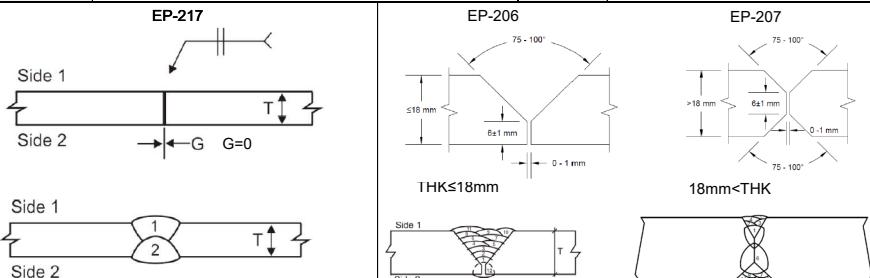
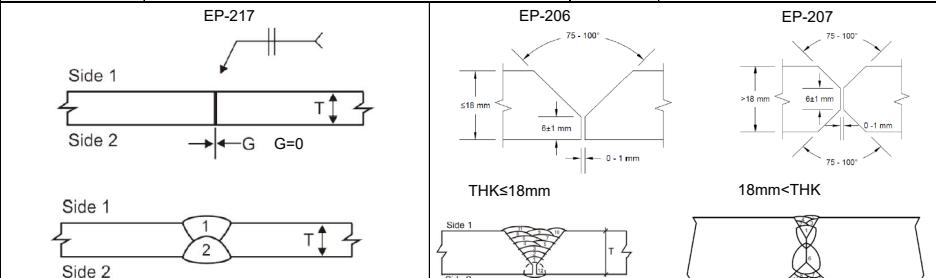


POLAR POCKET WPDS							Pocket-POLAR-07		0	April 17, 2025																																																																																																											
							WPDS No.		Rev.	Date																																																																																																											
 Seaspan Vancouver Shipyards Co. Ltd.							Applicable Standard(s)		Lloyds Register - Rules for the Manufacture, Testing and Certification of Materials 2022																																																																																																												
Process/Mode		Wire/Flux Classification			Brand Name		Manufacturer																																																																																																														
1	SAW	AWS A5.23 : F7A4-EA1-A2			Lincolnweld L-70 / 888		Lincoln Electric																																																																																																														
Material Designation	Base material 1		Base material 2		Min. Preheat / Interpass Temp.	As per VSY Preheat and Interpass Temperature Requirements for Welding																																																																																																															
	EH 36 and all lower toughness grades		EH 36 and all lower toughness grades																																																																																																																		
Delivery Condition(s)		All except QT		All except QT		Max. Interpass Temp.	180°C																																																																																																														
Thickness or Dia		6mm - 100 mm		6mm - 100 mm																																																																																																																	
Nominal Pipe Size		150mm and above		150mm and above		PWHT	N/A																																																																																																														
Welding Position		1G					Joint Design																																																																																																														
 <p>TYPICAL JOINT PREPARATION FOR THK<13mm</p> <table border="1"> <thead> <tr> <th colspan="2">COMPLETE JOINT PENETRATION</th> <th>JOINT TYPE</th> <th>Back Purge</th> <th>N/A</th> <th>Contact Tip to Work Distance</th> <th>20-55 mm</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Back-gouged to sound metal</td> <td><input checked="" type="checkbox"/> BUTT</td> <td><input type="checkbox"/> CORNER</td> <td><input type="checkbox"/> Backing type</td> <td>N/A</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> Welded onto steel backing</td> <td><input type="checkbox"/> LAP</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> Welding Technique</td> <td>Stringer</td> <td><input type="checkbox"/> Shielding Gas</td> <td>N/A</td> </tr> <tr> <td><input type="checkbox"/> Welded form one side without backing</td> <td><input type="checkbox"/> EDGE</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> Max. Bead Width</td> <td>N/A</td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Welded both sides w or w/o back-gouging</td> <td><input type="checkbox"/> EDGE</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> Tungsten Electrode</td> <td>N/A</td> <td><input type="checkbox"/> Gas Flow</td> <td>N/A</td> </tr> <tr> <td><input type="checkbox"/> Welded onto other than steel backing</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> Cleaning</td> <td>Grinding and Wire Wheel</td> <td><input type="checkbox"/> Ciph</td> <td><input type="checkbox"/> Lpm</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Edge Prep</th> <th>BM Thickness (mm)</th> <th>Layers / Passes</th> <th>Position</th> <th>Electrode Size (mm)</th> <th>Welding Process</th> <th>Power Mode</th> <th>Consumable</th> <th>Amperage</th> <th>Voltage</th> <th>WFS (IPM)</th> <th>Travel Speed (IPM)</th> <th>Heat Input kJ/mm</th> </tr> </thead> <tbody> <tr> <td>217</td> <td>6≤T≤14.3</td> <td>Side 1</td> <td>1G</td> <td>3.2 & 4.0</td> <td>SAW</td> <td>CC/DC+</td> <td>F7A4-EA1-A2</td> <td>398 - 688</td> <td>24 - 43</td> <td>45-79</td> <td>18-30</td> <td rowspan="2">Note 4</td> </tr> <tr> <td>217</td> <td>6≤T≤14.3</td> <td>Side 2</td> <td>1G</td> <td>3.2 & 4.0</td> <td>SAW</td> <td>CC/DC+</td> <td>F7A4-EA1-A2</td> <td>417 - 850</td> <td>24 - 43</td> <td>47-91</td> <td>18-30</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>206</th> <th>10<T≤100</th> <th>Side 1 Root</th> <th>1G</th> <th>3.2 & 4.0</th> <th>SAW</th> <th>CC/DC+</th> <th>F7A4-EA1-A2</th> <th>360-838</th> <th>22-41</th> <th>13-55</th> <th>17-34</th> <th rowspan="3">Note 