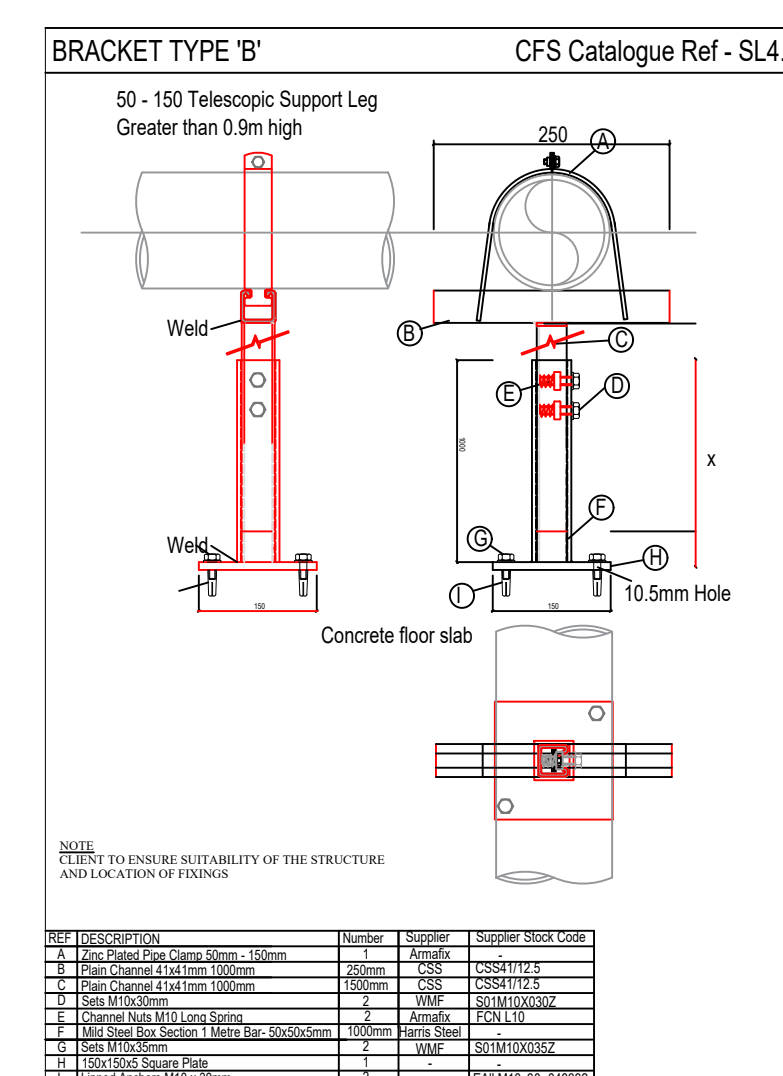




FIRE FIGHTING CONNECTION



Electrical Requirements

(Notes To Site Electrical Contractor)

PUMP ROOM ELECTRICAL REQUIREMENTS & PUMP DETAILS
(Electrical requirements to be provided by the site electrical contractor)

The supplier for the following will need to be provided by the site electrical contractor engineer under their contract. Compo Engineering Ltd have advised that they work from both live Power supplies and non-reciprocated equipment must comply with the requirements of all current Australian Standards and the requirements of BSEN12846.

Separate Power supplies will be required to A and B below:

A. **Electric Motor Driven Fire Pump** - details as follows:
1x Armstrong electric motor driven pump
Nominal voltage: 220V 50 Hz (G 1 star)
Power supply: 400V/400A/3 phase
15kW GFCI Data starter
Minimum cable size: 25 sq mm
Starting Current Rating (ICR) 71.9 amps
Break Down Cur.: 12.5 seconds
Cable Break Down @ 26.9 secs

B. **Distribution Board** (By Compo) with fuses for the following:

1No. 10 ampers for heating coil or fan
1No. 10 ampers for power supply
1No. 10 ampers for T.H.L.
1No. 10 ampers for Lighting
1No. 10 ampers for 1 phase 240vac immersion heater
Use for 3 phase pumps as mentioned before
2No. 10 ampers power supply

