

Tulsa Gas Technologies, Inc.
 4809 S. 101st. E. Ave.
 Tulsa, OK 74146
 918-665-2641

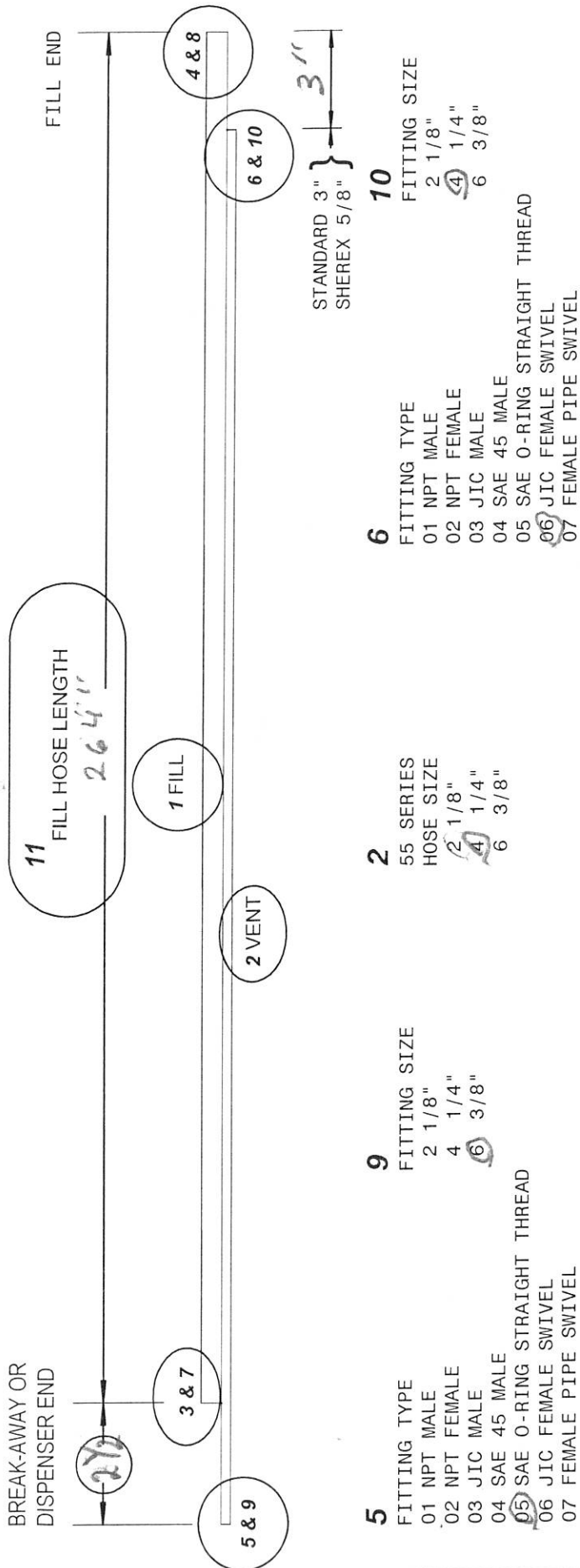
Disp. Serial # 23011362 - 23011371
 Customer Name TRILLIUM
 Customer PO 4500 108153
 Date Required 1/16/2023

