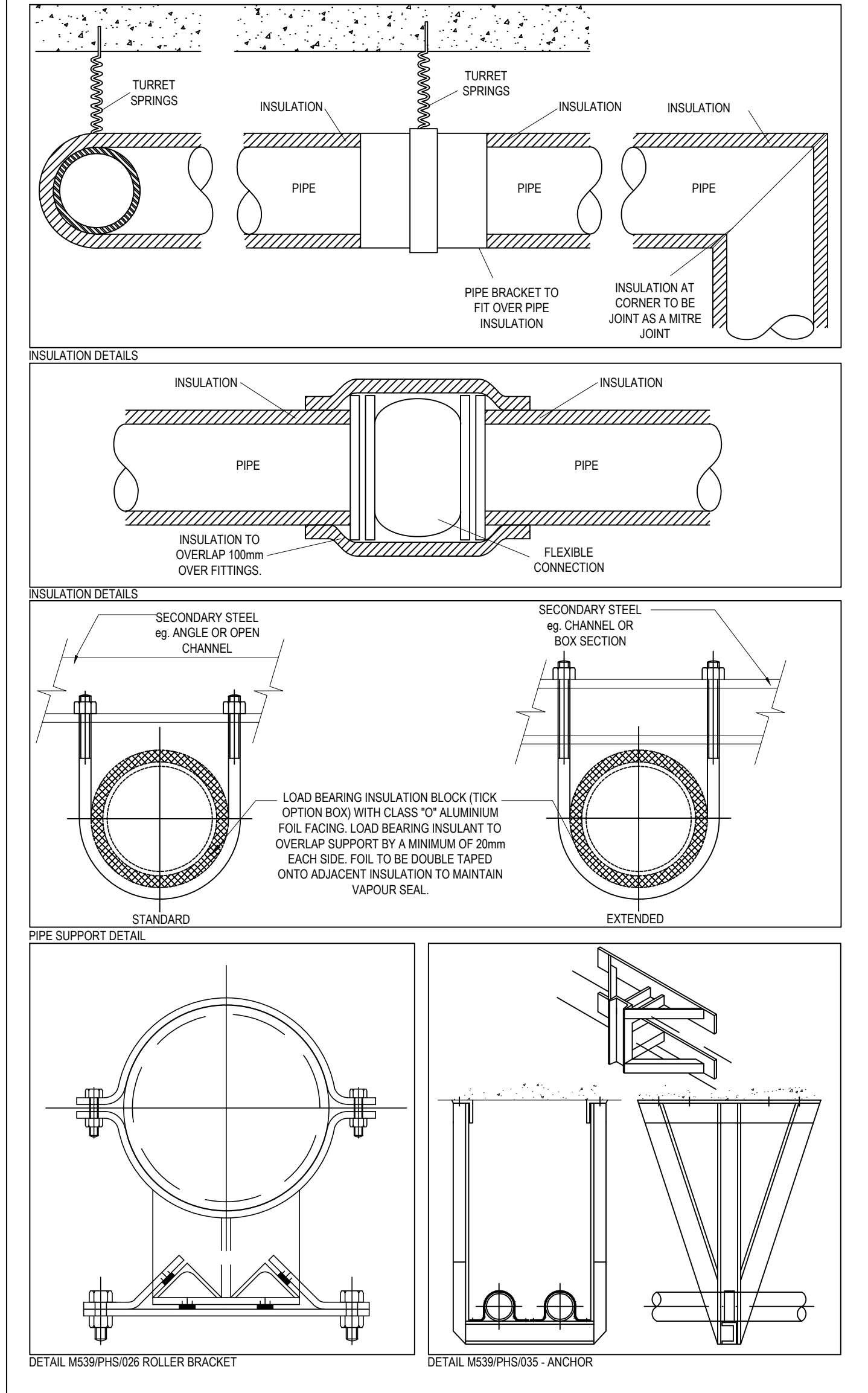
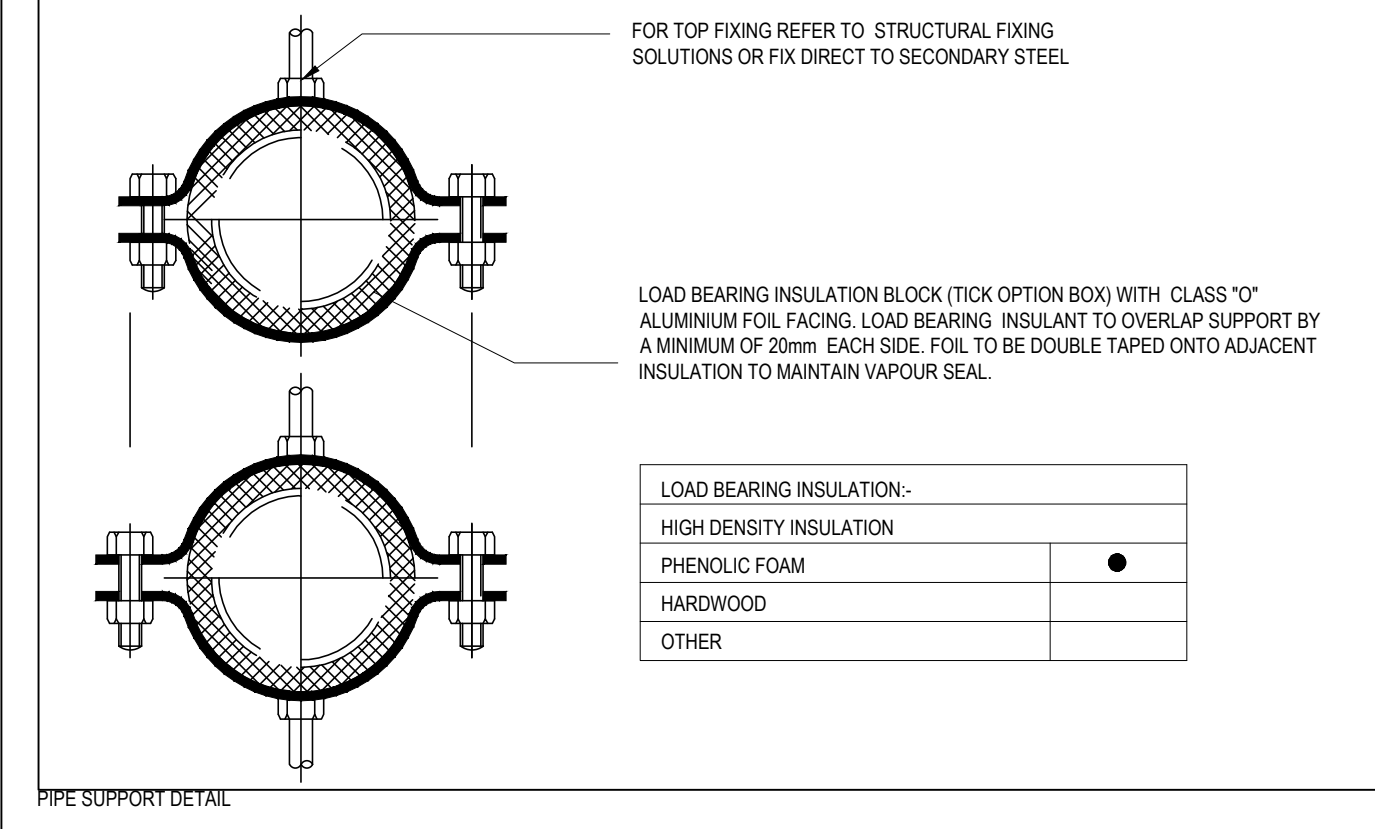


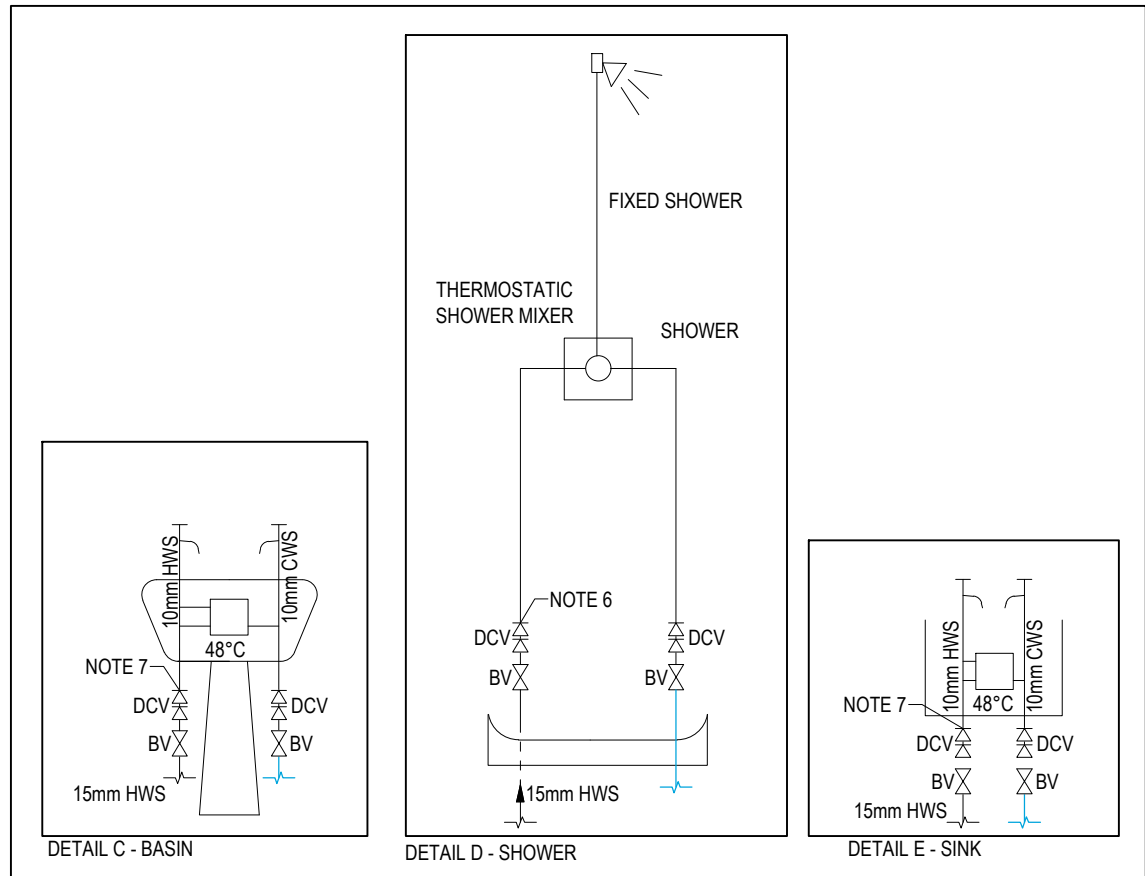
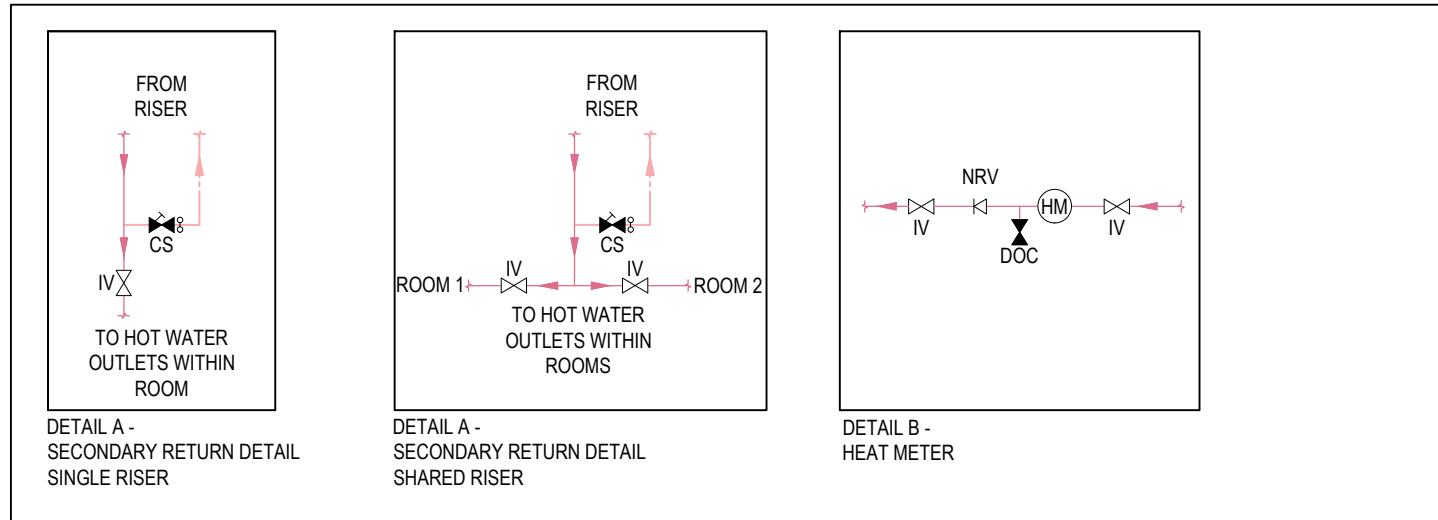
STEEL PIPEWORK SUPPORTS TABLE TAKEN FROM HVCA TR/20 PART 1 SECTION 3.7		
TABLE C		MAX. SUPPORT INTERVAL
PIPE SIZE (mm)	HORIZONTAL (m)	VERTICAL (m)
15	2.0	2.5
20	2.5	3.0
25	3.0	3.3
32	3.3	4.3
40	4.0	4.6
50	4.5	5.8
65	5.2	7.3
80	5.8	8.2
100	6.7	11.0
125	7.0	12.0
150	8.0	12.0
200	9.5	14.0
250	10.5	18.0

NOTE: ALL PIPE WORK AND FITTINGS TO BE INSULATED AS PER THE SPECIFICATION. GENERALLY WITH THE FOLLOWING MINIMUM THICKNESS:		
MIN. INSULATION THICKNESS		
PIPE SIZE (mm)	MINERAL WOOL (mm)	PHENOLIC FOAM (mm)
15	30	15
20	30	15
25	35	20
32	35	20
40	35	20
50	40	25
65	40	25
80	40	25
100	45	25
125	45	30
150	45	30
200	50	30
250	50	30



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- NOTES
- Refer to individual flat type drawings and water distribution layouts for the mechanical services particular details.
