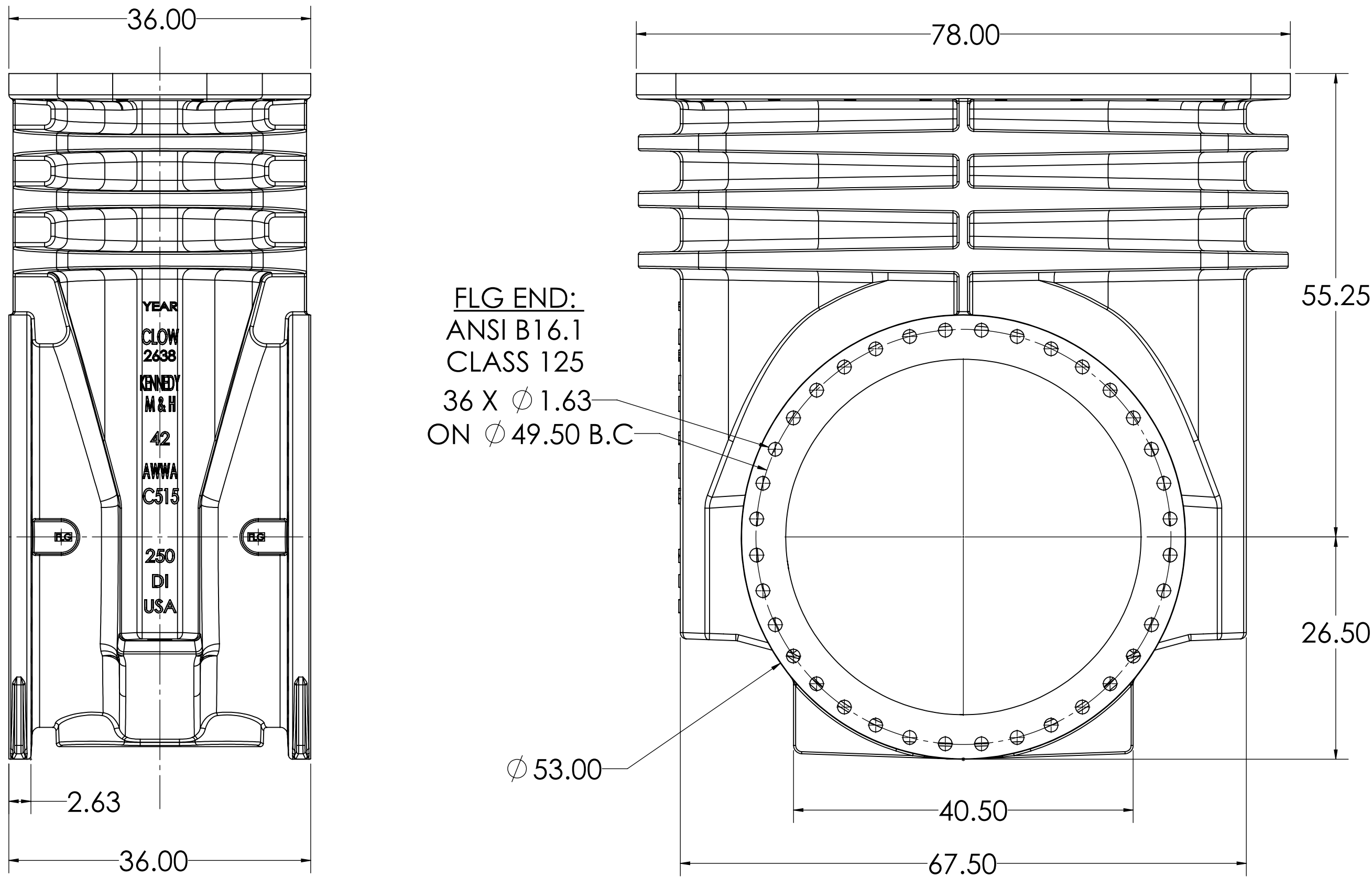
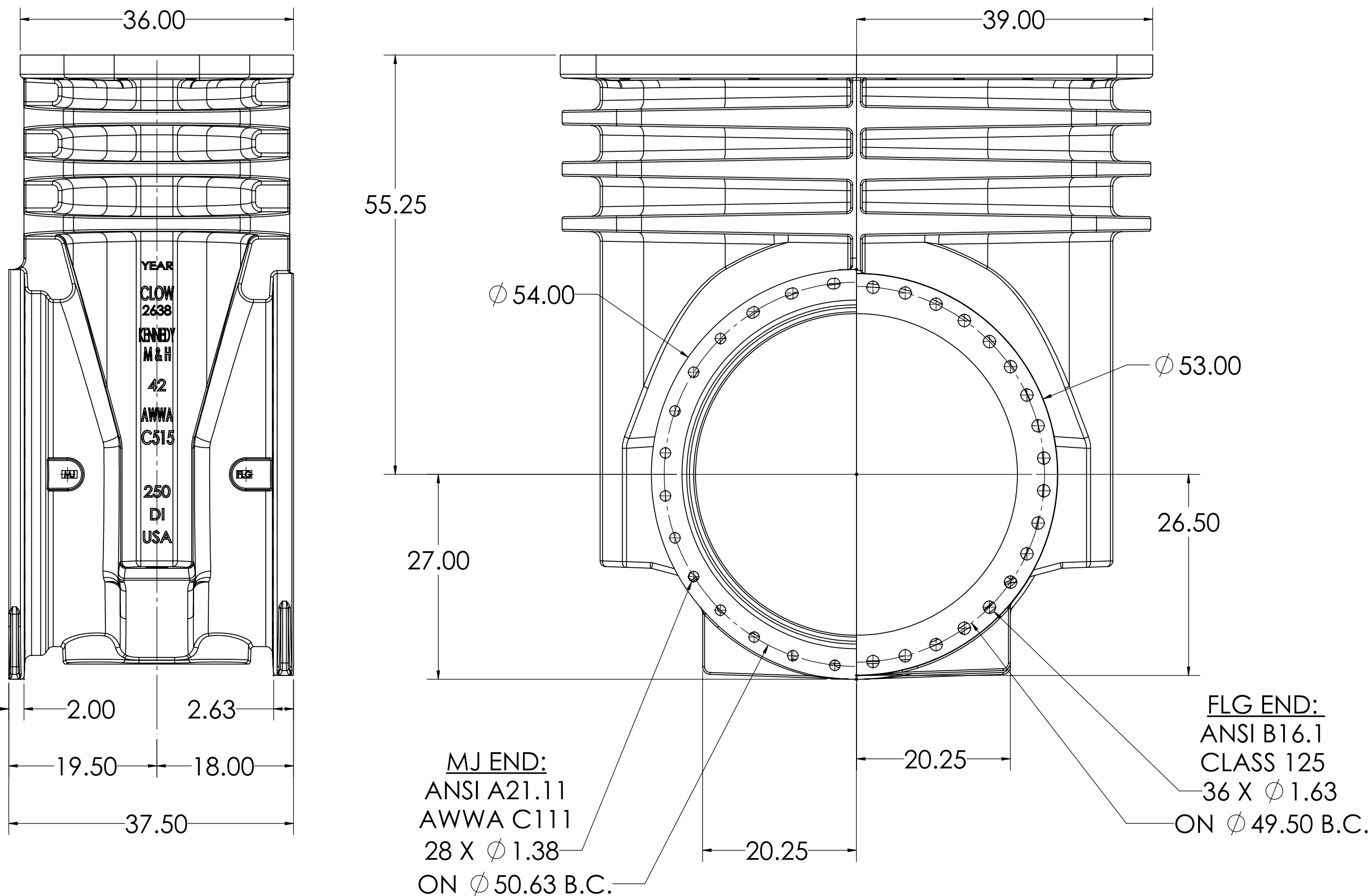


