

1" & 1-1/2" GEN 2 Check Valve Product Line

REV	DATE	DESCRIPTION	ORIGIN (issued by)	APPROVED
REV 001	6/30/21	Document No: 100-063021-001	AP	GM

COMPANY PROPRIETARY INFORMATION

© 2014 - 2021 Proserv Gilmore Valve, LLC and/or its affiliates (Gilmore). All rights reserved. Proserv®, Gilmore™, Gilmore & Design (Stallion) and Gilmore, a Proserv Company[™] are registered trademarks or trademarks of Gilmore. This Bulletin and the information contained herein is not to be, in whole or in part, reproduced or transmitted in any form by any means without the express permission of Gilmore. DISCLAIMER: Whilst Gilmore has carefully reviewed the contents of this Bulletin and believes the information to be correct, Gilmore does not assume any liability in connection with any use of or reliance upon this information and gives no representation or warranty, express or implied, in respect of the information or any products described herein. This Bulletin is intended for use by persons having suitable technical expertise and skill, at their own discretion and risk. Gilmore may change the information contained herein at any time without notice.

For more information: Call (800) 469-8786 Gilmore@Gilmore.com

Gilmore 1231 Lumpkin Road Houston, TX 77043



1" & 1-1/2" GEN 2 Check Valve Product Line

Gilmore announces the new GEN 2 Check Valve product line for critical offshore and subsea applications. The 1" & 1-1/2" GEN 2 Check Valve has been redesigned with significant improvements, within the same cavity & footprint as the legacy Check Valve, allowing direct replacement inline or within existing Gilmore Check Valve Cartridge manifolds. Gilmore's proprietary valve technology provides an order of magnitude improvement in cycle life.

Features and Benefits:

- Qualification exceeds API 16D requirements
 - Two valves, 2500 cycles each
- Multiple cracking pressure options
- Improved Seat design
- Bolted Cover design
- Damped SealSleeve
- Improved valve materials:
 - o A286 Gr 660 SHCS
 - o 17-4 (H1150D) Body
 - o Inconel X-750 Spring
 - Nitronic 60 Seal Sleeve and Cage
 - Nitronic 60 Piston Rod
 - o PEEK Back Up rings
 - HNBR Soft Seals
 - o Delrin 511P Seats

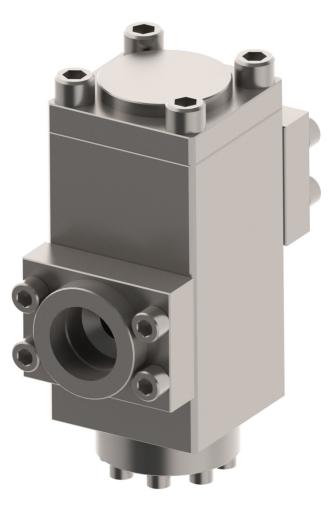
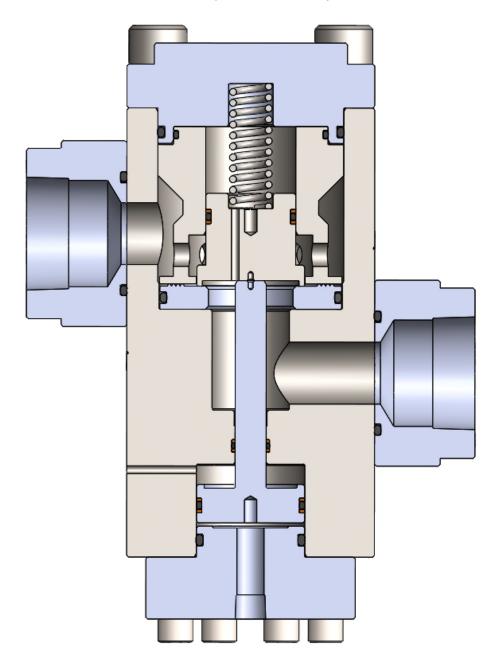


Figure 1. PN 29153: GEN 2 Check valve, Pilot Operated, Externally Vented Piston, 1-1/2 NPT, 5 ksi MAWP

1" & 1-1/2" GEN 2 Check Valve Product Line

Figure 2.

PN 29153: Cross-section GEN 2 Check valve, Pilot Operated, Externally Vented Piston, 1-1/2 NPT, 5 ksi MAWP





1" & 1-1/2" GEN 2 Check Valve Product Line

Gilmore has exceeded API 16D requirements by qualifying the new Gilmore 1" and 1-1/2" GEN 2 Check Valves to 2,500 cycles, with a 1" flow rate of 200 gpm and 1-1/2" flow rate of 300 gpm, at 5000 psi inlet with 1% - 4% water glycol test fluid.

The new 1" & 1-1/2" GEN 2 Check Cartridge and Valve have the identical cavity and valve footprint dimensions as the legacy Check Valves, allowing drop-in replacement.

As a result of the new 1" & 1-1/2" GEN 2 Check Valve product line, please note that sales of the legacy 1" & 1-1/2" Check Cartridge and Valve part numbers listed below will be discontinued as of June 30, 2022.

The new 1" & 1-1/2" GEN 2 Check Cartridge and Valve listed below are now available as a replacement for the legacy 1" & 1-1/2" Check Cartridge and Valve:

ltem	Legacy Description	Legacy Valve PN	Legacy Repair Kit PN	GEN 2 Description	New Valve PN	New Repair Kit PN
1	Valve, 1" Check, Piloted, Internal Vent, Standard Cracking, 5 ksi Inlet, 1" NPT Ports, 1/4" NPT Pilot	25100	25100 RK	Valve, 1" Check, GEN 2, Piloted, Internal Vent, Standard Cracking, 5 ksi Inlet, 1" NPT Ports, 1/4" NPT Pilot	29142	29142 RK
2	Valve, 1" Check, Piloted, Internal Vent, Standard Cracking, 5 ksi Inlet, 1" SAE Ports, 3/8" SAE Pilot	25145 28493	25145 RK 28493 RK	Valve, 1" Check, GEN 2, Piloted, Internal Vent, Standard Cracking, 5 ksi Inlet, 1" SAE, 3/8" SAE Pilot	29146	29146 RK
3	Valve, 1" Check, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" NPT Ports	27232-4	27232-4 RK	Valve, 1" Check, GEN 2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" NPT Ports (Legacy Body Dimensions)	29173	29173 RK
4	Valve, 1" Check, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" SAE Ports	27232-3	27232-3 RK	Valve, 1" Check, GEN 2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" SAE Ports (Legacy Body Dimensions)	29185	29185 RK
5	Valve, 1" Check, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1" SAE Ports	27232-2	27232-2 RK	Valve, 1" Check, GEN 2, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1" SAE (Legacy Body Dimensions)	29174	29174 RK
6	Cartridge, 1" Check, Standard Cracking, 5 ksi Inlet	27162	27162 RK	Cartridge, 1" Check, Standard Cracking, 5 ksi Inlet (Legacy Bolting Pattern)	29179	29179 RK

Table 1. New and Legacy 1" Check Valve and Cartridge Part Number Cross Reference:



1" & 1-1/2" GEN 2 Check Valve Product Line

 Table 2. New and Legacy 1-1/2" Check Valve and Cartridge Part Number Cross Reference:

ltem	Legacy Description	Legacy Valve PN	Legacy Repair Kit PN	GEN 2 Description	New Valve PN	New Repair Kit PN
7	Double Valve, 1-1/2" Check, Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" SW ports, 1/4" NPT Pilot	25155-0.2	25155-0.2 RK	Double Valve, 1-1/2" Check, GEN 2, Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" SW Ports, 1/4" NPT Pilot	29158	29158 RK
8	Double Valve, 1-1/2" Check, Non- Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" Code 62 Ports	28608	28608 RK	Double Valve, 1-1/2" Check, GEN 2, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" Code 62 Ports	29157	29157 RK
9	Valve, 1-1/2" Check, Piloted, Low Cracking, 5 ksi Inlet, 1-1/2" NPT Ports, 1/4" NPT Pilot	28485	28485 RK	Valve, 1-1/2" Check, GEN 2, Piloted, Externally Vented, Low Cracking, 5 ksi Inlet, 1-1/2" NPT Ports, 1/4" NPT Pilot	29153	29153 RK
10	Valve, 1-1/2" Check, Non-Piloted, 5 ksi Inlet, 2" Code 62 Ports	28260	28260 RK	Valve, 1-1/2" Check, GEN 2, Non- Piloted, Standard Cracking, 5 ksi Inlet, 2" Code 62 Ports	29147	29147 RK
11	Valve, 1-1/2" Check, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1- 1/2" NPT Ports	27235-1	27235-1 RK	Valve, 1-1/2" Check, GEN 2, Non- Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" NPT Ports (Legacy Body Dimensions)	29170	29170 RK
12	Valve, 1-1/2" Check, Non-Piloted, Low Cracking, 5 ksi Inlet, 1-1/2" Code 62 Ports	27235-3	27235-3 RK	Valve, 1-1/2" Check, GEN 2, Non- Piloted, Low Cracking Pressure, 5 ksi Inlet, 1-1/2" Code 62 Ports (Legacy Body Dimensions)	29171	29171 RK
13	Valve, 1-1/2" Check, Non-Piloted, Standard Cracking, 5 ksi Inlet, 2" Code 62 Ports, Offset Spool	28521	28526 RK	Valve, 1-1/2" Check, GEN 2, Non- Piloted, Standard Cracking, 5 ksi Inlet, 2" Code 62 Ports, Offset Spool	29154	29154 RK
14	Cartridge, 1-1/2" Check, Low Cracking, 5 ksi Inlet	25120-0.2 209012	25120-0.2 RK 209012 RK	Cartridge, 1-1/2" Check, GEN 2, Low Cracking, 5 ksi Inlet (Legacy Bolt Pattern)	29172	29172 RK



