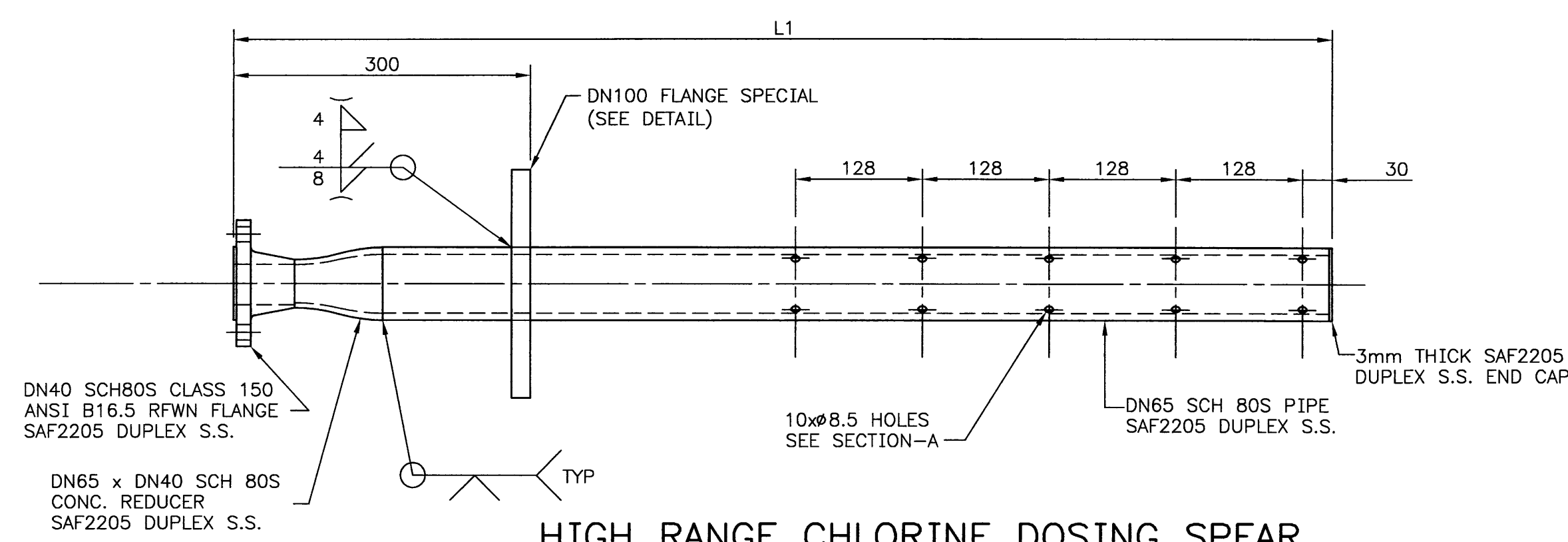
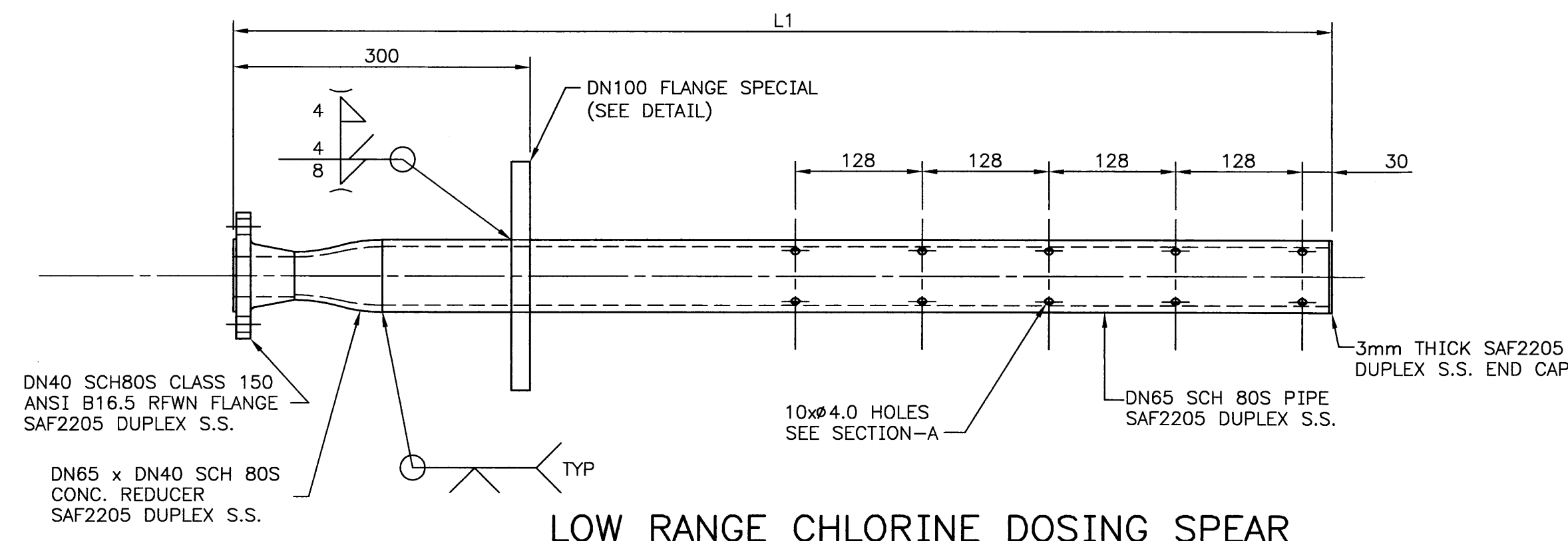