C. **Jockey Pump** - details as follows:

1x Armstrong jockey pump - VM52-60
Motor: 0.75 KW
Motor: Vertical Multistage Centrifugal Pump
Power supply: 400V/400A/3 phase electrical motor
Full Load Current: 1.90 amps
Max Run Current: ~1.10 amps

(Notes To The Main Contractor)

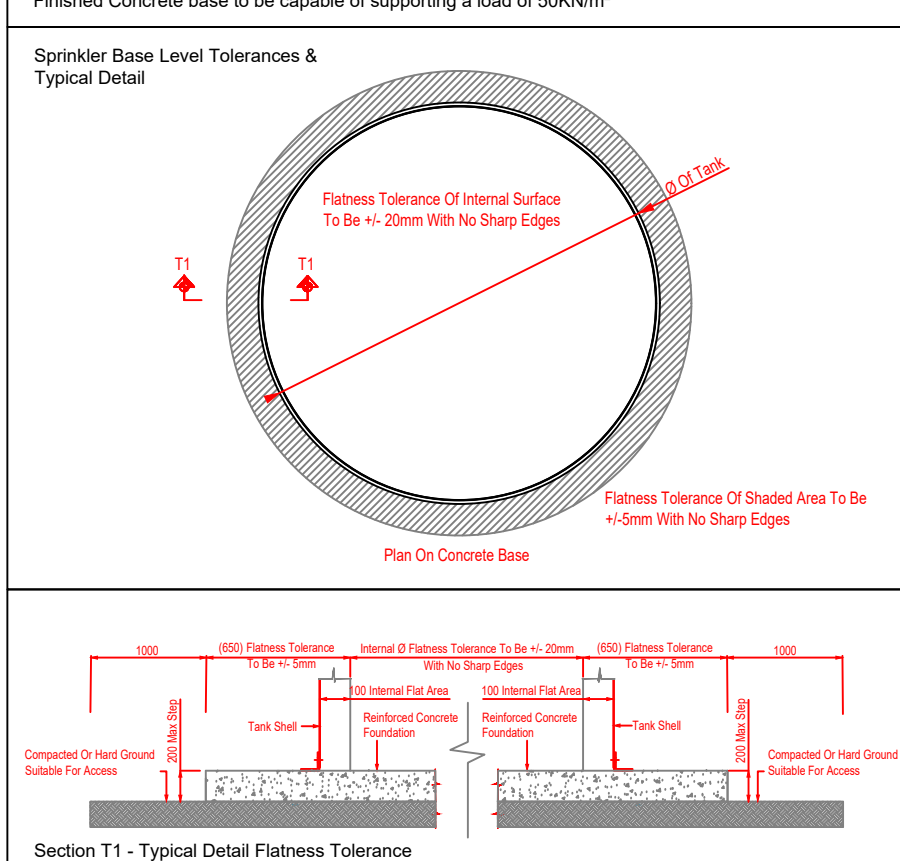
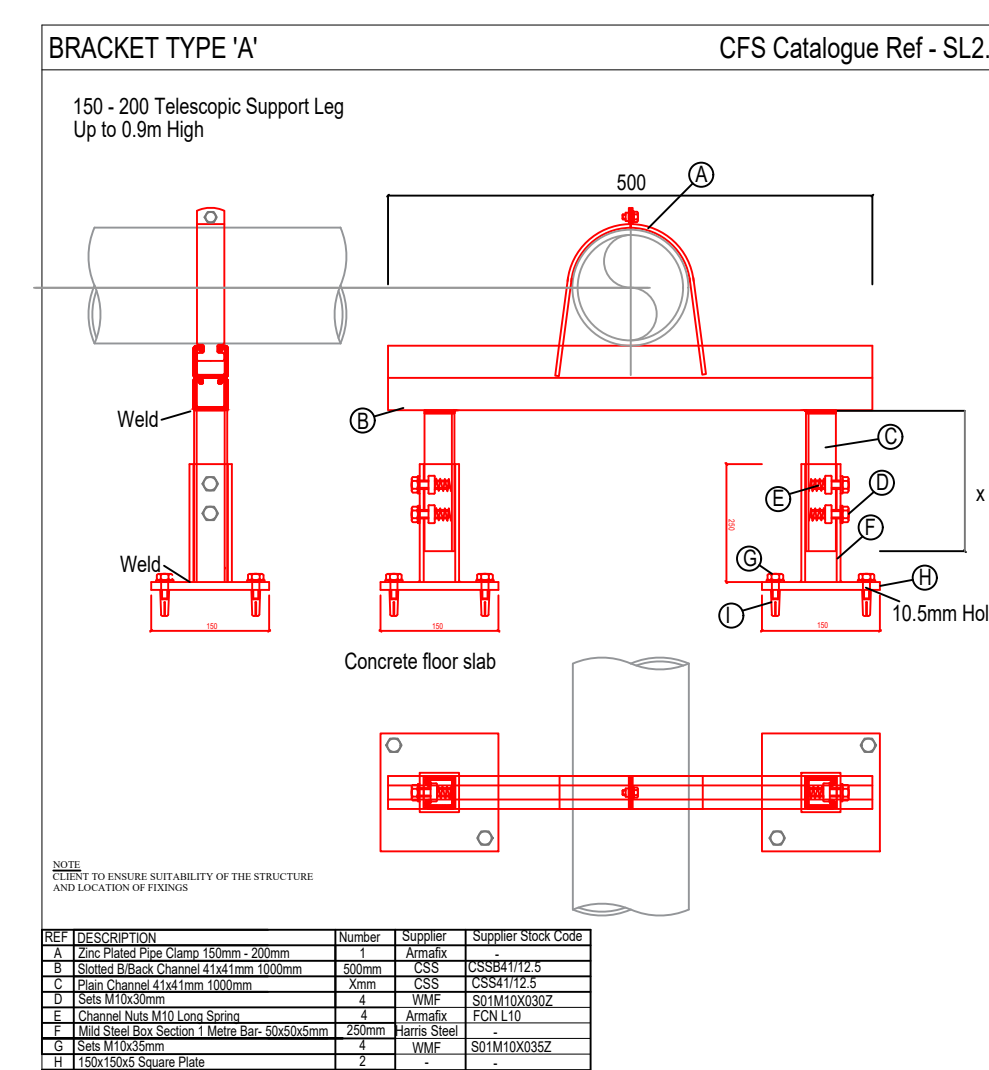
To enable the installation of the sprinkler system fire pumps and tanks to be installed correctly, the following items must be achieved to:

- Fixed base levels to pump house and tank base to be as per Compro details any changes to this must be referred to Compro for comment and approval.
- Adequate drainage will be required for the pump house for system drainage, minimum fire lines, pump cooling lines, hot drains and colds for treatment and spray.
- Once pipes are installed to the drain pit this area should be brick bounded and sealed accordingly.

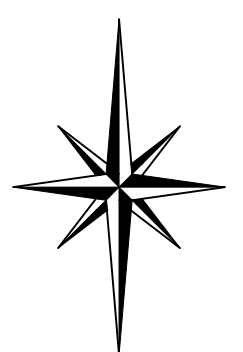
Compro Fire Systems Ltd do not allow for any associated builders work in their bid.

Sprinkler tank base to be to but as per our suppliers recommended data sheet with no sharp edges to a 45° finish. Tank base tolerance to the water perimeter and a +1/-0mm internal tank base tolerance as per the typical detail below. A full manufacturers detail sheet is available upon request.

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



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GENERAL NOTES

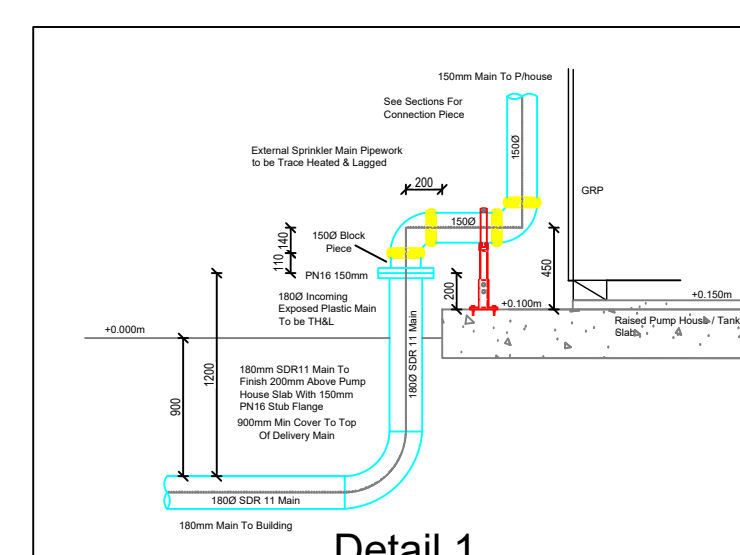
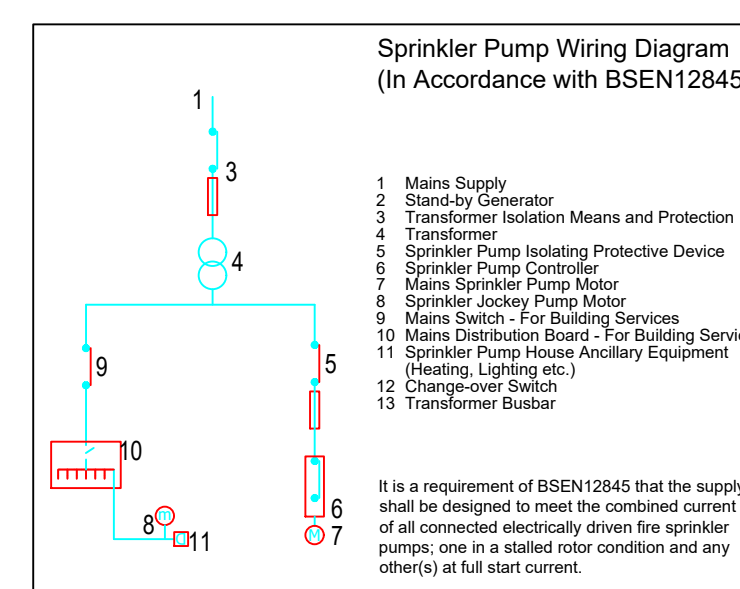
Builders Work
Compo Fire Systems exclude any builders work associated with the installation of pipework/fitting/valves on this drawing. For a full list of works required refer to the projects engineer. Where sprinkler pipework and/or heads are fitted into solid ceilings we recommend a 600mm square access 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/Monitoring
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.