1" & 1-1/2" GEN 2 Check Valve Product Line

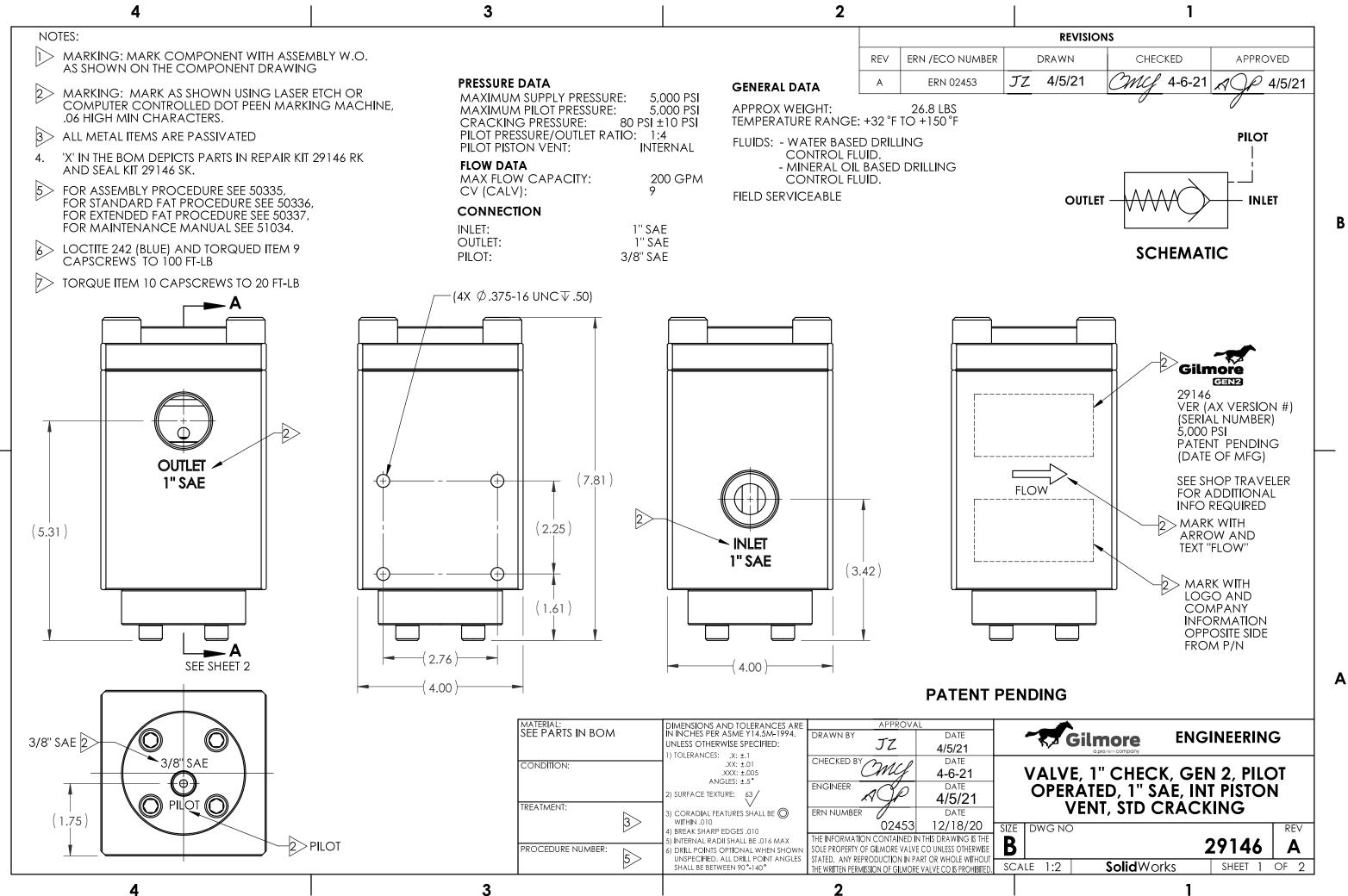
After the legacy valves are discontinued, Gilmore will continue to support the legacy 1" & 1-1/2" Check Cartridge and Check valve through repair kits and seals kits. Gilmore Aftermarket will continue to support discontinued legacy products with factory failure analysis and repair services.

Please note that GEN 2 repair kits <u>are not</u> interchangeable with legacy repair kits and cannot be used in legacy Check Cartridge and Valve. Please contact Gilmore Customer Service to assist you with selecting the GEN 2 replacement valve part number.

ltem	Additional GEN 2 Description	Additional GEN 2 Valve PN	Additional GEN 2 Repair Kit PN	Comment
15	Valve, 1" Check, GEN 2, Piloted, External Vent, Standard Cracking, 5 ksi Inlet, 1" SAE Ports, 3/8" SAE Pilot	29175	29175 RK	Same as GEN 2 PN 29142 except externally vented
16	Valve, 1" Check, GEN 2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" NPT Ports	29140	29140 RK	Same as GEN 2 PN 29173 except weight reduced
17	Valve, 1" Check, GEN 2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" SAE Ports	29186	29186 RK	Same as GEN 2 PN 29185 except weight reduced
18	Valve, 1" Check, GEN 2, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1" SAE Ports	29145	29145 RK	Same as GEN 2 PN 29174 except weight reduced
19	Valve, 1-1/2" Check, GEN 2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1-1/2" Code 62 Ports	29152	29152 RK	Same as GEN 2 PN 29171 except weight reduced
20	Valve, 1-1/2" Check, GEN 2, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" NPT Ports	29151	29151RK	Same as GEN 2 PN 29170 except weight reduced

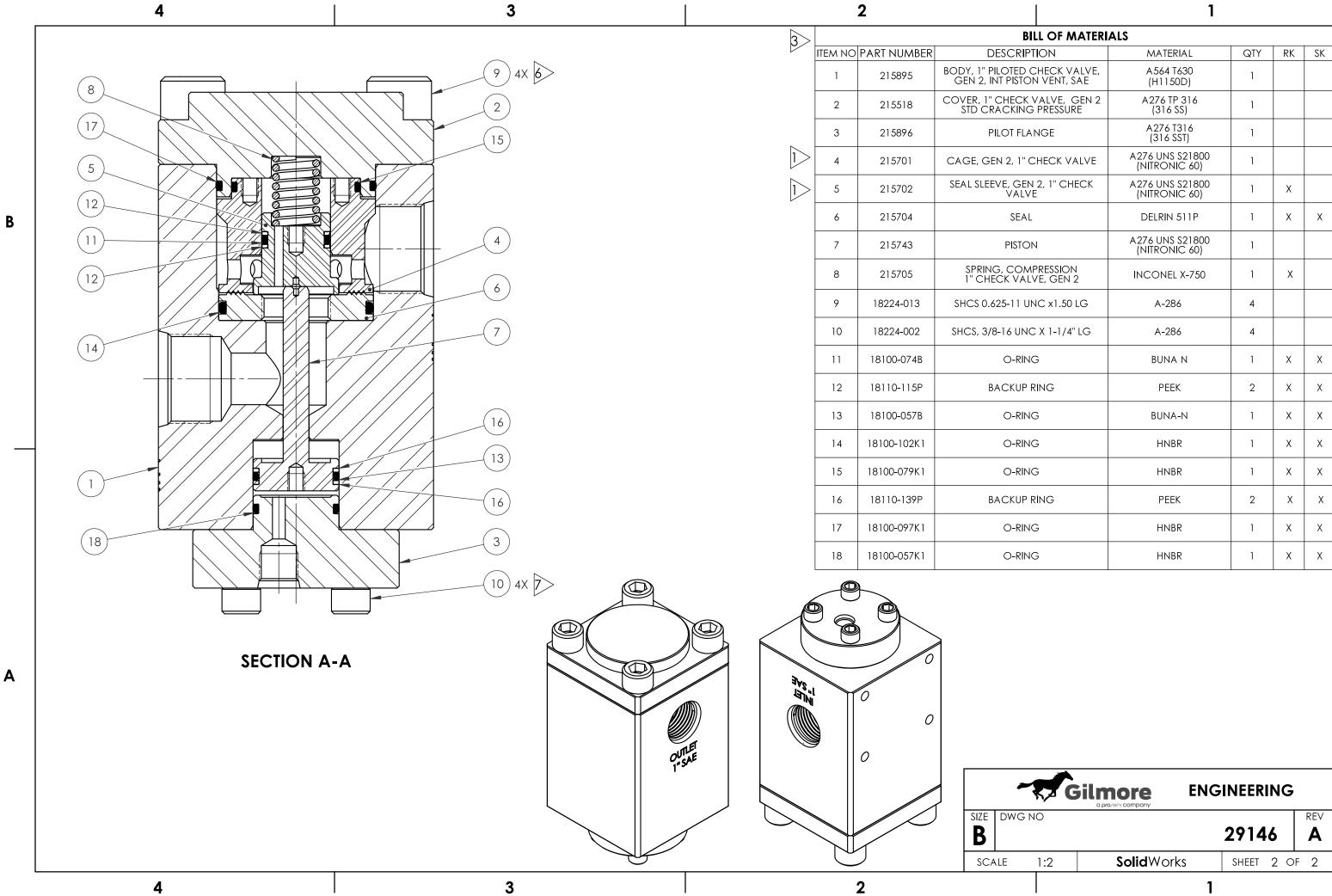
Table 3. Further GEN 2 Part Numbers with Additional Standardization and features:

Please contact Gilmore Customer Service to request drawings and quotations for these GEN 2 Check Valves at <u>Gilmore@Gilmore.com</u>.