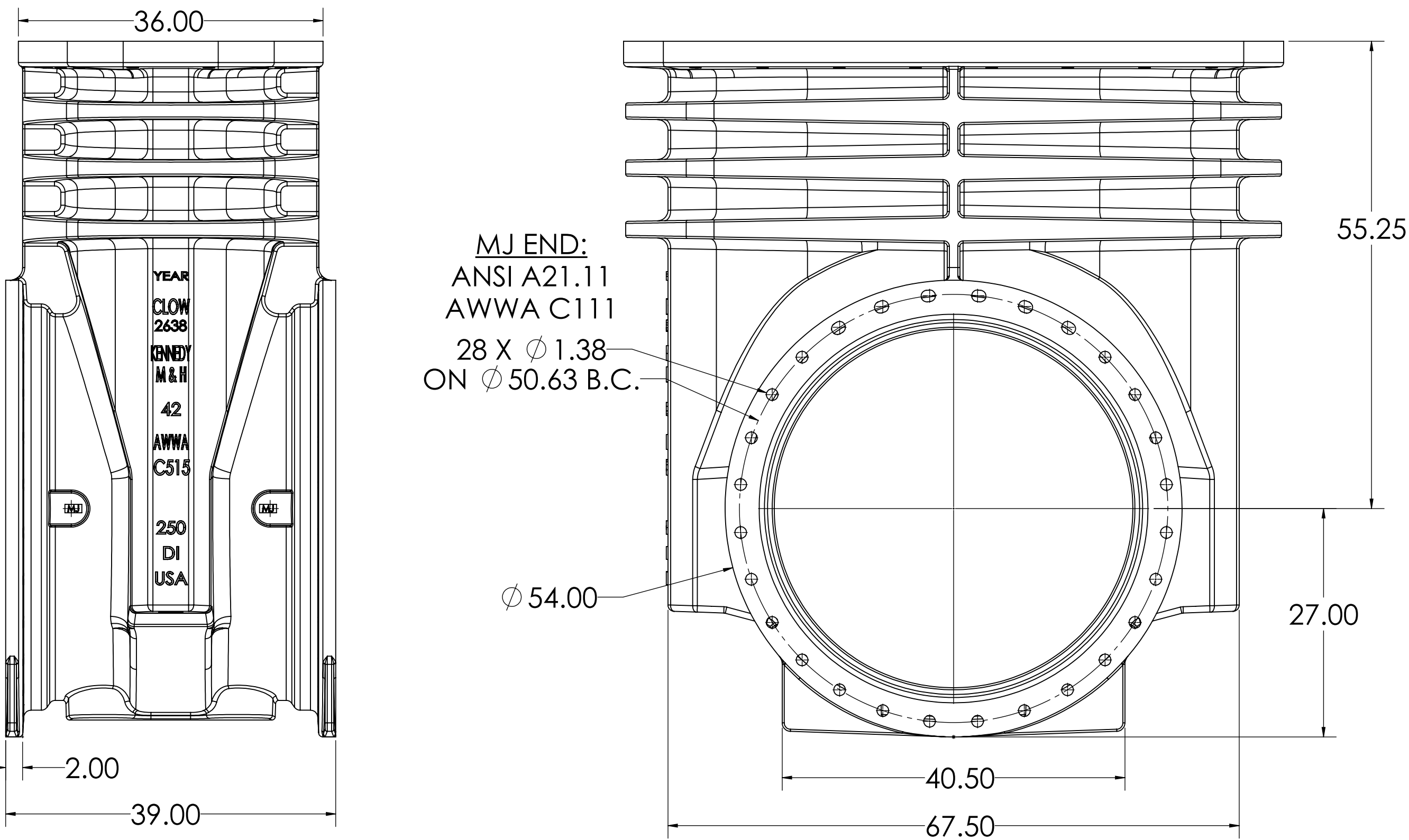
42" C515 FLG X FLG



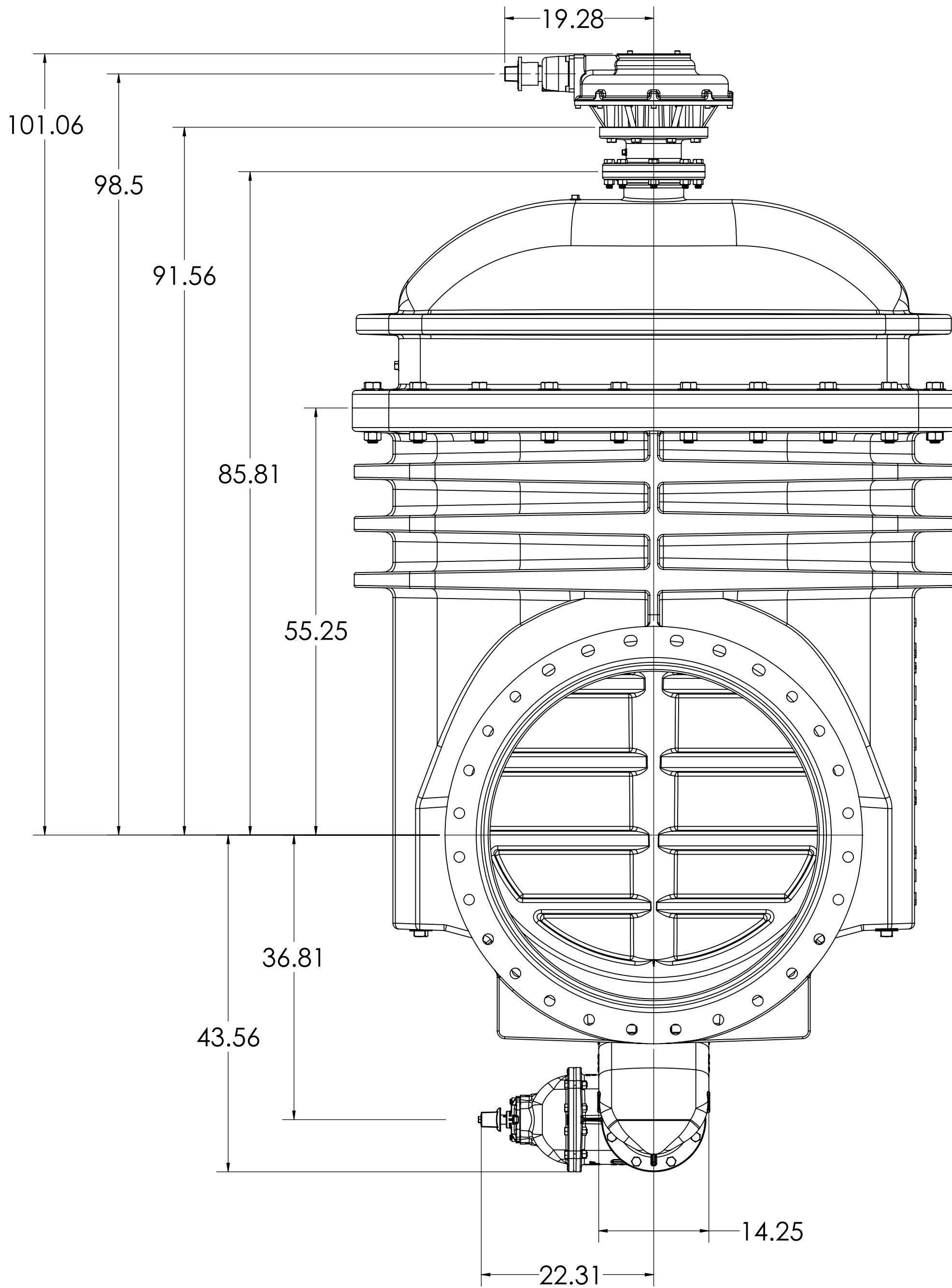
42" C515 FLG X MJ



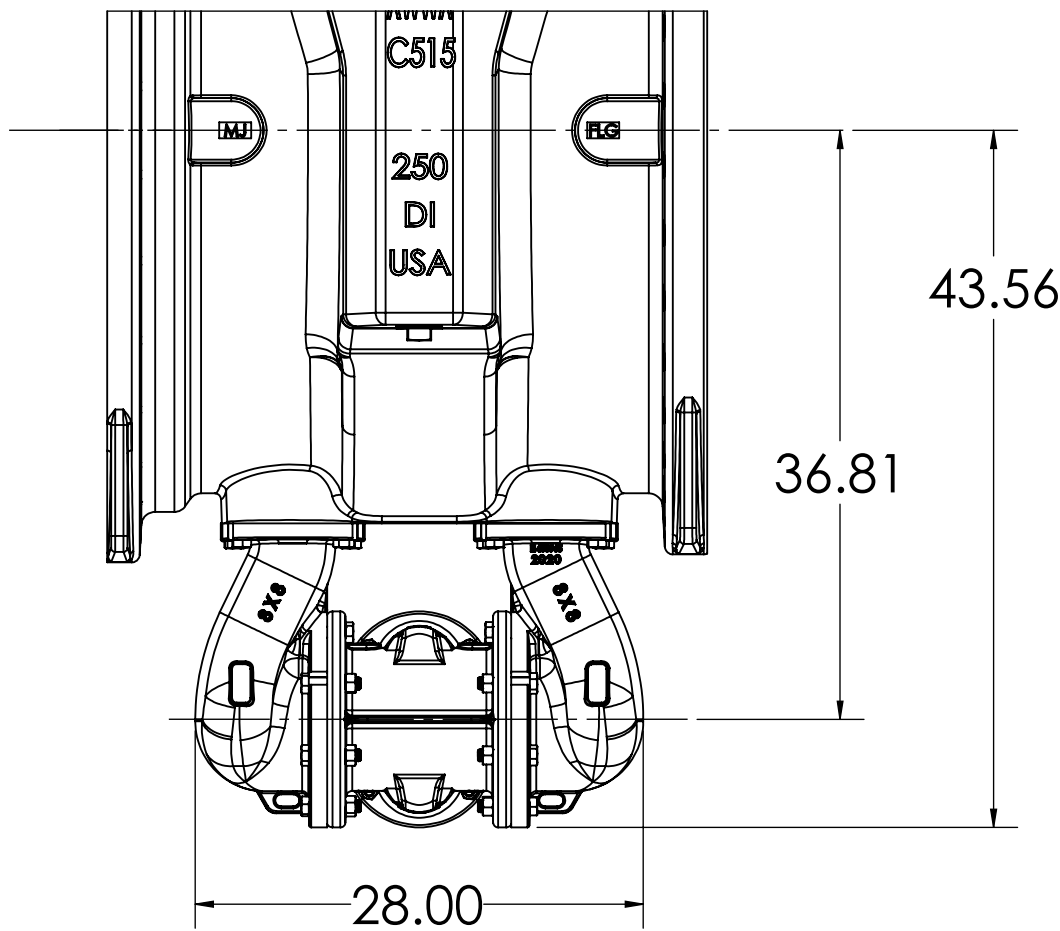
42" C515 MJ X MJ



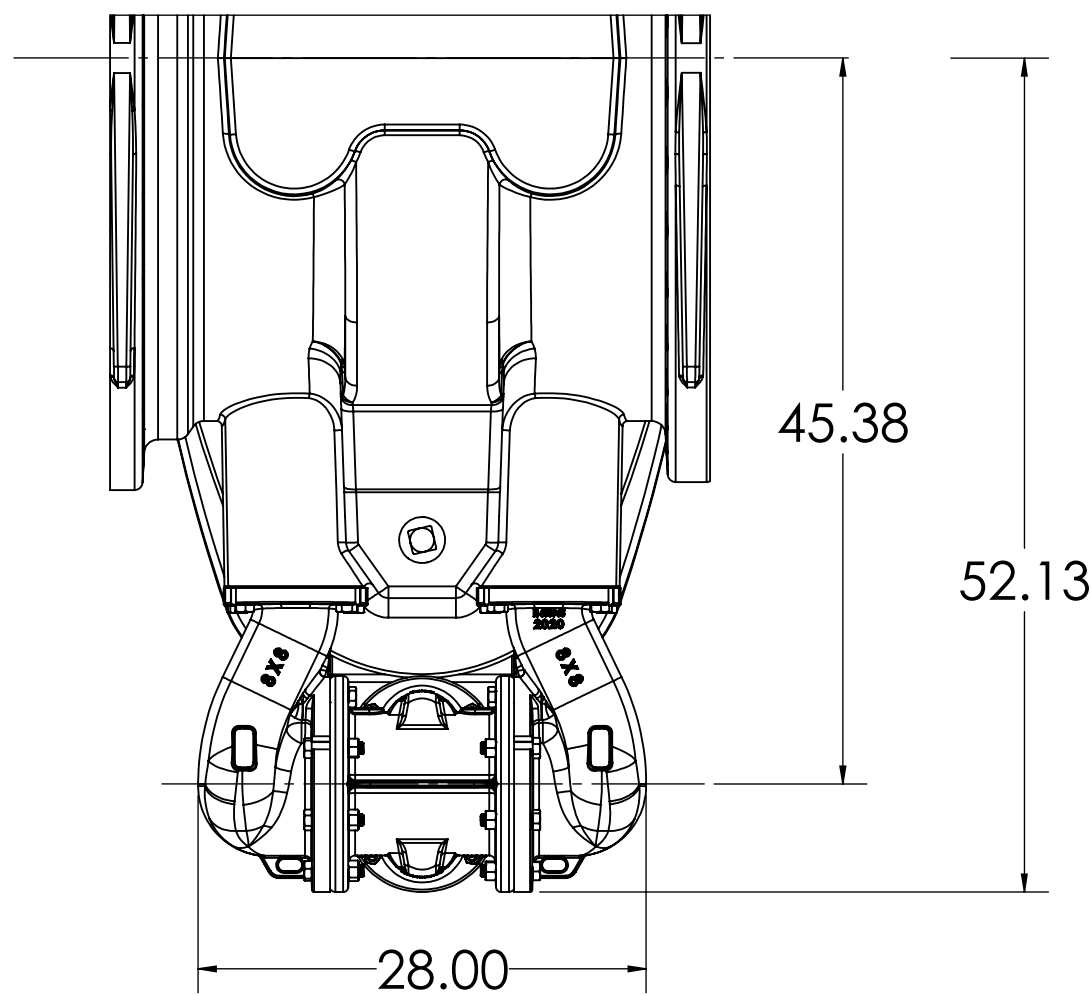
BEVEL GEAR WITH OPTIONAL BOTTOM BYPASS



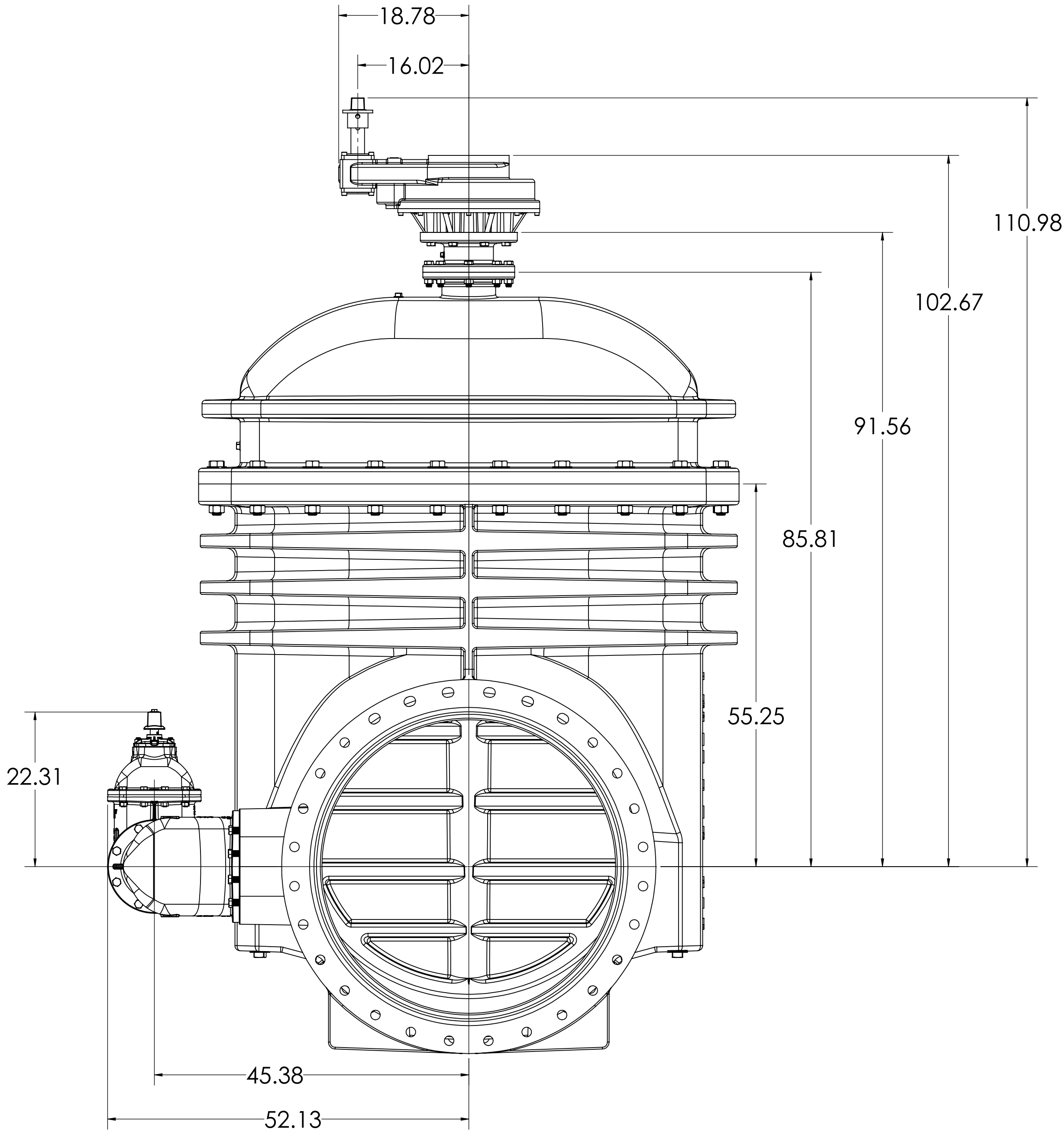
BOTTOM BYPASS



SIDE BYPASS



SPUR GEAR WITH OPTIONAL SIDE BYPASS

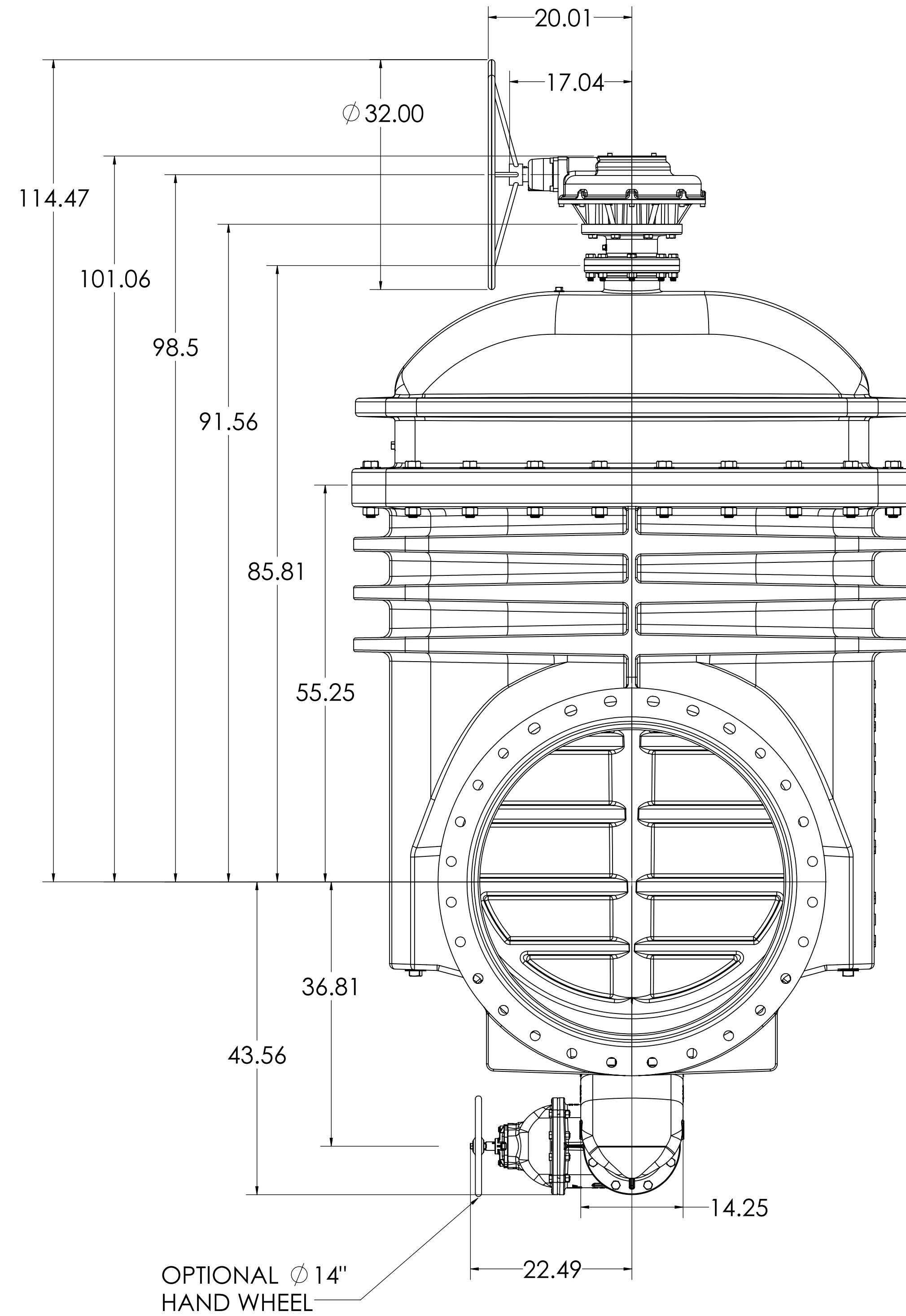


NOTE: GEARS CAN BE ROTATED IN 45° INCREMENTS FOR SPECIAL APPLICATIONS

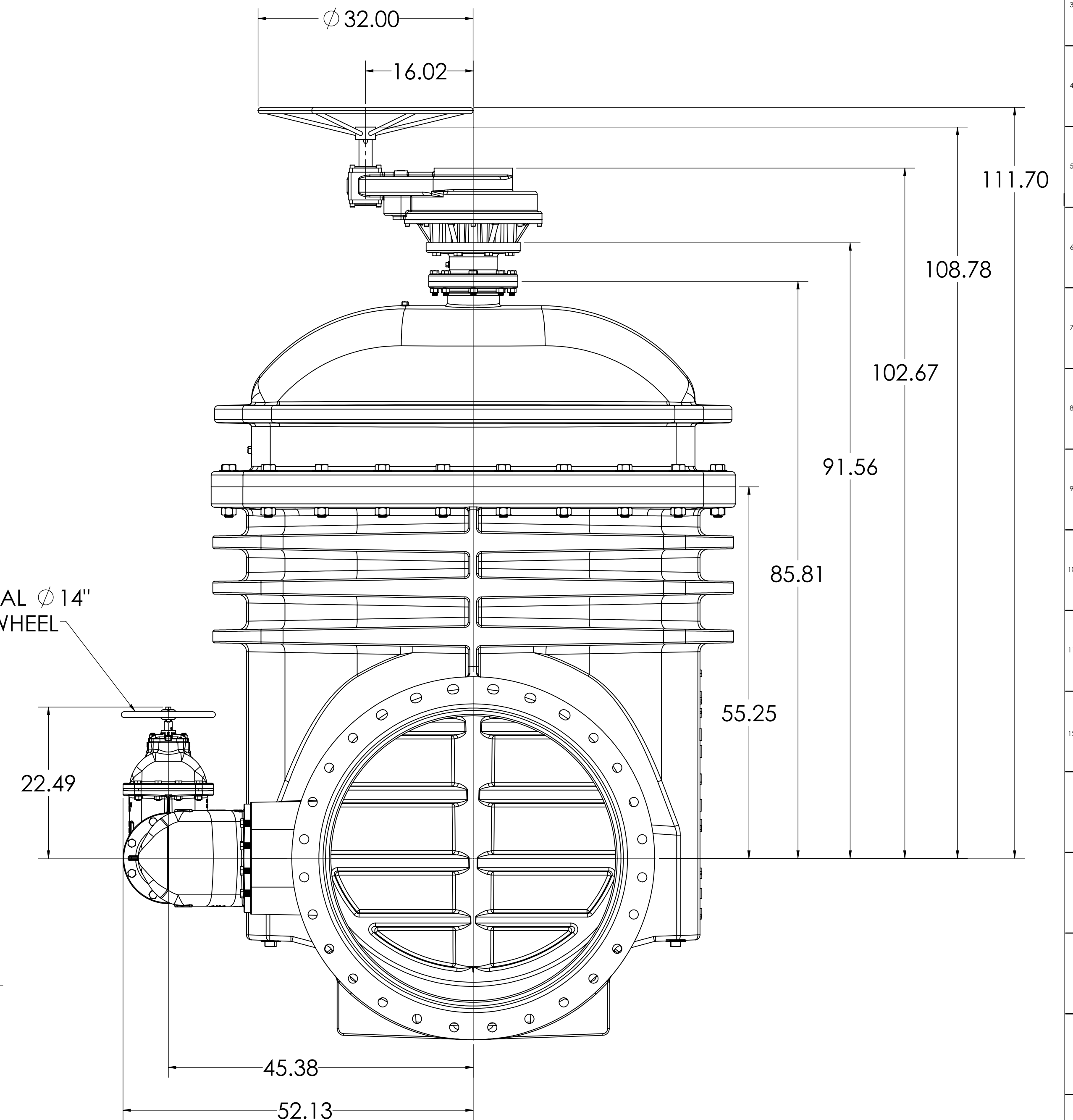
|                                                                                                                                      |         |                 |         |                                                                                                                                                                                                            |         |                 |         |                                         |      |
|--------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|---------|-----------------------------------------|------|
| THIRD ANGLE PROJECTION.<br>STANDARDS: ANSI/ASME Y14.100, Y14.101, AND Y14.141.<br>TOLERANCES: AS FOLLOWS UNLESS OTHERWISE SPECIFIED. |         |                 |         | PROPERTY OF MCWANE CORPORATION.<br>ALL DIMENSIONS AND TOLERANCES ARE PROPRIETARY TO MCWANE CORPORATION AND ITS SUBSIDIARIES.<br>TOLERANCES: AS FOLLOWS UNLESS OTHERWISE SPECIFIED.<br>ALL RIGHTS RESERVED. |         |                 |         | REVISION                                | DATE |
| CASTING TOLERANCES                                                                                                                   |         |                 |         | MACHINED DIMENSIONS                                                                                                                                                                                        |         |                 |         | MATERIAL                                |      |
| 0-4":                                                                                                                                | ± 1/32" | DECIMALS:       | ± 0.005 | 0-4":                                                                                                                                                                                                      | ± 0.005 | DECIMALS:       | ± 0.005 | ESTIMATED WEIGHT                        |      |
| 4-8":                                                                                                                                | ± 3/64" | FRACTIONS:      | ± 1/64" | 4-8":                                                                                                                                                                                                      | ± 3/64" | FRACTIONS:      | ± 1/64" | LBS.                                    |      |
| 8-12":                                                                                                                               | ± 1/16" | ANGLE:          | ± 1°    | 8-12":                                                                                                                                                                                                     | ± 1/16" | ANGLE:          | ± 1°    | NEW BY: DATE DRAWN: CHK. BY: CHG. DATE: |      |
| 12-18":                                                                                                                              | ± 3/32" | SURFACE FINISH: | 125 µin | 12-18":                                                                                                                                                                                                    | ± 3/32" | SURFACE FINISH: | 125 µin | DESCRIPTION                             |      |
| 18-24":                                                                                                                              | ± 1/8"  | RADIUS:         | 1/8"    | 18-24":                                                                                                                                                                                                    | ± 1/8"  | RADIUS:         | 1/8"    | 42" C515 NRS RESILIENT WEDGE GATE VALVE |      |
