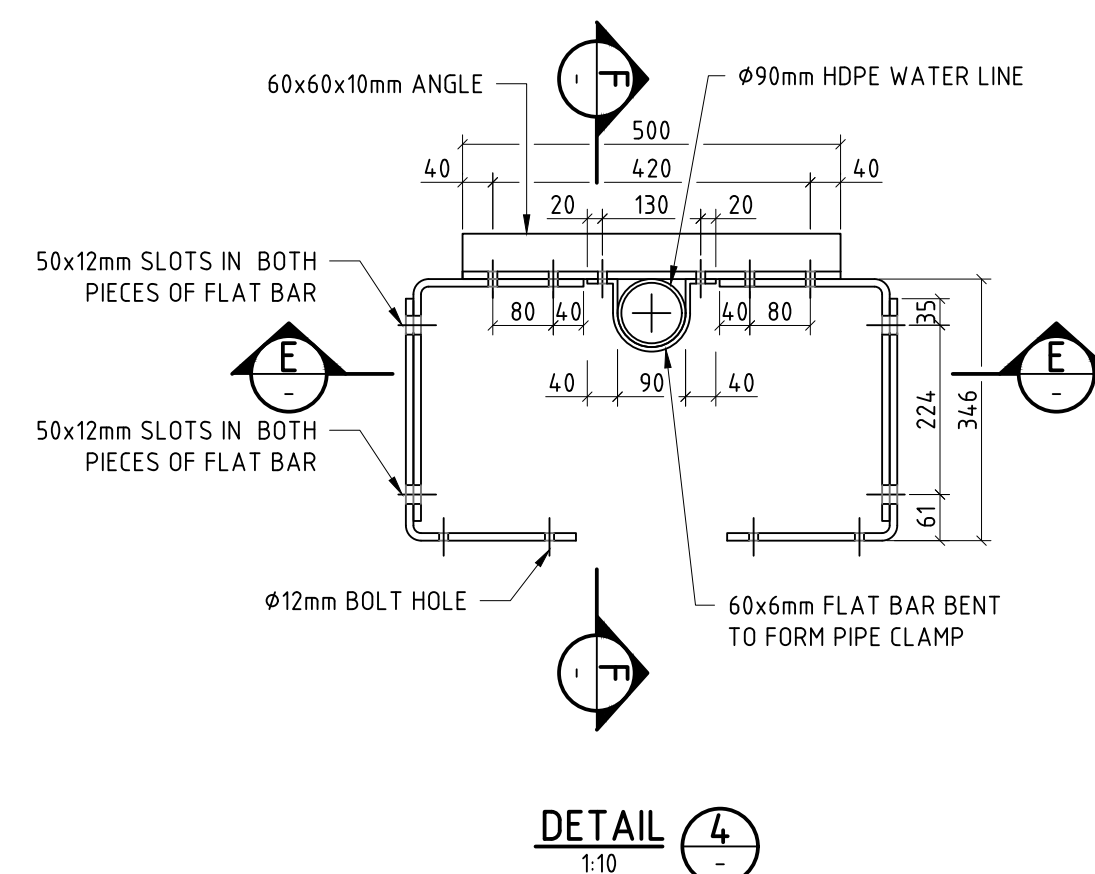
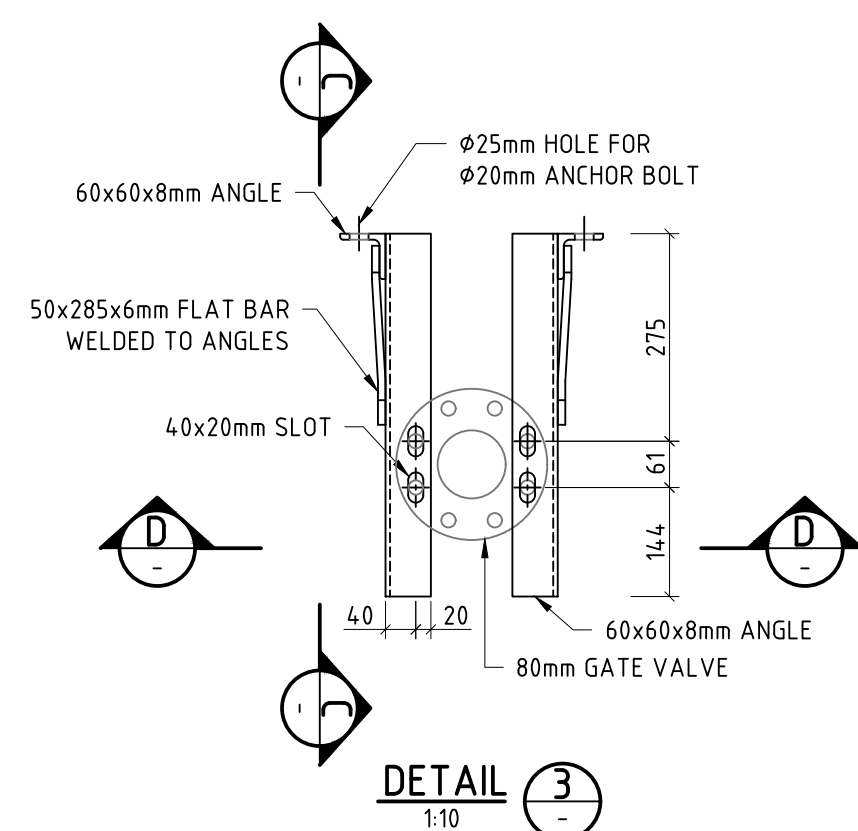
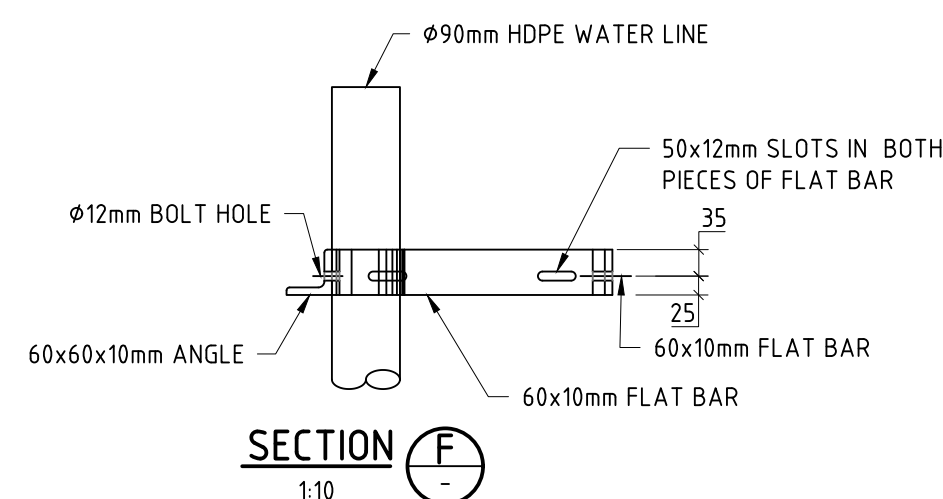
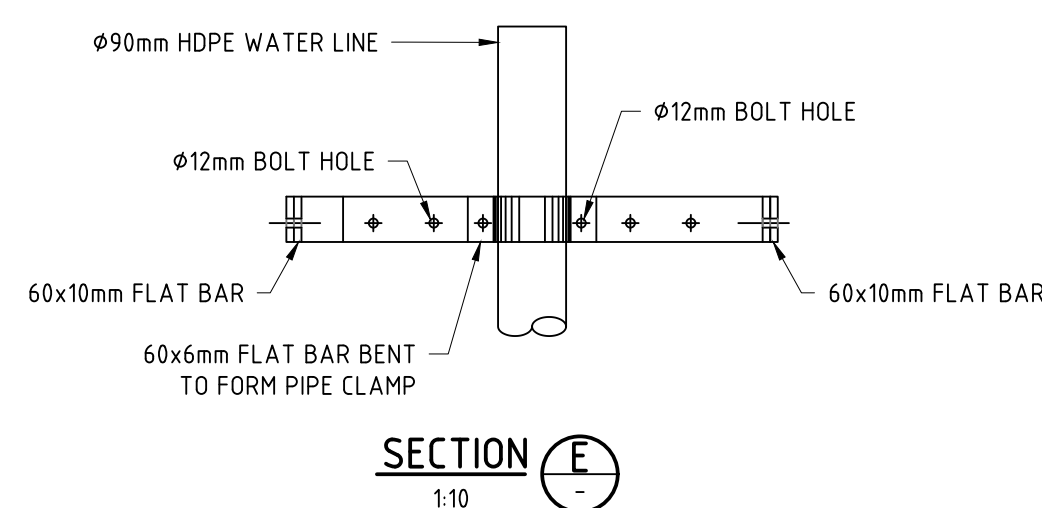
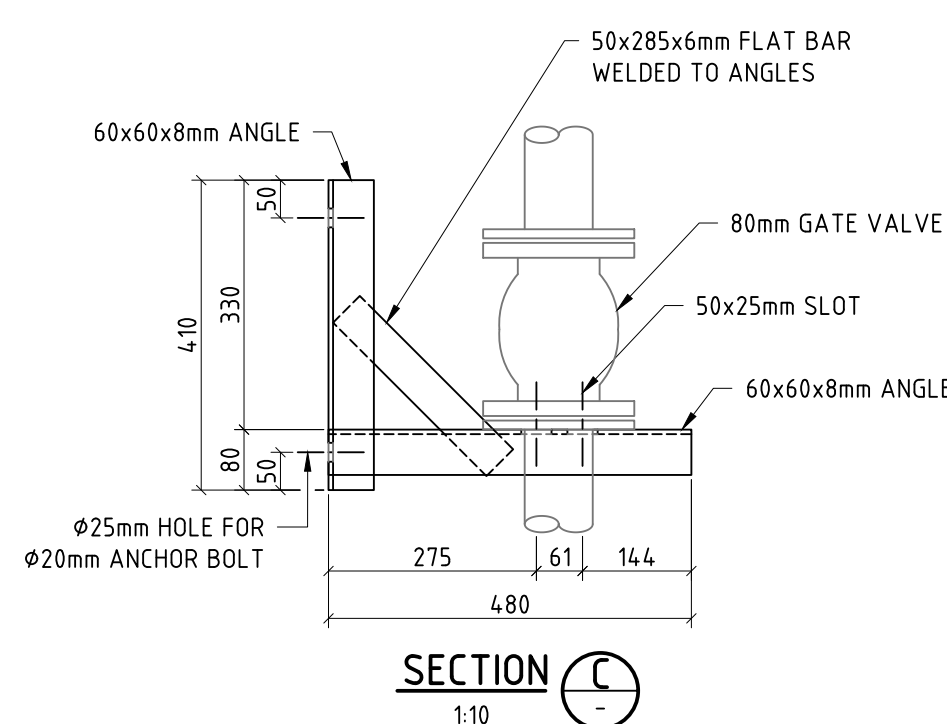
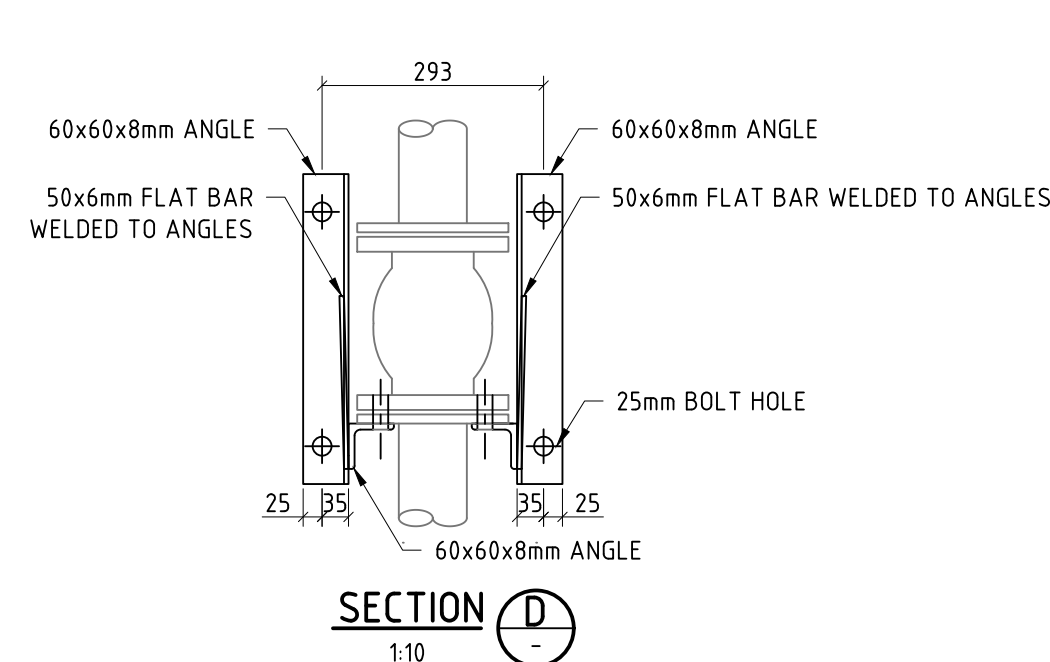
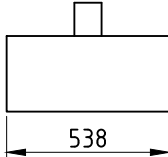

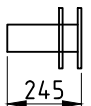
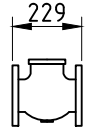
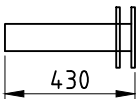