PIPE SIZE	L1	L2
800	1066	766
900-1200	1110	810



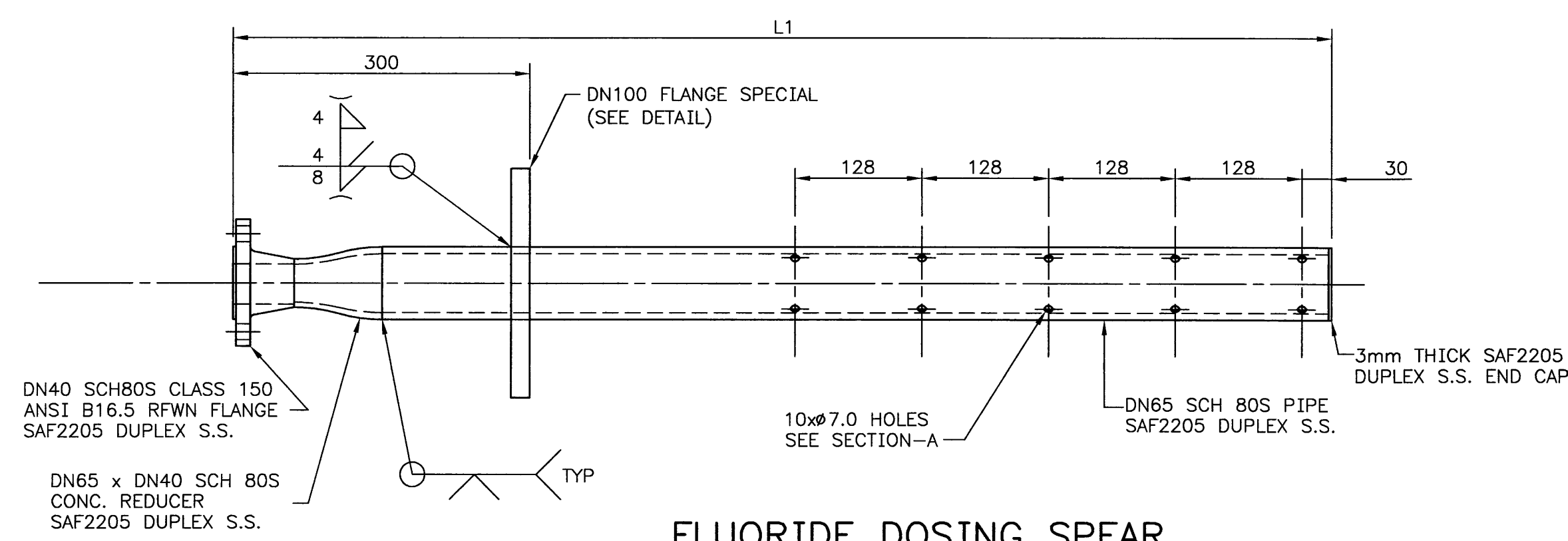
HIGH RANGE CHLORINE DOSING SPEAR

SCALE ①



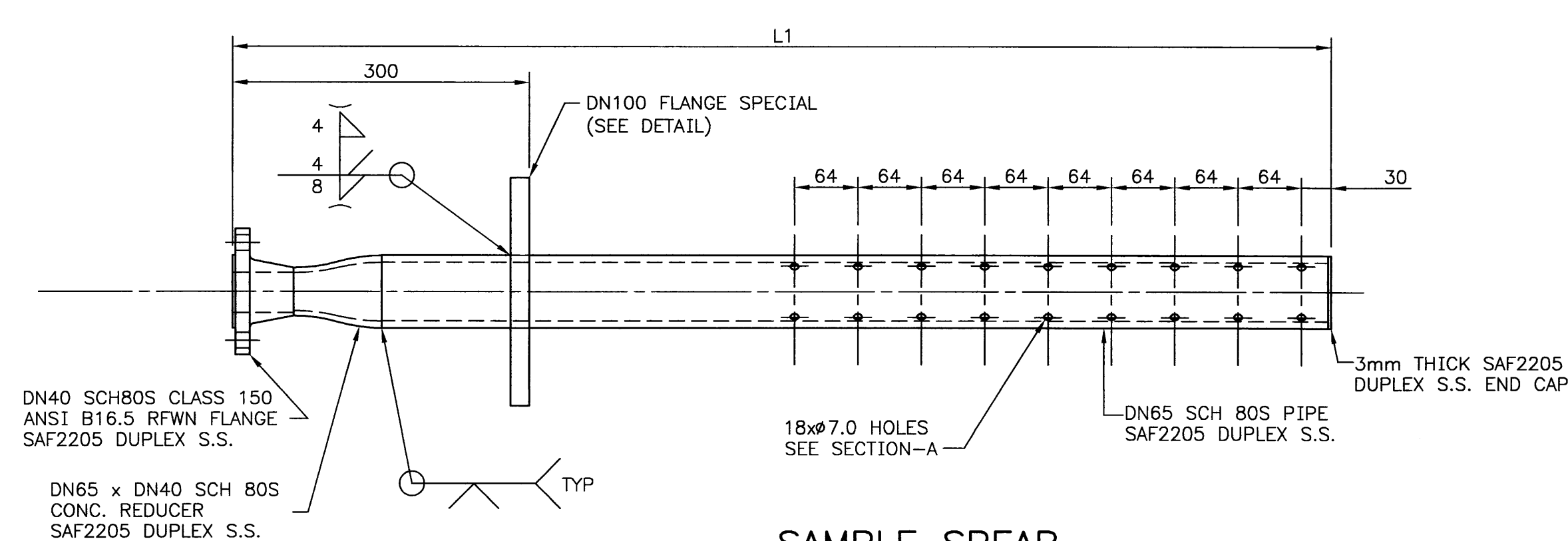
LOW RANGE CHLORINE DOSING SPEAR

SCALE ①



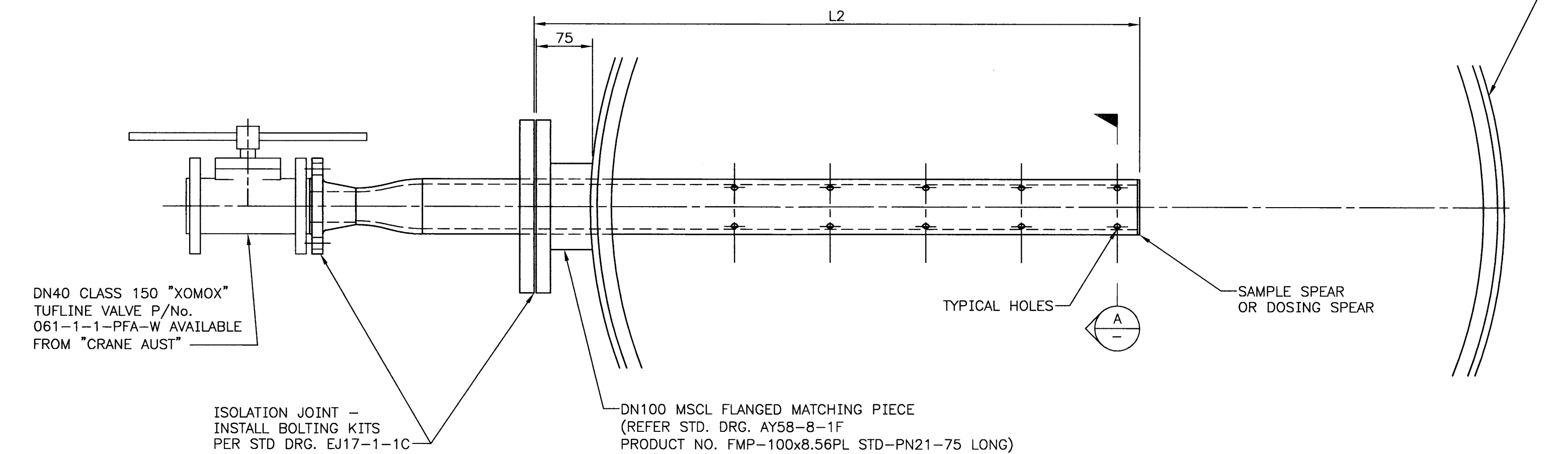
FLUORIDE DOSING SPEAR

SCALE ①



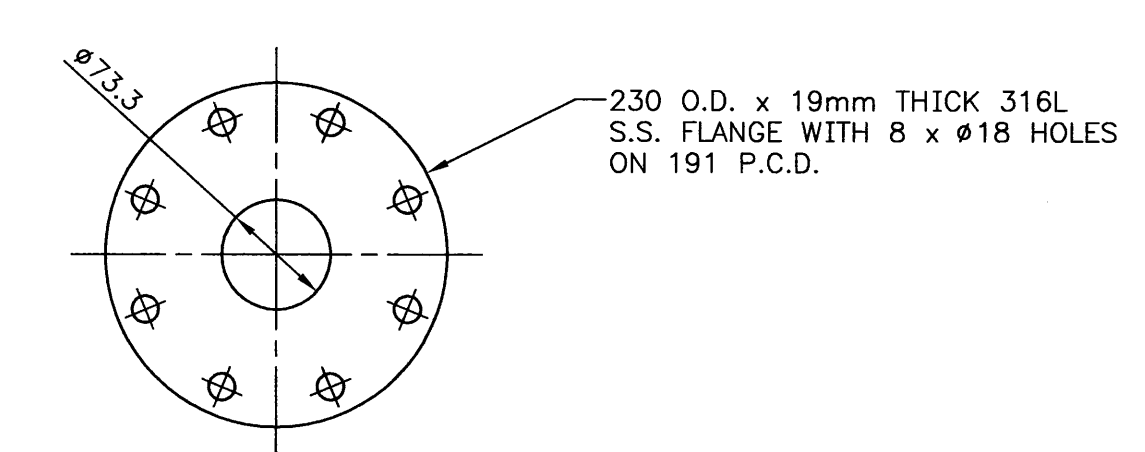
SAMPLE SPEAR

SCALE ①



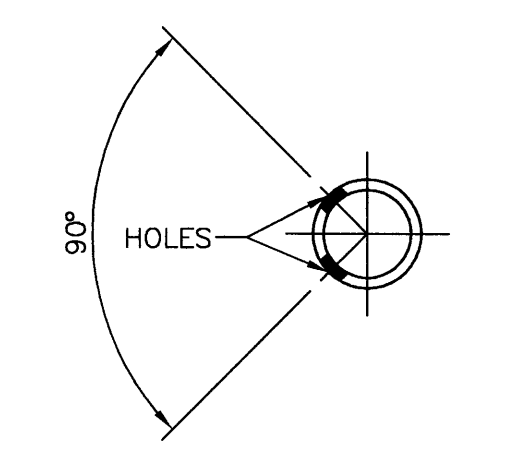