| MIN RADII:                                                                                                                           | 1/8"    |                 |         | MIN RADII:                                                                                                                                                                                                 | 1/8"    |                 |         | SCALE                                   |      |
| MIN CHAMF:                                                                                                                           | 2"      |                 |         | MIN CHAMF:                                                                                                                                                                                                 | 2"      |                 |         | 1:12                                    |      |
|                                                                                                                                      |         |                 |         |                                                                                                                                                                                                            |         |                 |         | SOFTWARE USED                           |      |
|                                                                                                                                      |         |                 |         |                                                                                                                                                                                                            |         |                 |         | Solidworks 2018 SP2                     |      |

|               |   |   |   |
|---------------|---|---|---|
| CLW VALVE CO. | 2 | 6 | D |
| SHEET OF      |   |   |   |

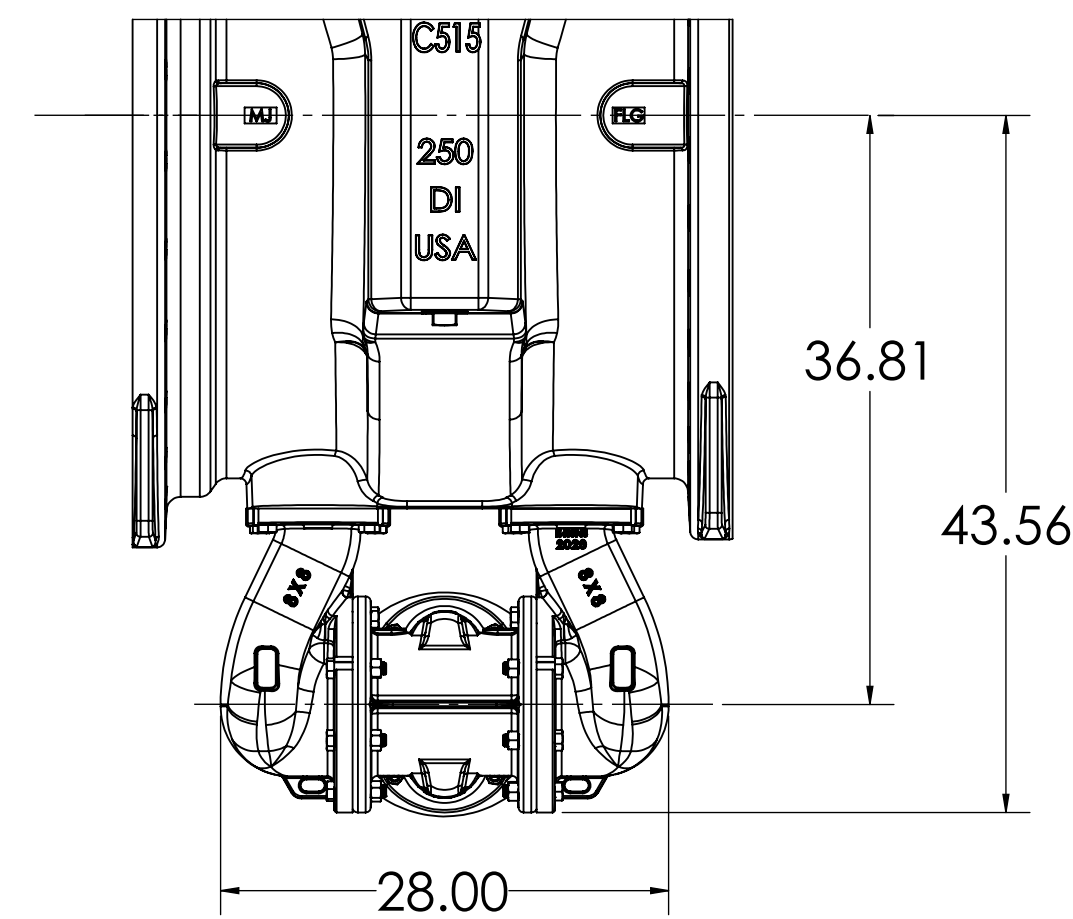
## **BEVEL GEAR WITH OPTIONAL BOTTOM BYPASS**