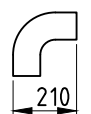
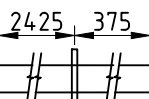


NOTES:



1. GENERAL
- 1.1. WATER LINE TO BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PARTS OF SANS 1200L AND SANS 1200 L.
- 1.2. ALL TRENCHES ARE TO BE IN ACCORDANCE WITH SANS 1200 DB
- 1.3. ALL PIPE BEDDING IS TO BE IN ACCORDANCE WITH SANS 1200LB
2. VALVES
- 2.1. GATE VALVES SHALL BE CAST IRON FLANGED RESILIENT SEAL TYPE, COMPLYING TO SANS 664 CLASS 16.
- 2.2. GATE VALVES SHALL BE CLOCKWISE CLOSING AND SHALL HAVE RISING SPINDLES.
3. FLANGES
- 3.1. ALL FLANGES SHALL COMPLY WITH SANS 1123 TABLE 15.
- 3.2. THE JOINTING MATERIAL USED ON FLANGE JOINTS SHALL BE A 3mm NEOPRENE RUBBER INSERTION.
- 3.3. FULL FACE GASKETS SHALL BE USED ON ALL JOINTS.
- 3.4. ALL BURIED FLANGED JOINTS SHALL BE COVERED WITH DENSO MASTIC AND WRAPPED WITH DENSO TAPE.
- 3.5. ANY BOLTS, NUTS, WASHERS & BACK UP RINGS USED ON FLANGES ARE TO BE STAINLESS STEEL GRADE 316 STAINLESS STEEL TO ASTM 240.
4. FASTENERS
- 4.1. BOLTS, NUTS AND WASHERS USED ON PIPE SUPPORT FRAMES SHALL BE COATED WITH A ZINC COATING APPLIED BY THERMO DIFFUSION COATING (SHERARDIZING) IN ACCORDANCE WITH BS EN 13811:2003.
