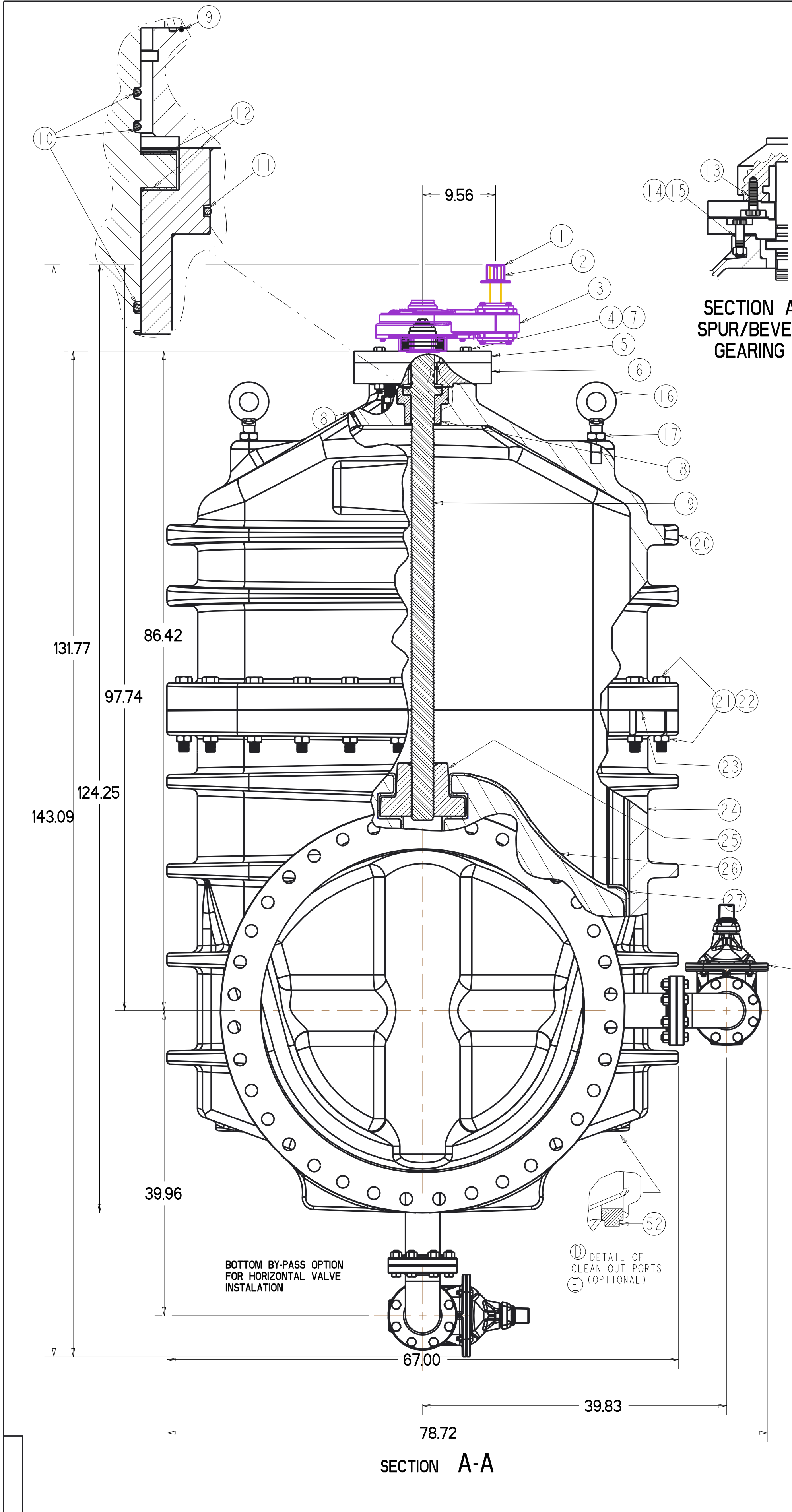
