STD LR 90ELL WPB 18; HEATREDAMNATERIAL TEST REPORT Trinity Fitting Group Inc. 100×001 Hackney * Ladish * Flo-Bend P.O. Box 568887 - 2525 Stemmons Freeway - Dallas, TX 75356 - 8887 Phone: (214) 589-8177 Fax: (214) 589-8892 BPCS Order Number: 04-1064 (281807-006) DOC #00166453 04/12/16 Date: 12/17/04 Sold to: GFF INC Ship to: GFF, INC. 5650 EAST PONCE DE LEON 5650 PONCE DE LEON AVE STONE MOUNTAIN GA 30083 STONE MOUNTAIN GA Heat Code Quantity Description / Specifications RE04RX 18 STD LR 90 DEG EL A/SA 234 - 03 A106B 48 16685 AS ROLLED - HOT FORMED NACE MR0175 RE04RW 18 STD LR 90 DEG EL A/SA 234 - 03 A106B 55 16683 AS ROLLED NACE MR0175 RL04MT 18 STD LR 90 DEG EL A/SA 234 - 03 WPB A106B 55 18925 AS ROLLED/ HOT FORMED NACE MR0175 RLO4MC 18 XH LR 90 DEG EL A/SA 234 - 03 Y56 48 18749 AS ROLLED - HOT FORMED NACE MR0175 Chemical Analysis Heat Code Test Mn S Si Cu Ni Cr Mo Al RE04RX M .180 1.010 .012 .002 .250 .013 .070 .100 .040 .0200 RE04RW .180 1.030 .011 .002 .220 .119 .070 .100 .030 .0200 RL04MT .170 1.020 .011 .002 .230 .016 .070 .070 .050 .0200 RL04MC .140 1.270 .009 .001 .230 .149 .050 .040 .065 .0240 Chemical Analysis (cont.) Heat Code B Ti Cb Sn Pb Co CE RE04RX .000 .0000 .000 .010 .381 RE04RW .000 .0000 .0000 .000 .009 .390 RL04MT .0000 .000 .0000 .0000 .000 .011 .369 RL04MC .058 .0000 .006 .008 .397 Physical Properties Tensile KSI Type Thickness Yield KSI % Elong. Heat Code (4D) & RA Hardness HB RE04RX 76.6 54.3 42.0 197 RE04RW 78.3 54.3 44.0 197 RL04MT 75.3 53.3 43.0 149 RL04MC 82.6 53.4 46.0 169 Charpy Results Size x 10mm Type Temp. (F) Foot Pounds Later. Expansion Heat Code RE04RX RE04RW RL04MT RL04MC Test: M=Mill Product

We certify that the material herein described has been manufactured, heat treated, sampled, tested, and inspected in accordance with the above standards and specifications and satisfies those requirements. We certify these flanges and fittings capable of passing a hydrostatic test compatible with their rating. The above figures are correct as contained in the records of the

Company. This information has been electronically transmitted to our customer.

Type: