

CERTIFICATE OF CONFORMANCE
FOR
MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number W/ONMGC031720 NEW MEXICO GAS CO.manufacturing specifications indicated in drawings, bulletins or specifications as called for on the said purchase order. Test reports are on file with us or with our suppliers for examination and indicate conformance with applicable specification requirements. In production items listed, no direct contact was made with mercury, any of its compounds nor with any mercury containing devices employing a single boundary for containment. Tulsa Gas Technologies, Inc. also certifies that the parts listed and shipped on the date indicated are manufactured in accordance with Parker specifications and quality standards, if applicable, as stated on the drawings or specifications called for on said purchase order. All parts and test conform to AGA I-93.

SIGNED BY: c.R. Kendall

TITLE: ASSEMBLY

DATE: 3/17/2020

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

Disp. Serial # w/o nmg-031720
 Customer Name New Mexico Gas Co.
 Customer PO 4500255820
 Date Required 3/17/2020

ASSEMBLY/CERTIFICATION SHEET

		SIGN	DATE
1	<input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CK</u>	<u>3/17/2020</u>
2	<input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes _____ 5216932412	<u>CK</u>	<u>3/17/2020</u>
3	<input checked="" type="checkbox"/> ID band number _____ 5CNG6/5CNG4-0501/0106-64/24-156"	<u>CK</u>	<u>3/17/2020</u>
4	<input checked="" type="checkbox"/> Hose Cut Length _____ 156"	<u>CK</u>	<u>3/17/2020</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>3/17/2020</u>
7	Add special accessories _____ Remarks: _____		
8	<input checked="" type="checkbox"/> Apply danger tag and ID band	<u>CK</u>	<u>3/17/2020</u>
9	<input checked="" type="checkbox"/> Install bend restrictors Remarks: _____	<u>CK</u>	<u>3/17/2020</u>
10	<input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>3/17/2020</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 _____ 1/8) 80C-PO2 <input checked="" type="checkbox"/> 3/8) 80C-PO6 _____ 3/4) 80C-P12H	<u>CK</u>	<u>3/17/2020</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: _____		
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>Passed Pressure test</u>	<u>CK</u>	<u>3/17/2020</u>
17	<input checked="" type="checkbox"/> Flush method water, and then air	<u>CK</u>	<u>3/17/2020</u>
18	<input checked="" type="checkbox"/> Perform and record conductivity test; Meter _____ Megger Mit200 Hose resistance _____ 0 _____ (-) Electrode resistance _____ 0.04 0.04	<u>CK</u>	<u>3/17/2020</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 _____ 5CNG-8-58 .900/.920 <input checked="" type="checkbox"/> 5CNG-6-55 .675/.695 _____ 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>3/17/2020</u>
20	<input checked="" type="checkbox"/> Cap and package hose	<u>CK</u>	<u>3/17/2020</u>
21	<input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>3/17/2020</u>

5216932412

0.04

- 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

- 1 55
- 58 SERIES
- HOSE SIZE
- 4 1/4"
- 6 3/8"
- 8 1/2"
- 10 5/8"
- 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 END



- 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

- 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" 3"

WORK ORDER # AMGC 031720

5CNG 1/520N 4-05 01 / 01 06 - 6 4 / 2 4 - 156"

FILL HOSE

DATE 03/27/97
DESIGNED BY G. SEWELL
DRAWN BY C.R.S.

THE SAE GROUP, INC.
1100 SAE DRIVE
TULSA, OK 74140
918 955-2641 FAX 918 955-2957
CHECKED BY
SCALE NONE

CERTIFICATE OF CONFORMANCE
FOR
MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number W/ONMGC031720 NEW MEXICO GAS..manufacturing specifications indicated in drawings, bulletins or specifications as called for on the said purchase order. Test reports are on file with us or with our suppliers for examination and indicate conformance with applicable specification requirements. In production items listed, no direct contact was made with mercury, any of its compounds nor with any mercury containing devices employing a single boundary for containment. Tulsa Gas Technologies, Inc. also certifies that the parts listed and shipped on the date indicated are manufactured in accordance with Parker specifications and quality standards, if applicable, as stated on the drawings or specifications called for on said purchase order. All parts and test conform to AGA I-93.