ASSEMBLY/CERTIFICATION SHEET

		SIGN	DATE
1	X Review shop work order versus customer print and history	<u>CL</u>	<u>1/16/2023</u>
2	X Component part numbers: _____ Pack dates and/or QC codes <u>9219214453</u>	<u>CL</u>	<u>1/6/203</u>
3	X ID band number <u>5CNG6/520N4-0501/0506-68/64264</u>	<u>CL</u>	<u>1/6/2023</u>
4	X Hose Cut Length <u>264"</u>	<u>CL</u>	<u>1/16/20223</u>
5	Pre-expansion of hose (if required) Size _____ Remarks: _____		
6	X Audit and mark appropriate insertion depth	<u>CL</u>	<u>1/16/2023</u>
7	Add special accessories _____ Remarks: _____		
8	X Apply danger tag and ID band		
9	X Install bend restrictors Remarks: _____	<u>CL</u>	<u>1/16/2023</u>
10	X Assemble fittings; check insertion depth Remarks: _____	<u>CL</u>	<u>1/16/2023</u>
11	Set offset angle and/or orientation Remarks: _____		
12	X Perform crimp or swage on product/crimp set die-using Parker Catalog 4660, page K58 _____ 1/2) 80C-PO8H _____ 3/8) 80C-PO6H _____ 1/4) 80C-PO4H _____ 1/2) 80C-PO2 X 3/8) 80C-PO6 _____ 3/4) 80C-P12H	<u>CL</u>	<u>1/16/2023</u>
13	Add special accessories after crimping/swaging _____		
14	Perform and record burst test results, if applicable Remarks: _____		
15	Air test, if applicable Test pressure Psi _____ Seconds _____; Pass/Fail (Circle One) Remarks: _____	<u>CL</u>	<u>1/16/2023</u>
16	X Hydrostatic proof test Test pressure Psi <u>10,000</u> Seconds <u>30</u> ; Pass Fail (Circle One) Remarks: <u>Pass Pressure Test</u>	<u>CL</u>	<u>1/16/2023</u>
17	X Flush method water, and then air	<u>CL</u>	<u>1/16/2023</u>
18	X Perform and record conductivity test; Meter <u>Megger Mit200</u> Hose resistance _____ (-) Electrode resistance <u>0.05</u> 0.05	<u>CL</u>	<u>1/16/2023</u>
19	X Final audit: Check boxes for items inspected, as applicable: X Correct hose; X Correct fittings; X Correct customer PN Check swage or crimp diameters: _____ 5CNG-4-55 .580+-05 _____ 5CNG-4-58 .785/.805 x _____ 5CNG-8-58 .900/.920 _____ 5CNG-6-55 .675/.695 \ _____ 5CNG-12-58 1.20/1.22 *****100% VISUAL INSPECT FOR THE FOLLOWING***** X Hose fittings crimped; X Air passes through assembly; X Presence of threads	<u>CL</u>	<u>1/16/2023</u>
20	X Cap and package hose	<u>CL</u>	
21	X)	<u>CL</u>	<u>1/16/2023</u>

16 Hoses 0.05

- 3** FITTING TYPE
01 NPT MALE
02 NPT FEMALE
03 JIC MALE
04 SAE 45 MALE
05 SAE O-RING STRAIGHT THREAD
06 JIC FEMALE SWIVEL
07 FEMALE PIPE SWIVEL
- 7** FITTING SIZE
4 1/4"
6 3/8"
8 1/2"
12 3/4"
- 4** FITTING TYPE
01 NPT MALE
02 NPT FEMALE
03 JIC MALE
04 SAE 45 MALE
05 SAE O-RING STRAIGHT THREAD
06 JIC FEMALE SWIVEL
07 FEMALE PIPE SWIVEL
- 1** 55 SERIES HOSE SIZE
4 1/4"
6 3/8"
8 1/2"
12 3/4"
- 8** FITTING SIZE
4 1/4"
6 3/8"
8 1/2"
12 3/4"



- 5** FITTING TYPE
01 NPT MALE
02 NPT FEMALE
03 JIC MALE
04 SAE 45 MALE
05 SAE O-RING STRAIGHT THREAD
06 JIC FEMALE SWIVEL
07 FEMALE PIPE SWIVEL
- 9** FITTING SIZE
2 1/8"
4 1/4"
6 3/8"
- 2** 55 SERIES HOSE SIZE
2 1/8"
4 1/4"
6 3/8"
- 6** FITTING TYPE
01 NPT MALE
02 NPT FEMALE
03 JIC MALE
04 SAE 45 MALE
05 SAE O-RING STRAIGHT THREAD
06 JIC FEMALE SWIVEL
07 FEMALE PIPE SWIVEL
- 10** FITTING SIZE
2 1/8"
4 1/4"
6 3/8"

WORK ORDER # TR11062224
5CNG16/520N14-0501/0506-68/64-264"

