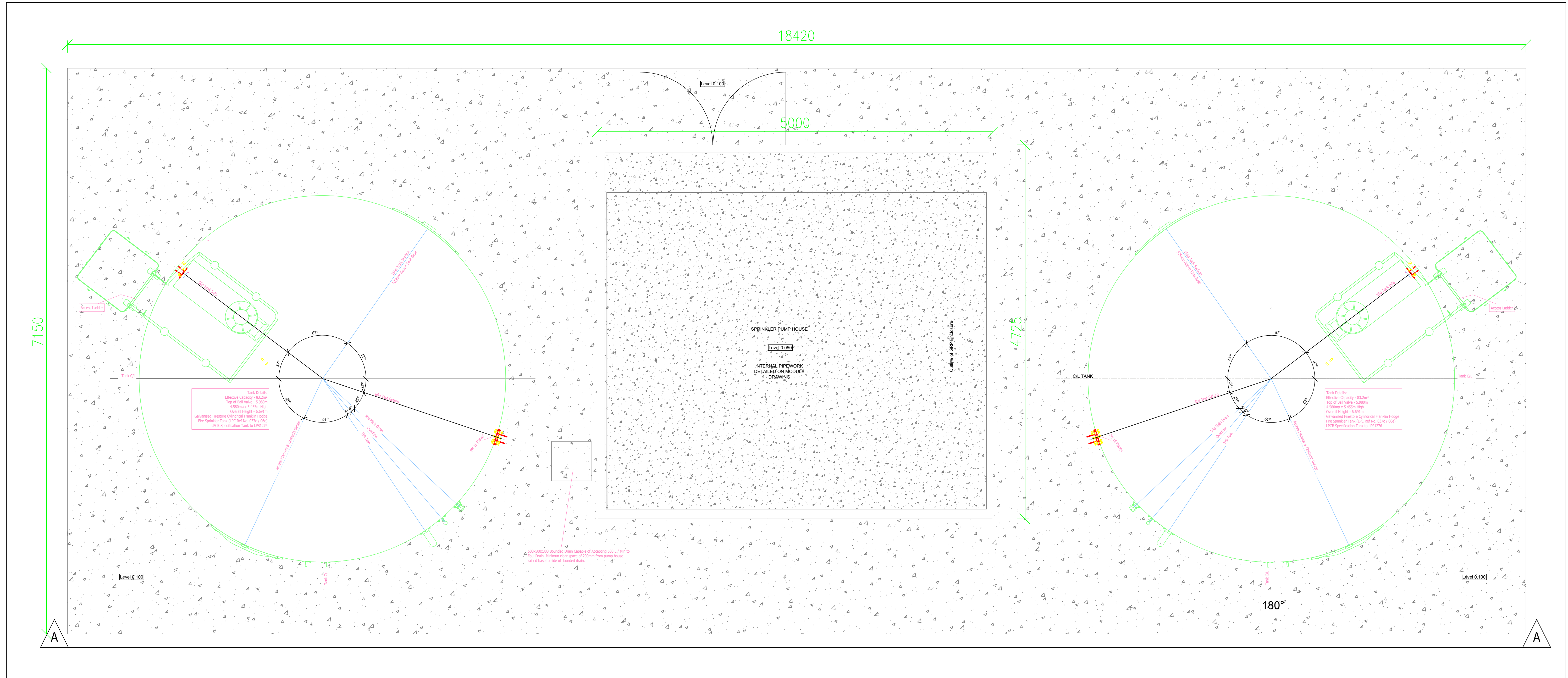
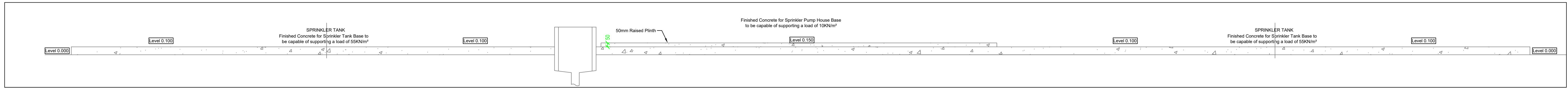