TYPICAL SPEAR INSTALLATION

SCALE ①



DN100 FLANGE SPECIAL DETAIL

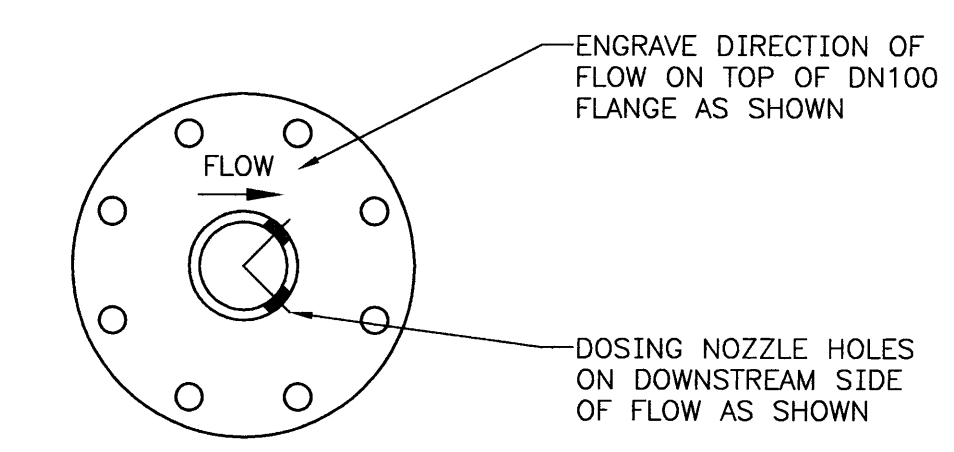
SCALE ①



SECTION A

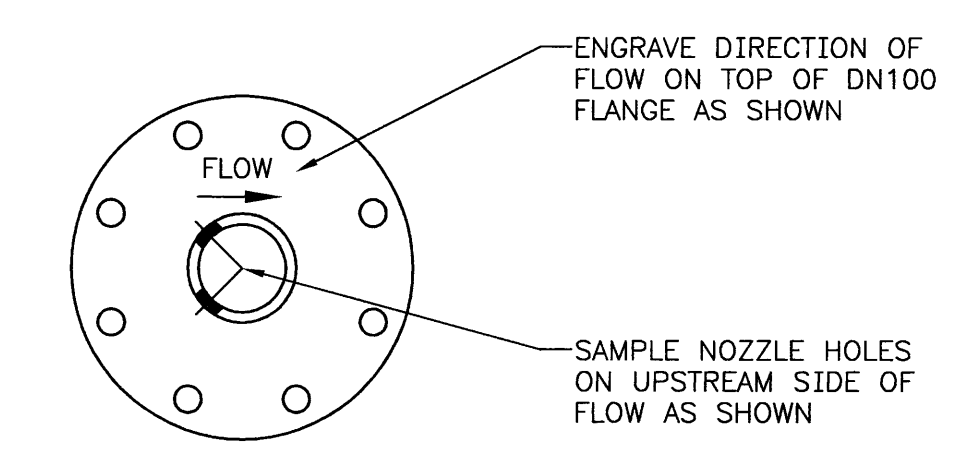
SCALE ①

(TYPICAL AT HOLES IN SPEAR)



DOSING SPEARS DIRECTION OF FLOW

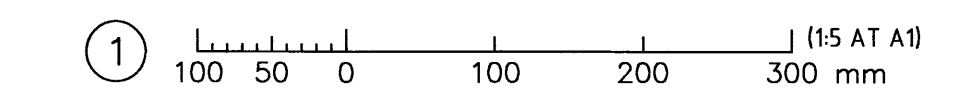
SCALE ①



SAMPLE SPEARS DIRECTION OF FLOW

SCALE ①

GENERAL NOTES
