



BILL OF MATERIALS				
NO.	DESIGNATION	QTY	MATERIAL	NOTES
1	BODY	1	ASTM A216 WCB	
2	BONNET	1	ASTM A216 WCB	
3	BONNET BOLT		ASTM A193 B7	
4	BONNET NUT		ASTM A194 2H	
5	GLAND EYE BOLT	2	ASTM A193 B7	
6	GLAND NUT	2	ASTM A194 2H	
7	WASHER	2	CARBON STEEL	
8	PIN	2	CARBON STEEL	
9	HANDWHEEL	1	DUCTILE IRON	
10	H.W.LOCK NUT	1	CARBON STEEL	
11	STEM NUT	1	DUCTILE IRON	
12	RETAINING NUT	1	CARBON STEEL	
13	LUBRICATING CUP	1	COPPER	
14	GLAND FLANGE	1	ASTM A216 WCB	
15	GLAND	1	ASTM A182 F6	
16	PACKING	7	BROLDED GRAPHITE	
17	BACK SEAT	1	ASTM A182 F6	
18	STEM	1	ASTM A182 F6a	
19	GASKET	1	304+GRAPHITE	
20	WEDGE	1	ASTM A216 WCB+13%Cr.	
21	SEAT	2	ASTM A105+STL	

ITEM NO.	N.B	DN	L	D	H(Open)
	2"	51	178	152	397
	3"	76	203	191	471
	4"	102	229	229	565
	6"	152	267	279	792
	8"	203	292	343	970
	10"	254	330	406	1198
	12"	305	356	483	1420
	14"	337	381	533	1562
	16"	387	406	597	1746
	18"	438	432	635	1861
	20"	489	457	699	2108
	24"	591	509	813	2464

DESIGN CODE	API 600/ANSI B16.34	TEST PRESSURES		
FACE TO FACE DIMENSIONS	ASME B16.10	BODY	30.0	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	22.0	Barg
TESTING CODE	API 598	BACKSEAT	22.0	Barg
		AIR - SEAT	6.0	Barg

REV	DATE	DESCRIPTION	BY	CHK	APP	SCALE:		
						DRAWN	DM	DATE
						CHECKED	SMN	DATE
						APPROVED	AW	DATE

DRAWING TITLE:
API CAST STEEL CLASS 150
BOLTED BONNET, RF, GATE VALVES

CLIENT: .

VENDOR PO REF: .

EVC REF: .

CAD. No. . DRAWING NUMBER: 120057 . REV .

AREA No. 1 . FACILITY . TYPE . SEQ. No. . SHT. No. .

MATERIALS TO NACE MR0175 LATEST EDITION (WETTED PARTS).