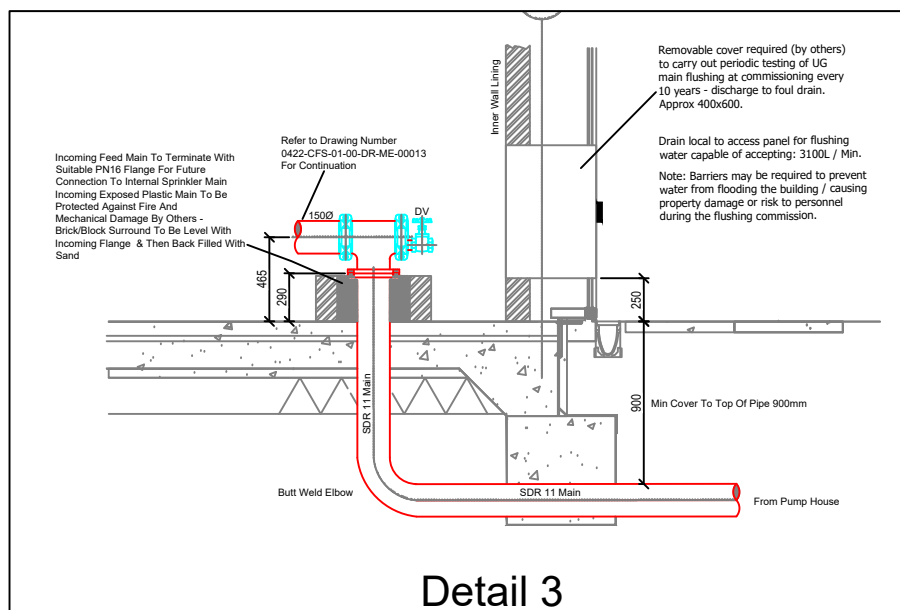
PUMP HOUSE AND TANK DETAILS - ELEVATION (Scale 1:25)



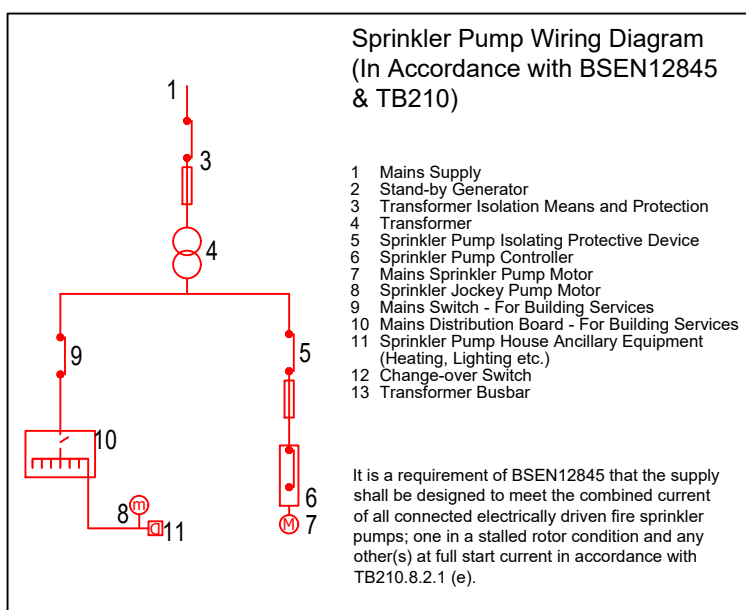
PUMP HOUSE AND TANK BASE DETAILS - PLAN VIEW (Scale 1:25)



CONCRETE BASE - ELEVATION (Scale 1:25)