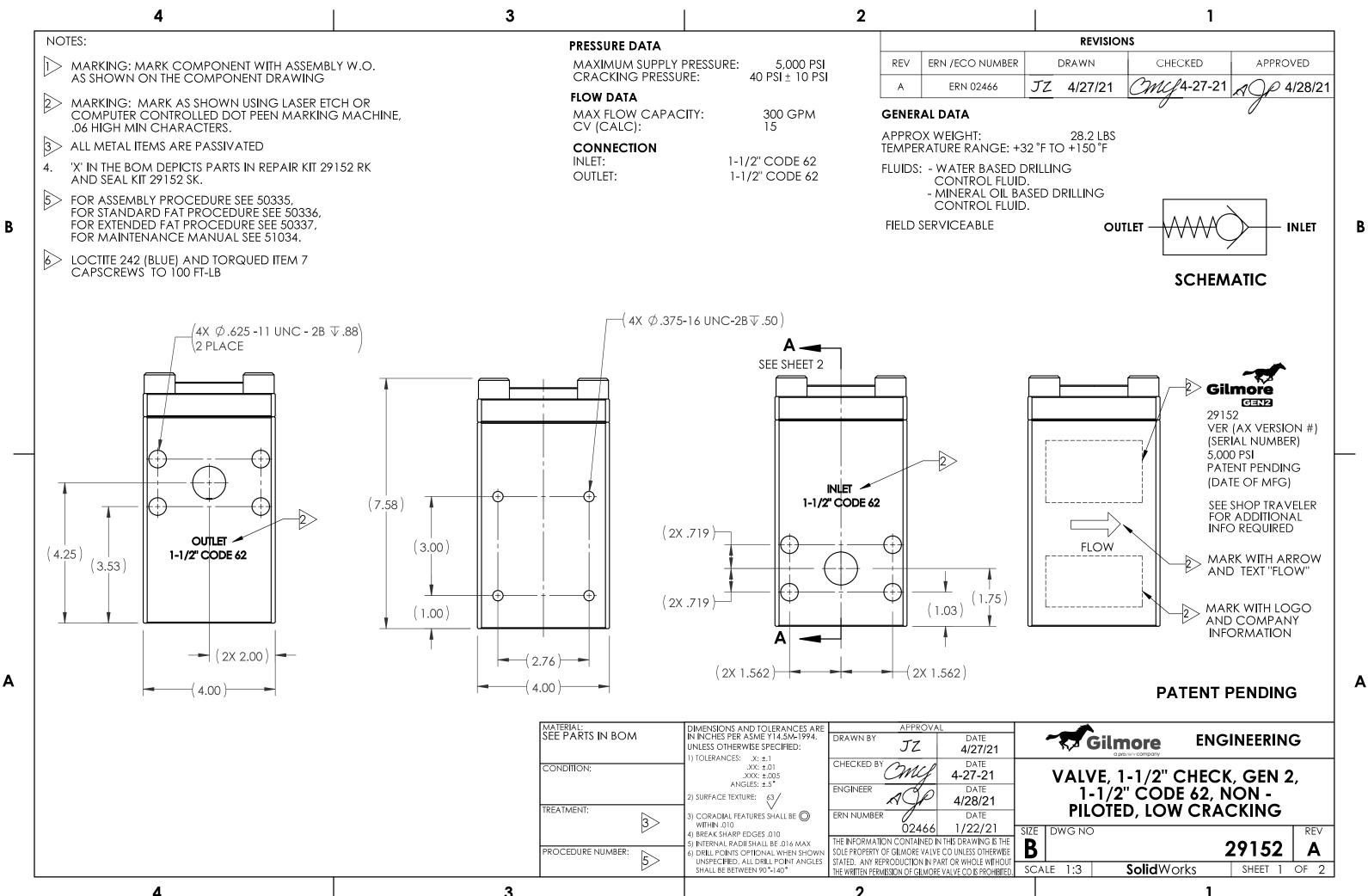
В

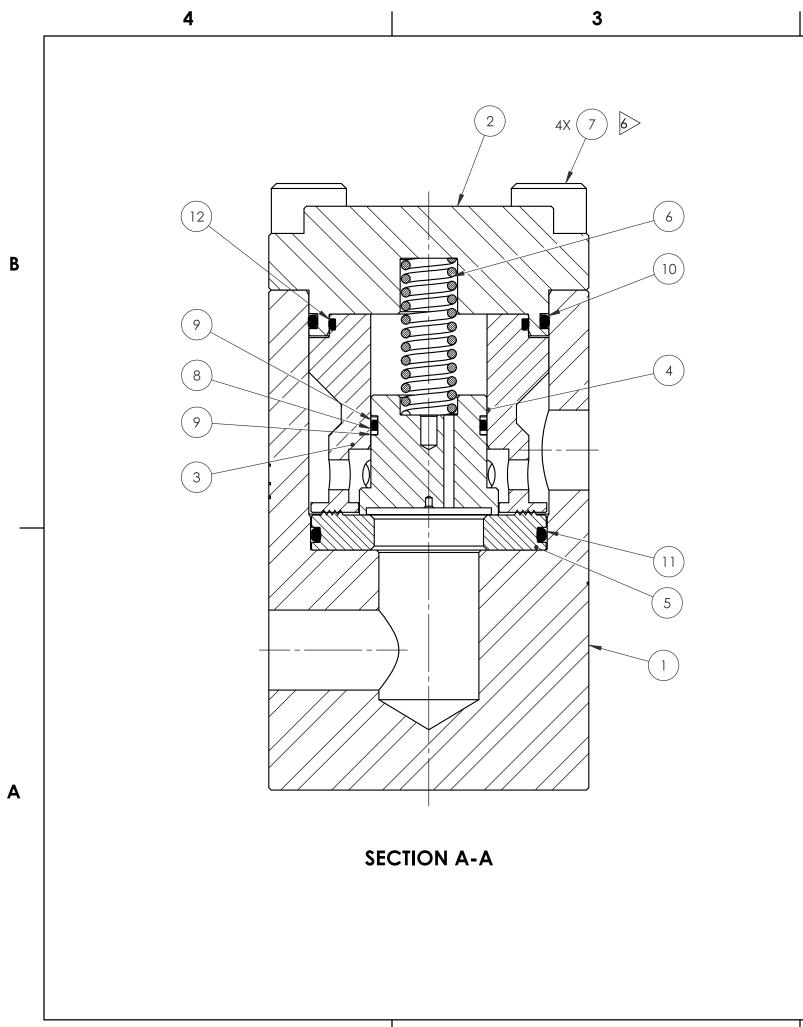
Α



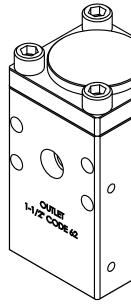
	1			
BILL OF MATERI	ALS			
CRIPTION	MATERIAL	QTY	RK	SK
TED CHECK VALVE, ISTON VENT, SAE	A 564 T630 (H1150D)	1		
ECK VALVE, GEN 2 KING PRESSURE	A276 TP 316 (316 SS)	1		
T FLANGE	A276 T316 (316 SST)	1		
, 1" CHECK VALVE	A276 UNS S21800 (NITRONIC 60)	1		
GEN 2, 1" CHECK /ALVE	A276 UNS S21800 (NITRONIC 60)	1	х	
SEAL	DELRIN 511P	1	х	х
ISTON	A276 UNS S21800 (NITRONIC 60)	1		
Compression Valve, gen 2	INCONEL X-750	1	х	
11 UNC x1.50 LG	A-286	4		
0 UNC X 1-1/4" LG	A-286	4		
-RING	BUNA N	1	x	Х
KUP RING	PEEK	2	x	Х
P-RING	BUNA-N	1	X	Х
P-RING	HNBR	1	х	Х
P-RING	HNBR	1	х	Х
KUP RING	PEEK	2	Х	Х
P-RING	HNBR	1	х	Х
-RING	HNBR	1	х	Х

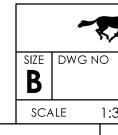
В

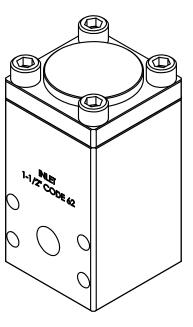


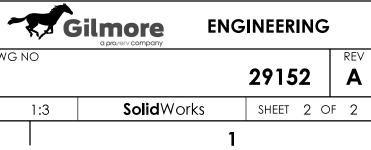


		2		1			
3>			BILL OF MATERI	ALS			
	ITEM NO	PART NUMBER	DESCRIPTION	MATERIAL	QTY	RK	SK
	1	216716	BODY, 1-1/2" CHECK VALVE, GEN 2, 1-1/2" CODE 62, NON - PILOT	A 564 T630 (H1150D)	1		
	2	216722	COVER, 1-1/2" CHECK VALVE, GEN 2, LOW CRACKING PRESSURE	A276 TP 316 (316 SS)	1		
1>	3	216192	CAGE, 1-1/2" CHECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	1		
l>	4	216194	SEAL SLEEVE, 1-1/2" CHECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	1	х	
	5	216193	SEAL	DELRIN 511P	1	х	Х
	6	COMPRESSED TO 1.96	SPRING, COMPRESSION	INCONEL X-750	1	Х	
	7	18224-013	SHCS 0.625-11 UNC x1.50 LG	A-286	4		
	8	18100-070B	O-RING	BUNA-N	1	х	Х
	9	18110-138P	BACKUP RING	PEEK	2	Х	х
	10	18100-115K1	O-RING	HNBR	1	х	х
	11	18100-155K1	O-RING	HNBR	1	х	х
	12	18100-061K1	O-RING	HNBR	1	Х	х