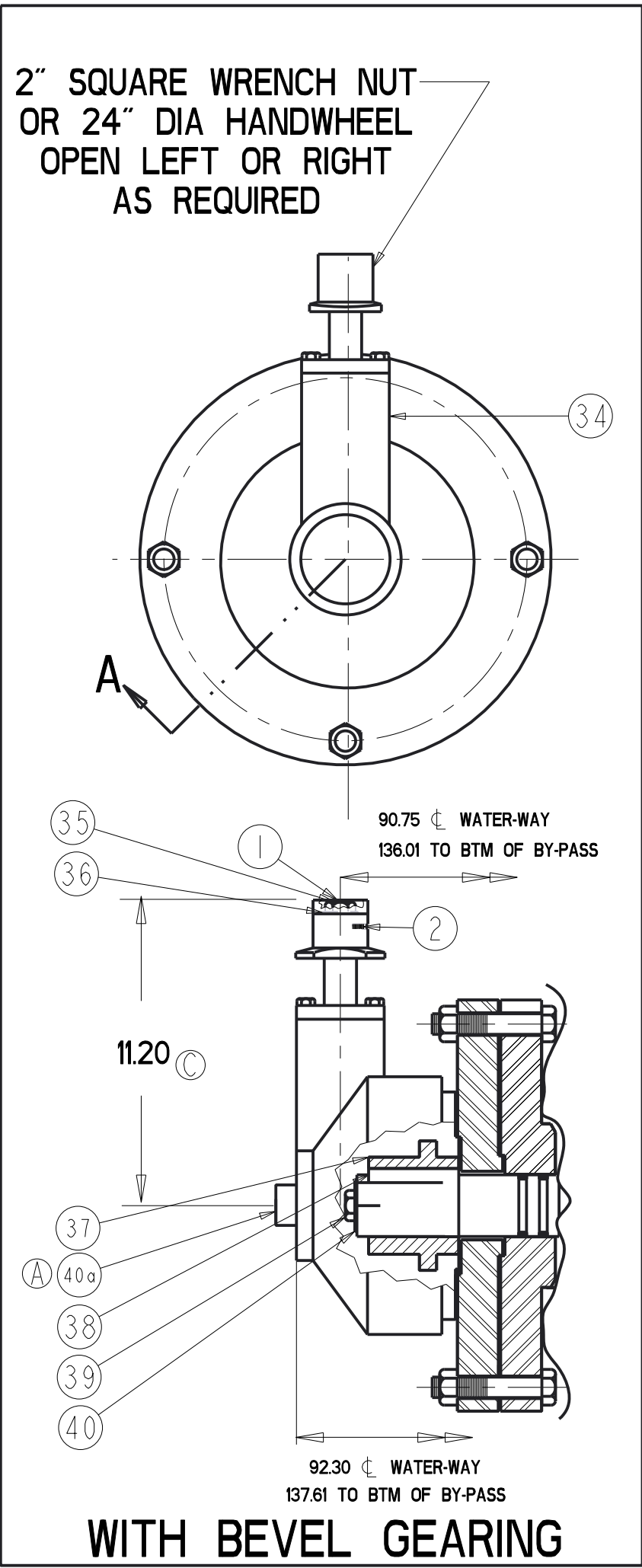