1. SYSTEM HAS A PRESSURE RATING OF 21 BAR.



JOB NUMBER 301012-01953

566	ISSUE	DATE	GRID	REVISION	DRN	REC	APPD	DESIGN SURVEY	VERTICAL DATUM	DES CALC	NORTH POINT	RECOMMENDED	26/08/2014	A. LEADMAN PROJECT MANAGER	WATER CORPORATION	MECHANICAL STANDARD DRAWING MECHANICAL DESIGN STANDARDS CHEMICAL DOSING STANDARD DRAWING DOSING SPEAR FOR PIPE SIZE DN800 AND LARGER	ORIGINAL SHEET SIZE A1
								NONE	NONE	D. RUBINSTEIN							
								COORDINATE SYS	NONE	D. NAESER							
								ASCON SURVEY	NONE	DES REF							
810	TYP	Q.C. CHD	A. CAMPBELL	GENERAL MANAGER	26/08/2014	D. VILE	PROJECT MANAGER	JZ39-002-003-01	A	MF 16 SEP 2014	PROJECTS\301012-01953 - WATER CORP CHEMICAL DOSING SPEARS\11.0 DRAWINGS\MECHANICAL\JZ39-002-003-01A	27/08/2014	27/08/2014	27/08/2014	27/08/2014	27/08/2014	27/08/2014