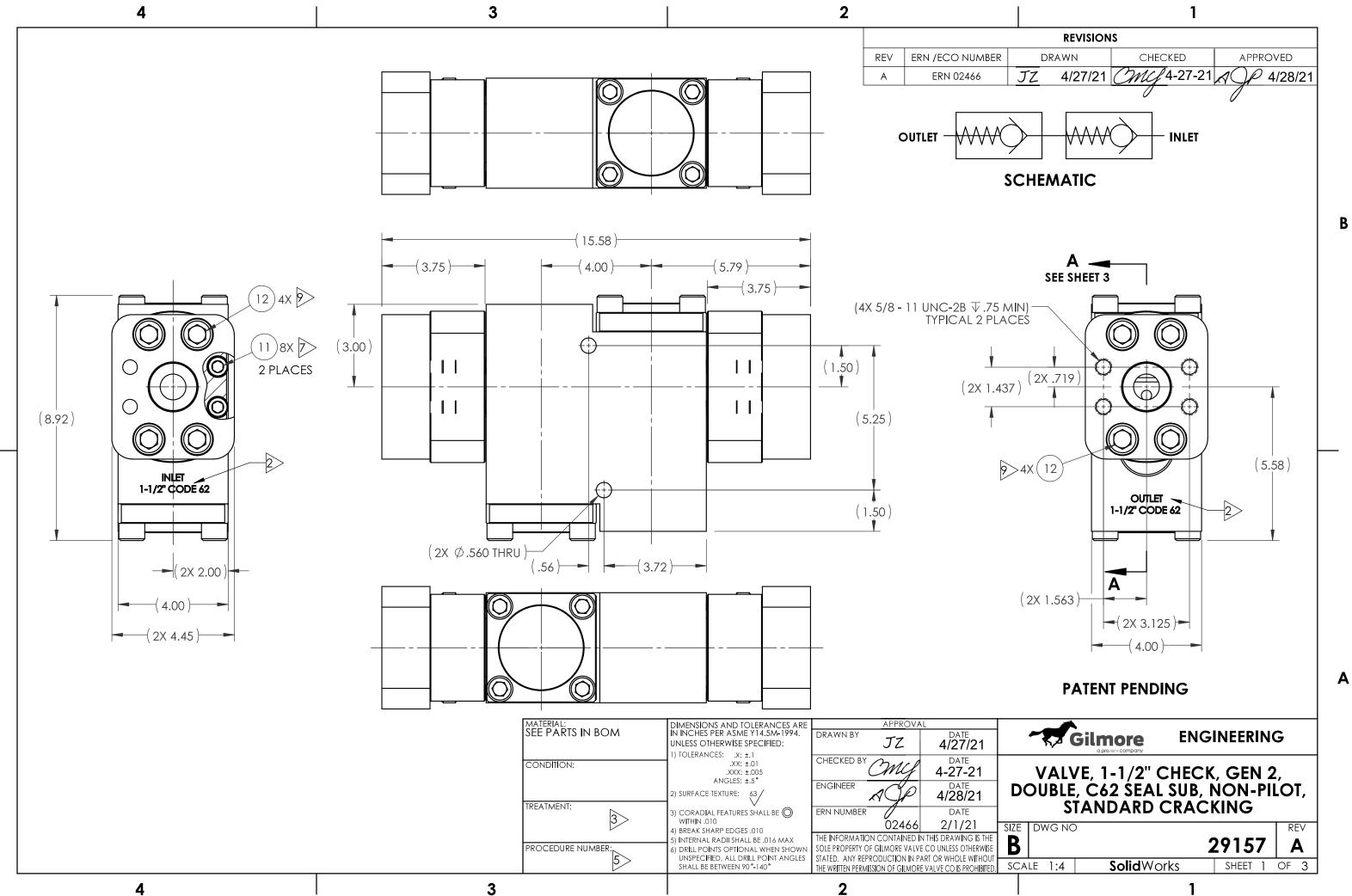








В



В

NOTES:

В

Α

- $\left|\right\rangle$ MARKING: MARK COMPONENT WITH ASSEMBLY W.O. AS SHOWN ON THE COMPONENT DRAWING
- 2 MARKING: MARK AS SHOWN USING LASER ETCH OR COMPUTER CONTROLLED DOT PEEN MARKING MACHINE. .06 HIGH MIN CHARACTERS.
- 3> ALL METAL ITEMS ARE PASSIVATED
- 'X' IN THE BOM DEPICTS PARTS IN REPAIR KIT 29157 RK 4. AND SEAL KIT 29157 SK.
- 5> FOR ASSEMBLY PROCEDURE SEE 50335, FOR STANDARD FAT PROCEDURE SEE 50336, FOR EXTENDED FAT PROCEDURE SEE 50337, FOR MAINTENANCE MANUAL SEE 51034.
- 6> LOCTITE 242 (BLUE) AND TORQUED ITEM 10 CAPSCREWS TO 100 FT-LB
- 7 TORQUED ITEM 11 CAPSCREWS TO 20 FT-LB
- 8> TORQUED ITEM 7 HEX PLUG TO 100 FT-LB
- 9> TORQUED ITEM 12 CAPSCREWS TO 100 FT-LB

PRESSURE DATA

MAXIMUM PRESSURE 5,000 PSI CRACKING PRESSURE 80 ± 10 PSI

FLOW DATA

MAX FLOW CAPACITY: CV (CALC):

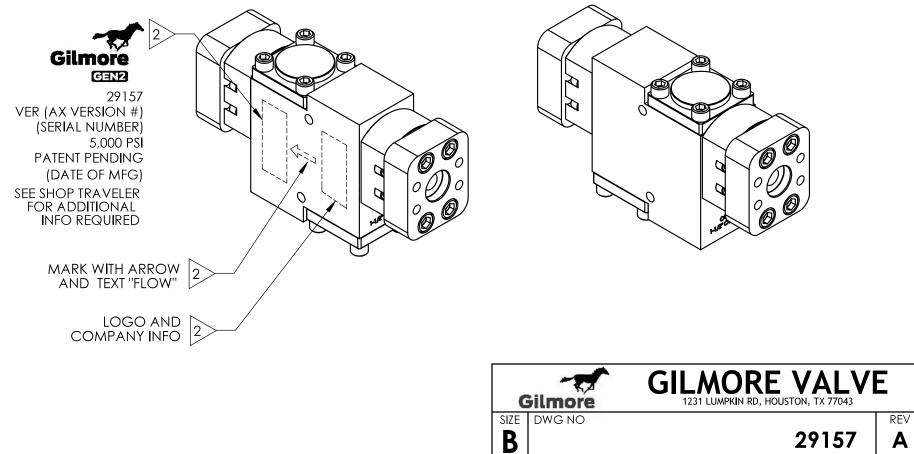
FLUIDS: 1.) WATER BASED DRILLING CONTROL FLUID. 2.) MINERAL OIL BASED DRILLING CONTROL FLUID.