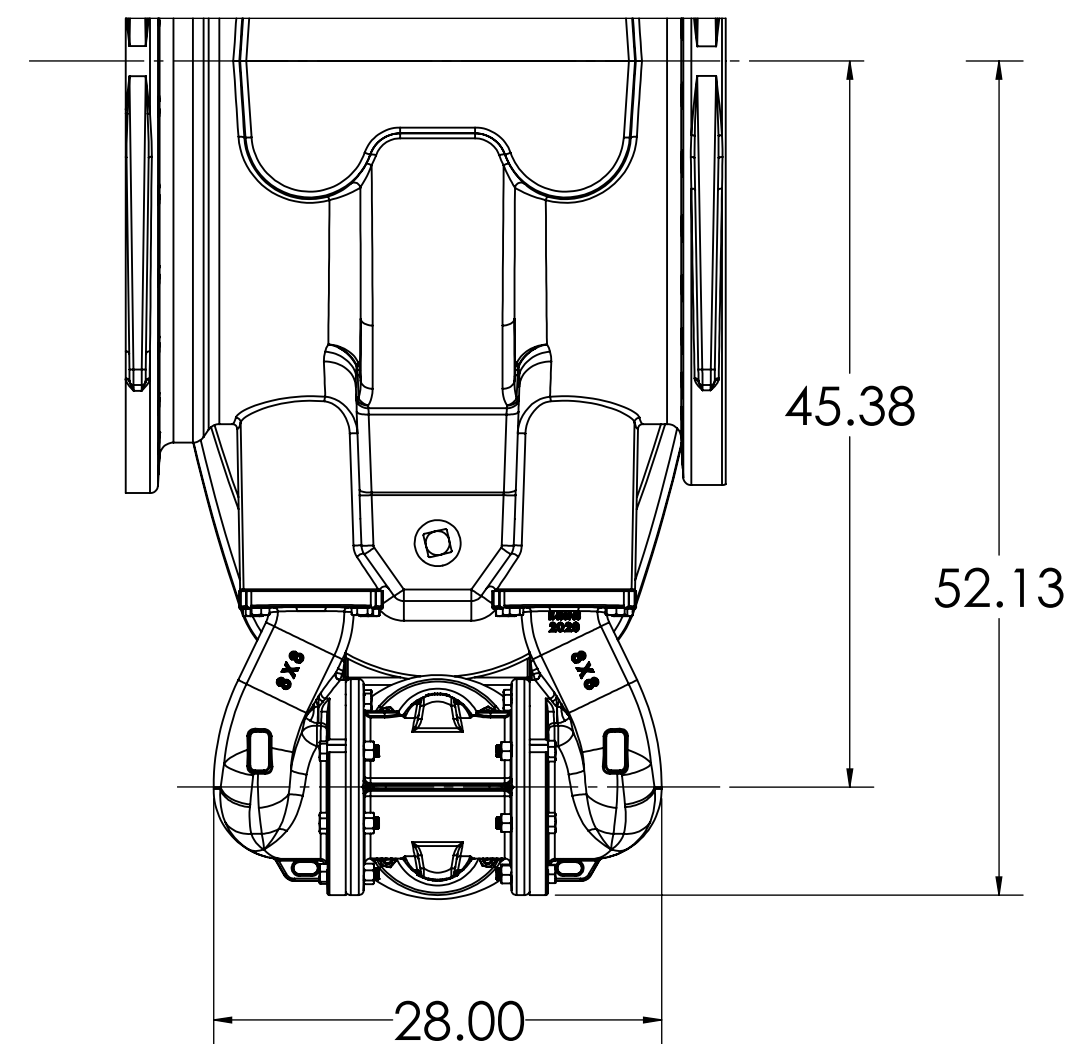
### SPUR GEAR WITH OPTIONAL SIDE BYPASS



## BOTTOM BYPASS

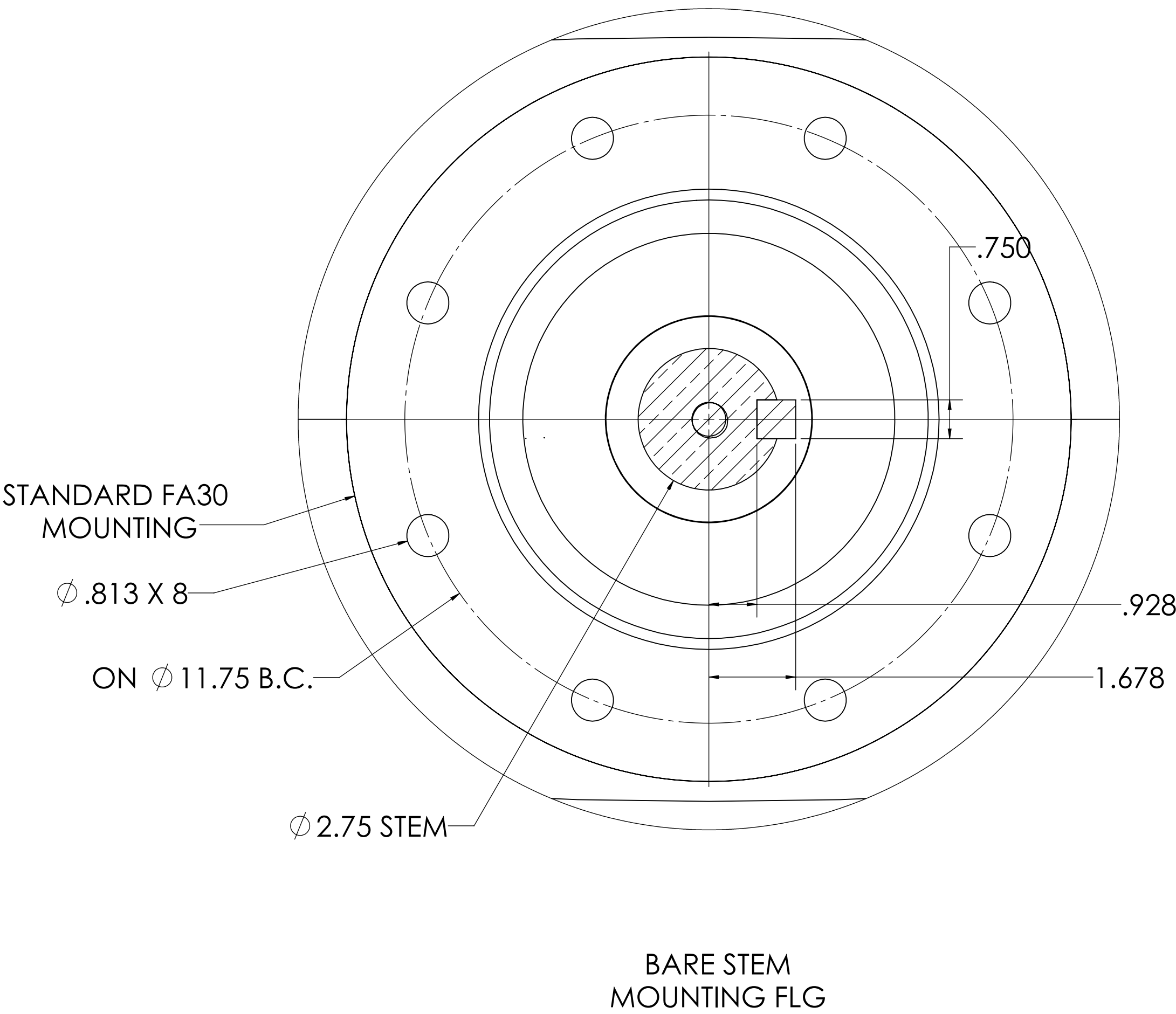


## SIDE BYPASS

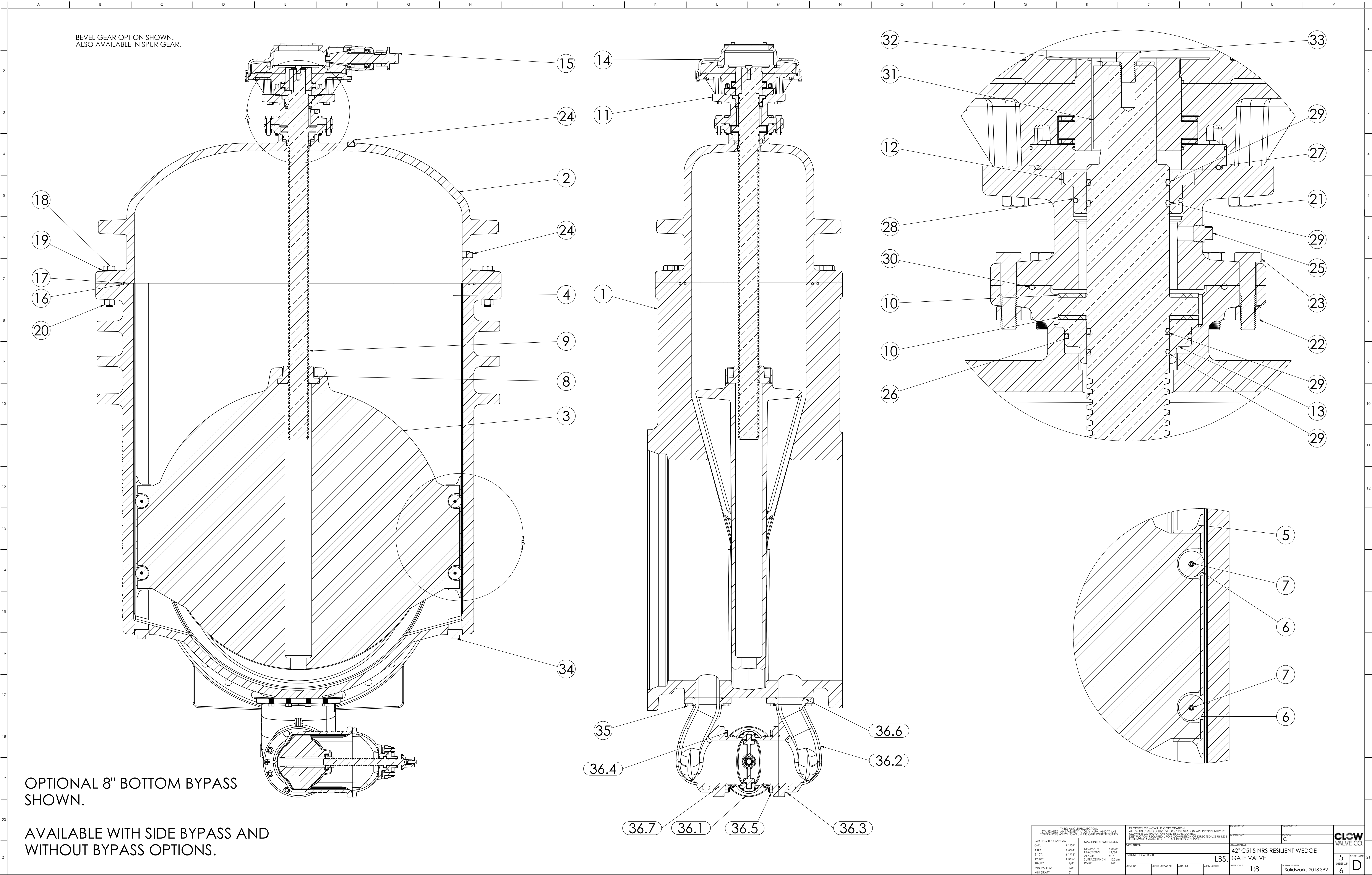


NOTE: GEARS CAN BE ROTATED IN 45° INCREMENTS  
FOR SPECIAL APPLICATIONS

[illegible]



