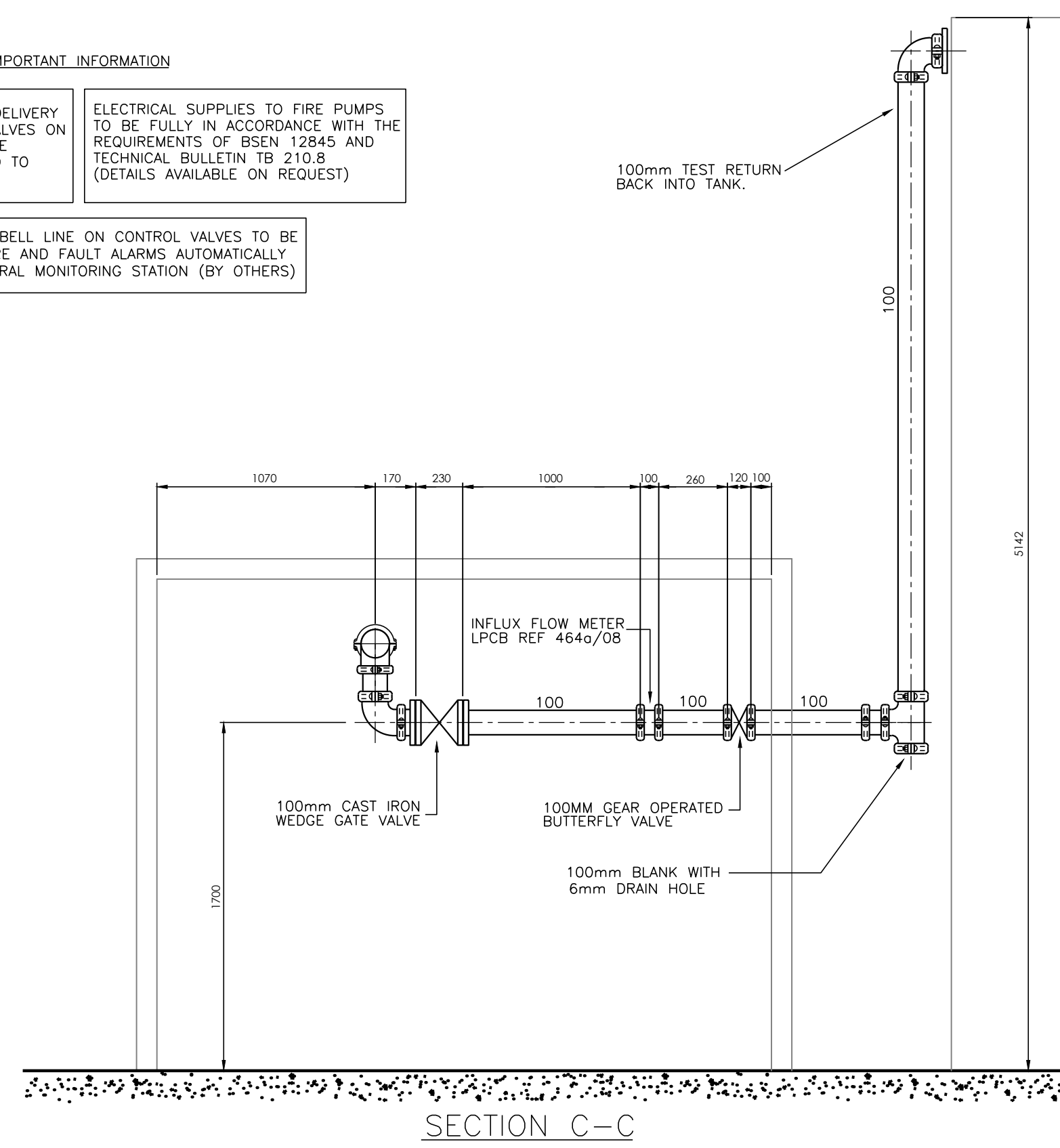