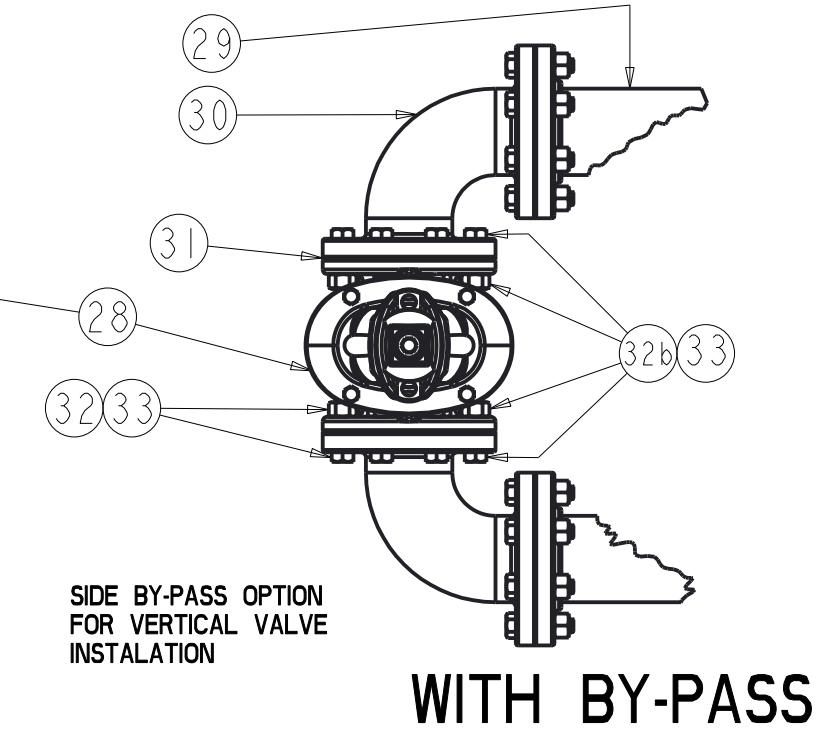


SECTION A
SPUR/BEVEL
GEARING

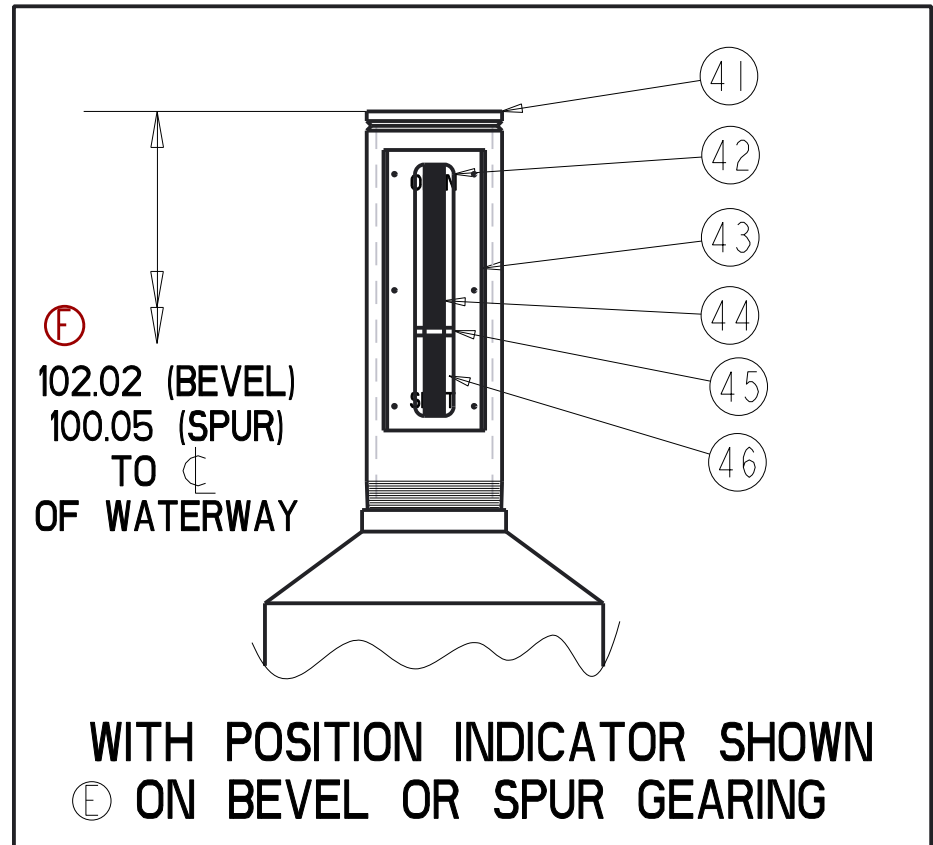


2" SQUARE WRENCH NUT