|                                                                                                                          |  |                                                                                                                      |  |                                                                                                                                                                                                                       |  |                                                           |  |                                      |  |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------|--|--------------------------------------|--|---------------------------------------------------------------------------------------|
| 180° ANGLE PROTECTION<br>STANDARDS: ANSI A11.1 AND A11.4<br>TOLERANCES AS FOLLOWS UNLESS OTHERWISE SPECIFIED             |  |                                                                                                                      |  | PROPERTY OF MCWANE CORPORATION.<br>ALL RIGHTS RESERVED. ALL INFORMATION IS PROPRIETARY TO<br>MCWANE CORPORATION AND ITS SUBSIDIARIES.<br>RESTRICTIONS REGARDING REPRODUCTION OR USE ARE UNLESS<br>OTHERWISE ARRANGED. |  |                                                           |  | DRAWING FILE<br>C                    |  |  |
| CASTING TOLERANCES<br>0-4": ±.032"<br>4-8": ±.034"<br>8-12": ±.116"<br>12-18": ±.032"<br>18-24": ±.034"<br>MIN DRAFT: 2° |  | MACHINED DIMENSIONS<br>DECIMALS: ±.005<br>FRACTIONS: ±.164<br>ANGLE: ±.1°<br>SURFACE FINISH: 125 µin<br>RADIUS: 1/8" |  | MATERIAL<br>42" C515 NRS RESILIENT WEDGE<br>GATE VALVE                                                                                                                                                                |  | DESCRIPTION<br>42" C515 NRS RESILIENT WEDGE<br>GATE VALVE |  | SHEET 21<br>6 OF 6<br>D              |  |                                                                                       |
| ESTIMATED WEIGHT<br>LBS.                                                                                                 |  |                                                                                                                      |  | DATE DRAWN: CDR BY: CDR DATE:                                                                                                                                                                                         |  | PERITCAL: 1:5                                             |  | SOFTWARE USED<br>Solidworks 2018 SP2 |  |                                                                                       |
|                                                                                                                          |  |                                                                                                                      |  |                                                                                                                                                                                                                       |  |                                                           |  |                                      |  |                                                                                       |



|                                                                                                                                      |         |                                                                                                                                                                                                                               |         |                  |                                            |
|--------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|--------------------------------------------|
| THIRD ANGLE PROJECTION.<br>STANDARDS: ANSI/ASME Y14.100, Y14.101, AND Y14.141.<br>TOLERANCES: AS FOLLOWS UNLESS OTHERWISE SPECIFIED. |         | PROPERTY OF MCWANE CORPORATION.<br>ALL DIMENSIONS AND TOLERANCES ARE PROPRIETARY TO<br>MCWANE CORPORATION AND ITS SUBSIDIARIES.<br>CONSTRUCTION REQUIRED TO BE IN ACCORDANCE WITH<br>OTHERWISE ARRANGED. ALL RIGHTS RESERVED. |         | REVISION         | REVISION                                   |
| CASTING TOLERANCES                                                                                                                   |         | MACHINED DIMENSIONS                                                                                                                                                                                                           |         | MATERIAL         | DESCRIPTION                                |
| 0.4":                                                                                                                                | ± 1/32" | DECIMALS:                                                                                                                                                                                                                     | ± 0.005 | ESTIMATED WEIGHT | 42" C515 NRS RESILIENT WEDGE<br>GATE VALVE |
| 0.8":                                                                                                                                | ± 3/64" | FRACTIONS:                                                                                                                                                                                                                    | ± 1/64" |                  |                                            |
| 1.2":                                                                                                                                | ± 1/16" | ANGLE:                                                                                                                                                                                                                        | ± 1°    |                  |                                            |
| 1.6":                                                                                                                                | ± 3/32" | SURFACE FINISH:                                                                                                                                                                                                               | 125 µin |                  |                                            |
| 1.8":                                                                                                                                | ± 1/8"  | RADIUS:                                                                                                                                                                                                                       | 1/8"    |                  |                                            |
| MIN RADII:                                                                                                                           | 1/8"    |                                                                                                                                                                                                                               |         | NEW BY:          | DATE DRAWN:                                |
| MIN DRAFT:                                                                                                                           | 2°      |                                                                                                                                                                                                                               |         | CHK BY:          | CHK DATE:                                  |
|                                                                                                                                      |         |                                                                                                                                                                                                                               |         | SHEET NO. 5 OF 6 |                                            |
|                                                                                                                                      |         |                                                                                                                                                                                                                               |         | SHEET SIZE D     |                                            |

| ITEM NO. | COMPONENT                   | QTY. | SIZE               | STANDARD MATERIAL | MATERIAL OPTIONS                 |
|----------|-----------------------------|------|--------------------|-------------------|----------------------------------|
| 1        | BODY                        | 1    |                    | DUCTILE IRON      | -                                |
| 2        | COVER                       | 1    |                    | DUCTILE IRON      | -                                |
| 3        | WEDGE                       | 1    |                    | EPDM/DUCTILE IRON | -                                |
| 4        | TRACK                       | -    |                    | 316 SS            | -                                |
| 5        | SCRAPER                     | 2    |                    | C95500            | -                                |
| 6        | ROLLER                      | 4    |                    | C95400            | -                                |
| 7        | COILED SPRING PIN           | 4    | 1/2" x 2-3/4"      | 18-8 SS           | 316 SS                           |
| 8        | STEM NUT                    | 1    |                    | C87850            | C87610 (LOW ZINC)                |
| 9        | STEM                        | 1    |                    | C86200            | C99500(LOW ZINC), 304 SS, 316 SS |
| 10       | THRUST WASHER               | 2    |                    | NYLATRON          | -                                |
| 11       | ACTUATOR EXTENSION          | 1    |                    | DUCTILE IRON      | -                                |
| 12       | STEM GUIDE BUSHING          | 1    |                    | C87850            | -                                |
| 13       | COVER BUSHIING              | 1    |                    | C87850            | -                                |
| 14       | BEVEL GEAR                  | 1    |                    | -                 | SPUR GEAR                        |
| 15       | OPERATING NUT               | 1    |                    | DUCTILE IRON      | ** ∅ 32" HANDWHEEL **            |
| 16       | O-RING                      | 1    | 0.375" X 50.375"   | EPDM              | BUNA-N                           |
| 17       | O-RING                      | 1    | 0.375" X 48.375"   | EPDM              | BUNA-N                           |
| 18       | CAPSCREW                    | 20   | 1-1/4" - 7 X 7"    | 18-8 SS           | 316 SS                           |
| 19       | FLAT WASHER                 | 20   | 1-1/4"             | 18-8 SS           | 316 SS                           |
| 20       | HEX NUT                     | 20   | 1-1/4" - 7         | 18-8 SS           | 316 SS                           |
| 21       | CAPSCREW                    | 8    | 3/4" - 10 X 2-1/2" | 18-8 SS           | 316 SS                           |
| 22       | HEX NUT                     | 8    | 3/4" - 10          | 18-8 SS           | 316 SS                           |
| 23       | CAPSCREW                    | 8    | 3/4" - 10 X 3-1/4" | 18-8 SS           | 316 SS                           |
| 24       | PLUG                        | 2    | 1" NPT             | 304 SS            | 316 SS                           |
| 25       | PLUG                        | 1    | 1/2" NPT           | 316 SS            | -                                |
| 26       | O-RING                      | 1    | #359               | EPDM              | BUNA-N                           |
| 27       | O-RING                      | 1    | #371               | EPDM              | BUNA-N                           |
| 28       | O-RING                      | 1    | #352               | EPDM              | BUNA-N                           |
| 29       | O-RING                      | 4    | #342               | EPDM              | BUNA-N                           |
| 30       | O-RING                      | 1    | #447               | EPDM              | BUNA-N                           |
| 31       | KEY                         | 1    | 3/4" X 3/4" X 4"   | 18-8 SS           | BUNA-N                           |
| 32       | KEY KEEPER                  | 1    |                    | C95400            | -                                |
| 33       | CAPSCREW                    | 1    | 3/4" - 10 X 1"     | 18-8 SS           | 316 SS                           |
| 34       | PLUG                        | 2    | 2-1/2" NPT         | 316 SS            | -                                |
| 35       | CAPSCREW                    | 16   | 3/4" - 10 X 1-3/4" | 18-8 SS           | 316 SS                           |
| 36       | 8IN RS BYPASS ASSEMBLY      | 1    |                    | -                 | -                                |
| 36.1     | 08" C515 NRS VALVE ASSEMBLY | 1    |                    | -                 | ** ∅ 14" HANDWHEEL **            |
| 36.2     | BYPASS ELBOW                | 2    |                    | DUCTILE IRON      | -                                |
| 36.3     | CAPSCREW                    | 12   | 3/4" - 10 X 3-1/4" | 18-8 SS           | 316 SS                           |
| 36.4     | CAPSCREW                    | 4    | 3/4" - 10 X 2"     | 18-8 SS           | 316 SS                           |
| 36.5     | HEX NUT                     | 12   | 3/4" - 10          | 18-8 SS           | 316 SS                           |
| 36.6     | O-RING                      | 2    | #450               | EPDM              | BUNA-N                           |
| 36.7     | O-RING                      | 2    | #448               | EPDM              | BUNA-N                           |

VALVES CONFORM WITH FOLLOWING STANDARDS

• AWWA C515

• NSF 61

• **LOW ZINC BRASS** STEM AND STEM NUT AVAILABLE

• **100% DOMESTIC FASTENERS AND ORINGS** OPTIONS AVAILABLE

• ***OPEN LEFT*** (COUNTERCLOCKWISE) AND ***OPEN RIGHT*** (CLOCKWISE) OPTIONS AVAILABLE

• TURNS TO OPEN FROM FULLY CLOSED: 800

• ± 5% WITH STANDARD 8:1 BEVEL OR SPUR GEAR

• AWWA MAXIMUM ALLOWABLE CLOSING TORQUE 250 FT/LB INTO STANDARD GEARING

• OPTIONAL HANDWHEEL CAN BE SUBSTITUTED FOR STANDARD 2" SQUARE OP NUTS.