PORTS

INLET: 1-1/2" CODE 62 SEAL SUB OUTLET: 1-1/2" CODE 62 SEAL SUB

GENERAL DATA

APPROX WEIGHT: 101 LBS TEMPERATURE RANGE: 32 °F TO 200 °F FIELD SERVICEABLE



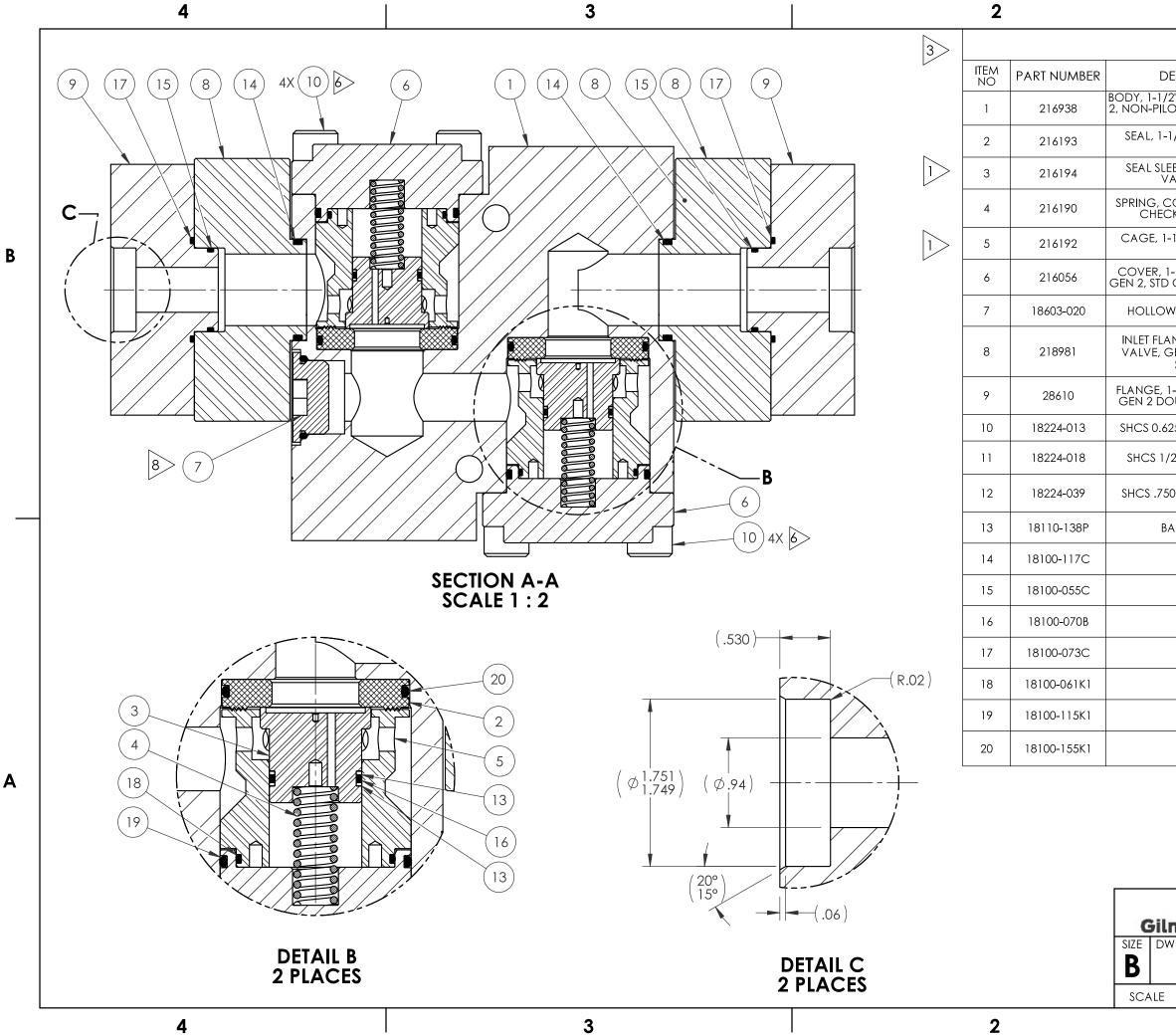
Scale

1	

300GPM

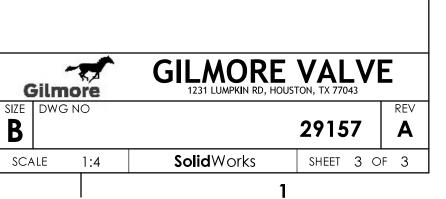
10

В



Α

BILL OF MATERIA	ALS			
ESCRIPTION	MATERIAL	QTY	RK	SK
2" CHECK VALVE, GEN DT, DOUBLE, C62 SEAL SUB	A 564 TP 630 (17-4PH)	1		
1/2" CHECK VALVE, GEN 2	DELRIN 511P	2	Х	Х
EVE, 1-1/2" CHECK ALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	2	Х	
Compression, 1-1/2" CK Valve, gen 2	INCONEL X-750	2	Х	
-1/2" CHECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	2		
-1/2" CHECK VALVE, CRACKING PRESSURE	A276 TP 316 (316 SS)	2		
N HEX PLUG, 1-1/4"	A240 TP 316	1		
NGE, 1-1/2" CHECK GEN 2, DOUBLE, C62 SEAL SUB	A276 TP 316 (316L)	2		
-1/2" CHECK VALVE, DUBLE, C62 SEAL SUB	A276 UNS S21800 (NITRONIC 60)	2		
25-11 UNC x1.5 0 LG	A-286	8		
2-13 UNC x1.75 LG	A-286	8		
0-10 UNC x 2.00 LG.	A-286	8		
ACKUP RING	PEEK	4	Х	х
O-RING	BUNA-N	2	Х	Х
O-RING	BUNA-N	2	Х	Х
O-RING	BUNA-N	2	Х	Х
O-RING	BUNA-N	2	Х	Х
O-RING	HNBR	2	Х	Х
O-RING	HNBR	2	Х	Х
O-RING	HNBR	2	Х	х
Į		-		