OR 24" DIA HANDWHEEL
OPEN LEFT OR RIGHT
AS REQUIRED

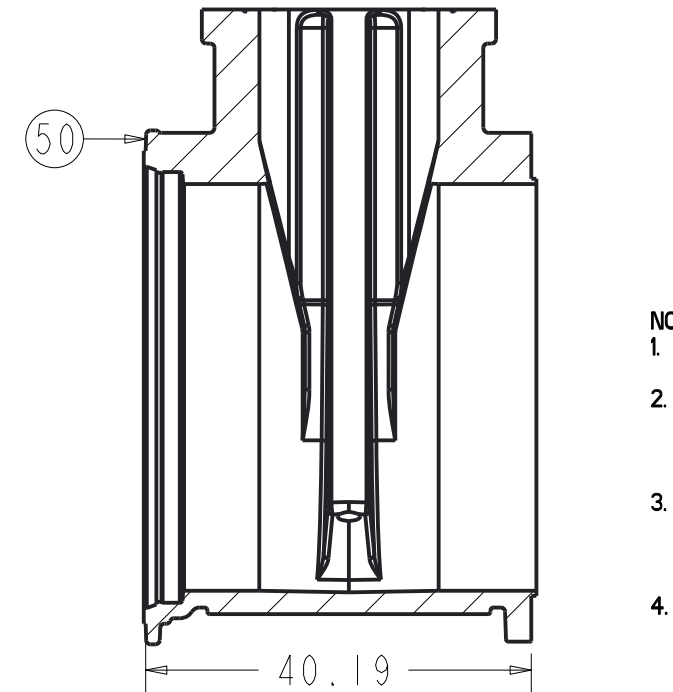
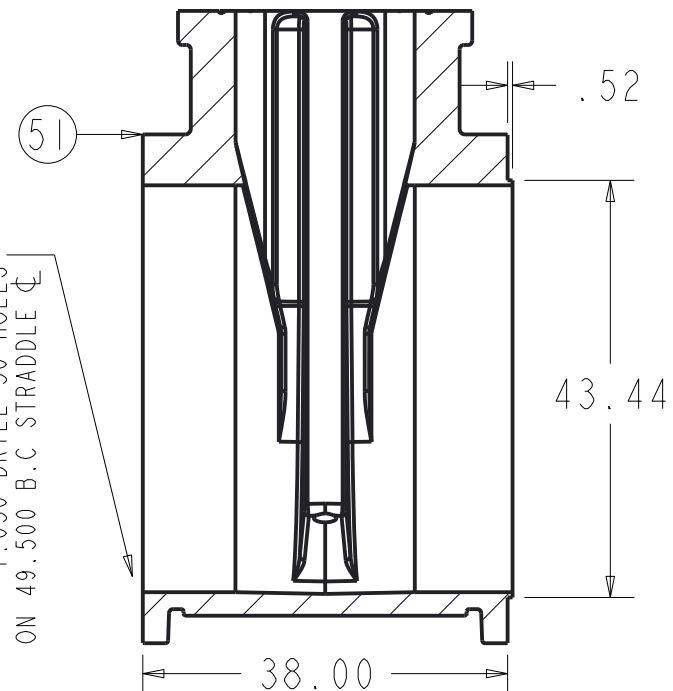
