

16" C515 FLG X FLG

14.84

16.84

11.75

1.21

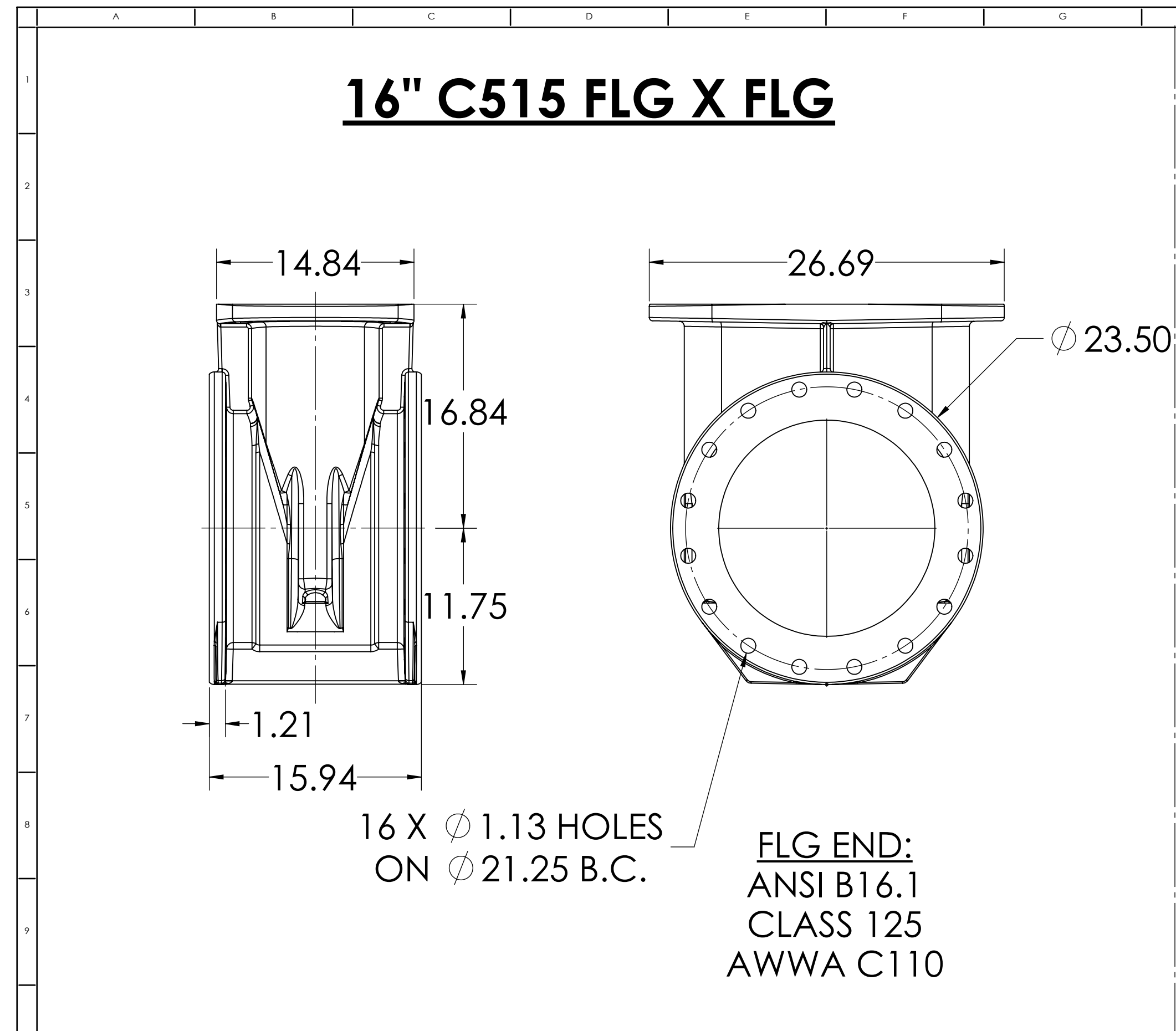
15.94

26.69

Ø 23.50

16 X Ø 1.13 HOLES
ON Ø 21.25 B.C.

FLG END:
ANSI B16.1
CLASS 125
AWWA C110



16" C515 TYTON X TYTON

14.84

16.84

10.16

2.63

24.06

2 X ϕ 1.00 HOLES

TYTON END:
AWWA C111

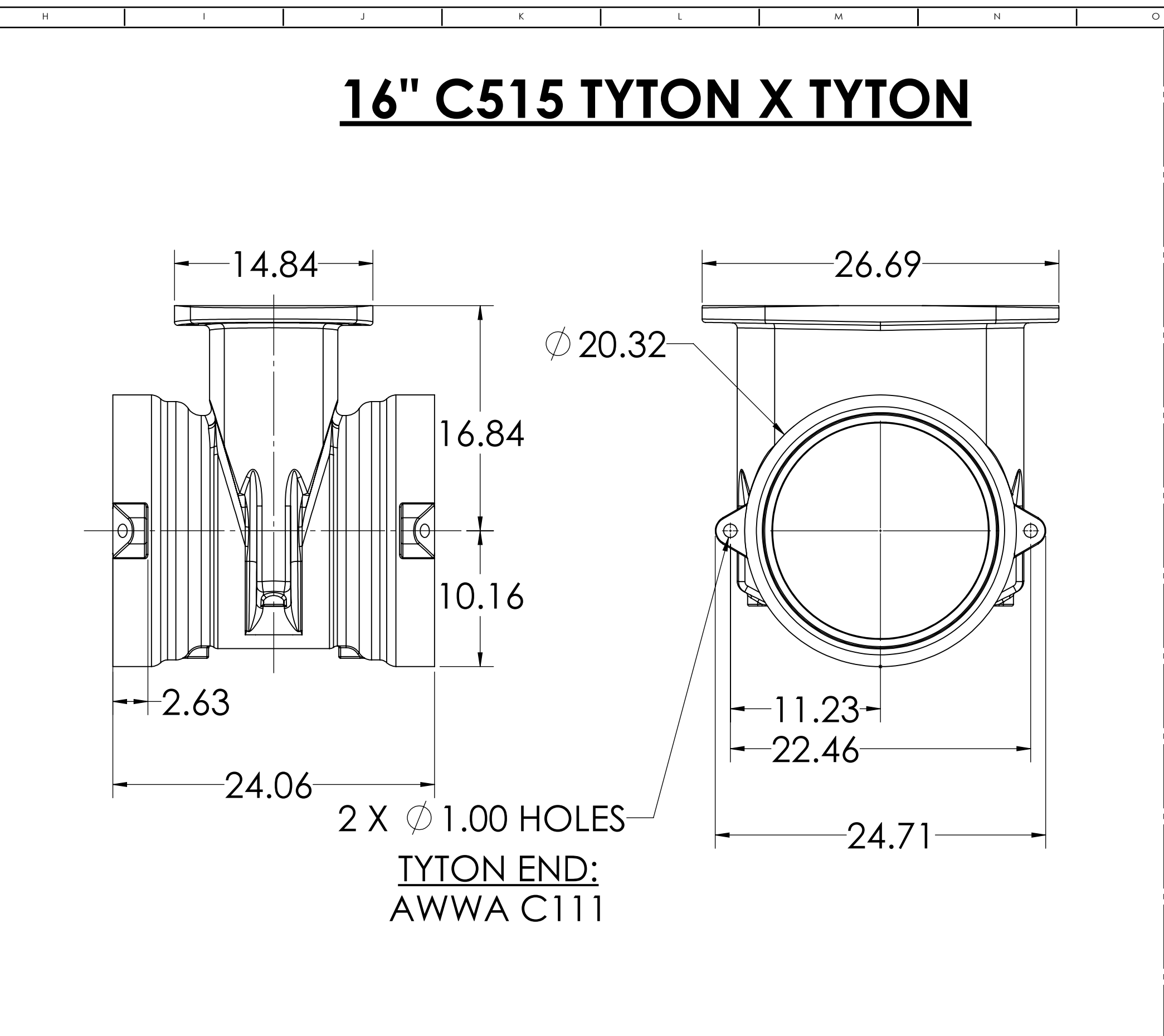
ϕ 20.32

26.69

11.23

22.46

24.71



16" C515 MJ X FLG

Side View Dimensions:

- Top Flange Width: 14.84
- Total Height: 16.84
- Bottom Flange Height: 11.25
- Bottom Flange Width: 11.75
- Bottom Flange Thickness: 1.21
- Bottom Flange Width: .84
- Bottom Flange Thickness: 8.00
- Bottom Flange Width: 8.56
- Bottom Flange Width: 16.56

Front View Dimensions:

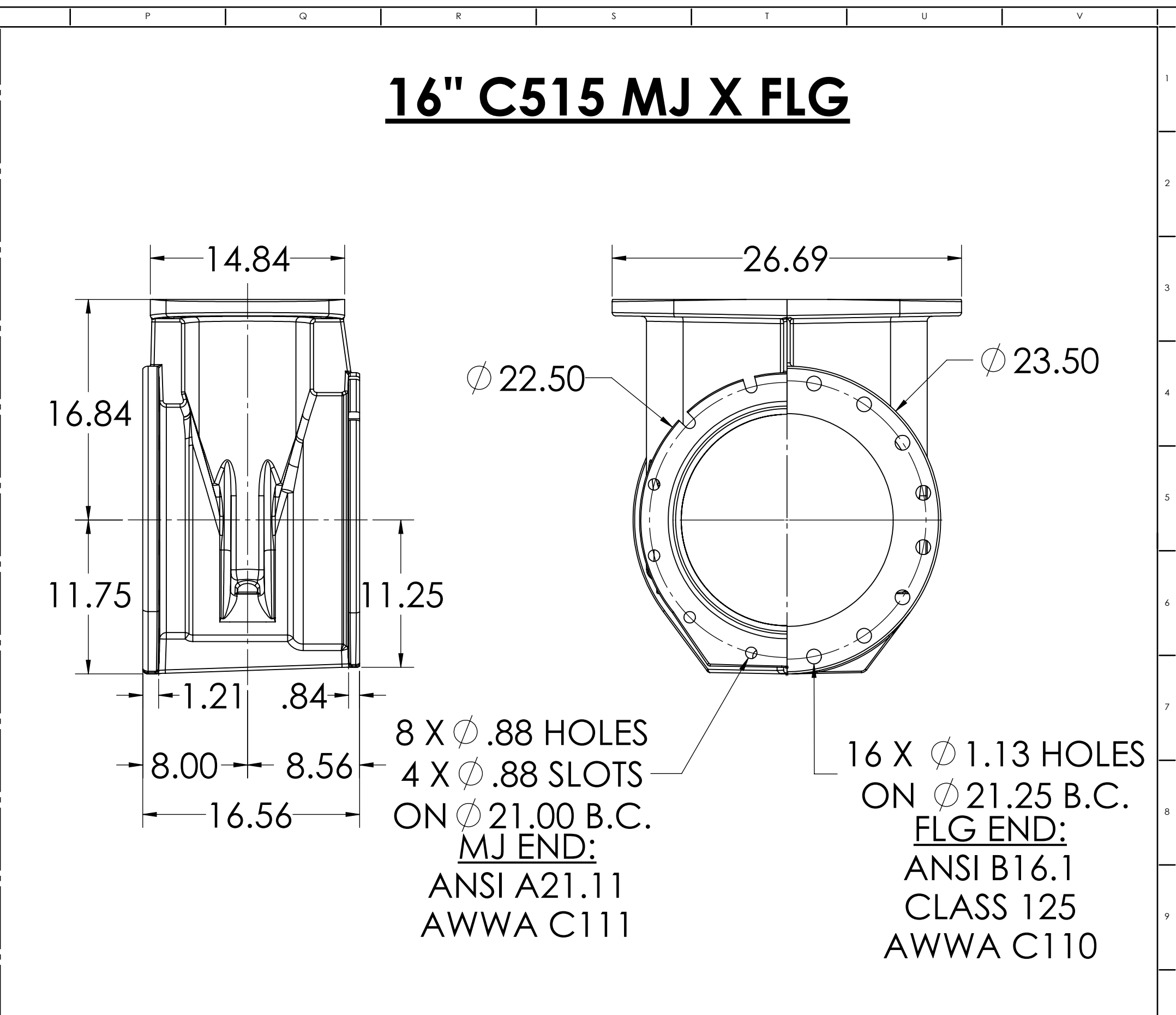
- Top Flange Width: 26.69
- Outer Diameter: $\varnothing 23.50$
- Inner Diameter: $\varnothing 22.50$

Holes and Slots:

- 8 X $\varnothing .88$ HOLES
- 4 X $\varnothing .88$ SLOTS
- ON $\varnothing 21.00$ B.C.
- 16 X $\varnothing 1.13$ HOLES
- ON $\varnothing 21.25$ B.C.

Specifications:

- MJ END:
- ANSI A21.11
- AWWA C111
- FLG END:
- ANSI B16.1
- CLASS 125
- AWWA C110



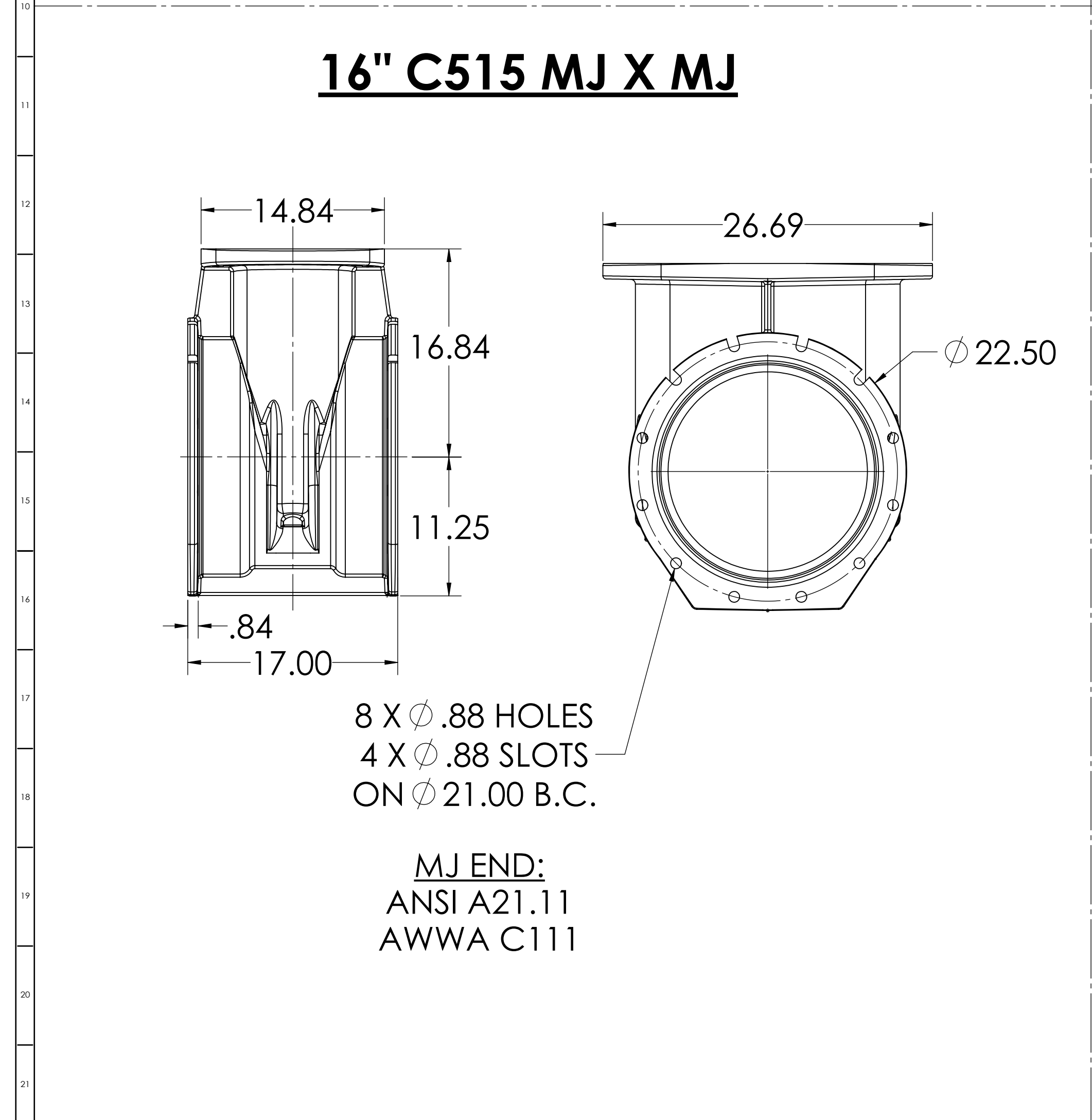
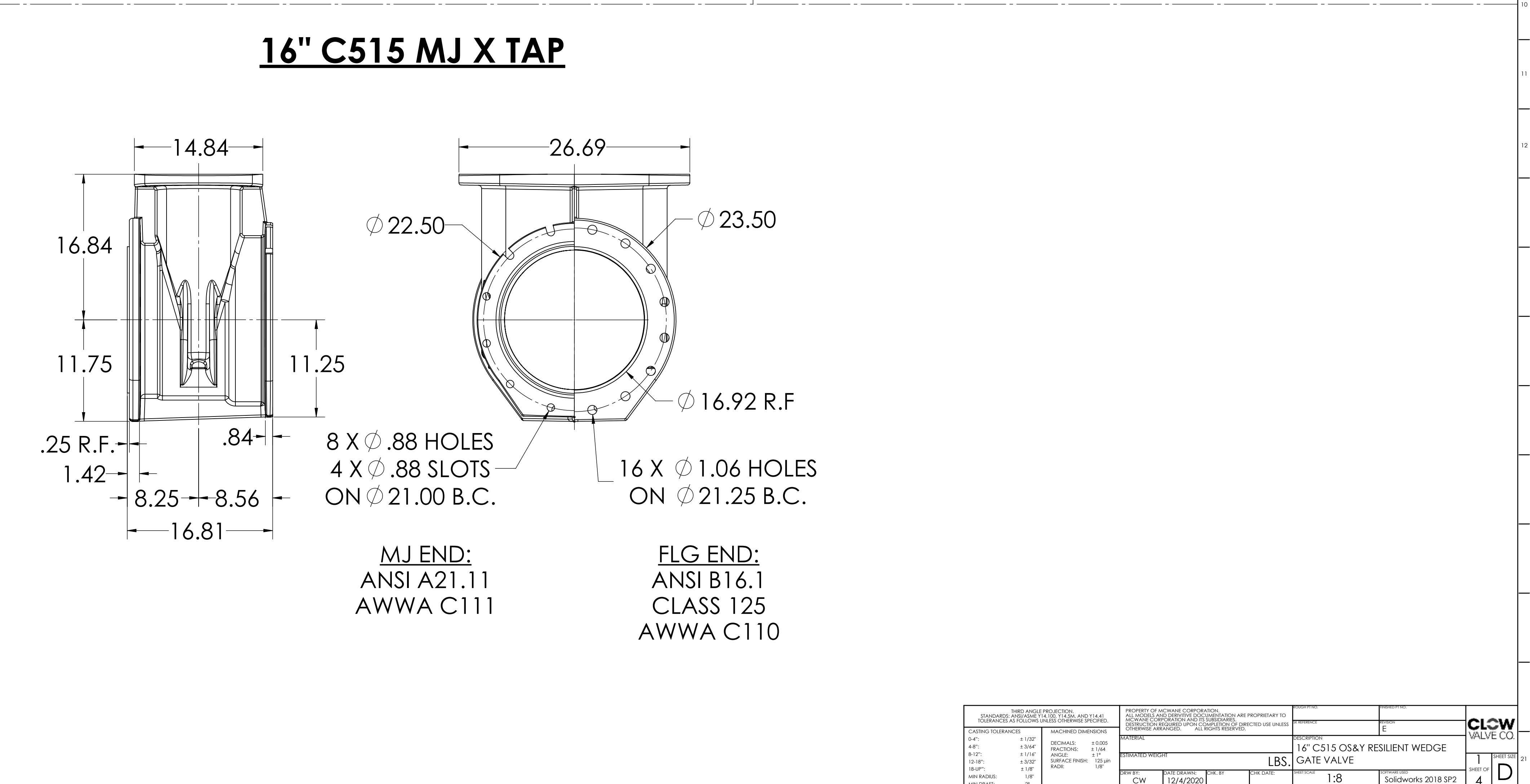
16" C515 MJ X MJ