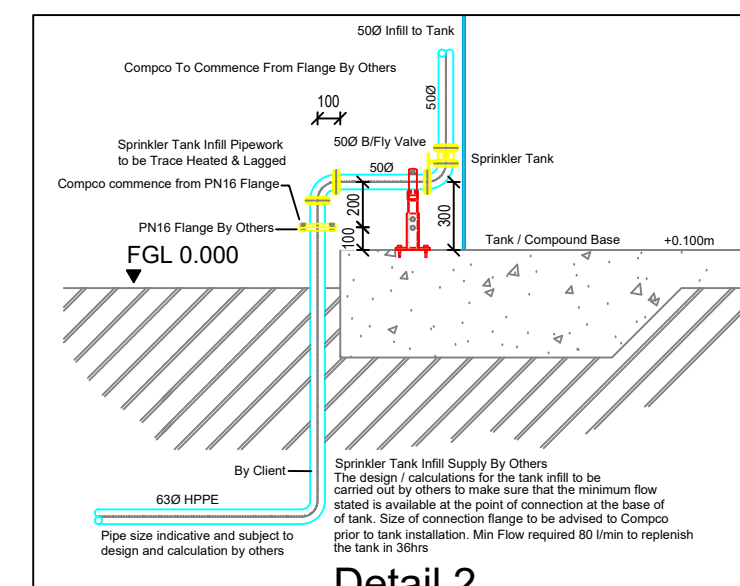
For structural engineers' guidance the weight (with water) per metre of medium quality black pipework (<150mm dia) and BS EN 10217-1 Black pipework (>200mm dia) is:-												
Pipe size (mm)	20	25	32	40	50	65	80	100	150	200	250	300
Medium weight	1.95	3.03	4.16	4.99	7.3	10.21	13.58	20.78	38.17	66.69	94.82	125.61
Heavy weight	2.24	3.53	4.82	5.76	8.39	11.63	15.41	23.18	44.17	66.69	94.82	125.61

RELATED DRAWINGS

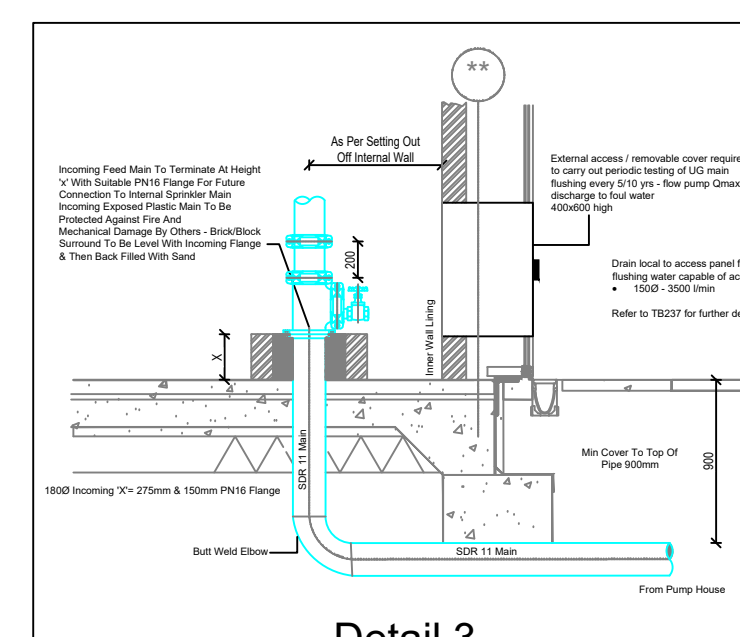
The drawings listed were used for design commencing from the date drawn
26C004-FRI-30-XY-D-I-1500-DRAFT