SIGNED BY: C. R. Kendall

TITLE: ASSEMBLY

DATE: 4/6/2020

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

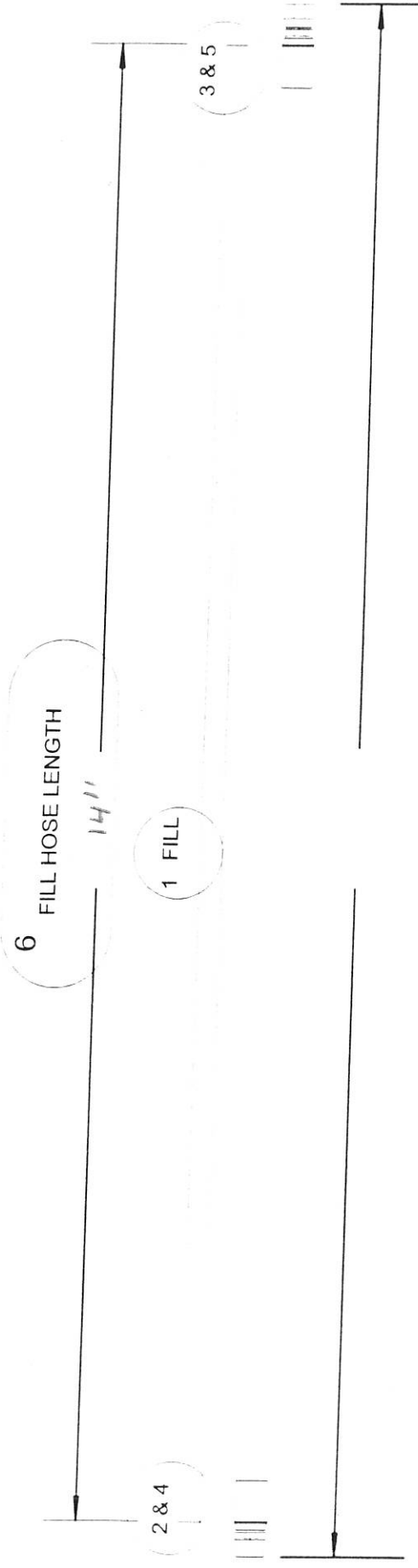
Disp. Serial # W/O NMGC031720
 Customer Name NEW MEXICO GAS
 Customer PO 4500255820
 Date Required 4/6/2020

ASSEMBLY/CERTIFICATION SHEET

		SIGN	DATE
1	<input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CK</u>	<u>4/6/2020</u>
2	<input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes _____ 5200419201	<u>CK</u>	<u>4/6/2020</u>
3	<input checked="" type="checkbox"/> ID band number _____ 5CNG6-0101-44-14"	<u>CK</u>	<u>4/6/2020</u>
4	<input checked="" type="checkbox"/> Hose Cut Length _____ 14"	<u>CK</u>	<u>4/6/2020</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>4/6/2020</u>
7	Add special accessories _____ Remarks: _____		
8	<input checked="" type="checkbox"/> Apply danger tag and ID band	<u>CK</u>	<u>4/6/2020</u>
9	<input checked="" type="checkbox"/> Install bend restrictors Remarks: _____	<u>CK</u>	<u>4/6/2020</u>
10	<input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>4/6/2020</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 _____ 1/8) 80C-PO2 <input checked="" type="checkbox"/> 3/8) 80C-PO6 _____ 3/4) 80C-P12H	<u>CK</u>	<u>4/6/2020</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: _____		
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>Pass Pressure Test</u>	<u>CK</u>	<u>4/6/2020</u>
17	<input checked="" type="checkbox"/> Flush method water, and then air	<u>CK</u>	<u>4/6/2020</u>
18	<input checked="" type="checkbox"/> Perform and record conductivity test; Meter _____ Megger Mit200 Hose resistance _____ 0 _____ (-) Electrode resistance _____ 0.01 0.01	<u>CK</u>	<u>4/6/2020</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 _____ 5CNG-8-58 .900/.920 <input checked="" type="checkbox"/> 5CNG-6-55 .675/.695 _____ 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>4/6/2020</u>
20	<input checked="" type="checkbox"/> Cap and package hose	<u>CK</u>	<u>4/6/2020</u>
21	<input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>4/6/2020</u>

5200419201

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



WORK ORDER #

5CNG 6-01-01-44-14"

FILL HOSE

DATE 031715
 DESIGNED BY C SEWELL
 DRAWN BY C R S
 DWG NO Short Fillhose.dwg
 SHEET NO OF 1

CERTIFICATE OF CONFORMANCE
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Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number W/ONMGC031720 NEW MEXICO GAS CO.manufacturing specifications indicated in drawings, bulletins or specifications as called for on the said purchase order. Test reports are on file with us or with our suppliers for examination and indicate conformance with applicable specification requirements. In production items listed, no direct contact was made with mercury, any of its compounds nor with any mercury containing devices employing a single boundary for containment. Tulsa Gas Technologies, Inc. also certifies that the parts listed and shipped on the date indicated are manufactured in accordance with Parker specifications and quality standards, if applicable, as stated on the drawings or specifications called for on said purchase order. All parts and test conform to AGA I-93.