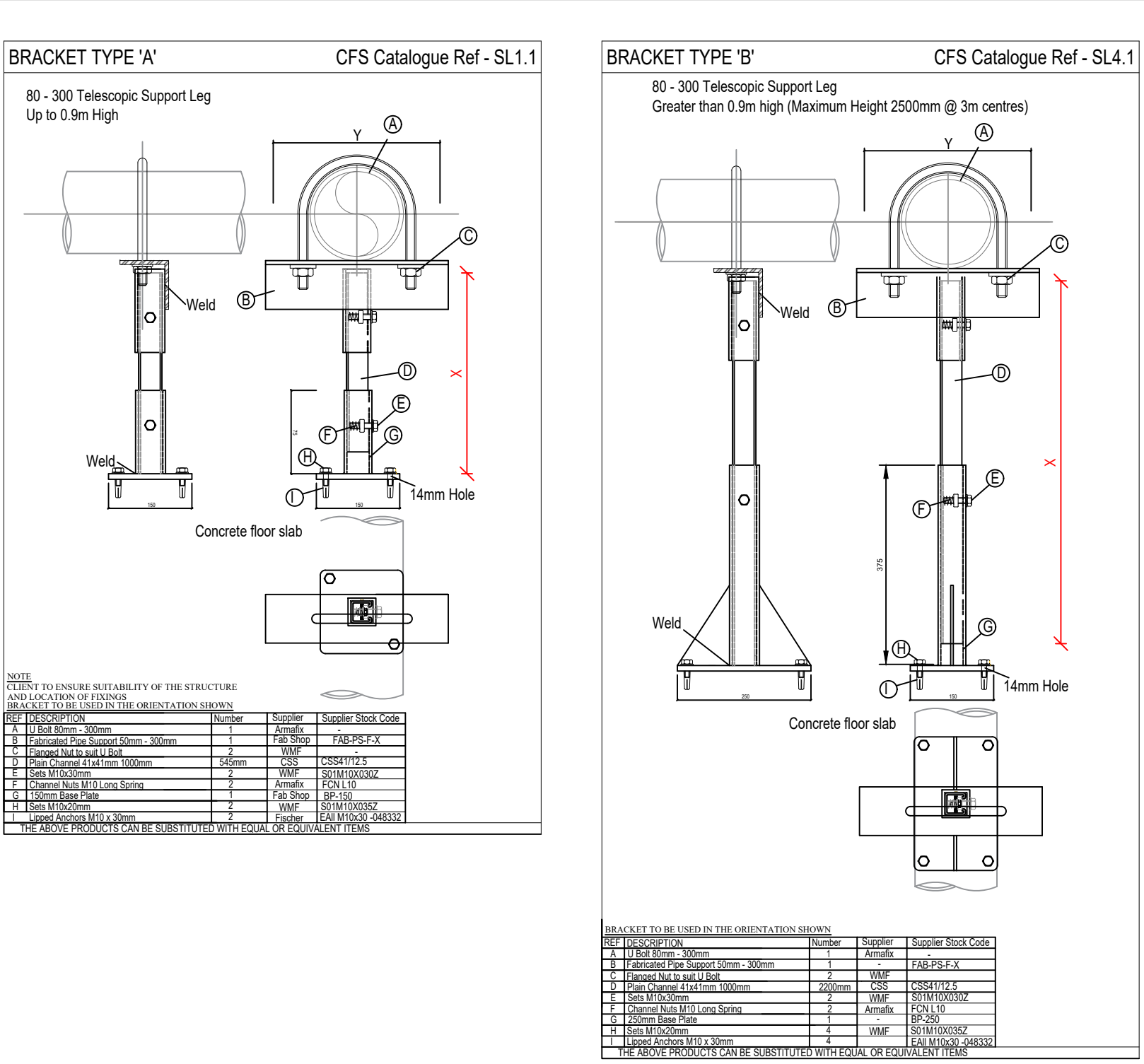


Detail 3

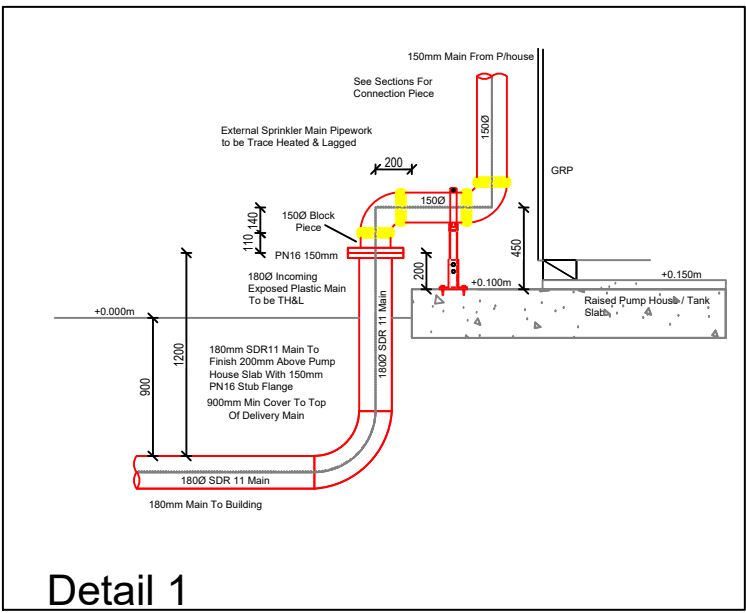


1. Mains Supply
2. Transformer Isolation Means and Protection
3. Transformer
4. Sprinkler Pump Isolating Protective Device
5. Sprinkler Pump Control
6. Mains Supply Control
7. Mains Supply Control
8. Mains Supply Control
9. Mains Supply Control
10. Mains Supply Control
11. Mains Supply Control
12. Mains Supply Control
13. Transformer

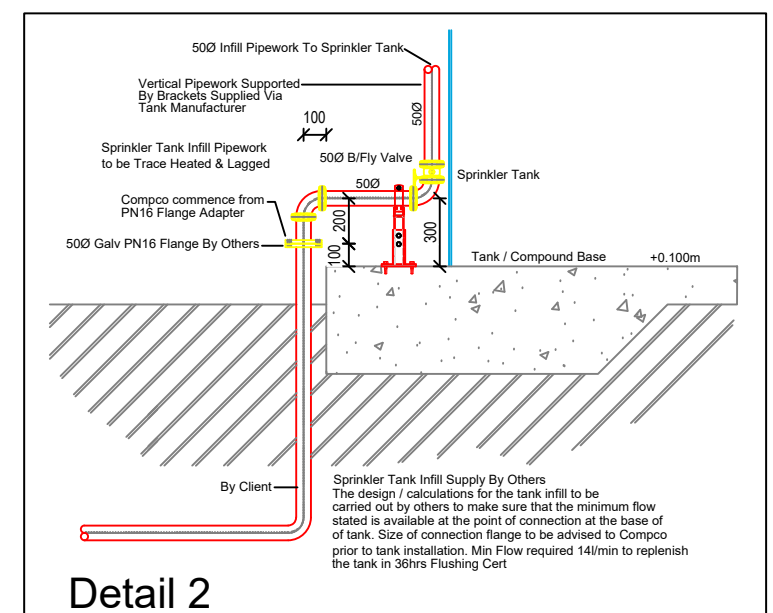