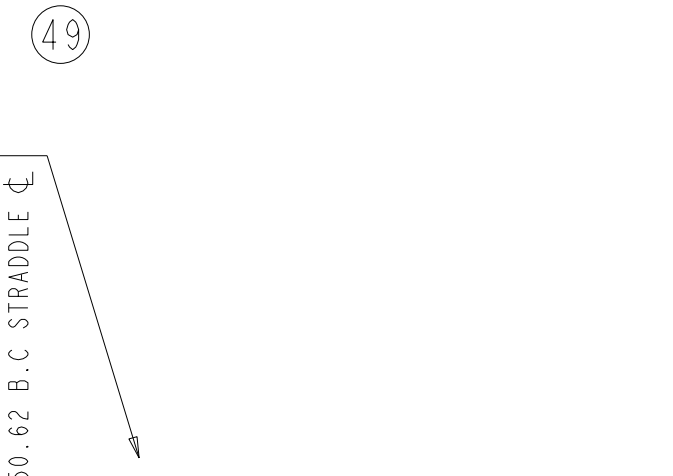
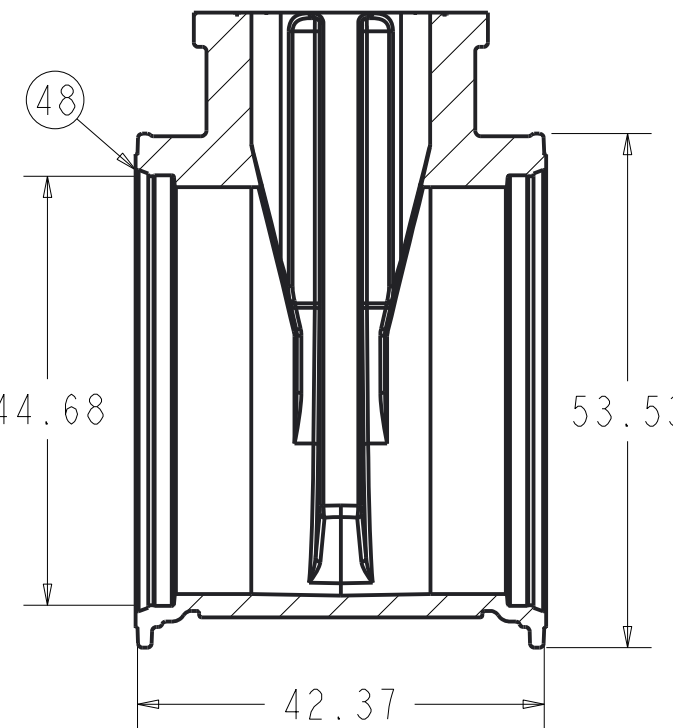
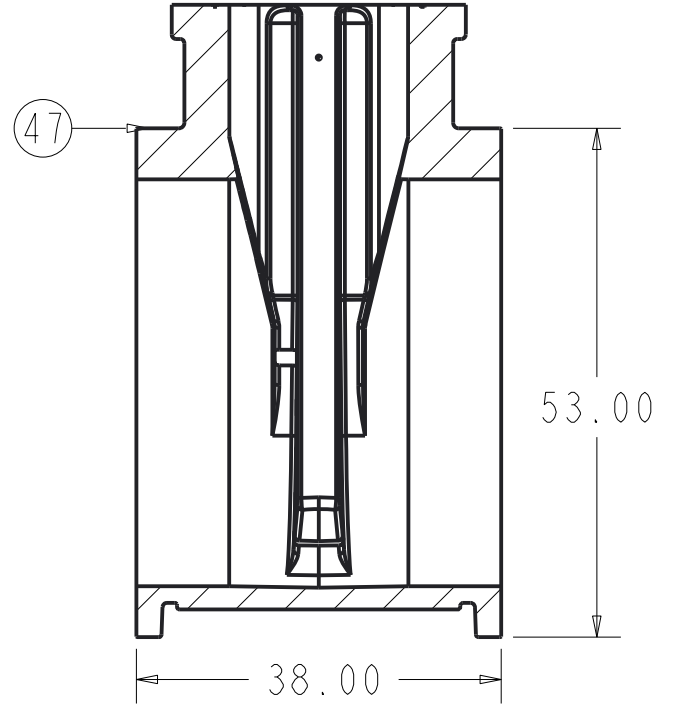
WITH BEVEL GEARING