FILL HOSE	
DATE: 07/09/03	1018 645-2641
DESIGNED BY: C. SEWELL	1018 645-2641 FAX: 918 645-2687
DRAWN BY: C.R.S.	CHECKED BY:
DWG. NO.: FILLHOSE 5CNG520N	SCALE: NONE
SHEET NO.: 01	REV.: 2

Tulsa Gas Technologies, Inc.
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 Customer Name TRILLIUM
 Customer PO 4500 108153
 Date Required 1/16/2023

ASSEMBLY/CERTIFICATION SHEET

	SIGN	DATE
1 <input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>ck</u>	<u>1/16/2023</u>
2 <input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes <u>5210202550</u>	<u>ck</u>	<u>1/6/203</u>
3 <input checked="" type="checkbox"/> ID band number <u>5CNG6/ 52074-0506/0106-68/24-24</u>	<u>ck</u>	<u>1/6/2023</u>
4 <input checked="" type="checkbox"/> Hose Cut Length <u>24"</u>	<u>ck</u>	<u>1/16/2023</u>
5 _____ Pre-expansion of hose (if required) Size _____ Remarks: _____		
6 <input checked="" type="checkbox"/> Audit and mark appropriate insertion depth	<u>ck</u>	<u>1/16/2023</u>
7 _____ Add special accessories _____ Remarks: _____		
8 <input checked="" type="checkbox"/> Apply danger tag and ID band		
9 <input checked="" type="checkbox"/> Install bend restrictors Remarks: _____	<u>ck</u>	<u>1/16/2023</u>
10 <input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____	<u>ck</u>	<u>1/16/2023</u>
11 _____ Set offset angle and/or orientation Remarks: _____		
12 <input checked="" type="checkbox"/> Perform crimp or swage on product/crimp set die-using Parker Catalog 4660, page K58 _____ 1/2) 80C-PO8H _____ 3/8) 80C-PO6H _____ 1/4) 80C-PO4H _____ 1/2) 80C-PO2 <input checked="" type="checkbox"/> 3/8) 80C-PO6 _____ 3/4) 80C-P12H	<u>ck</u>	<u>1/16/2023</u>
13 _____ Add special accessories after crimping/swaging		
14 _____ Perform and record burst test results, if applicable Remarks: _____		
15 _____ Air test, if applicable Test pressure Psi _____ Seconds _____; Pass/Fail (Circle One) Remarks: _____	<u>ck</u>	<u>1/16/2023</u>
16 <input checked="" type="checkbox"/> Hydrostatic proof test Test pressure Psi <u>10,000</u> Seconds <u>30</u> ; <u>Pass</u> /Fail (Circle One) Remarks: <u>Reverse Pressure Test</u>	<u>ck</u>	<u>1/16/2023</u>
17 <input checked="" type="checkbox"/> Flush method water, and then air	<u>ck</u>	<u>1/16/2023</u>
18 <input checked="" type="checkbox"/> Perform and record conductivity test; Meter <u>Megger Mit200</u> Hose resistance _____ (-) Electrode resistance <u>0.0\$</u> <u>0.0\$</u>	<u>ck</u>	<u>1/16/2023</u>
19 <input checked="" type="checkbox"/> Final audit: Check boxes for items inspected, as applicable: <input checked="" type="checkbox"/> Correct hose; <input checked="" type="checkbox"/> Correct fittings; <input checked="" type="checkbox"/> Correct customer PN Check swage or crimp diameters: _____ 5CNG-4-55 .580+-.05 _____ 5CNG-4-58 .785/.805 <input checked="" type="checkbox"/> 5CNG-8-58 .900/.920 _____ 5CNG-6-55 .675/.695 <input checked="" type="checkbox"/> 5CNG-12-58 1.20/1.22 *****100% VISUAL INSPECT FOR THE FOLLOWING***** <input checked="" type="checkbox"/> Hose fittings crimped; <input checked="" type="checkbox"/> Air passes through assembly; <input checked="" type="checkbox"/> Presence of threads	<u>ck</u>	<u>1/16/2023</u>
20 <input checked="" type="checkbox"/> Cap and package hose	<u>ck</u>	
21 <input checked="" type="checkbox"/>)	<u>ck</u>	<u>1/16/2023</u>