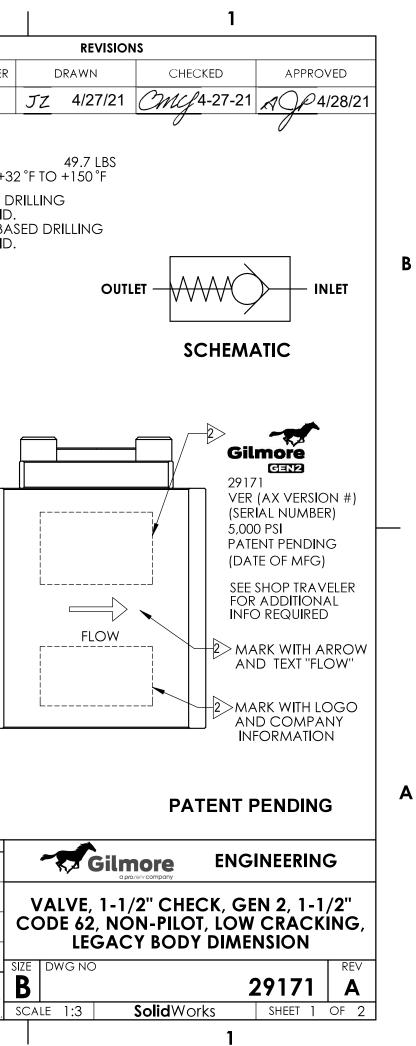
1

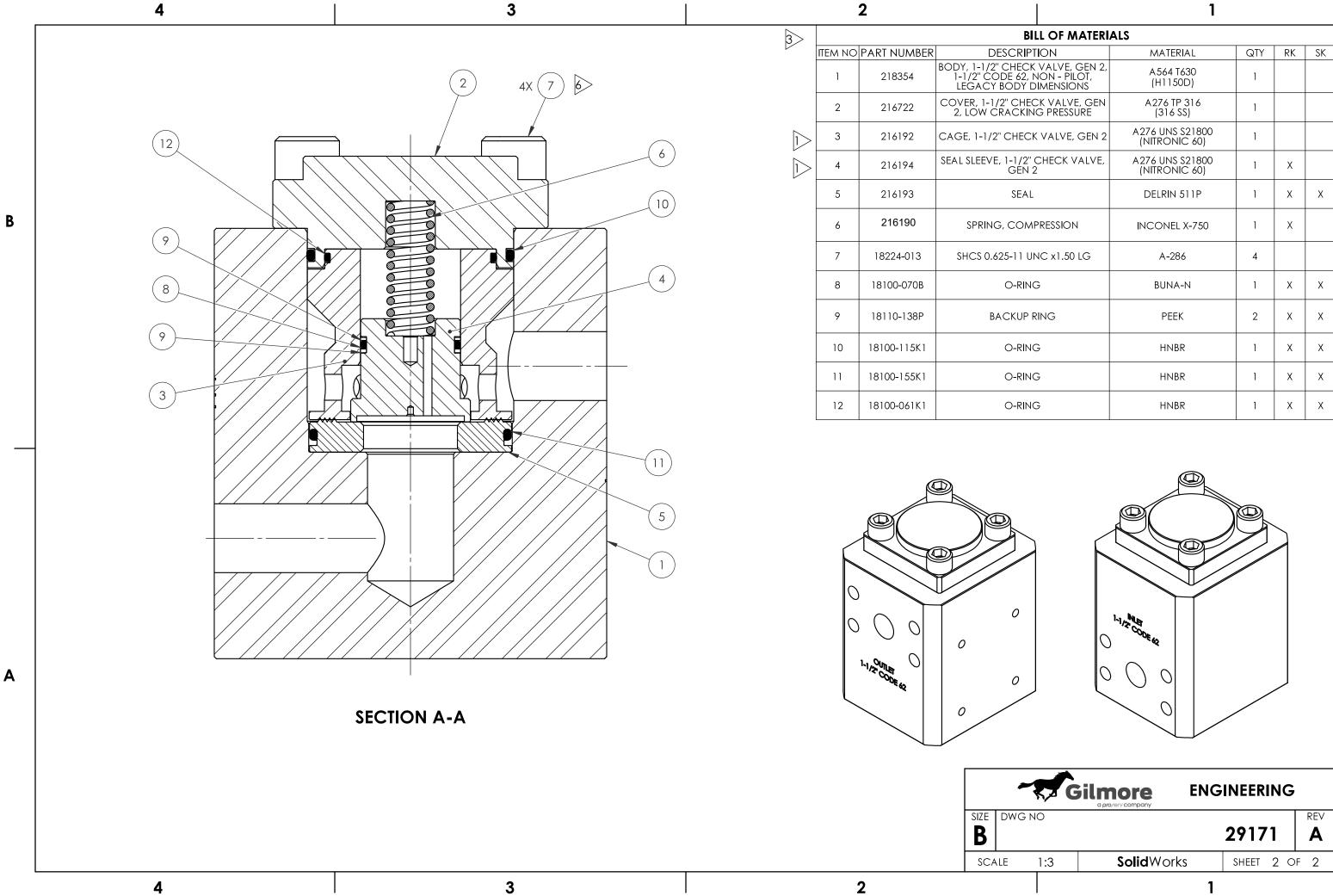
В

Α

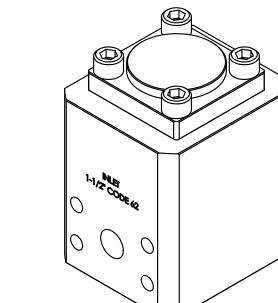
Т

	4		3			2				
В	 NOTES: MARKING: MARK COMPONENT WITH ASSEM AS SHOWN ON THE COMPONENT DRAWING MARKING: MARK AS SHOWN USING LASER COMPUTER CONTROLLED DOT PEEN MARKIN .06 HIGH MIN CHARACTERS. ALL METAL ITEMS ARE PASSIVATED 4. 'X' IN THE BOM DEPICTS PARTS IN REPAIR KIT AND SEAL KIT 29171 SK. FOR ASSEMBLY PROCEDURE SEE 50335, FOR STANDARD FAT PROCEDURE SEE 50336, FOR STANDARD FAT PROCEDURE SEE 50337, FOR MAINTENANCE MANUAL SEE 51034. LOCTITE 242 (BLUE) AND TORQUED ITEM 7 CAPSCREWS TO 100 FT-LB 	ETCH OR NG MACHINE,		PRESSURE DATA MAXIMUM SUPPLY PF CRACKING PRESSUR FLOW DATA MAX FLOW CAPACIT CV (CALC): CONNECTION INLET: OUTLET:	E: 4 TY: 1-1/2	15 2" CODE 42	TEMPER/ FLUIDS:	ERN /ECO NUMBER ERN 02466 AL DATA (WEIGHT: ATURE RANGE: +3 - WATER BASED D CONTROL FLUID - MINERAL OIL BA CONTROL FLUID ERVICEABLE	JZ 2°F TO · RILLING SED DRI	;
A	(4.25) (3.53) (4.25) (3.53) (5.06) (4.25) (3.53) (5.06) (5.06) (4.25) (3.53) (5.06)	.88)	(2.76) (5.70)	RIAL: PARTS IN BOM DITION: TMENT:	(1.75) DIMENSIONS AN IN INCHES PER A UNLESS OTHERW 1) TOLERANCES: 	X: ±.1 XX: ±.01 XX: ±.005 LES: ±.5° ENGINEER RE: 63∕ URES SHALL BE O ERN NUMB DGES.010 SHALL BE.016 MAX THE INFORMA SOLE PROPERT	APPRO JZ BY MC ER O24 TION CONTAIN Y OF GILMORE V	DATE 4/27/21 A-27-21 A-27-21 DATE 4/28/21 DATE 66 3/20/21		LEG

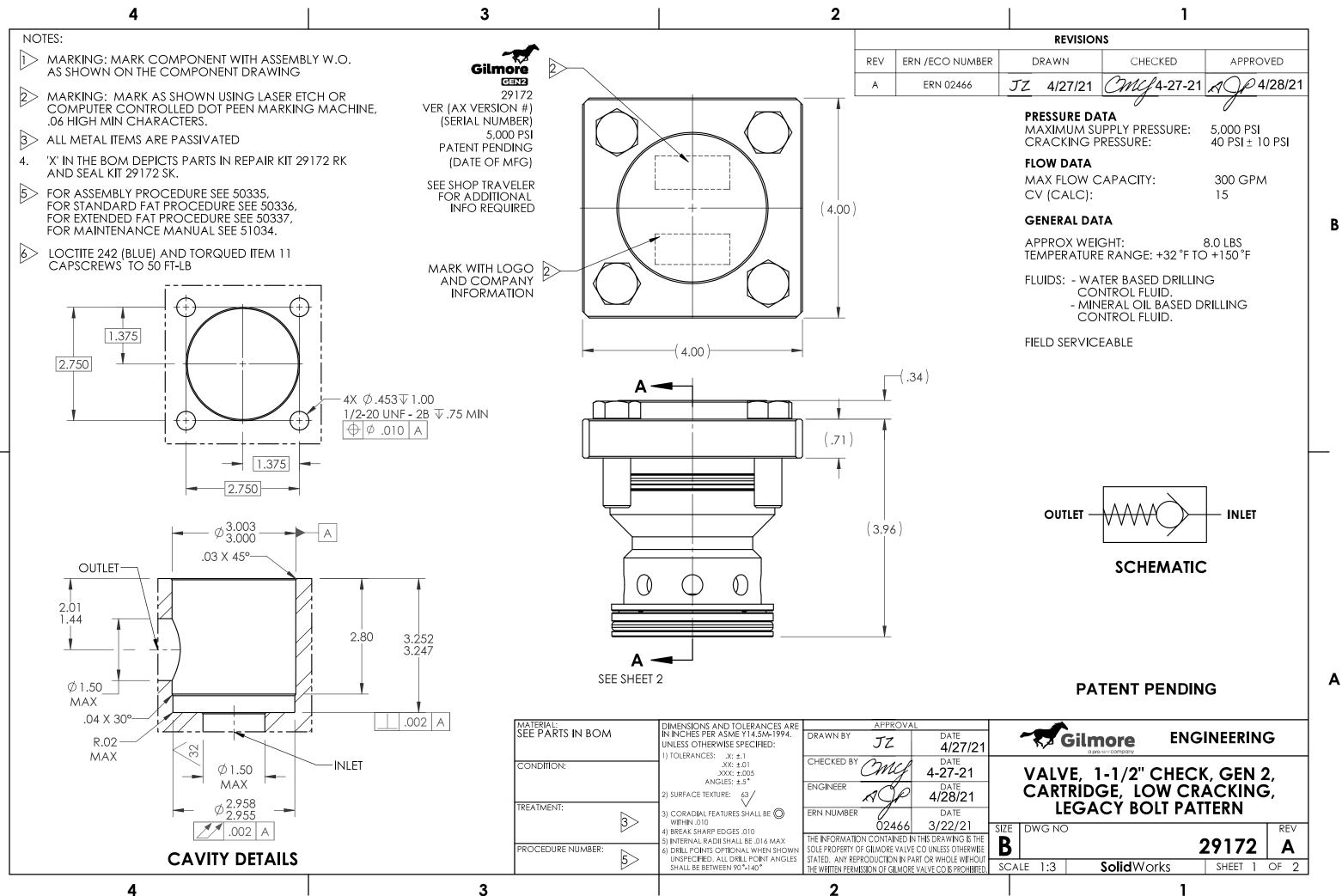




	I			
BILL OF MATERI	ALS			
CRIPTION	MATERIAL	QTY	RK	SK
HECK VALVE, GEN 2, 62, NON - PILOT, DY DIMENSIONS	A 564 T630 (H1150D)	1		
CHECK VALVE, GEN CKING PRESSURE	A276 TP 316 (316 SS)	1		
HECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	1		
1/2" CHECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	1	х	
SEAL	DELRIN 511P	1	х	х
COMPRESSION	INCONEL X-750	1	Х	
11 UNC x1.50 LG	A-286	4		
-RING	BUNA-N	1	х	Х
KUP RING	PEEK	2	x	x
-RING	HNBR	1 X		Х
-RING	HNBR	1	x	х
-RING	HNBR	1	х	Х



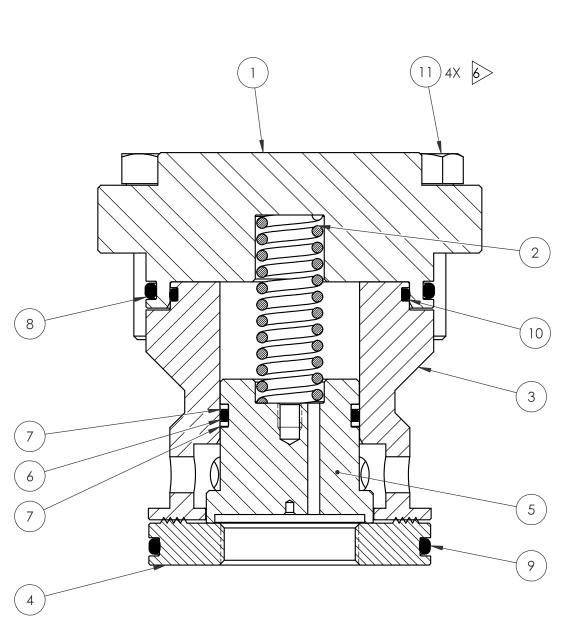
В



В

Α

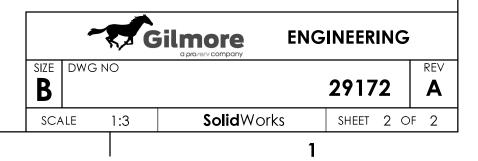
	4	2		1			
3			BILL OF MATER	IALS			
	ITEM NO	PART NUMBER	DESCRIPTION	MATERIAL	QTY	RK	SK
	1	218355	COVER, 1-1/2" CHECK VALVE, GEN 2, LOW CRACKING PRESSURE, LEGACY BOLT PATTERN	A 276 TP 316 (316 SS)	1		
	2	216190	SPRING, COMPRESSION, 1-1/2" CHECK VALVE, GEN 2	INCONEL X-750	1	x	
1>	3	216192	CAGE, 1-1/2" CHECK VALVE, GEN	2 A276 UNS S21800 (NITRONIC 60)	1		
	4	216193	SEAL, 1-1/2" CHECK VALVE, GEN 2	DELRIN 511P	1	x	x
1>	5	216194	SEAL SLEEVE, 1-1/2" CHECK VALVE GEN 2	, A276 UNS S21800 (NITRONIC 60)	1	х	
	6	18100-070B	O-RING	BUNA-N	1	x	х
	7	18110-138P	BACKUP RING	PEEK	2	x	x
	8	18100-115K1	O-RING	HNBR	1	x	x
	9	18100-155K1	O-RING	HNBR	1	x	х
	10	18100-061K1	O-RING	HNBR	1	x	х
	11	209008	HHCS 0.5-20 UNF x1-5/8" LG	API 6ACRA 140K	4		