• \*\*NOTE: STANDARD HANDWHEEL SIZE CALLED OUT IN PARTS LIST.\*\*

• OPTIONAL 8" BYPASS VALVE

• TURNS TO OPEN: 26 (±5%)

• MAX ALLOWABLE AWWA CLOSING TORQUE: 150FT/LB

• BOTH BOTTOM BYPASS AND SIDE BYPASS ASSEMBLIES USE THE SAME COMPONENTS

• MAXIMUM PRESSURE RATING 250 PSI

\*\*NOTE: LINE ITEMS 35-36 ARE ONLY INCLUDED IN VALVE WITH BOTTOM BYPASS OR SIDE BYPASS OPTIONS.\*\*

|     |      |     |          |
|-----|------|-----|----------|
| C   | 2437 | BLS | 02/11/25 |
| B   | 2353 | BLS | 08/21/24 |
| A   | -    | CW  | 01/31/22 |
| SYM | ECN  | DR  | DATE     |

STANDARDS: AWWA C515, C516, AND C517. ALL DIMENSIONS ARE IN INCHES AND DECIMALS UNLESS OTHERWISE SPECIFIED.

CASTING TOLERANCES:  
0.4": ± 0.005  
0.8": ± 0.008  
1.2": ± 0.010  
1.6": ± 0.012  
2.0": ± 0.015  
2.4": ± 0.018  
3.0": ± 0.020  
3.6": ± 0.025  
4.2": ± 0.030  
4.8": ± 0.035  
5.4": ± 0.040  
6.0": ± 0.045  
6.6": ± 0.050  
7.2": ± 0.055  
7.8": ± 0.060  
8.4": ± 0.065  
9.0": ± 0.070  
9.6": ± 0.075  
10.2": ± 0.080  
10.8": ± 0.085  
11.4": ± 0.090  
12.0": ± 0.095  
12.6": ± 0.100  
13.2": ± 0.105  
13.8": ± 0.110  
14.4": ± 0.115  
15.0": ± 0.120  
15.6": ± 0.125  
16.2": ± 0.130  
16.8": ± 0.135  
17.4": ± 0.140  
18.0": ± 0.145  
18.6": ± 0.150  
19.2": ± 0.155  
19.8": ± 0.160  
20.4": ± 0.165  
21.0": ± 0.170  
21.6": ± 0.175  
22.2": ± 0.180  
22.8": ± 0.185  
23.4": ± 0.190  
24.0": ± 0.195  
24.6": ± 0.200  
25.2": ± 0.205  
25.8": ± 0.210  
26.4": ± 0.215  
27.0": ± 0.220  
27.6": ± 0.225  
28.2": ± 0.230  
28.8": ± 0.235  
29.4": ± 0.240  
30.0": ± 0.245  
30.6": ± 0.250  
31.2": ± 0.255  
31.8": ± 0.260  
32.4": ± 0.265  
33.0": ± 0.270  
33.6": ± 0.275  
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37.8": ± 0.310  
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39.6": ± 0.325  
40.2": ± 0.330  
40.8": ± 0.335  
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42.0": ± 0.345  
42.6": ± 0.350  
43.2": ± 0.355  
43.8": ± 0.360  
44.4": ± 0.365  
45.0": ± 0.370  
45.6": ± 0.375  
46.2": ± 0.380  
46.8": ± 0.385  
47.4": ± 0.390  
48.0": ± 0.395  
48.6": ± 0.400  
49.2": ± 0.405  
49.8": ± 0.410  
50.4": ± 0.415  
51.0": ± 0.420  
51.6": ± 0.425  
52.2": ± 0.430  
52.8": ± 0.435  
53.4": ± 0.440  
54.0": ± 0.445  
54.6": ± 0.450  
55.2": ± 0.455  
55.8": ± 0.460  
56.4": ± 0.465  
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57.6": ± 0.475  
58.2": ± 0.480  
58.8": ± 0.485  
59.4": ± 0.490  
60.0": ± 0.495  
60.6": ± 0.500  
61.2": ± 0.505  
61.8": ± 0.510  
62.4": ± 0.515  
63.0": ± 0.520  
63.6": ± 0.525  
64.2": ± 0.530  
64.8": ± 0.535  
65.4": ± 0.540  
66.0": ± 0.545  
66.6": ± 0.550  
67.2": ± 0.555  
67.8": ± 0.560  
68.4": ± 0.565  
69.0": ± 0.570  
69.6": ± 0.575  
70.2": ± 0.580  
70.8": ± 0.585  
71.4": ± 0.590  
72.0": ± 0.595  
72.6": ± 0.600  
73.2": ± 0.605  
73.8": ± 0.610  
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75.6": ± 0.625  
76.2": ± 0.630  
76.8": ± 0.635  
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78.6": ± 0.650  
79.2": ± 0.655  
79.8": ± 0.660  
80.4": ± 0.665  
81.0": ± 0.670  
81.6": ± 0.675  
82.2": ± 0.680  
82.8": ± 0.685  
83.4": ± 0.690  
84.0": ± 0.695  
84.6": ± 0.700  
85.2": ± 0.705  
85.8": ± 0.710  
86.4": ± 0.715  
87.0": ± 0.720  
87.6": ± 0.725  
88.2": ± 0.730  
88.8": ± 0.735  
89.4": ± 0.740  
90.0": ± 0.745  
90.6": ± 0.750  
91.2": ± 0.755  
91.8": ± 0.760  
92.4": ± 0.765  
93.0": ± 0.770  
93.6": ± 0.775  
94.2": ± 0.780  
94.8": ± 0.785  
95.4": ± 0.790  
96.0": ± 0.795  
96.6": ± 0.800  
97.2": ± 0.805  
97.8": ± 0.810  
98.4": ± 0.815  
99.0": ± 0.820  
99.6": ± 0.825  
100.2": ± 0.830  
100.8": ± 0.835  
101.4": ± 0.840  
102.0": ± 0.845  
102.6": ± 0.850  
103.2": ± 0.855  
103.8": ± 0.860  
104.4": ± 0.865  
105.0": ± 0.870  
105.6": ± 0.875  
106.2": ± 0.880  
106.8": ± 0.885  
107.4": ± 0.890  
108.0": ± 0.895  
108.6": ± 0.900  
109.2": ± 0.905  
109.8": ± 0.910  
110.4": ± 0.915  
111.0": ± 0.920  
111.6": ± 0.925  
112.2": ± 0.930  
112.8": ± 0.935  
113.4": ± 0.940  
114.0": ± 0.945  
114.6": ± 0.950  
115.2": ± 0.955  
115.8": ± 0.960  
116.4": ± 0.965  
117.0": ± 0.970  
117.6": ± 0.975  
118.2": ± 0.980  
118.8": ± 0.985  
119.4": ± 0.990  
120.0": ± 0.995  
120.6": ± 1.000  
121.2": ± 1.005  
121.8": ± 1.010  
122.4": ± 1.015  
123.0": ± 1.020  
123.6": ± 1.025  
124.2": ± 1.030  
124.8": ± 1.035  
125.4": ± 1.040  
126.0": ± 1.045  
126.6": ± 1.050  
127.2": ± 1.055  
127.8": ± 1.060  
128.4": ± 1.065  
129.0": ± 1.070  
129.6": ± 1.075  
130.2": ± 1.080  
130.8": ± 1.085  
131.4": ± 1.090  
132.0": ± 1.095  
132.6": ± 1.100  
133.2": ± 1.105  
133.8": ± 1.110  
134.4": ± 1.115  
135.0": ± 1.120  
135.6": ± 1.125  
136.2": ± 1.130  
136.8": ± 1.135  
137.4": ± 1.140  
138.0": ± 1.145  
138.6": ± 1.150  
139.2": ± 1.155  
139.8": ± 1.160  
140.4": ± 1.165  
141.0": ± 1.170  
141.6": ± 1.175  
142.2": ± 1.180  
142.8": ± 1.185  
143.4": ± 1.190  
144.0": ± 1.195  
144.6": ± 1.200  
145.2": ± 1.205  
145.8": ± 1.210  
146.4": ± 1.215  
147.0": ± 1.220  
147.6": ± 1.225  
148.2": ± 1.230  
148.8": ± 1.235  
149.4": ± 1.240  
150.0": ± 1.245  
150.6": ± 1.250  
151.2": ± 1.255  
151.8": ± 1.260  
152.4": ± 1.265  
153.0": ± 1.270  
153.6": ± 1.275  
154.2": ± 1.280  
154.8": ± 1.285  
155.4": ± 1.290  
156.0": ± 1.295  
156.6": ± 1.300  
157.2": ± 1.305  
157.8": ± 1.310  
158.4": ± 1.315  
159.0": ± 1.320  
159.6": ± 1.325  
160.2": ± 1.330  
160.8": ± 1.335  
161.4": ± 1.340  
162.0": ± 1.345  
162.6": ± 1.350  
163.2": ± 1.355  
163.8": ± 1.360  
164.4": ± 1.365  
165.0": ± 1.370  
165.6": ± 1.375  
166.2": ± 1.380  
166.8": ± 1.385  
167.4": ± 1.390  
168.0": ± 1.395  
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169.8": ± 1.410  
170.4": ± 1.415  
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171.6": ± 1.425  
172.2": ± 1.430  
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174.0": ± 1.445  
174.6": ± 1.450  
175.2": ± 1.455  
175.8": ± 1.460  
176.4": ± 1.465  
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178.2": ± 1.480  
178.8": ± 1.485  
179.4": ± 1.490  
180.0": ± 1.495  
180.6": ± 1.500  
181.2": ± 1.505  
181.8": ± 1.510  
182.4": ± 1.515  
183.0": ± 1.520  
183.6": ± 1.525  
184.2": ± 1.530  
184.8": ± 1.535  
185.4": ± 1.540  
186.0": ± 1.545  
186.6": ± 1.550  
187.2": ± 1.555  
187.8": ± 1.560  
188.4": ± 1.565  
189.0": ± 1.570  
189.6": ± 1.575  
190.2": ± 1.580  
190.8": ± 1.585  
191.4": ± 1.590  
192.0": ± 1.595  
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193.8": ± 1.610  
194.4": ± 1.615  
195.0": ± 1.620  
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196.8": ± 1.635  
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201.0": ± 1.670  
201.6": ± 1.675  
202.2": ± 1.680  
202.8": ± 1.685  
203.4": ± 1.690  
204.0": ± 1.695  
204.6": ± 1.700  
205.2": ± 1.705  
205.8": ± 1.710  
206.4": ± 1.715  
207.0": ± 1.720  
207.6": ± 1.725  
208.2": ± 1.730  
208.8": ± 1.735  
209.4": ± 1.740  
210.0": ± 1.745  
210.6": ± 1.750  
211.2": ± 1.755  
211.8": ± 1.760  
212.4": ± 1.765  
213.0": ± 1.770  
213.6": ± 1.775  
214.2": ± 1.780  
214.8": ± 1.785  
215.4": ± 1.790  
216.0": ± 1.795  
216.6": ± 1.800  
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217.8": ± 1.810  
218.4": ± 1.815  
219.0": ± 1.820  
219.6": ± 1.825  
220.2": ± 1.830  
220.8": ± 1.835  
221.4": ± 1.840  
222.0": ± 1.845  
222.6": ± 1.850  
223.2": ± 1.855  
223.8": ± 1.860  
224.4": ± 1.865  
225.0": ± 1.870  
225.6": ± 1.875  
226.2": ± 1.880  
226.8": ± 1.885  
227.4": ± 1.890  
228.0": ± 1.895  
228.6": ± 1.900  
229.2": ± 1.905  
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230.4": ± 1.915  
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232.8": ± 1.935  
233.4": ± 1.940  
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234.6": ± 1.950  
235.2": ± 1.955  
235.8": ± 1.960  
236.4": ± 1.965  
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238.2": ± 1.980  
238.8": ± 1.985  
239.4": ± 1.990  
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240.6": ± 2.000  
241.2": ± 2.005  
241.8": ± 2.010  
242.4": ± 2.015  
243.0": ± 2.020  
243.6": ± 2.025  
244.2": ± 2.030  
244.8": ± 2.035  
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246.6": ± 2.050  
247.2": ± 2.055  
247.8": ± 2.060  
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249.0": ± 2.070  
249.6": ± 2.075  
250.2": ± 2.080  
250.8": ± 2.085  
251.4": ± 2.090  
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254.4": ± 2.115  
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256.2": ± 2.130  
256.8": ± 2.135  
257.4": ± 2.140  
258.0": ± 2.145  
258.6": ± 2.150  
259.2": ± 2.155  
259.8": ± 2.160  
260.4": ± 2.165  
261.0": ± 2.170  
261.6": ± 2.175  
262.2": ± 2.180  
262.8": ± 2.185  
263.4": ± 2.190  
264.0": ± 2.195  
264.6": ± 2.200  
265.2": ± 2.205  
265.8": ± 2.210  
266.4": ± 2.215  
267.0": ± 2.220  
267.6": ± 2.225  
268.2": ± 2.230  
268.8": ± 2.235  
269.4": ± 2.240  
270.0": ± 2.245  
270.6": ± 2.250  
271.2": ± 2.255  
271.8": ± 2.260  
272.4": ± 2.265  
273.0": ± 2.270  
273.6": ± 2.275  
274.2": ± 2.280  
274.8": ± 2.285  
275.4": ± 2.290  
276.0": ± 2.295  
276.6": ± 2.300  
277.2": ± 2.305  
277.8": ± 2.310  
278.4": ± 2.315  
279.0": ± 2.320  
279.6": ± 2.325  
280.2": ± 2.330  
280.8": ± 2.335  
281.4": ± 2.340  
282.0": ± 2.345  
282.6": ± 2.350  
283.2": ± 2.355  
283.8": ± 2.360  
284.4": ± 2.365  
285.0": ± 2.370  
285.6": ± 2.375  
286.2": ± 2.380  
286.8": ± 2.385  
287.4": ± 2.390  
288.0": ± 2.395  
288.6": ± 2.400  
289.2": ± 2.405  
289.8": ± 2.410  
290.4": ± 2.415  
291.0": ± 2.420  
291.6": ± 2.425  
292.2": ± 2.430  
292.8": ± 2.435  
293.4": ± 2.440  
294.0": ± 2.445  
294.6": ± 2.450  
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295.8": ± 2.460  
296.4": ± 2.465  
297.0": ± 2.470  
297.6": ± 2.475  
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301.8": ± 2.510  
302.4": ± 2.515  
303.0": ± 2.520  
303.6": ± 2.525  
304.2": ± 2.530  
304.8": ± 2.535  
305.4": ± 2.540  
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307.8": ± 2.560  
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309.6": ± 2.575  
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312.6": ± 2.600  
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313.8": ± 2.610  
314.4": ± 2.615  
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315.6": ± 2.625  
316.2": ± 2.630  
316.8": ± 2.635  
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321.0": ± 2.670  
321.6": ± 2.675  
322.2": ± 2.680  
322.8": ± 2.685  
323.4": ± 2.690  
324.0": ± 2.695  
324.6": ± 2.700  
325.2": ± 2.705  
325.8": ± 2.710  
326.4": ± 2.715  
327.0": ± 2.720  
327.6": ± 2.725  
328.2": ± 2.730  
328.8": ± 2.735  
329.4": ± 2.740  
330.0": ± 2.745  
330.6": ± 2.750  
331.2": ± 2.755  
331.8": ± 2.760  
332.4": ± 2.765  
333.0": ± 2.770  
333.6": ± 2.775  
334.2": ± 2.780  
334.8": ± 2.785  
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336.0": ± 2.795  
336.6": ± 2.800  
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340.8": ± 2.835  
341.4": ± 2.840  
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343.8": ± 2.860  
344.4": ± 2.865  
345.0": ± 2.870  
345.6": ± 2.875  
346.2": ± 2.880  
346.8": ± 2.885  
347.4": ± 2.890  
348.0": ± 2.895  
348.6": ± 2.900  
349.2": ± 2.905  
349.8": ± 2.910  
350.4": ± 2.915  
351.0": ± 2.920  
351.6": ± 2.925  
352.2": ± 2.930  
352.8": ± 2.935  
353.4": ± 2.940  
354.0": ± 2.945  
354.6": ± 2.950  
355.2": ± 2.955  
355.8": ± 2.960  
356.4": ± 2.965  
357.0": ± 2.970  
357.6": ± 2.975  
358.2": ± 2.980  
358.8": ± 2.985  
359.4": ± 2.990  
360.0": ± 2.995  
360.6": ± 3.000  
361.2": ± 3.005  
361.8": ± 3.010  
362.4": ± 3.015  
363.0": ± 3.020  
363.6": ± 3.025  
364.2": ± 3.030  
364.8": ± 3.035  
365.4": ± 3.040  
366.0": ± 3.045  
366.6": ± 3.050  
367.2": ± 3.055  
367.8": ± 3.060  
368.4": ± 3.065  
369.0": ± 3.070  
369.6": ± 3.075  
370.2": ± 3.080  
370.8": ± 3.085  
371.4": ± 3.090  
372.0": ± 3.095  
372.6": ± 3.100  
373.2": ± 3.105  
373.8": ± 3.110  
374.4": ± 3.115  
375.0": ± 3.120  
375.6": ± 3.125  
376.2": ± 3.130  
376.8": ± 3.135  
377.4": ± 3.140  
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378.6": ± 3.150  
379.2": ± 3.155  
379.8": ± 3.160  
380.4": ± 3.165  
381.0": ± 3.170  
381.6": ± 3.175  
382.2": ± 3.180  
382.8": ± 3.185  
383.4": ± 3.190  
384.0": ± 3.195  
384.6":

- VALVES CONFORM WITH FOLLOWING STANDARDS
  - AWWA C515
  - NSF 61
- LOW ZINC BRASS** STEM AND STEM NUT AVAILABLE
- 100% DOMESTIC FASTENERS AND ORINGS** OPTIONS AVAILABLE
- OPEN LEFT*** (COUNTERCLOCKWISE) AND ***OPEN RIGHT*** (CLOCKWISE) OPTIONS AVAILABLE
- URNS TO OPEN FROM FULLY CLOSED: 800
  - ± 5% WITH STANDARD 8:1 BEVEL OR SPUR GEAR
- AWWA MAXIMUM ALLOWABLE CLOSING TORQUE 250 FT/LB INTO STANDARD GEARING
- OPTIONAL HANDWHEEL CAN BE SUBSTITUTED FOR STANDARD 2" SQUARE OP NUTS.
  - \*\*NOTE: STANDARD HANDWHEEL SIZE CALLED OUT IN PARTS LIST.\*\*
- OPTIONAL 8" BYPASS VALVE
  - URNS TO OPEN: 26 (±5%)
  - MAX ALLOWABLE AWWA CLOSING TORQUE: 150FT/LB
- BOTH BOTTOM BYPASS AND SIDE BYPASS ASSEMBLIES USE THE SAME COMPONENTS
- MAXIMUM PRESSURE RATING 250 PSI

**\*\*NOTE: LINE ITEMS 35-36 ARE ONLY INCLUDED IN VALVE WITH BOTTOM BYPASS OR SIDE BYPASS OPTIONS.\*\***

|     |      |     |          |
|-----|------|-----|----------|
| C   | 2437 | BLS | 02/11/25 |
| B   | 2353 | BLS | 08/21/24 |
| A   | -    | CW  | 01/31/22 |
| SYM | ECN  | DR  | DATE     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| THIRD ANGLE PROJECTION. STANDARDS AND TOLERANCES: T14.1, T14.2, T14.3, T14.4, T14.5, T14.6, T14.7, T14.8, T14.9, T14.10, T14.11, T14.12, T14.13, T14.14, T14.15, T14.16, T14.17, T14.18, T14.19, T14.20, T14.21, T14.22, T14.23, T14.24, T14.25, T14.26, T14.27, T14.28, T14.29, T14.30, T14.31, T14.32, T14.33, T14.34, T14.35, T14.36, T14.37, T14.38, T14.39, T14.40, T14.41, T14.42, T14.43, T14.44, T14.45, T14.46, T14.47, T14.48, T14.49, T14.50, T14.51, T14.52, T14.53, T14.54, T14.55, T14.56, T14.57, T14.58, T14.59, T14.60, T14.61, T14.62, T14.63, T14.64, T14.65, T14.66, T14.67, T14.68, T14.69, T14.70, T14.71, T14.72, T14.73, T14.74, T14.75, T14.76, T14.77, T14.78, T14.79, T14.80, T14.81, T14.82, T14.83, T14.84, T14.85, T14.86, T14.87, T14.88, T14.89, T14.90, T14.91, T14.92, T14.93, T14.94, T14.95, T14.96, T14.97, T14.98, T14.99, T15.1, T15.2, T15.3, T15.4, T15.5, T15.6, T15.7, T15.8, T15.9, T15.10, T15.11, T15.12, T15.13, T15.14, T15.15, T15.16, T15.17, T15.18, T15.19, T15.20, T15.21, T15.22, T15.23, T15.24, T15.25, 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