It is a requirement of BS EN 12845 that the supply shall be designed to meet the combined current of all connected electrical devices. The pump, pump, one in a stand-by condition and any others in full start current in accordance with TBO10 8.2.1 (b).



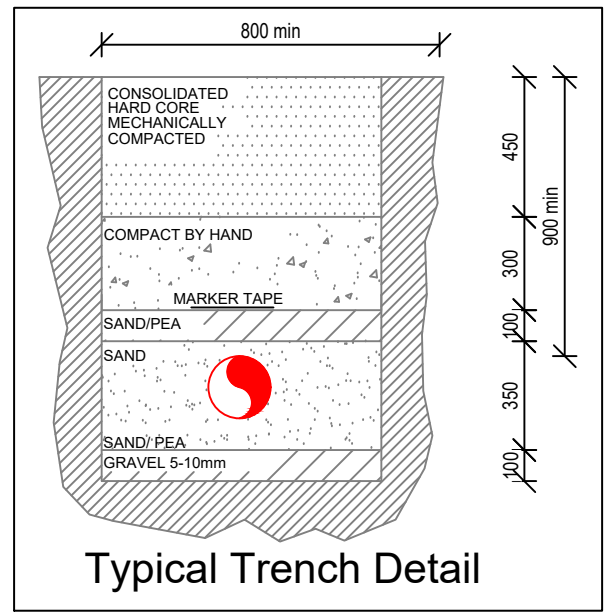
ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE
1	Bracket Type 'A'	1	EA	100.00
2	Bracket Type 'B'	1	EA	100.00
3	Concrete Base	1	EA	100.00
4	Concrete Base	1	EA	100.00
5	Concrete Base	1	EA	100.00
6	Concrete Base	1	EA	100.00
7	Concrete Base	1	EA	100.00
8	Concrete Base	1	EA	100.00
9	Concrete Base	1	EA	100.00
10	Concrete Base	1	EA	100.00