3

SECTION A-A SCALE 1 : 1





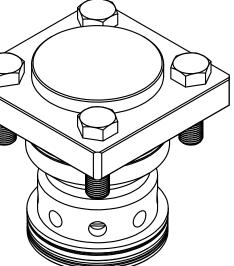
4

4

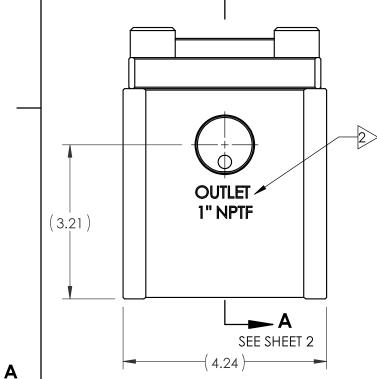
В

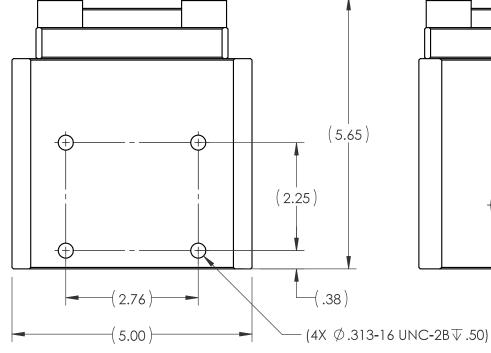
Α

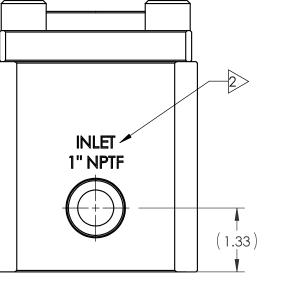
В

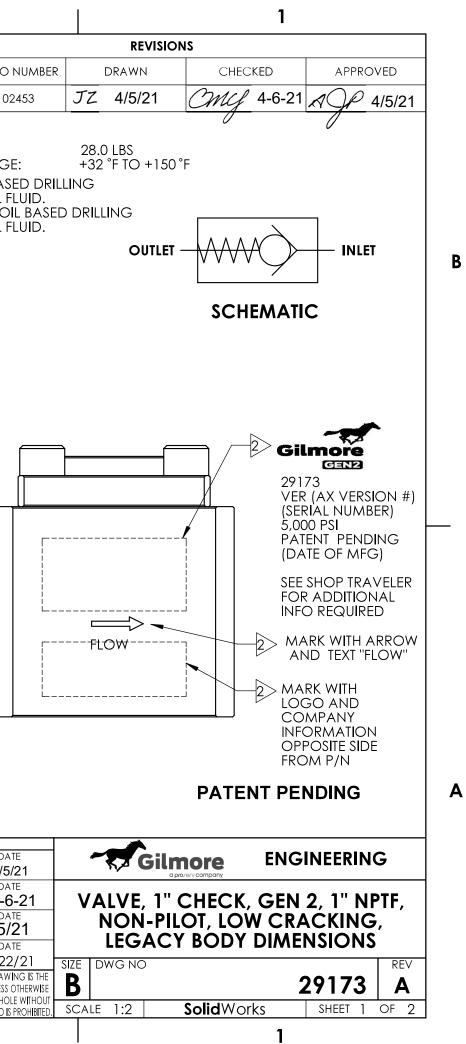


4		3			2			
 NOTES: MARKING: MARK COMPONENT WITH ASSEM AS SHOWN ON THE COMPONENT DRAWING MARKING: MARK AS SHOWN USING LASER COMPUTER CONTROLLED DOT PEEN MARKI .06 HIGH MIN CHARACTERS. ALL METAL ITEMS ARE PASSIVATED Y' IN THE BOM DEPICTS PARTS IN REPAIR KIT AND SEAL KIT 29173 SK. FOR ASSEMBLY PROCEDURE SEE 50335, FOR STANDARD FAT PROCEDURE SEE 50336, FOR EXTENDED FAT PROCEDURE SEE 50337, FOR MAINTENANCE MANUAL SEE 51034. LOCTITE 242 (BLUE) AND TORQUED ITEM 7 CAPSCREWS TO 100 FT-LB 	G ETCH OR NG MACHINE, 29173 RK		PRESSURE DATA MAXIMUM SUPPLY PRESSUR CRACKING PRESSURE: FLOW DATA MAX FLOW CAPACITY: CV (CALC): CONNECTION INLET: OUTLET:	RE: 5,000 PSI 40 PSI ± 10 PSI 200 GPM 9 1'' NPTF 1'' NPTF	API TEN FLU	лре́Rati JIDS: - V С - Л С	ERN /ECO NI ERN 024 DATA VEIGHT: URE RANGE: WATER BASEI CONTROL FLU VINERAL OIL CONTROL FLU /ICEABLE	53 D DRII UID. BASE
]	

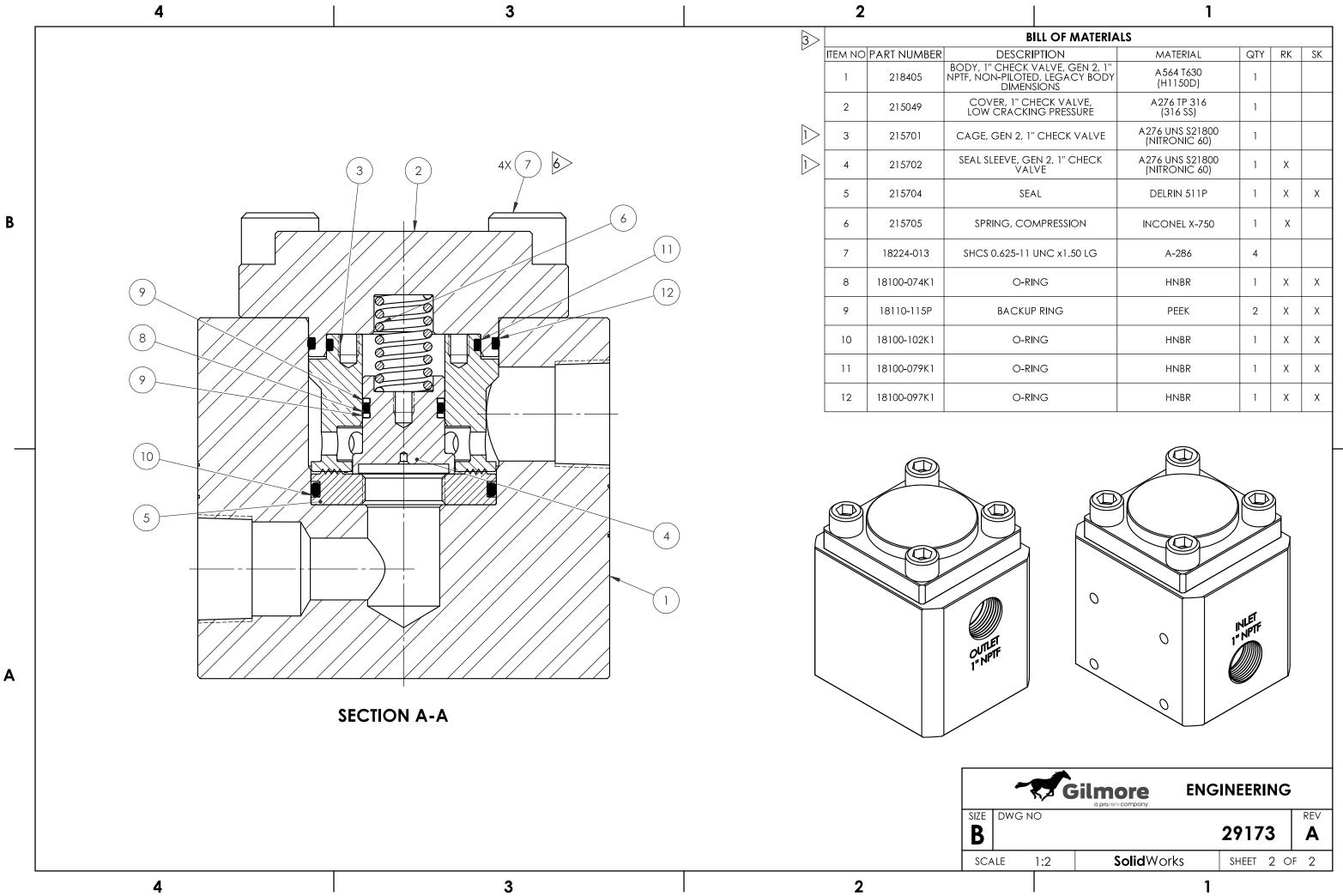








MATERIAL:		dimensions and tolerances are	APPROVAL		
SEE PARTS IN BOM		IN INCHES PER ASME Y14.5M-1994.	DRAWN BY	DATE	
			JZ	4/5/21	
CONDITION:		1) TOLERANCES: X: ±.1 .XX: ±.01 .XXX: ±.005 ANGLES: ±.5°	CHECKED BY	, DATE 4-6-21	
TREATMENT:		2) SURFACE TEXTURE: 63		DATE 4/5/21	
	3>	3) CORADIAL FEATURES SHALL BE () WITHIN .010 4) BREAK SHARP EDGES .010	ERN NUMBER 02453	DATE 3/22/21	
	5>	 INTERNAL RADII SHALL BE .016 MAX INTERNAL RADII SHALL BE .016 MAX DRILL POINTS OPTIONAL WHEN SHOWN UNSPECIFIED, ALL DRILL POINT ANGLES SHALL BE BETWEEN 90°-140° 	THE INFORMATION CONTAINED I SOLE PROPERTY OF GILMORE VALV STATED. ANY REPRODUCTION IN P THE WRITTEN PERMISSION OF GILMOR	e CO UNLESS OTHERWISE ART OR WHOLE WITHOUT	
			_		

