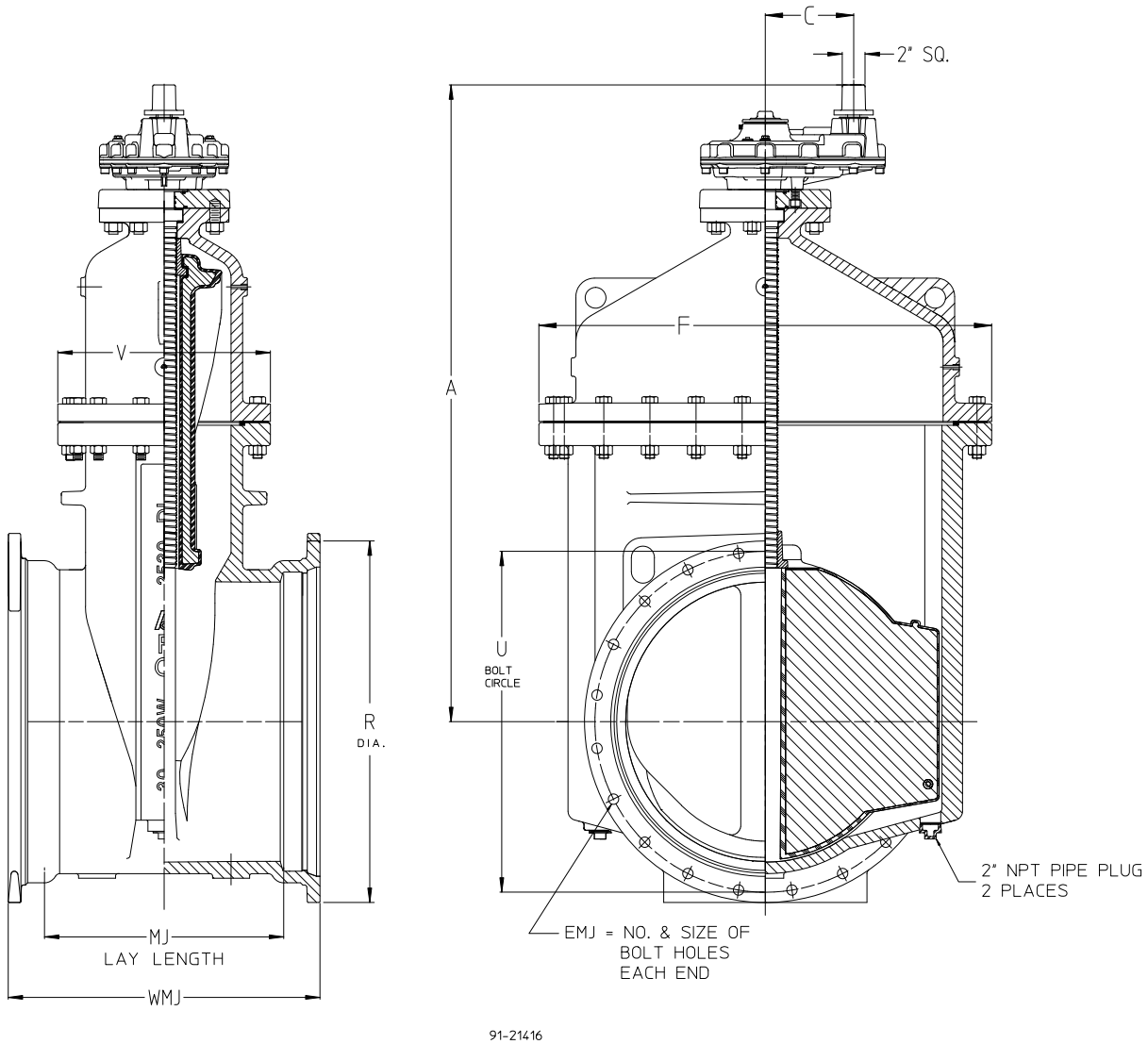
AMERICAN Flow Control Submittal Information

30" - 36" SERIES 2500 RESILIENT WEDGE GATE VALVE
NRS MECHANICAL JOINT ENDS WITH SPUR GEAR ACTUATOR (MJ X MJ)



Size	30"	36"
A	66.88 - 71.00	78.62 - 83.00
C	10.99 - 13.13	11.77 - 14.00
EMJ	20 - 1.13	24 - 1.13
F	49.00	58.00
MJ	25.75	29.50
R	39.13	46.00
U	36.88	43.75
V	23.00	27.50
WMJ	33.75	37.50
Turns to Open	379	448
Weight	4551 lbs.	7469 lbs.