5</th> </tr> </thead> <tbody> <tr> <td>206</td> <td>10<T≤100</td> <th>Side 2 Root</th> <td>1G</td> <td>3.2 & 4.0</td> <td>SAW</td> <td>CC/DC+</td> <td>F7A4-EA1-A2</td> <td>397-900</td> <td>25-41</td> <td>13-55</td> <td>16-29</td> </tr> <tr> <td>206</td> <td>10<T≤100</td> <th>Side 1&2 Fill/Cap</th> <td>1G</td> <td>3.2 & 4.0</td> <td>SAW</td> <td>CC/DC+</td> <td>F7A4-EA1-A2</td> <td>338-825</td> <td>23-40</td> <td>13-55</td> <td>15-36</td> </tr> </tbody> </table>	COMPLETE JOINT PENETRATION		JOINT TYPE	Back Purge	N/A	Contact Tip to Work Distance	20-55 mm	<input checked="" type="checkbox"/> Back-gouged to sound metal	<input checked="" type="checkbox"/> BUTT	<input type="checkbox"/> CORNER	<input type="checkbox"/> Backing type	N/A			<input type="checkbox"/> Welded onto steel backing	<input type="checkbox"/> LAP	<input type="checkbox"/> TEE	<input type="checkbox"/> Welding Technique	Stringer	<input type="checkbox"/> Shielding Gas	N/A	<input type="checkbox"/> Welded form one side without backing	<input type="checkbox"/> EDGE	<input type="checkbox"/> TEE	<input type="checkbox"/> Max. Bead Width	N/A			<input checked="" type="checkbox"/> Welded both sides w or w/o back-gouging	<input type="checkbox"/> EDGE	<input type="checkbox"/> TEE	<input type="checkbox"/> Tungsten Electrode	N/A	<input type="checkbox"/> Gas Flow	N/A	<input type="checkbox"/> Welded onto other than steel backing	<input type="checkbox"/> TEE	<input type="checkbox"/> TEE	<input type="checkbox"/> Cleaning	Grinding and Wire Wheel	<input type="checkbox"/> Ciph	<input type="checkbox"/> Lpm	Edge Prep	BM Thickness (mm)	Layers / Passes	Position	Electrode Size (mm)	Welding Process	Power Mode	Consumable	Amperage	Voltage	WFS (IPM)	Travel Speed (IPM)	Heat Input kJ/mm	217	6≤T≤14.3	Side 1	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	398 - 688	24 - 43	45-79	18-30	Note 4	217	6≤T≤14.3	Side 2	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	417 - 850	24 - 43	47-91	18-30	206	10<T≤100	Side 1 Root	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	360-838	22-41	13-55	17-34	Note 5	206	10<T≤100	Side 2 Root	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	397-900	25-41	13-55	16-29	206	10<T≤100	Side 1&2 Fill/Cap	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	338-825	23-40	13-55	15-36
COMPLETE JOINT PENETRATION		JOINT TYPE	Back Purge	N/A	Contact Tip to Work Distance	20-55 mm																																																																																																															
<input checked="" type="checkbox"/> Back-gouged to sound metal	<input checked="" type="checkbox"/> BUTT	<input type="checkbox"/> CORNER	<input type="checkbox"/> Backing type	N/A																																																																																																																	
<input type="checkbox"/> Welded onto steel backing	<input type="checkbox"/> LAP	<input type="checkbox"/> TEE	<input type="checkbox"/> Welding Technique	Stringer	<input type="checkbox"/> Shielding Gas	N/A																																																																																																															
<input type="checkbox"/> Welded form one side without backing	<input type="checkbox"/> EDGE	<input type="checkbox"/> TEE	<input type="checkbox"/> Max. Bead Width	N/A																																																																																																																	
<input checked="" type="checkbox"/> Welded both sides w or w/o back-gouging	<input type="checkbox"/> EDGE	<input type="checkbox"/> TEE	<input type="checkbox"/> Tungsten Electrode	N/A	<input type="checkbox"/> Gas Flow	N/A																																																																																																															
<input type="checkbox"/> Welded onto other than steel backing	<input type="checkbox"/> TEE	<input type="checkbox"/> TEE	<input type="checkbox"/> Cleaning	Grinding and Wire Wheel	<input type="checkbox"/> Ciph	<input type="checkbox"/> Lpm																																																																																																															
Edge Prep	BM Thickness (mm)	Layers / Passes	Position	Electrode Size (mm)	Welding Process	Power Mode	Consumable	Amperage	Voltage	WFS (IPM)	Travel Speed (IPM)	Heat Input kJ/mm																																																																																																									
217	6≤T≤14.3	Side 1	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	398 - 688	24 - 43	45-79	18-30	Note 4																																																																																																									
217	6≤T≤14.3	Side 2	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	417 - 850	24 - 43	47-91	18-30																																																																																																										