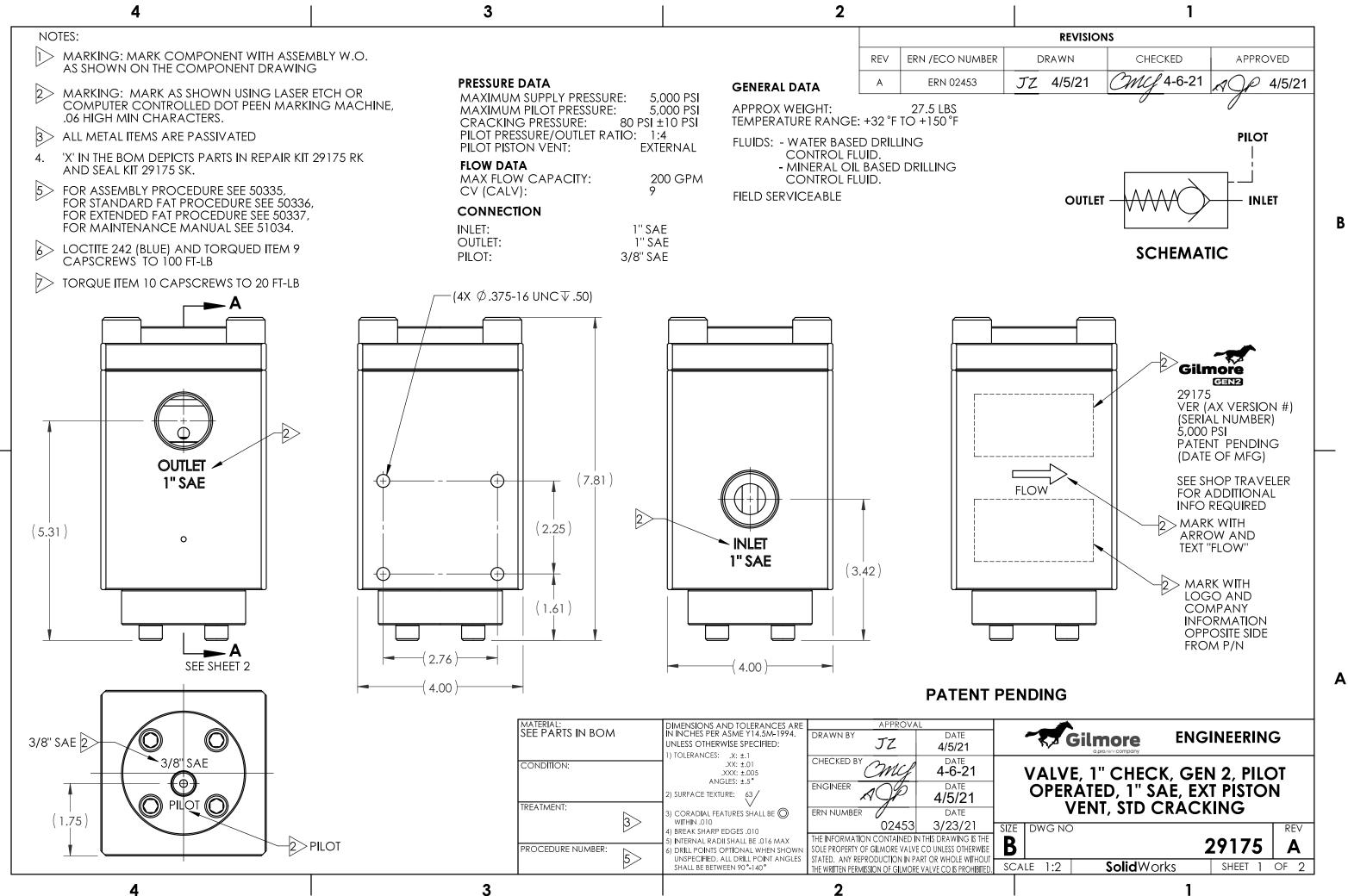


	RK	SK
1	RK	SK
1		
))) 1		
))) 1	Х	
1	х	Х
50 1	x	
4		
1	Х	Х
2	х	Х
1	Х	Х
1	х	Х
1	х	Х
)) 1)) 1)) 1 in 1 in 2 in 1 in 1	00 1 00 1 1 X 1 X 50 1 4 1 X 2 X 1 X 1 X

В

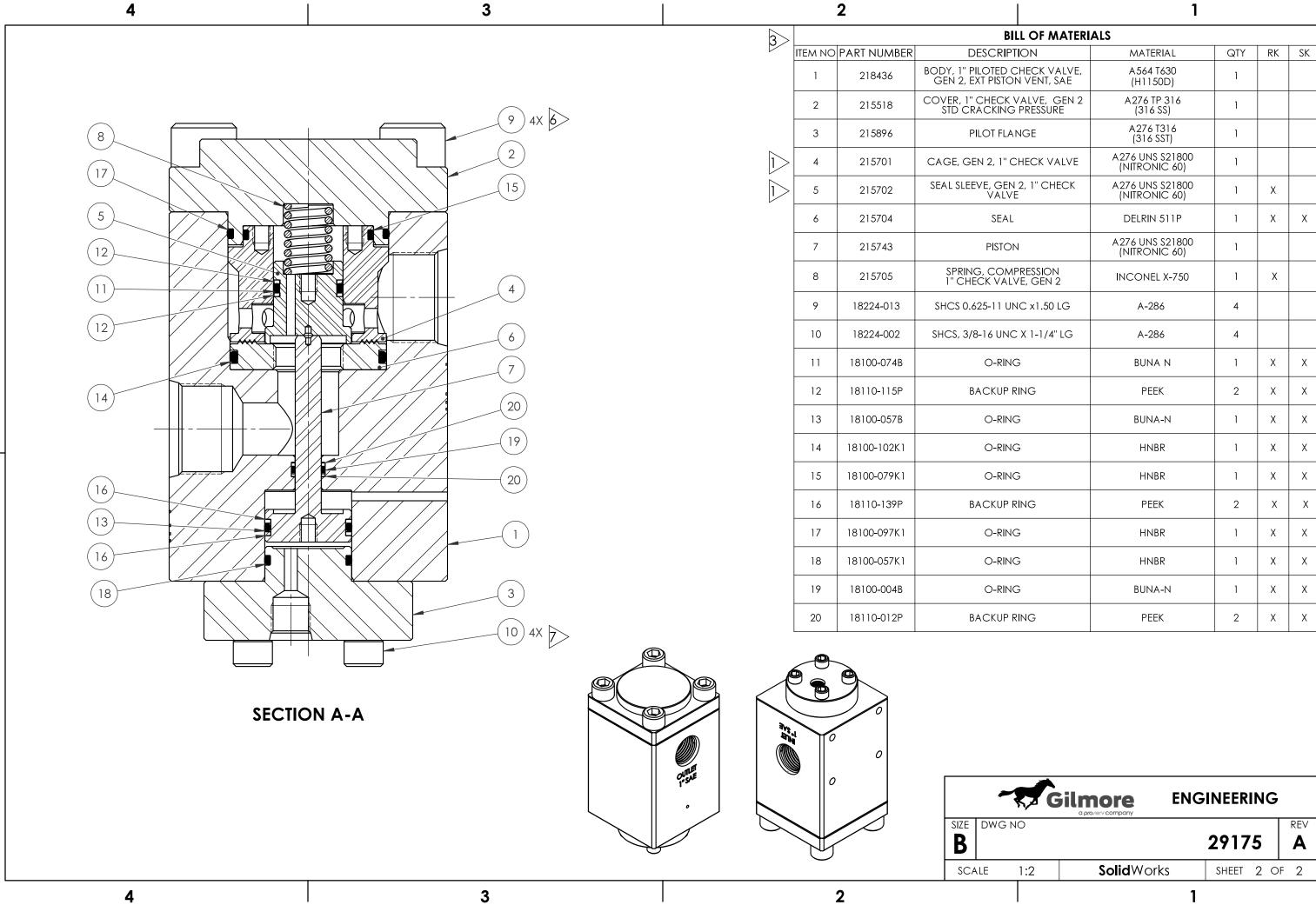
Α

-



В

Α



В

Α

	1			
BILL OF MATERI	ALS			
CRIPTION	MATERIAL	QTY	RK	SK
TED CHECK VALVE, PISTON VENT, SAE	A 564 T630 (H1150D)	1		
ECK VALVE, GEN 2 KING PRESSURE	A276 TP 316 (316 SS)	1		
T FLANGE	A 276 T316 (316 SST)	1		
2, 1" CHECK VALVE	A276 UNS S21800 (NITRONIC 60)	1		
GEN 2, 1" CHECK /ALVE	A276 UNS S21800 (NITRONIC 60)	1	x	
SEAL	DELRIN 511P	1	x	x
ISTON	A276 UNS S21800 (NITRONIC 60)	1		
Compression Valve, gen 2	INCONEL X-750	1	Х	
11 UNC x1.50 LG	A-286	4		
5 UNC X 1-1/4" LG	A-286	4		
)-RING	buna n	1	х	х
KUP RING	PEEK	2	Х	х
)-RING	BUNA-N	1	Х	х
)-RING	HNBR	1	Х	х
)-RING	HNBR	1	Х	x
KUP RING	PEEK	2	Х	x
)-RING	HNBR	1	x	Х
)-RING	HNBR	1	х	х
)-RING	BUNA-N	1	х	х
KUP RING	PEEK	2	Х	х

В