



1. ALL FLANGE SHALL BE FACED AFTER WELDING OF SKIRT.
2. EXPOSED METAL SURFACES, EXCEPT FLANGE FACE SHALL BE COATED WITH DIELECTRIC COATING PER SPECIFICATION SECTION 09 97 72. FLANGE FACE SHALL BE COATED WITH SHOP PRIMER.
3. FLANGES INSTALLED SHALL CONFORM TO AWWA STANDARD C-207 CLASS "E".
4. 250# ANSI VALVE SPEC NOT COMPATIBLE WITH AWWA C-207 CLASS "E".
5. RADIAL NOZZLES SHALL BE USED FOR INSTALLATION OF WELD LEADS.

NOZZLE DIMENSIONS (INCHES)										
NOZZLE	A	B	F	C	tc	tn	BOLT HOLE DIA	BOLT DIA	No. BOLT	E
										(PER AWWA CLASS "E")
4	4.57	7.5	3	9	3/8	0.365	3/4	5/8	8	1.125
6	6.72	9.5	5	11	7/16	0.365	7/8	3/4	8	1.313
8	8.72	11.75	6	13.5	1/2	0.365	7/8	3/4	8	1.500
10	10.88	14.25	6	16	1/2	0.365	1	7/8	12	1.563
12	12.88	17	7	19	1/2	0.375	1	7/8	12	1.750
16	16.19	21.25	9	23.5	5/8	0.375	1 1/8	1	16	2.000
24	24.19	29.50	11	32	3/4	0.375	1 3/8	1 1/4	20	2.625
36	36.25	42.75	12	46	3/4	0.375	1 5/8	1 1/2	32	3.125

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CCSF 2013  
NAVD88

NO.	DATE	DESCRIPTION	BY	APPR
REVISIONS				

WATER CONTRACT NO. WD-2775 CONTRACT NO. 2652J			
CITY AND COUNTY OF SAN FRANCISCO <b>PUBLIC UTILITIES COMMISSION</b> INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU			
INSTALLATION OF 16-INCH AND 36-INCH, AND RELOCATION OF 8-INCH DUCTILE IRON WATER MAINS AT VARIOUS LOCATIONS ON 19TH AVENUE FROM HOLLOWAY AVENUE TO LINCOLN WAY			
STEEL NOZZLE LAUNCH DETAILS			
CHECKED / APPROVED <i>R. YURT</i>		DRAWN RS	
SECTION MANAGER <i>File</i>		DESIGNED RT	
APPROVED <i>[Signature]</i>		APPROVED <i>[Signature]</i>	
MANAGER, ENGINEERING MANAGEMENT BUREAU		MANAGER, CITY DISTRIBUTION DIVISION	
SHEET . OF .	PLAN NO. WD-2775-6	DRAWING NO. E-31374	REVISION NO. 0