14.84
 16.84
 11.25
 .84
 17.00

26.69
 22.50

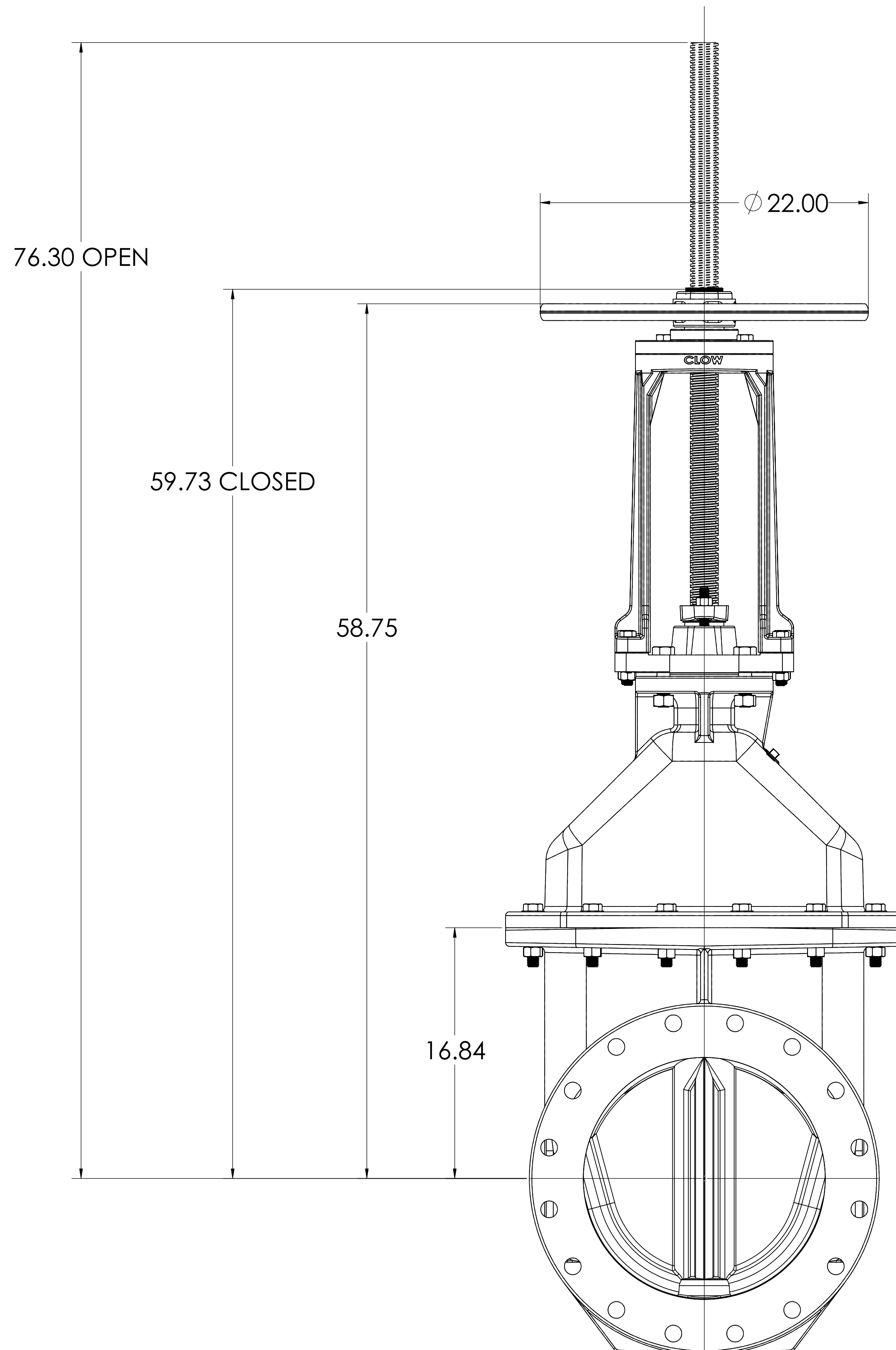
8 X $\varnothing$.88 HOLES
 4 X $\varnothing$.88 SLOTS
 ON $\varnothing$ 21.00 B.C.

MJ END:
 ANSI A21.11
 AWWA C111

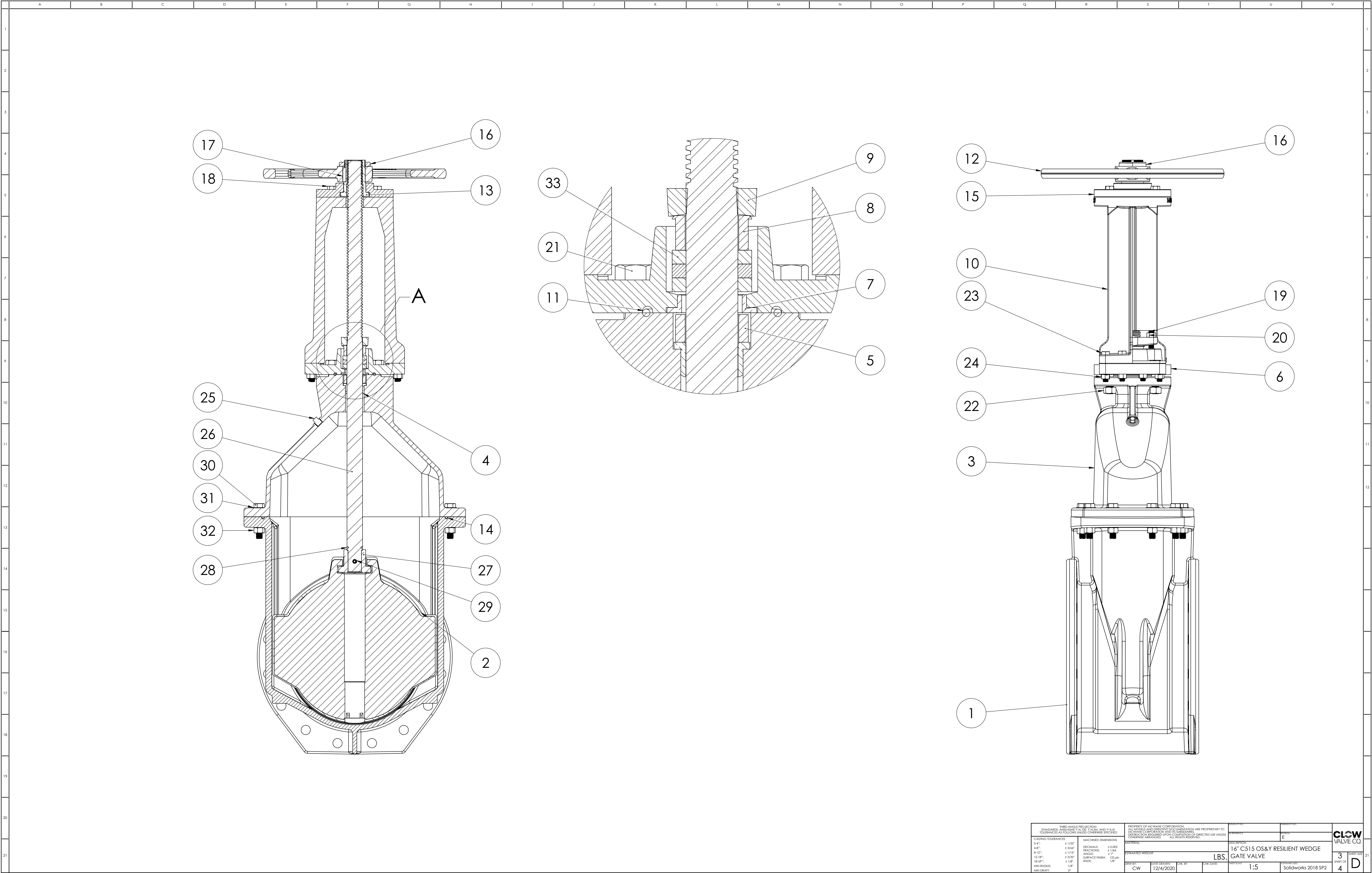
[illegible]

