



SECTION E-E

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| DWG NO: 1043620 DATE: 01/11/18 DWG BY: [Redacted] CHECKED BY: [Redacted] | | PROJECT NO: [Redacted] PROJECT NAME: [Redacted] | | SHEET NO: 5 TOTAL SHEETS: 7 | |
| TITLE: 20" CS15 NRS GEARED RESILIENT WEDGE GATE VALVE | | SCALE: T:4 | | MATERIAL: LBS | |
| DWG NO: 1043620 | | SCALE: T:4 | | SHEET NO: 5 TOTAL SHEETS: 7 | |



| <u>ITEM NO.</u> | <u>COMPONENT</u> | <u>QTY.</u> | <u>SIZE</u> | <u>STANDARD MATERIAL</u> | <u>MATERIAL OPTIONS</u> |
|-----------------|----------------------|-------------|------------------|--------------------------|---|
| 1 | BODY | 1 | - | DUCTILE IRON | - |
| 2 | COVER | 1 | - | DUCTILE IRON | - |
| 3 | WEDGE | 1 | - | DUCTILE IRON/EPDM | - |
| 4 | WEDGE CAP | 2 | - | DELFIN | - |
| 5 | STEM | 1 | 2 1/8" | C86200 | C99500, 304 SS 316 SS |
| 6 | STEM NUT | 1 | - | C87610 | C87850, C99500 |
| 7 | ADAPTOR PLATE | 1 | - | DUCTILE IRON | - |
| 8 | EXTENSION PLATE | 1 | - | DUCTILE IRON | - |
| 9 | BEVEL GEAR | 1 | - | - | SPUR GEAR |
| 10 | OPERATING NUT | 1 | - | CAST IRON | 304 SS, C86700 ** ϕ 24.00 HANDWHEEL** |
| 11 | THRUST WASHER | 2 | - | DELFIN | - |
| 12 | ACTUATOR GASKET | 1 | - | BUNA-N | - |
| 13 | O-RING | 3 | #327 | EPDM | BUNA-N |
| 14 | O-RING | 1 | #433 | EPDM | BUNA-N |
| 15 | O-RING | 1 | #469 | EPDM | BUNA-N |
| 16 | O-RING | 1 | #447 | EPDM | BUNA-N |
| 17 | KEY | 1 | 1/2" X 1/2" X 2" | 18-8 | - |
| 18 | COILED SPRING PIN | 1 | 10mm X 45mm | 302 SS OR 304 SS | - |
| 19 | HEX HEAD CAPSCREW | 16 | 3/4" X 4 1/2" | 18-8 SS | 316 SS |
| 20 | HEX HEAD CAPSCREW | 1 | 5/16" X 3/4" | 18-8 SS | 316 SS |
| 21 | HEX HEAD CAPSCREW | 4 | 7/8" X 3 1/2" | 18-8 SS | 316 SS |
| 22 | HEX HEAD CAPSCREW | 4 | 7/8" X 4" | 18-8 SS | 316 SS |
| 23 | SOCKET HEAD CAPSCREW | 4 | 3/4" X 1 1/2" | 18-8 SS | 316 SS |
| 24 | HEX NUT | 16 | 3/4" - 10 | 18-8 SS | 316 SS |
| 25 | FLAT WASHER | 16 | 3/4" | 18-8 SS | 316 SS |
| 26 | HEX NUT | 8 | 7/8" - 9 | 18-8 SS | 316 SS |
| 27 | FENDER WASHER | 1 | 5/16" | 18-8 SS | 316 SS |
| 28 | PIPE PLUG | 2 | 3/4" - NPT | 304 SS | 316 SS |
| 29 | PIPE PLUG | 1 | 1/2" - NPT | 304 SS | 316 SS |

- VALVES CONFORM WITH FOLLOWING STANDARDS
 - AWWA C515
 - NSF 61
- LOW ZINC BRASS STEM AND STEM NUT AVAILABLE
- 100% DOMESTIC FASTENER AND O-RING OPTIONS AVAILABLE
- OPEN LEFT (COUNTERCLOCKWISE) AND OPEN RIGHT (CLOCKWISE) OPTIONS AVAILABLE
- TURNS TO OPEN FROM FULLY CLOSED:
 - 192
 - +/- 5% WITH STANDARD 3:1 BEVEL OR SPUR GEAR
- AWWA MAXIMUM ALLOWABLE CLOSING TORQUE 250 FT-LBS WITH STANDARD GEARING
- OPTIONAL HANDWHEEL CAN BE SUBSTITUTED FOR STANDARD 2" SQUARE OP NUTS
 - **NOTE: STANDARD HANDWHEEL SIZE CALLED OUT IN PARTS LIST**

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| DWG NO. 124320 DATE 12/15/16 DRAWN BY DWI CHECKED BY APPROVED BY | | PROJECT NO. 124320 PROJECT NAME 20' CS15 NRS GEARED RESILIENT WEDGE GATE VALVE SHEET NO. 6 TOTAL SHEETS 7 | |  MHI MHI VALVE COMPANY 6700 W. 12TH AVENUE DENVER, CO 80202 TEL: 303.440.1000 FAX: 303.440.1001 WWW.MHI-VALVE.COM |
| SCALE: 1:4 DWG NO. 124320 | | PROJECT NO. 124320 PROJECT NAME 20' CS15 NRS GEARED RESILIENT WEDGE GATE VALVE SHEET NO. 6 TOTAL SHEETS 7 | | MHI MHI VALVE COMPANY 6700 W. 12TH AVENUE DENVER, CO 80202 TEL: 303.440.1000 FAX: 303.440.1001 WWW.MHI-VALVE.COM |