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THE RIGHT WAY

AMERICAN Flow Control
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Birmingham, Al. 35202-2727
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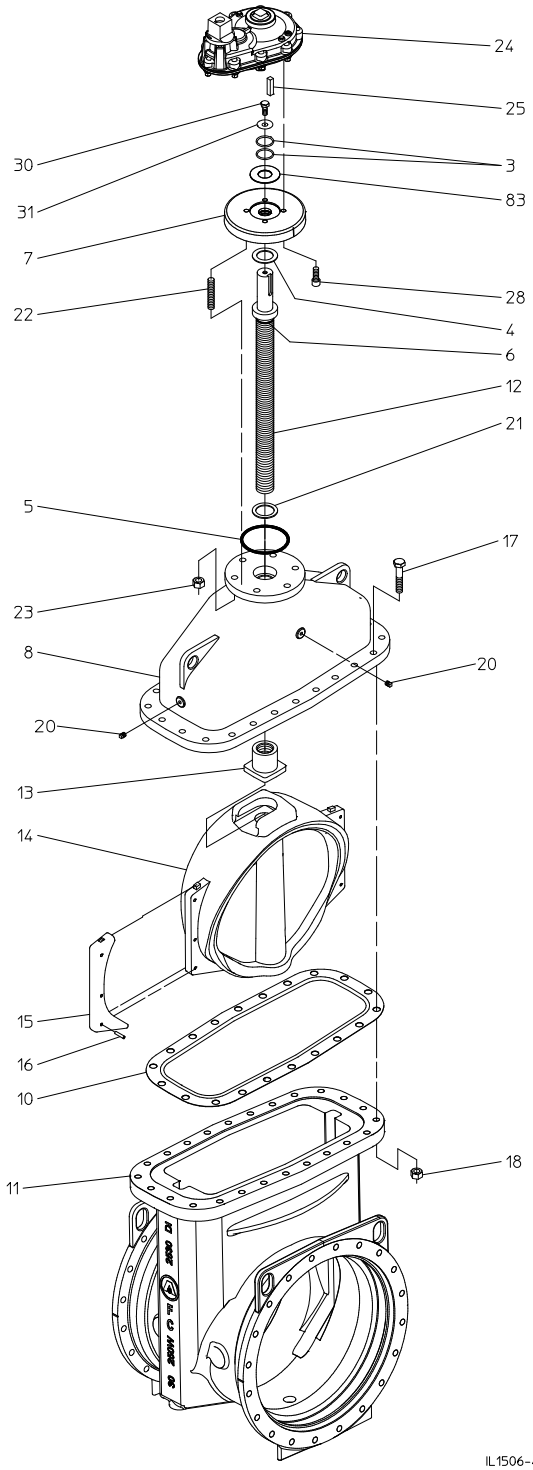

Ref. No.	Description	Material
3	O-Ring	Rubber
4	Upper Thrust Washer	Delrin
5	Stuffing Box Gasket	Rubber O-Ring
6	O-Ring	Rubber
7	Stuffing Box	Ductile Iron ASTM A536
8	Bonnet	Ductile Iron ASTM A536
10	Throat Flange Gasket	Rubber
11	Valve Body	Ductile Iron ASTM A536
12	Stem	Manganese Bronze, ASTM B763, UNS C86200
13	Wedge Nut	Silicon Bronze, ASTM B584, UNS C87600
14	Resilient Wedge	EPDM Rubber Encapsulated Ductile Iron ASTM A536
15	Wedge Cover	Acetal Polymer
16	Wedge Cover Pin	Acetal Polymer
17	Hex Head Bolt	304 Stainless Steel
18	Hex Nut	304 Stainless Steel
20	Pipe Plug	Stainless Steel
21	Lower Thrust Washer	Delrin
22	Stud	304 Stainless Steel
23	Hex Nut	304 Stainless Steel
24	Spur Gear Actuator Assembly	AFC or Rotork Gearing (4:1)
25	Key	Hardened Steel
28	Socket Head Capscrew	304 Stainless Steel
30	Hex Head Bolt	Zinc Plated Steel
31	Washer	Steel
83	Actuator Gasket	Rubber

OPTIONAL MATERIALS ARE AS FOLLOWS

BOLTS and NUTS: 316 Stainless Steel
STEM: Cast NDZ-S Bronze, ASTM B763, UNS C99500
STEM: 316 Stainless Steel
STEM: 304 Stainless Steel (30" only)

Open Direction ☐ Left(C.C.W.) ☐ Right(C.W.)

Construction shown is typical of the 30-inch size with mechanical joint end connections and is illustrative only. Construction of other sizes and end connection types vary slightly. See elsewhere on this drawing for specific details.

NOTES:
1. Mechanical joint ends are in accordance with ANSI/AWWA C111/A21.11.
2. Fusion-bonded epoxy coated in accordance with AWWA C550.
3. Certified to NSF/ANSI/CAN 61 & NSF/ANSI 372.
4. Meets requirements of AWWA C515 with rated working pressure of 250 psig.
5. Gearing provided may be AFC or Rotork as shown in Material.

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