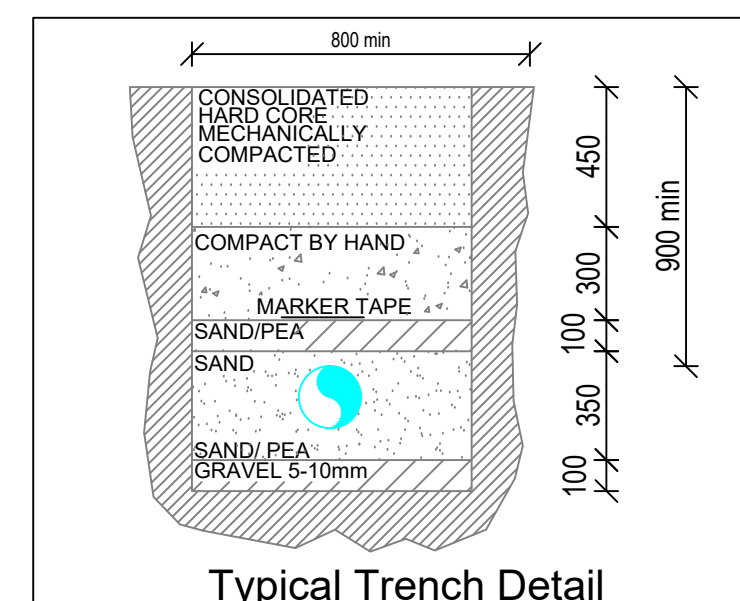
Detail 1



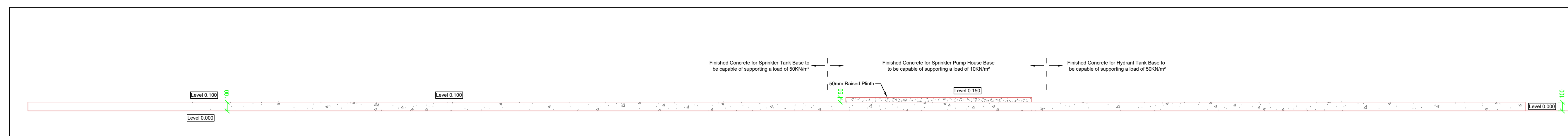
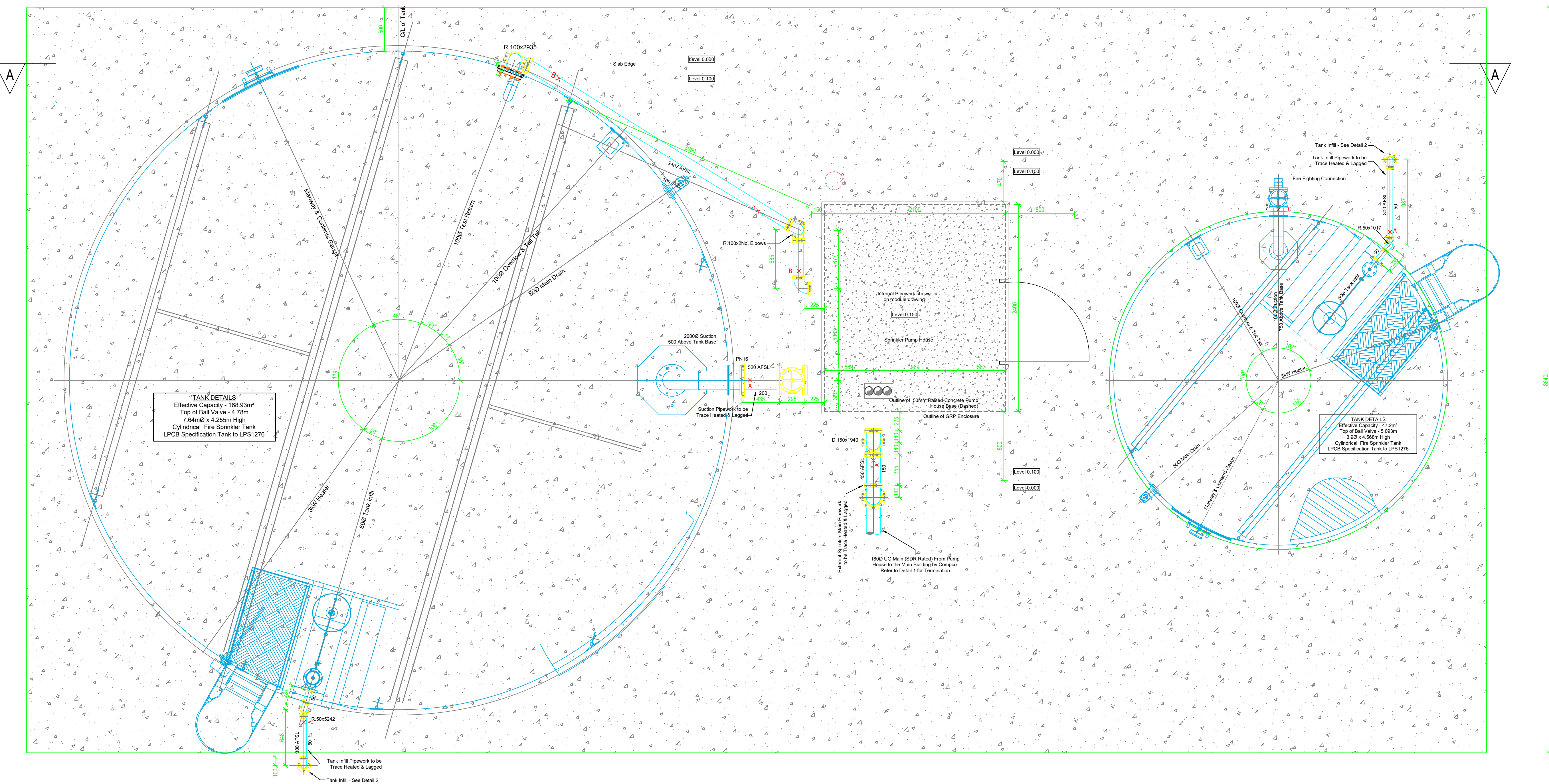
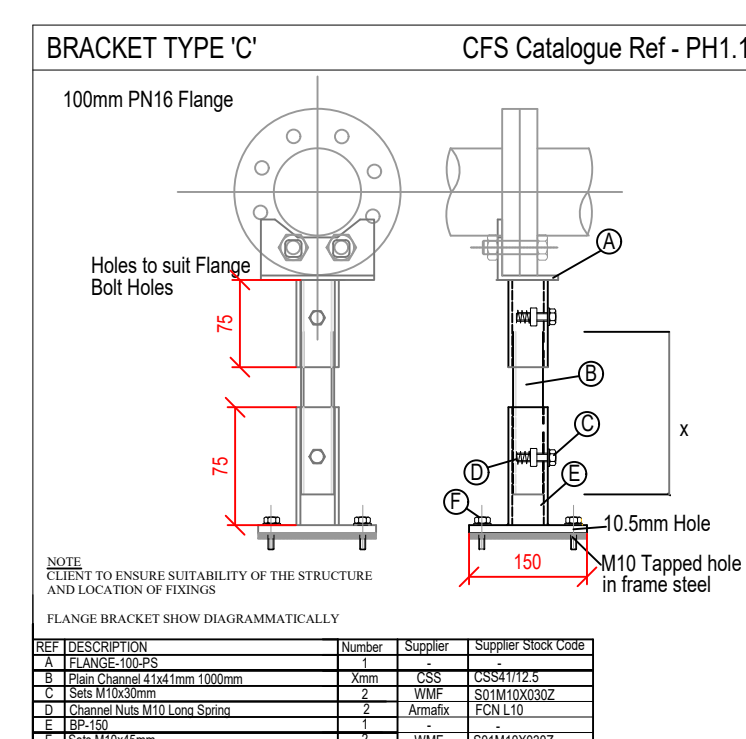
Detail 2



Detail 3



Typical Trench Details

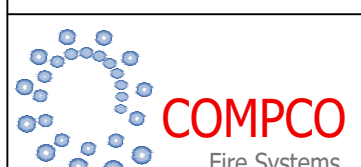


CONCRETE BASE - ELEVATION (Scale 1:25)

P01	Issued for Information Only	JZ	-	28/04/2025
Rev	Description	Drawn	Check	Date

FOR INFORMATION
Not for fabrication

Not for fabrication



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TITLE: Sprinkler & Hydrant Water Supplies Builderswork, Layout & Details

SITE: YGG Rhosafan School

DATE: 28/04/2025	SCALE: As Noted@A0	SUITABILITY CODE: S2
DRAWN:	CHECKED:	MODELS:

Dwg Number	Revision
26CC04-CFS-XX-XX-D-OH-0006	P01