- 3** FITTING TYPE
 01 NPT MALE
 02 NPT FEMALE
 03 JIC MALE
 04 SAE 45 MALE
 05 SAE O-RING STRAIGHT THREAD
 06 JIC FEMALE SWIVEL
 07 FEMALE PIPE SWIVEL

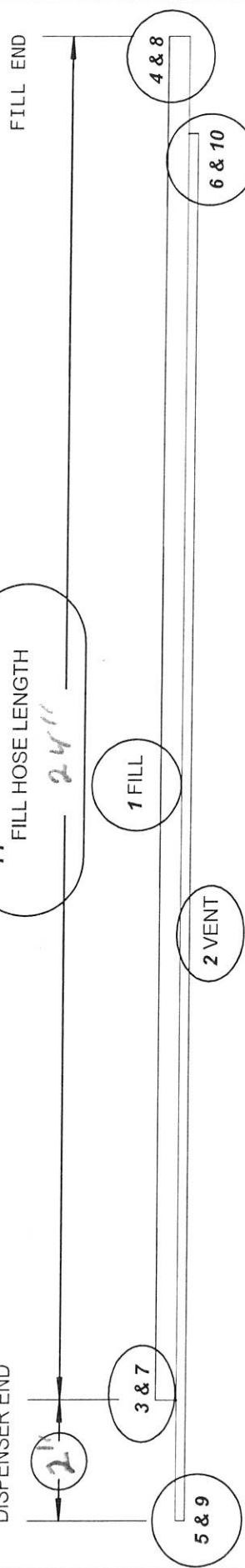
- 7** FITTING SIZE
 4 1/4"
 6 3/8"
 8 1/2"
 12 3/4"

- 1** 55 SERIES HOSE SIZE
 4 1/4"
 6 3/8"
 8 1/2"
 12 3/4"

- 4** FITTING TYPE
 01 NPT MALE
 02 NPT FEMALE
 03 JIC MALE
 04 SAE 45 MALE
 05 SAE O-RING STRAIGHT THREAD
 06 JIC FEMALE SWIVEL
 07 FEMALE PIPE SWIVEL

- 8** FITTING SIZE
 4 1/4"
 6 3/8"
 8 1/2"
 12 3/4"

BREAK-AWAY OR DISPENSER END



5 & 9

3 & 7

1 FILL

2 VENT

6 & 10

4 & 8

- 5** FITTING TYPE
 01 NPT MALE
 02 NPT FEMALE
 03 JIC MALE
 04 SAE 45 MALE
 05 SAE O-RING STRAIGHT THREAD
 06 JIC FEMALE SWIVEL
 07 FEMALE PIPE SWIVEL

- 9** FITTING SIZE
 2 1/8"
 4 1/4"
 6 3/8"

- 2** 55 SERIES HOSE SIZE
 2 1/8"
 4 1/4"
 6 3/8"

- 6** FITTING TYPE
 01 NPT MALE
 02 NPT FEMALE
 03 JIC MALE
 04 SAE 45 MALE
 05 SAE O-RING STRAIGHT THREAD
 06 JIC FEMALE SWIVEL
 07 FEMALE PIPE SWIVEL

- 10** FITTING SIZE
 2 1/8"
 4 1/4"
 6 3/8"

STANDARD 3" SHEREX 5/8" } 0

FILL END

WORK ORDER # TRIL 062222
5CNG - - -

FILL HOSE	
DATE: 01/09/03	DESIGNED BY: C. SEWELL
DRAWN BY: C.R.S.	CHECKED BY: NONE
DWG. NO.: FILLHOSE 5CNG/520N	SHEET NO.: 01
	REV. 2

LUL SA GAS TECHNOLOGIES, INC.
 1017 EAST 18TH STREET
 TULSA, OK 74106
 918-465-2641 FAX: 918-465-2657

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