

**LB FOSTER CO Precise Structural Products**  
**Welding Procedure Specification**

Page 1 of 2  
 3476-01

Material Spec. ASTM A709 G36, G50 & G50W

Welding Process(es) SMAW

Position of Welding 1F, 2F, 3F, 4F

Manual  Machine  Semi-Automatic  Automatic

Filler Metal Specification AWS A5.1

Filler Metal Classification E7018

Flux N/A

Shielding Gas N/A Gas Flow Rate N/A

Single or Multiple Pass Single

Single or Multiple Arc SINGLE

Welding Current REVERSE

Polarity: AC  DCEP  DCEN  Pulsed

Welding Progression Up  Down

Root Treatment CLEAN AS TO REMOVE CONTAMINANTS

Preheat Temperature N/A Interpass Temperature N/A

Postheat Treatment N/A

Heat Input Min N/A Max N/A

**WELDING PROCEDURE**

Pass No.	Electrode Size	Amperes	Volts	Travel Speed	Other	Joint Detail
ALL	3/32	120-150				
ALL	1/8	140-180				
ALL	5/32	160-210				
ALL	3/16	190-250				

This procedure may vary due to fabrication sequence, fit-up, pass size, etc., within the limitation of variables given in Section 5.

Procedure No. 1 TACK WELD Contractor \_\_\_\_\_

Revision No. \_\_\_\_\_ Authorized By WALTER J. BORKOWSKI Date 12/31/2008