Detail 1



Detail 2



Typical Trench Detail

Electrical Requirements

(Notes To Site Electrical Contractor)

(Notes To The Main Contractor)

To enable the installation of the sprinkler system fire pumps and tank to be installed correctly to the following items must be adhered to:

Finished base levels to pump house and tank base to be as Compo details any changes to this must be relayed to Compo prior to casting for comment and approval.

Adequate drainage will be required for the pump house for system drainage, minimum flow time, pump cooling time, half drains and flow lines etc. Once pipes are installed to the drain pit this area should be brick bounded and sealed accordingly.

Compo Fire Systems Ltd do not allow for any associated builders work in their bid.

Sprinkler tank base to be built as per our suppliers recommended data sheet with no sharp edges to a 4mm finish tolerance to the outer perimeter and a 20mm internal finish tolerance as per the typical detail below. A full manufacturing detail sheet is available upon request.

Finished Concrete base to be capable of supporting a load of 500kN/m²

Sprinkler Base Level Tolerances & Typical Detail

Section T1 - Typical Detail Finish Tolerance

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GENERAL NOTES

Buildings Work
Compo Fire Systems exclude any builders work associated with the installation of pipework/fittings/valves on the drawing. For a full list of works required refer to the projects engineer. Where sprinkler pipework and/or heads are fitted into solid ceilings we recommend a 600mm square access hatch is provided adjacent each head for access at a later date. If not provided by client, then we do not accept any responsibility or costs for access holes being required at a later date for any reason.

Electrical supplies/ventilation
Please refer to our tender document for exact scope allowed by Compo. Any item excluding or omitted from our tender is not included in our scope and is assumed to be carried out by others.

Pipe size (mm)	20	25	32	40	50	65	80	100	150	200	250	300
Medium weight	1.95	3.03	4.16	4.99	7.3	10.21	13.58	20.78	38.17	66.69	94.82	125.61
Heavy weight	2.24	3.53	4.82	5.76	8.39	11.63	15.41	23.18	41.17	66.69	94.82	125.61

RELATED DRAWINGS

Tube Specification [And see TB227.2.1] / Finish	BS EN 10255 100 Black / Galv
Fitting Specification	BS EN 10242 (BS 1431/256) Black/Galv
Internal Walls / Partitions	Building Construction
External Walls	Galv
Roofs / Ceilings	Galv
Area Protected/Occupancy	Pumphouse
Installation Number, Size & Type	No 1, 100mm, 100mm
Water Supply	E Electric & 1 Diesel Fire Pumps & 2 Half Capacity Tanks
Water Classification	EN 13383-1
Area of Operation (m²)	100
Density of Discharge (mm/min)	5
Discharge in Accordance	BS EN 12845:2015 incorporating LPC Rules
Pipe Size	30 & 1
Storage Category	Refer To Table on Pipework Drawings
Stack Type/Height	No Storage Permitted
Storage Sprinkler above 1m gauge	Refer To Table

FOR INFORMATION

Not for fabrication

CLIENT: Morgan Sindall, 5 Cae Gwyrd, Tongwynlais, Cardiff, CF11 0SN

TITLE: Sprinkler System Water Supplies Layout

SITE: LLANGATGWG COMMUNITY HIGH SCHOOL

DATE: 19/06/2025 SCALE: As Noted/SUITABILITY CODE: S2

DRAWN: JZ CHECKED: MODEL

Dwg Number: 26CC07-CFS-XX-XX-D-OH-0006 P01

PROPOSED SITE LAYOUT (SCALE 1:250)