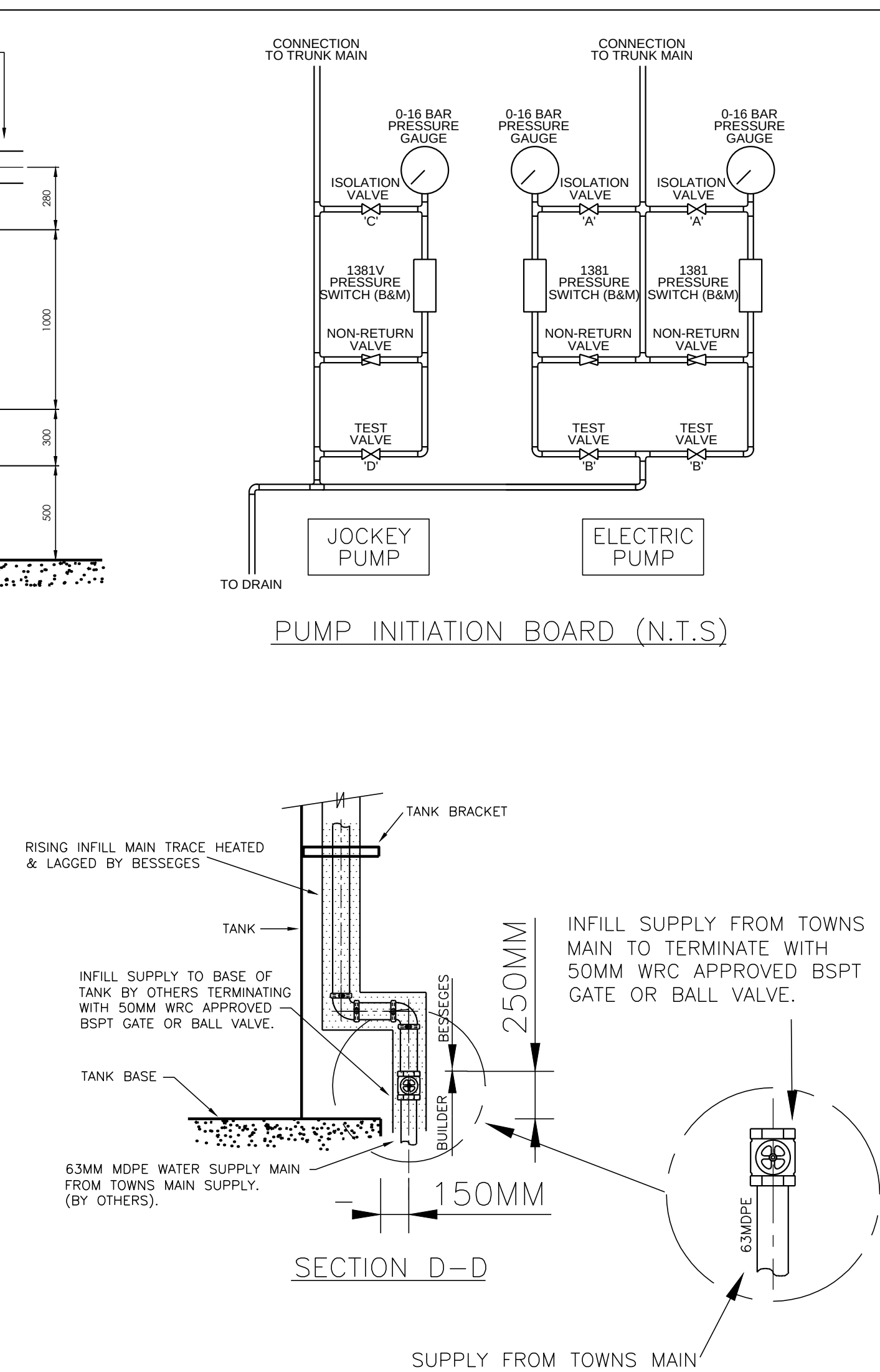




