



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	216	165	397
	3"	76	283	210	514
	4"	102	305	254	607
	6"	152	403	318	821
	8"	203	419	381	1040
	10"	254	457	445	1249
	12"	305	502	521	1499
	14"	337	762	584	1559
	16"	387	838	648	1746
	18"	438	914	711	1978
	20"	489	991	775	2197
	24"	591	1143	914	2572

DESIGN CODE	API 600/ANSI B16.34	TEST PRESSURES		
FACE TO FACE DIMENSIONS	ASME B16.10	BODY	76.65	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	56.21	Barg
TESTING CODE	API 598	BACKSEAT	56.21	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 300
BOLTED BONNET, RF, GATE VALVES

CLIENT: .

VENDOR PO REF: .

EVC REF: .

CAD. No. DRAWING NUMBER: 120061 REV

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

MATERIALS TO NACE MR0175 LATEST EDITION (WETTED PARTS).