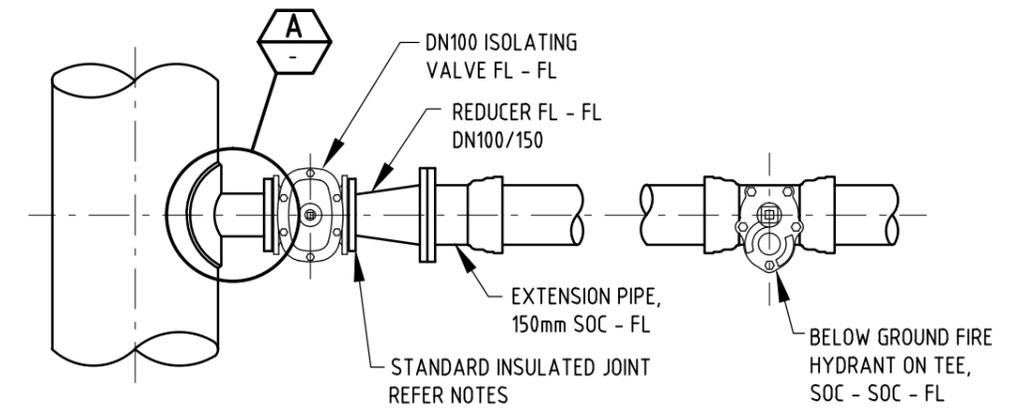


① ALL BRANCH SIZES EXCEPT DN150



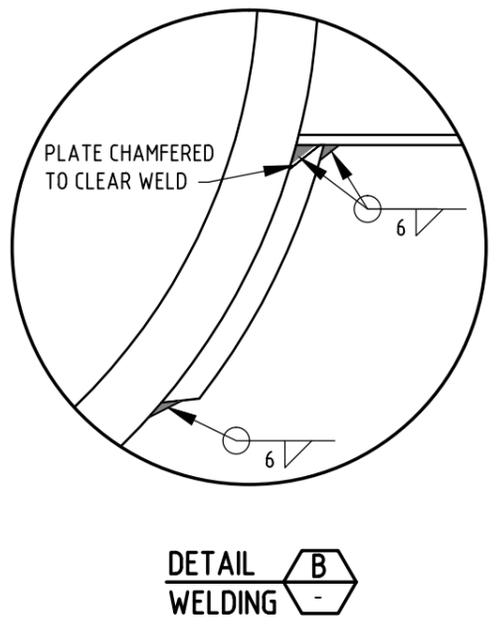
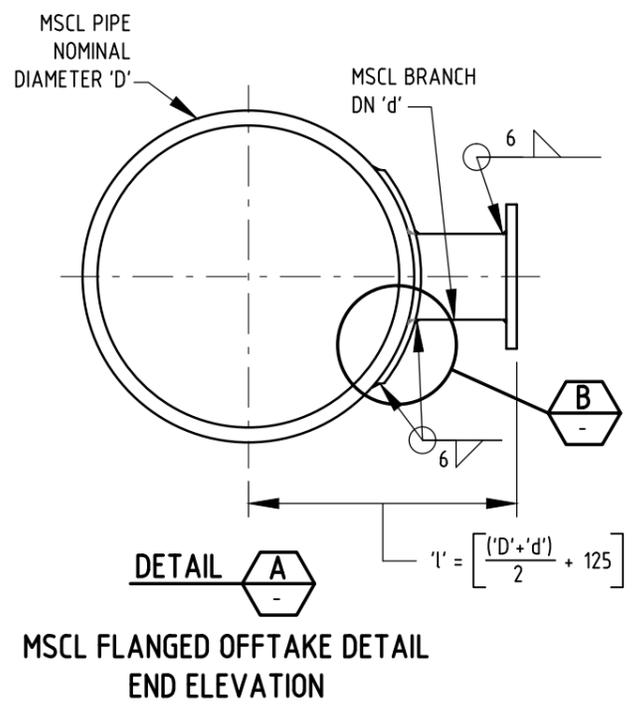
② DN150 BRANCH ONLY

