



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	292	165	398
	3"	76	356	210	549
	4"	102	432	273	654
	6"	152	559	356	922
	8"	200	660	419	1110
	10"	248	787	508	1246
	12"	298	838	559	1553
	14"	327	889	603	1842
	16"	375	991	686	2089
	18"	419	1092	743	2211
	20"	464	1194	813	2616
	24"	559	1397	940	2921

DESIGN CODE	API 600/ANSI B16.34	TEST PRESSURES		
FACE TO FACE DIMENSIONS	ASME B16.10	BODY	153.15	Barg
ENDS FLANGES DIMENSIONS	ASME B16.5	SEAT	112.31	Barg
TESTING CODE	API 598	BACKSEAT	112.31	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 600
BOLTED BONNET, RF, GATE VALVES

CLIENT: .

VENDOR PO REF: .

EVC REF: .

CAD. No. DRAWING NUMBER: 120064

AREA No. 1	FACILITY	TYPE	SEQ. No.	SHT. No.	REV
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MATERIALS TO NACE MR0175 LATEST EDITION (WETTED PARTS).