5. SUPPORT BRACKETS
- 5.1. ALL SUPPORT BRACKETS SHALL BE COATED WITH A ZINC COATING APPLIED BY THERMO DIFFUSION COATING (SHERARDIZING) IN ACCORDANCE WITH BS EN 13811:2003.
6. HDPE PIPES
- 6.1. HDPE PIPES ARE TO BE PE 100 CLASS 16 WITH A STANDARD DIAMETER RATIO OF 11 IN ACCORDANCE WITH ISO 4427.
- 6.2. HDPE PIPES ARE TO BE JOINED TOGETHER BY ELECTROFUSION COUPLING IN ACCORDANCE WITH SANS 10286 PART 2.
- 6.3. COUPLINGS MAY NOT HAVE A PRESSURE RATING LOWER THAN THAT OF THE PIPES BEING JOINED TOGETHER.
7. PRECAST PROTECTION SLABS
- 7.1. PRECAST PROTECTION SLABS ARE TO BE CONSTRUCTED WITH 35MPa CONCRETE.
- 7.2. PROTECTION SLABS ARE TO BE REINFORCED WITH ONE ROW OF Y8 WELDED MESH



PRECAST PROTECTION SLABS DIMENSIONS				
	LENGTH (mm)	WIDTH (mm)	DEPTH (mm)	NO OFF
TYPE 2	1500	1000	150	17

MARK	COMPONENT	NO. OF	DESCRIPTION
A01		1	Ø250x90x250mm HOPE REDUCING TEE ELECTROFUSION COUPLING.
A02		2 **	Ø90mm HOPE ELECTROFUSION COUPLING
A03		1	Ø90mm HOPE SPOOL PIECE 245mm LONG WITH Ø90mm SLIP ON METAL BACK UP RING. ONE END FLANGED. ONE END PLAIN.
A04		1	Ø80mm CAST IRON STRAIGHT THROUGH GATE VALVE.
A05		1	Ø90mm HOPE SPOOL PIECE 430mm LONG WITH Ø90mm SLIP ON METAL BACK UP RING. ONE END FLANGED. ONE END PLAIN.
A06		1	Ø90mm HOPE 90° ELBOW ELECTRO FUSION COUPLING.
A07		1	Ø90mm HOPE PUDDLE PIPE. 2800 LONG. BOTH ENDS PLAIN.

++ QUANTITY ONLY APPLIES TO COUPLINGS FOR SPECIAL FITTINGS ONLY. STANDARD PIPE LENGTHS ARE TO BE SUPPLIED COMPLETE WITH COUPLINGS.

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1785-CO-120-C-DWG-0001-01		WATER SUPPLY GENERAL ARRANGEMENT										<p>PR. ENG. / PR. TECH.</p> <p>NAME J. ZIETSMAN DATE</p> <p>SIGNATURE 19/07/26</p> <p>REG. NUMBER 760293</p> <p>SCALE : OR AS SHOWN</p>									
DRAWING NO. REFERENCE		PROJECT NO DIS CODE AREA DISP TYPE DRG NO SHEET STATUS REV										<p>PROJECT NUMBER 211228330 DIV 1 FBS 1 DIS 2 TYPE C DRG NO 1001 SHT 07 REV 0A ID DC</p>									
REFERENCE DRAWINGS		1785CO120C120CDWGO00207T0A										<p>NO. DESCRIPTION BY CHK'D APP'D DATE</p> <p>REVISIONS / ISSUE AUTHORIZATION</p> <p>This Document including all design and information herein is Confidential Intellectual Property of ZAA Engineering Projects and Naval Architecture (Pty) Ltd. Copyright and all other rights are reserved by ZAA. This Document may only be used for its intended purpose.</p>									