WARNING

CONTROLS, PROJECTERS, SPRAYERS AND SPRINKLERS

MUST NOT BE PAINTED.

TO THE FLOOR

SPRINKLER PIPES MUST BE LAID TO THE FOLLOWING MINIMUM SLOPES:-

WET PIPE SYSTEMS: 2mm in 1 METRE

DRY AND ALTERNATE WET PIPE SYSTEMS

PIPE DIAMETER 50mm AND ABOVE ~ 4mm IN 1 METRE

PIPE DIAMETER LESS THAN 50mm ~ 12mm IN 1 METRE

TO THE CEILING

BESSEGES LTD DO NOT ACCEPT ANY RESPONSIBILITY FOR DAMAGE CAUSED BY FROST. CLIENTS SHOULD TAKE ADEQUATE PRECAUTIONS AGAINST THE WATER IN THE VALVES & PIPEWORK ABOVE & BELOW THE VALVES FREEZING.

HOLES IN WALLS, PARTITIONS, & CEILINGS THROUGH WHICH PIPES PASS MUST NOT BE FILLED IN WITH MATERIALS WHICH HAVE A DELETERIOUS EFFECT.

CONTROL VALVES SHOULD NOT BE SUBJECTED TO A TEMPERATURE ABOVE 65°C PIPES, SCAFFOLDING OR ANY OTHER ITEMS OF PLANT MUST NOT BE ATTACHED TO OR SUPPORTED FROM ANY PART OF THE FIRE PROTECTION EQUIPMENT.

BESSEGES LTD DO NOT ACCEPT RESPONSIBILITY FOR DESIGN & CONSTRUCTION OF THRUST BLOCKS OR ANCHOR POINTS FOR UNDERGROUND MAINS.

SUITABLE DRAINAGE FACILITIES MUST BE PROVIDED BY CLIENTS AT TEST VALVE & OTHER DISCHARGES TO ACCEPT PERIODIC TEST DISCHARGES.

1. BRACKET REGULATIONS FOR EJECTION

UP TO 150MM4.0mMAX SPACINGS

65MM ~ 250MM6.0mMAX SPACINGS*

* PROVIDED TWO INDEPENDANT SUPPORTS ARE FITTED DIRECTLY TO THE STRUCTURE.

AND A SUPPORT IS USED WHICH IS CAPABLE OF BEARING A LOAD 50% GREATER THAN THAT CALLED FOR IN TABLE 40 OF EN12845.

2. WHERE GROOVED MECHANICAL JOINTS ARE USED THE FOLLOWING MUST BE ADHERED TO:-

1. PIPE SUPPORT IS 150MM.

4. THE DISTANCE FROM THE LAST PIPE SUPPORT TO THE END OF THE RANGE PIPE SHALL NOT EXCEED THE FOLLOWING:-

900MM FOR 25MM PIPING & 1200MM FOR PIPING GREATER THAN 25MM.

DESIGN SPECIFICATION

BS EN12845 LPC RULES

WATER SUPPLIES – EQUIPMENT SCHEDULE

ARMSTRONG ELECTRICALLY DRIVEN FIRE PUMP 1

PUMP DUTY:2250L/MIN @ 1.4 BAR

PUMP MODEL NUMBER4X3X8.5 ~15.0KW

SERIAL NUMBERTBC

ARMSTRONG JOCKEY PUMP

PUMP MODEL NUMBERVM52-9B 0.75KW

SERIAL NUMBERTBC

FRANKLIN HODGE SPRINKLER TANK

EFFECTIVE CAPACITY135M3 (FULL CAPACITY)

MIN RATE OF INFILL REQUIRED62.50 LITRES/MIN

INSTALLATION CONTROL VALVES150MM RAPIDROD MODEL E

No1 INSTALLATION ALARM VALVE SERIAL NoT.B.A

STATEMENT OF PRESSURE LOSSES BETWEEN DESIGN POINT & UNIT ZONE VALVES.

DESIGN POINT	PIPE LENGTH (MM)	NO OF TURNS OF PIPE (TURNS/VALVES)	EQUIPMENT LENGTH (TURNS/VALVES)	TOTAL EQUIV PIPE LENGTH	PRESSURE LOSS (KPa)
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ZONE

SPRINKLER HEADS		CONSTRUCTION
NO. OFF	TYPE	

REVISION

DETAILS

REVISION	DETAILS	DRAWN BY	CHECKED BY	DATE
P1	PRELIMINARY DESIGN PROPOSALS	KD	MW	9.02.22
P2	SPRINKLER WATER STORAGE TANK REDUCED IN HEIGHT AS REQUESTED BY CLIENT.	KD	MW	27.05.22

LPCB

UKAS

Approved to BS 971

Certificate No 00001

L.P.C.B CERTIFIED

INSTALLERS

LPCB

UKAS

Approved Sprinkler Contractor

Certificate No AS5 - 041

AUTOMATIC SPRINKLER PROTECTION

PROJECT

HOME BARGAINS STORE

PENTREBACH RETAIL PARK

MERTHYR TYDFIL

TITLE

SPRINKLER SYSTEM WATER SUPPLIES

DRAWING NUMBER	REVISION	DRAWN BY	K. DAVENPORT
A1.PH.C.14227.01	P2	SCALE	1-25 (A1)
		DATE	9.02.2022
		CHECKED BY	M. WILLOCKS