WITH BY-PASS



WITH POSITION INDICATOR SHOWN
ON BEVEL OR SPUR GEARING



PART LIST 42" RWGV ASSEMBLY WITH SPUR GEAR OPERATOR SHOWN 13300+ lbs (approx.)					
ITEM	DESCRIPTION	PART NO.	REQ'D	MATERIAL	ASTM
1	WRENCH NUT (SEE NOTE 6) ①	532827	1	CAST IRON	A126
2	SET SCREW	536481	1		
3	SPUR GEAR (SEE NOTE 5) ①		1		
4	HEX BOLT 3/4" x 5 1/2"	536128	4	STEEL	SEE NOTE 3
5	ADAPTER	533863	1	HOT ROLLED STEEL	A36
6	STUFFING BOX w/SPUR GEAR	533862	1	HOT ROLLED STEEL	A36
7	HEX NUT 3/4"	193814	4	STEEL	SEE NOTE 3
8	SO. HEAD PIPE PLUG 1/4-18NPT	199177	1	316 S. STEEL	
9	O-RING 5 1/8"x5 3/8"x 1/8" #251	195186	1	RUBBER	D2000 EPDM ⑤
10	O-RING 2 3/4"x3 1/8"x 3/16" #335	533848	3	RUBBER	D2000 EPDM ⑤
11	O-RING 6 1/4"x6 5/8"x 3/16" #362	195926	1	RUBBER	D2000 EPDM ⑤
12	ANTI-FRICTION (THRUST) WASHER	533866	2	BRASS	HARD CDA260
13	SOCKET HEAD BOLT 3/4"x2 1/2"-BEVEL GEAR	533872	4	STEEL	SEE NOTE 3
14	SOCKET HEAD BOLT 3/4"x1 1/2"-SPUR GEAR	536759	4	STEEL	SEE NOTE 3
15	HEAVY HEX NUT 1"	193640	4	STEEL	SEE NOTE 3
16	EYEBOLT 1 1/2"	536108	2	STEEL	GALVANIZED
17	HEX NUT 1 1/2"	536135	2	STEEL	SEE NOTE 3
18	BONNET BUSHING	533860	1	BRONZE	B62
19	STEM	533864	1	BRONZE	SEE NOTE 1
20	BONNET	533853	1	DUCTILE IRON	A536 GRADE 65-45-12
21	HEX BOLT 1 1/4" x 9"	533894	24	STEEL	SEE NOTE 3
22	HEX NUT 1 1/4"	536134	24	STEEL	SEE NOTE 3
23	BONNET O-RING	533874	1	RUBBER	D2000 EPDM ⑤
24	BODY	SEE BODIES	1	DUCTILE IRON	A536 GRADE 65-45-12
25	DISC NUT	533858	1	BRONZE	B62
26	ENCAPSULATED DISC	⑤ 533855	1	SEE NOTE 2	
27	GUIDE CAP	533867	2	CELCON	M90

4" RWGV BY-PASS PART LIST 210+lbs (approx.)					
28	BY-PASS VALVE ASSEMBLY	⑤ 040AUSP006LN	1		SEE NOTE 4
29	PIPE NIPPLE w/FLANGE	533868	2	STEEL	
30	90° ELBOW - LONG	533869	2	STEEL	
31	FLANGE GASKET	533870	4	RUBBER	
32	HEX BOLT		28	STEEL	SEE NOTE 3
32b	3/4"Ø THREADED STUD		4		
33	HEX NUT		36	STEEL	SEE NOTE 3

