



Note:  
Bore Finishes  
At Final Assembly

**Segmental Girder Flange**  
G4004-103-Pb  
PL 1/2 x 11 1/2 x 198 7/16"  
Steel, Structural, ASTM A709, Gr.50-T2  
1 Required

**Trunion Hub**  
G4004-103-01  
Trunion Casting  
ASTM A148 Gr. 105-85  
1 - Required

**Gusset Plate**  
G4004-103-Pa  
PL 9/16 x 10 15/16 x 11 11/16 in  
Steel, Structural, ASTM A709, Gr.50-T2  
2 Required

**Upper Strut W10x54**  
G4004-103-Wa  
W10x54 x 227 3/4 in  
Steel, Structural, ASTM A709, Gr.50-F2  
1 Required

**Lower Strut W10x54**  
G4004-103-Wb  
W10x54 x 227 3/4 in  
Steel, Structural, ASTM A709, Gr.50-F2  
1 Required

**DETAIL A**  
SCALE 1/8  
TYP. BOTH ENDS

**G4004-103-Pb Flat Pattern**

**DETAIL C**  
SCALE 1/4

**DETAIL E**  
SCALE 1/4

**SECTION D-D**  
SCALE 1/4

**SECTION F-F**  
SCALE 1/4

- Quantity Note:**
- 1.) See G4004-103-Sht1 for BOM.
  - 2.) Quantities Shown in BOM are Required to Build (1) Lock 27 Culvert Weldment
  - 3.) Quantities Shown at Each Part Detail are Required to Build (1) Lock 27 Culvert Weldment

0 03/20/09 JDP		RELEASED TO SHOP	
A 02/19/09 RJW	Approval		
Rev	Date	By	Explanation
<b>G &amp; G STEEL, Inc.</b>			
15825 Hwy 241 - Russellville, AL 35661 - Phone (256) 332-6652 Fax (256) 332-0143 www.GGSteel.com			
<b>Lock 27 Culvert Valve Side Strut Part Details</b>			
Scale:	Contract No.:	Drawing Number	
Drawn by: RWesson	Approved by:	G4004-103-Sht2	
Date: 1/5/2009	Weight: See Sheet 1	Sheet 2 of 2	
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