## Guide to Interpreting Abbreviations on AWS Certified Welder Card

### Example

<table>
<thead>
<tr>
<th>Supplement</th>
<th>Code</th>
<th>Process</th>
<th>Gas (optional)</th>
<th>Filler Metal</th>
<th>Base Metal</th>
<th>Position(s)</th>
<th>Thickness, Backing</th>
<th>- or -</th>
<th>Thickness, Pipe OD &amp; Backing</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>D1.1</td>
<td>GTAW</td>
<td>Ar 100%</td>
<td>ER70S-2</td>
<td>A106B</td>
<td>4G</td>
<td>L: 1/8-3/4&quot;; 4&quot; OD: WB</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>FCAW</td>
<td>CO₂</td>
<td>E71T-1</td>
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</tr>
</tbody>
</table>

### AWS Supplements

- **C**: Sheet Metal Welding (AWS D9.1)
- **F**: Chemical Plant and Petroleum Piping (ASME B31.3 and Sec. IX)
- **G**: Generic Supplement (Company-furnished WPS and acceptance criteria)
- **B2.1**: SWPS

### Codes:

- **B2.1**: AWS B2.1, Standard for Welding Procedure and Performance Qualification
- **D1.1**: AWS D1.1, Structural Welding Code - Steel
- **D1.2**: AWS D1.2, Structural Welding Code - Aluminum
- **D9.1**: AWS D9.1, Sheet Metal Welding Code
- **ASME IX**: ASME Section IX, Qualification Standard for Welding and Brazing Procedures, Welders, Brazers, and Welding and Brazing Operators
- **D15.1**: AWS D15.1, Railroad Welding Specification - Cars and Locomotives
- **API**: API 1104, Welding of Pipelines and Related Facilities
- **CUST**: Other customer may be used as indicated on the employer supplied WPS

*Other standards/codes may be used as indicated on the employer supplied – WPS

### Processes:

- **SMAW**: Shielded Metal Arc Welding (SMAW)
- **GMAW**: Gas Metal Arc Welding (GMAW)
- **GMAW-S**: Gas Metal Arc Welding - Short Circuit
- **FCAW**: Flux Cored Arc Welding (FCAW)
- **GTAW**: Gas Tungsten Arc Welding (GTAW)
- **SAW**: Submerged Arc Welding (SAW)
- **BZ**: Brazing

### Gas:

- **AR**: Argon
- **HE**: Helium
- **Ar/CO₂**: Argon/Carbon Dioxide
- **CO₂**: Carbon Dioxide
- **Other** - specify

### Fillers:

- **ER309-L**: (AWS Classification Number)
- **ER70S-2**: (AWS Classification Number)

### Base Metal:

- **AXXX**: ASTM Designations (i.e., A36)
- **M**: Material Numbers from B2
- **SAXXX**: (SA106, SA105, SA304L, etc.)
- **PX**: (P1, P8, P44, etc.)

### Position:

- **1G**: Groove Weld, Flat
- **2G**: Groove Weld, Horizontal
- **3G**: Groove Weld, Vertical
- **4G**: Groove Weld, Overhead
- **5G**: Groove Weld, (Pipe) Vertical
- **6G**: Groove Weld, (Pipe) 45° Vertical
- **6GR**: Groove Weld, (Pipe) 45° with Restriction Ring
- **1F**: Fillet Weld, Flat
- **2F**: Fillet Weld, Horizontal
- **3F**: Fillet Weld, Vertical
- **4F**: Fillet Weld, Overhead
- **V**: Vertical Progression Up
- **D**: Vertical Progression Down
- **A**: All

### Thickness:

- **U**: Unlimited (ex. 1/8" to Unlimited)
- **L**: Limited (ex. 1/8-3/4")
- **xx-xx**: Range in sheet gauges (ex. 11 - 18)
- **x/x**: Thickness in fractions of an inch (ex. 3/8")
- **SCH**: Schedule listing for pipe thickness (ex. Sch 40)
- **WB**: With backing
- **WOB**: Without backing
- **OD**: Outside Diameter (pipe)