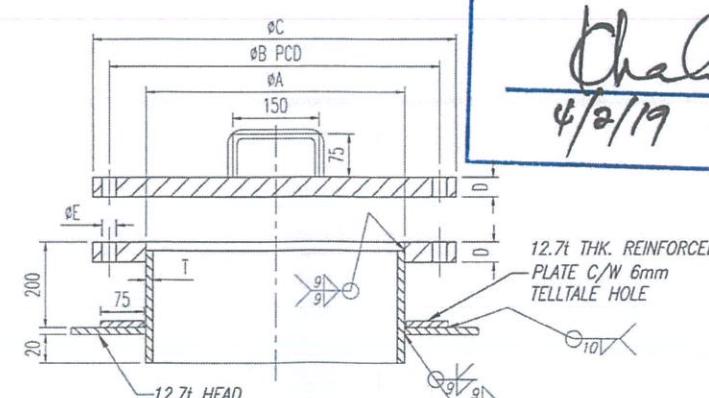


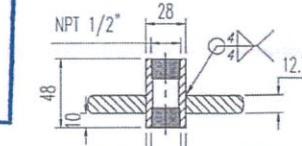
DETAIL OF WATER OUTLET FLANGE (N9)  
SCALE 1:4



DETAIL OF Ø600 MANHOLE FLANGE (M)  
SCALE 1:2



DETAIL OF Ø15 SOCKET N1 N1a



B16.5 ANSI CLASS 150						
MATERIAL	NOMINAL SIZE	OUTSIDE DIAMETER, C	BOLTS CIRCLE DIAMETER, B	THICKNESS OF FLANGE, D	HOLE DIA, E	BOLT SIZE
R.B SCH.80 PIPE	#25	110	79.4	12.7	15.8	M12
R.B SCH.80 PIPE	#50	150	120.7	17.5	19.0	M16
R.B SCH.40 PIPE	#100	230	180.5	22.3	19.0	M16
R.70 PLAN PLATE	#500	815	749.3	48.0	35.0	M32

DIMENSION OF NOZZLE				
SIZE	#A	THICKNESS (T)	H	MATERIAL
#25	33.4	4.55 MM	10 MM	SA.106 GR.B SCH.40 PIPE
#50	60.3	5.54 MM	10 MM	SA.106 GR.B SCH.40 PIPE
#100	114.3	8.02 MM	15 MM	SA.106 GR.B SCH.40 PIPE
#200	190.5	12.70 MM	20 MM	SA.516 GR.70 PLATE

B16.5 ANSI CLASS 150

DATE		BY	NOTES					
			AMENDMENTS					
NOZZLE								
E	NOZZLE SIZE	NOZZLE SCH.	NOZZLE QTY.	FLANGE'S RATING	FLANGE'S TYPE	FUNCTION OF NOZZLE		
#600	PLATE	1		ANSI CLASS 150	SUP ON	MANHOLE		
#100	40	1		ANSI CLASS 150	SUP ON	WATER OUTLET		
#100	40	1		ANSI CLASS 150	SUP ON	WATER INLET		
#50	80	1		ANSI CLASS 150	SUP ON	WATER INLET		
#50	80	1		ANSI CLASS 150	SUP ON	VAPOR OUTLET		
#50	80	1		ANSI CLASS 150	SUP ON	VAPOR OUTLET		
#50	80	1		ANSI CLASS 150	SUP ON	VAPOR OUTLET		
#50	80	1		ANSI CLASS 150	SUP ON	WATER INLET		
#25	80	2		ANSI CLASS 150	SUP ON	WATER INLET		
#15	-	2		NPT 3000#	SOCKET	SPARE		
#15	-	3		NPT 3000#	SOCKET	SPARE		
MATERIAL								
L & DISHE END			A/SA 516 Gr.70					
CE, MANHOLE FLANGE AND COVER			A/SA 105					
			A/SA 106 Gr.B (Sch40) & (Sch80)					
RET			A/SA 105					
FORGED PLATE			A/SA 516 Gr.70					
			S275JR					
I & NUT		PRESSURE RETAINING		SA193 B7 / SA194 2H				
		EXTERNAL FITTINGS		JIS G3507				

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**SPECIFICATION**

S1 CONSTRUCTION		
WALL CODE	ASME SEC. VII DIV 1 2017	
WING PRESSURE	1,000 kPa <sub>g</sub>	<sup>a</sup>
FIN PRESSURE	1,000 kPa <sub>g</sub>	
STATIC TEST PRESSURE	1,300 kPa <sub>g</sub>	
WING TEMPERATURE	185° C	
FIN TEMPERATURE	200° C	
WING T	0° C	
WING IN SERVICE	CONDENSATE	
EE OF N.D.T. (PIR/PIRE, BIOPHOTOGRAPH)	SHELL	DISHED END
	Nil	Nil
EFFICIENCY	SHELL 0.7 (TABLE UW-12)	
	SEAMLESS HEAD 0.85 (UW-12(d))	
CORROSION ALLOWANCE	FOR HEAD & SHELL	1 mm
	FOR NOZZLE	1 mm
CITY	7.84 m <sup>2</sup>	