THIRD ANGLE PROJECTION STANDARDS: ANGLES 7.1.10, 7.1.12.01, AND 7.1.6.1 TOLERANCES AS FOLLOWS UNLESS OTHERWISE SPECIFIED				PROPERTY OF HANSON CORPORATION ALL MODELS AND DERIVATIVE DOCUMENTATION ARE PROPRIETARY TO HANSON CORPORATION. NO REPRODUCTION OR TRANSMISSION OF INFORMATION REQUIRED UNDER ANY COMPLETION OF DIRECTED USE UNLESS OTHERWISE ARRANGED. ALL RIGHTS RESERVED.				PART NUMBER DESCRIPTION QUANTITY DRAWN BY DATE DRAWN CHECKED BY DATE CHECKED SCALE SHEET NO.		CLSW VALVE CO. 1 4 D		SHEET SIZE 21			
COATING TOLERANCES: 0.4": 1/32" 4.8": 3/64" 8.12": 1/16" 10.18": 3/32" 18.18": 1/8" MIN RADII: 1/8"		MACHINED DIMENSIONS: DECIMALS: ± 0.005 FRACTIONS: ± 1/64 ANGLE: 1° SURFACE FINISH: RA32 RADIUS: 1/8"		MATERIAL ESTIMATED WEIGHT LBS.		DESCRIPTION 16" C515 OS&Y RESILIENT WEDGE GATE VALVE						1 4 D		SHEET SIZE 21	
PART NO. CW		DATE DRAWN 12/4/2020		CHECKED BY		SCALE 1:8		SHEET NO. 4		SHEET SIZE 21		SHEET NO. 4		SHEET SIZE 21	