SIGNED BY: *c. R. Kendall*

TITLE: ASSEMBLY

DATE: 3/17/2020

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

Disp. Serial # W/ONMGC031720
 Customer Name NEWMEXICO GAS CO.
 Customer PO 450255820
 Date Required 3/17/2020

ASSEMBLY/CERTIFICATION SHEET

		SIGN	DATE
1	<input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CK</u>	<u>3/17/2020</u>
2	<input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes _____ 5216932412	<u>CK</u>	<u>3/17/2020</u>
3	<input checked="" type="checkbox"/> ID band number _____ 5CNG6/5CNG4-0501/0106-68/24-24"	<u>CK</u>	<u>3/17/2020</u>
4	<input checked="" type="checkbox"/> Hose Cut Length _____ 24"	<u>CK</u>	<u>3/17/2020</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>3/17/2020</u>
7	Add special accessories _____ Remarks: _____		
8	<input checked="" type="checkbox"/> Apply danger tag and ID band	<u>CK</u>	<u>3/17/2020</u>
9	<input checked="" type="checkbox"/> Install bend restrictors Remarks: _____	<u>CK</u>	<u>3/17/2020</u>
10	<input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>3/17/2020</u>
11	Set offset angle and/or orientation Remarks: _____		
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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: _____		
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>Pressure Pressure Test</u>	<u>CK</u>	<u>3/17/2020</u>
17	<input checked="" type="checkbox"/> Flush method water, and then air	<u>CK</u>	<u>3/17/2020</u>
18	<input checked="" type="checkbox"/> Perform and record conductivity test; Meter _____ Megger Mit200 Hose resistance _____ 0 _____ (-) Electrode resistance _____ 0.01	<u>CK</u>	<u>3/17/2020</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 _____ 5CNG-8-58 .900/.920 <input checked="" type="checkbox"/> _____ 5CNG-6-55 .675/.695 _____ 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>3/17/2020</u>
20	<input checked="" type="checkbox"/> Cap and package hose	<u>CK</u>	<u>3/17/2020</u>
21	<input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>3/17/2020</u>

0.01

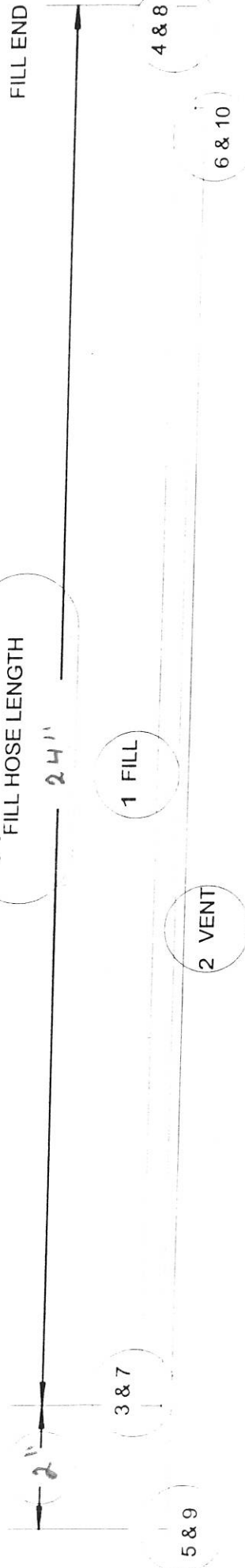
- 3 FITTING TYPE
- 01 NPT MALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAE 45 MALE
- 05 SAE O-RING STRAIGHT THREAD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

- 1 58 SERIES HOSE SIZE
- 4 1/4"
- 6 3/8"
- 8 1/2"
- 10 5/8"
- 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 END



FILL END

- 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

- 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

STANDARD 3" SHEREX 5/8"

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

WORK ORDER # 1 MG 60 31720

5CNG 6/520N 4-05 01/01 06-68/24-24

FILL HOSE

DATE 03/27/97
DESIGNED BY C. SEWELL
DRAWN BY C.R.S.

THE SARGAS TECHNICAL OFFICE, INC.
10117 EAST 40TH STREET
TULSA, OK 74146
918 685 2641 FAX 918 685 2657
CHECKED BY
SCALE NONE