

## **Pertinent Information Contained in The Power Course**

**Note:** The Power Course is a boxed set of books, manuals and welding calculators.

### ***Welding Preheat Information***

#### **GTAW (TIG) book**

29 Paragraph discussion oxy-acet preheat

### ***Alloy Elements Affects on Steel***

#### **GMAW (MIG) book**

53 Listing of alloy elements added to filler rods with description

### ***Shielding Gas MIG & TIG***

#### **GTAW (TIG) book**

41 Discussion – argon/helium

43 Post & pre flow – contamination of oxygen/hydrogen discussion

#### **GMAW (MIG) book**

139-140 Discussion on uses of Mig shielding gas (*see chart*)

### ***Welding Electrode Filler Rods***

#### **GMAW (MIG) book**

51-52 Common steel wire descriptions

53 Common steel wire chemical composition (*see chart*)

What commonly added elements do to weld characteristics

57 Aluminum wire chemical composition (*see chart*)

59 Difference between ER70S-3 & ER70S-6 & 7

119 Use of deoxidizers – best rod ER70S-6

141 GMAW – electrode wire same as for TIG

#### **GTAW (TIG) book**

48 MIG same as TIG (GMAW same as GTAW)

49 AWS category numbers

77 AWS category numbers