BEVEL GEARING PART LIST					
34	BEVEL GEAR (SEE NOTE 5) ①		1		LIMITORQUE
35	HEX CAP SCREW METRIC 10mm x 1.5 x 30mm	199738	1	STEEL	
36	WASHER	198749	1	BRASS	
37	STEM NUT	536461	1	BRASS	
38	KEY .5"x3"(USED WITH SPUR/BEVEL GEARING)	155233	1	STEEL	
39	CAP SCREW 3/4" x 1 1/8" (SPUR/BEVEL)	535464	1	STEEL	SEE NOTE 3
40	HOLD DOWN WASHER (USE w/SPUR/BEVEL)	533895	1	STEEL	SEE NOTE 3
④ 40a	PIPE PLUG 3"	⑤	1	SUPPLIED WITH GEAR ①	

POSITION INDICATOR PART LIST					
41	HOUSING SUB ASSEMBLY		1	STEEL	
42	DECAL FOR POSITION INDICATOR		1		
43	WINDOW GASKET		1		
44	INDICATING STEM 42" RWGV OL		1	BRONZE	
45	POINTER POSITION INDICATOR OL		1	BRONZE	
46	WINDOW		1	PLEXIGLAS/LEXAN	

BODY END CONFIGURATIONS					
47	FLANGE x FLANGE BODY	533850	1	DUCTILE IRON	A536 GRADE 65-45-12
48	MECH. JOINT x MECH. JOINT BODY	533851	1	DUCTILE IRON	A536 GRADE 65-45-12
49	FLANGE x MECH. JOINT	533852	1	DUCTILE IRON	A536 GRADE 65-45-12
50	MECH. JOINT x FLANGE TAPPING BODY	533896	1	DUCTILE IRON	A536 GRADE 65-45-12
51	FLANGE x FLANGE TAPPING BODY	533897	1	DUCTILE IRON	A536 GRADE 65-45-12
① 52	PIPE PLUG		2	SUPPLIED WHEN TAPPED	

- NOTES:
- BRONZE ASTM B584 ALLOY C86200
 - RUBBER ENCAPSULATED DUCTILE IRON DISC RUBBER - EPDM ASTM D2000 DUCTILE IRON ASTM A536 GRADE 65-45-12
 - BOLTS - SAE J429 GRADE 2 FASTENERS - PLATED TO ASTM F1941 CLASS Fe/Zn 12C NUTS - ASTM A563 GRADE B
 - BY-PASS VALVE 4" RWGV - FLANG ENDS BY-PASS VALVES ARE EQUIPPED WITH 2" SQ. WRENCH NUTS OR 6" Ø HANDWHEEL OPEN LEFT OR RIGHT AS REQUIRED
 - VALVE WILL BE FURNISHED WITH ONE OF THE LISTED OPERATORS AT THE MANUFACTURER'S DISCRETION. BEVEL: LIMITORQUE B320-40, RATIO 4:1, TURNS TO OPEN 524 BEVEL: ROTORK I87, RATIO 4:1, TURNS TO OPEN 524 SPUR: ROTORK I57, RATIO 4:1, TURNS TO OPEN 524
 - MANUFACTURER'S OPTION TO UPGRADE MATERIAL TO DUCTILE IRON A536 GRADE 65-45-12

DR BY	CAP	11/17/05	UNLESS OTHERWISE NOTED	THIRD ANGLE PROJECTION	C.B. NO.
CHD	PSG	11/17/05	BREAK CAST CORNERS		
END	RWV	11/17/05	BREAK WASH CORNERS		
MR			TOLERANCES	PURCH. NO.	FINISH
MFG			UNLESS OTHERWISE NOTED	REF. NO.	SCALE
TOOL			LINEAR		NONE
FDY			ANGULAR		
				STR. NO.	
NOTED					
US PIPE VALVE DIVISION					
DESCR. 42" RWGV 250-PSI AWWA C515					
NUMBER U536559					