 - The Stopcock and PRV (set at 2 bar) should have threaded or soldered fittings (not compression fittings). No compression fittings are to be used before the PRV.
 - All water pipework to be in copper unless otherwise stated. All pipework smaller than 67mm is to be silver soldered and larger than 67mm is to be brazed. All fittings and ancillaries on potable hot water systems to be bronze or stainless steel internals.
 - All bin store and wash down points to be provided from a Category 5 break tank to prevent possible backflow.
 - All pipe work is to be insulated in ducts and voids for heat transfer. To be insulated in accordance with Building Regulations Part L and have a thermal conductivity not exceeding 0.035W/mK. All pipe work within 1m of the cylinder shall be insulated with minimum of 15mm thickness insulation. All insulation to be Class P polyethylene tubing.
 - All shower hoses located in baths and showers shall be fitted with a double check valve to prevent Fluid Category 3 contamination in accordance with the Water Regulations 1999. There must be a minimum gap of 25mm between the split over level of the toilet pan and the shower handset to prevent a Fluid Category 3 contamination in accordance with the Water Regulations 1999.
 - Where basin/baths are fitted with a combination tap or mixer fitting and the hot and cold water are not balanced, the hot and cold water supply should be fitted with a double check valve to prevent Fluid Category 2 contamination in accordance with Water Regulations 1999. Should the tap outlet be submerged if basin/bath is filled to spillover level, the hot and cold water supply shall be fitted with a double check valve to prevent Fluid Category 3 contamination in accordance with Water Regulations 1999.
 - All appliances shall be fitted with service isolation valves & balanced to requirement of BS 6558.
 - Flow restriction shall be provided on outlets, flow rates scheduled below.
 - A thermostatic mixing valve set at a maximum of 48°C must be fitted to all bath basins and sink hot water outlets. Refer Building Regulation Approved Document G (2015), section 3.65-3.68.
 - A double check valve is to be fitted to the cold supply to the washing machine / dishwasher unless proof can be provided the appliances are Water Regulations Category 3 safe.
 - If bath/shower mixer tap is fitted to the bath, double check valves shall be fitted to the bath tails, then a flow restrictor shall be provided to the shower flow. If a combined filler/overflow is specified, double check valves are required. Refer to "Flow Restrictions Requirements" schedule below for flow rates.
 - WC's are to have an AG air gap in accordance with water authorities guidance. Should a WC with an AC air gap be specified, a double check valve will be required on the supply.

- LEGEND
- CS COMMISSIONING SET
 - DP DIRT POCKET
 - IV NORMALLY OPEN ISOLATION VALVE
 - IV NORMALLY CLOSED ISOLATION VALVE
 - SR SECONDARY RETURN BYPASS. SEE DETAIL A.
 - SECONDARY RETURN PIPEWORK
 - HOT WATER PIPEWORK
 - SR SECONDARY RETURN
 - PRV PRESSURE REDUCING VALVE



C1	28.01.2022	Construction issue	DALS	EJ
Rev	Date	Description	Dwn	Chkd
Current purpose: CONSTRUCTION				
Original issue Date: 28.01.2022		Scale: NTS	Size: A1	
		Dwn: DALS	Chkd: EJ	

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Title:	HOT WATER DISTRIBUTION SCHEMATIC TOWN HALL		
Project:	HORNSEY TOWN HALL		
Client:	ARDMORE		Rev:
Dwg Number:	10687-M-04-TH-0003		C1