MSCL FABRICATION/ INSTALLATION REQUIREMENTS:

1. ALL WELDING SHALL BE IN ACCORDANCE WITH AS 4041, CLASS 2P.
2. FLANGES SHALL BE IN ACCORDANCE WITH AS 4087. DIMENSIONS FOR STEEL CLASS 16, FLAT FACED.
3. CLEAN EXISTING MAIN PIPE COATING FOR FULL PIPE CIRCUMFERENCE FOR 100 mm SURROUNDING OFFTAKE LOCATION.
4. CLEAN ENTIRE LENGTH OF BRANCH OFFTAKE.
5. ALL WELDING SLAG SHALL BE REMOVED.
6. FOR BURIED APPLICATIONS:
 - OFFTAKE SHALL BE PROTECTED WITH BITUMEN MASTIC TAPE SYSTEM IN ACCORDANCE WITH TS 18.
 - ADDITIONAL BITUMEN MASTIC TAPE SYSTEM SHALL BE EXTENDED AROUND FULL PIPE CIRCUMFERENCE, ADJACENT TO OFFTAKE, AND ONTO THE EXISTING COATING, IN ACCORDANCE WITH TS 18.

NOTES:

1. REFER 4005-30002-01 & 4005-30002-02 FOR GENERAL NOTES.
2. A BRANCH **SHALL NOT BE INSTALLED WITHIN MIN 1000 mm OF THE SOCKET END OF A DN100 PIPE.** MSCL FLANGED OFFTAKES, DN100 & DN150, SHALL BE AN 'UNDER PRESSURE TAPPING' AND SHALL BE UNDERTAKEN BY AN AUTHORISED CONTRACTOR. **REFER AUTHORISED PRODUCTS FOR WATER SYSTEMS FOR CONTRACTORS APPROVED TO PERFORM THIS WORK.**
3. THRUST / ANCHOR BLOCKS ARE NOT REQUIRED.
4. THE CONSULTANT SHALL DETERMINE THE REINFORCING PLATE SIZE. CONFIRMATION OF PIPELINE PRESSURES SHALL BE SOUGHT FROM THE SA WATER REPRESENTATIVE TO ASSIST WITH THE CALCULATION.
5. ALL BELOW GROUND FLANGES FIRE HYDRANTS, ISOLATING VALVES AND TAPERS SHALL BE PROTECTED WITH PETROLATUM TAPE SYSTEM OR BITUMEN MASTIC TAPE SYSTEM IN ACCORDANCE WITH TS 18.
6. STANDARD INSULATED FLANGED JOINT SHALL BE INSTALLED WHERE INDICATED. REFER 04-0408-01 FOR DETAILS.
7. REFER SECTION 5 FOR DETAILS ON PIPE CONSTRUCTION FOR THE BRANCH MAIN.
8. REFER SECTION 3 FOR THRUST PROTECTION FOR THE BRANCH MAIN.



REVISION PANEL				
REV	DATE	DRN	DETAILS	APR
1	31/03/16	MS	2016 STANDARDS REVIEW	TG

DESIGN PANEL			
DESIGNED:	28/09/15	AUTHORISED:	31/03/16
	RJP		T.GALEK
DRAWN:	16/11/15	SIGNATURE:	
	MS		
REVIEWED:	21/03/16		
	TG		

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SA WATER STANDARD DRAWINGS

WATER SUPPLY CONSTRUCTION MANUAL

LAYING DETAILS FOR BRANCHES OFF

EXISTING MSCL MAIN

A3	1
SHT SIZE	REVISION
TOTAL SHEETS:	
SUPERSEDES: 91-0059-03 (C8)	
DRAWING NUMBER	
4005-30005-07	
PREFIX	NUMBER SHEET