OS&Y HANDWHEEL



INFO: ANGLE PROJECTION STANDARD: AND ASME Y14.100, Y14.101, AND Y14.111 DIMENSIONS: UNLESS NOT OTHERWISE SPECIFIED				PROPERTY OF CLOW VALVE CORPORATION ALL MODELS AND DERIVATIVE DOCUMENTATION ARE PROPRIETARY TO CLOW VALVE CORPORATION AND ITS SUBSIDIARIES DETAILING DEPARTMENT: ALL RIGHTS RESERVED				SHEET NO. 21	
CASTING TOLERANCES 0.4": 1/32" 0.6": 1/32" 0.8": 1/32" 1.0": 1/32" 1.2": 1/32" 1.4": 1/32" 1.6": 1/32" 1.8": 1/32" 2.0": 1/32" 2.2": 1/32" 2.4": 1/32" 2.6": 1/32" 2.8": 1/32" 3.0": 1/32" 3.2": 1/32" 3.4": 1/32" 3.6": 1/32" 3.8": 1/32" 4.0": 1/32" 4.2": 1/32" 4.4": 1/32" 4.6": 1/32" 4.8": 1/32" 5.0": 1/32" 5.2": 1/32" 5.4": 1/32" 5.6": 1/32" 5.8": 1/32" 6.0": 1/32" 6.2": 1/32" 6.4": 1/32" 6.6": 1/32" 6.8": 1/32" 7.0": 1/32" 7.2": 1/32" 7.4": 1/32" 7.6": 1/32" 7.8": 1/32" 8.0": 1/32" 8.2": 1/32" 8.4": 1/32" 8.6": 1/32" 8.8": 1/32" 9.0": 1/32" 9.2": 1/32" 9.4": 1/32" 9.6": 1/32" 9.8": 1/32" 10.0": 1/32" 10.2": 1/32" 10.4": 1/32" 10.6": 1/32" 10.8": 1/32" 11.0": 1/32" 11.2": 1/32" 11.4": 1/32" 11.6": 1/32" 11.8": 1/32" 12.0": 1/32" 12.2": 1/32" 12.4": 1/32" 12.6": 1/32" 12.8": 1/32" 13.0": 1/32" 13.2": 1/32" 13.4": 1/32" 13.6": 1/32" 13.8": 1/32" 14.0": 1/32" 14.2": 1/32" 14.4": 1/32" 14.6": 1/32" 14.8": 1/32" 15.0": 1/32" 15.2": 1/32" 15.4": 1/32" 15.6": 1/32" 15.8": 1/32" 16.0": 1/32" 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ITEM NO.	COMPONENT	QTY.	SIZE	STANDARD MATERIAL	MATERIAL OPTIONS
1	BODY	1		DUCTILE IRON	-
2	WEDGE	1		EPDM/DUCTILE IRON	-
3	COVER	1		DUCTILE IRON	-
4	COVER BUSHING	1		C87850	-
5	SPACER	1		C87850	-
6	STUFFBOX	1		DUCTILE IRON	-
7	BUSHING	1		C87850	-
8	PACKING GLAND	1		C87850	-
9	FOLLOWER	1		DUCTILE IRON	-
10	YOKE	1		DUCTILE IRON	-
11	O-RING	1	#425	EPDM	BUNA-N
12	HANDWHEEL	1	Ø 22"	DUCTILE IRON	-
13	OS&Y TOP STEM NUT	1		C86700	C99400 (LOW ZINC)
14	O-RING	1	#463	EPDM	BUNA-N
15	OS&Y NUT RETAINER	1		DUCTILE IRON	-
16	OS&Y HOLD DOWN NUT	1		C87850	-
17	KEY	1	3/8" X 1 3/4"	18-8 SS	316 SS
18	CAPSCREW HEX HEAD	4	5/8" - 11 X 2"	18-8 SS	316 SS
19	STUD	2	5/8"-11 X 3 1/2"	18-8 SS	316 SS
20	HEX NUT	2	5/8" - 11	18-8 SS	316 SS
21	CAPSCREW	4	7/8" - 9 X 3-1/2"	18-8 SS	316 SS
22	HEX NUT	4	7/8" - 9	18-8 SS	316 SS
23	CAPSCREW	8	5/8"-11X3 1/4"	18-8 SS	316 SS
24	HEX NUT	8	5/8" - 11	18-8 SS	316 SS
25	PLUG	1	1/2" NPT	18-8 SS	316 SS
26	STEM	1		C46400	C87600(LOW ZINC), 304SS, 316SS
27	STEM NUT	1		C87850	C87610 (LOW ZINC)
28	O-RING	1	#325	EPDM	BUNA-N
29	COILED SPRING PIN	1	1/2" X 2-3/4"	302/304 SS	
30	CAPSCREW	12	3/4" - 10 X 3-3/4"	18-8 SS	316 SS
31	FLAT WASHER	12	3/4"	18-8 SS	316 SS
32	HEX NUT	12	3/4" - 10	18-8 SS	316 SS
33	PACKING	3		BRAIDED FLAX	-

- VALVES CONFORM WITH THE 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: 52
- AWWA MAXIMUM ALLOWABLE CLOSING TORQUE 275 FT-LBS
- MAXIMUM PRESSURE RATING 250 PSI

E	2443	BLS	02/27/25
D	2370	GC	7/31/24
C	-	CW	1/13/22
B	-	CW	10/1/21
A	-		12/4/20
SYM	ECN	DR	DATE

THIRD ANGLE PROJECTION. STANDARDS: ANSI/ASME Y14.10, Y14.2M AND Y14.41. TOLERANCES: AS FOLLOWS UNLESS OTHERWISE SPECIFIED.		PROPERTY OF MCWANE CORPORATION. ALL DIMENSIONS AND TOLERANCE DESIGNATIONS ARE PROPRIETARY TO MCWANE CORPORATION AND ITS SUBSIDIARIES. REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT OR ANY PART THEREOF WITHOUT THE WRITTEN PERMISSION OF MCWANE CORPORATION IS PROHIBITED. ALL RIGHTS RESERVED.		REVISION
CASTING TOLERANCES: 0-4": ± 1/32" 4-8": ± 3/64" 8-12": ± 1/16" 12-18": ± 3/32" 18-UP": ± 1/8" MIN RADII: 1/8" MIN CHAMF: 2"		MACHINED DIMENSIONS: DECIMALS: ± 0.005 FRACTIONS: ± 1/64" ANGLE: ± 1° SURFACE FINISH: 125 µin RA: 1/8" RA: 1/8"		REVISION
MATERIAL:		DESCRIPTION:		REVISION
ESTIMATED WEIGHT:		LBS.		REVISION
DESIGNED BY:	DATE DESIGNED:	CHECKED BY:	CHECK DATE:	REVISION
CW	12/4/2020			1:5
SOLIDWORKS		Solidworks 2018 SP2		REVISION

CLW VALVE CO.	4	SHEET SIZE
4	D	