206	10<T≤100	Side 1 Root	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	360-838	22-41	13-55	17-34	Note 5																																																																																																									
206	10<T≤100	Side 2 Root	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	397-900	25-41	13-55	16-29																																																																																																										
206	10<T≤100	Side 1&2 Fill/Cap	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	338-825	23-40	13-55	15-36																																																																																																										
<p>Note 1: Joint must be free from any source of contamination</p> <p>Note 2: Heat Input (kJ/mm) = $[V \times A \times 60] / [Travel Speed (mm/min) \times 1000]$</p> <p>Note 3: Grind joint and adjacent surfaces to bright metal prior to welding to remove all traces of paint, primer, scale, rust, moisture and any other contaminants. Wire brush, grinding to be used for interpass cleaning.</p>																																																																																																																					
Note 4	Base Metal THK (mm)		6 ≤ T < 9.7		9.7 ≤ T ≤ 9.9		10 < T ≤ 14.3																																																																																																														
	Root Heat Input (kJ/mm)		Side1: 1.3 - 2.1 Side2: 1.3 - 2.2		Side1: 1.3 - 2.2 Side2: 1.3 - 2.9		Side1: 1.3 - 2.2 Side2: 1.7 - 2.9																																																																																																														
Note 5	Base Metal THK (mm)		10 ≤ T < 25		25 ≤ T ≤ 40		40 < T ≤ 100																																																																																																														
	Root Heat Input (kJ/mm)		Side1: 0.9 - 1.5 Side2: 1.4 - 2.2		Side1: 0.9 - 3.4 Side2: 1.4 - 3.5		Side1: 2.0 - 3.4 Side2: 2.0 - 3.5																																																																																																														
<table border="1"> <thead> <tr> <th>Fill/Cap Heat Input (kJ/mm)</th> <th>1.0 - 2.1</th> <th>1.0 - 3.6</th> <th>1.3 - 3.6</th> <th>Engineer Stamp</th> </tr> </thead> </table>							Fill/Cap Heat Input (kJ/mm)	1.0 - 2.1	1.0 - 3.6	1.3 - 3.6	Engineer Stamp																																																																																																										
Fill/Cap Heat Input (kJ/mm)	1.0 - 2.1	1.0 - 3.6	1.3 - 3.6	Engineer Stamp																																																																																																																	
Reference WPS No.	SA-CS-G-01 (Rev. 1) SA-CS-G-02 (Rev. 1)																																																																																																																				

POLAR POCKET WPDS							Pocket-POLAR-07		0	April 17, 2025																																																																																																											
							WPDS No.		Rev.	Date																																																																																																											
 Seaspan Vancouver Shipyards Co. Ltd.							Applicable Standard(s)		Lloyds Register - Rules for the Manufacture, Testing and Certification of Materials 2022																																																																																																												
Process/Mode		Wire/Flux Classification			Brand Name		Manufacturer																																																																																																														
1	SAW	AWS A5.23 : F7A4-EA1-A2			Lincolnweld L-70 / 888		Lincoln Electric																																																																																																														
Material Designation	Base material 1		Base material 2		Min. Preheat / Interpass Temp.	As per VSY Preheat and Interpass Temperature Requirements for Welding																																																																																																															
	EH 36 and all lower toughness grades		EH 36 and all lower toughness grades																																																																																																																		
Delivery Condition(s)		All except QT		All except QT		Max. Interpass Temp.	180°C																																																																																																														
Thickness or Dia		6mm - 100 mm		6mm - 100 mm																																																																																																																	
Nominal Pipe Size		150mm and above		150mm and above		PWHT	N/A																																																																																																														
Welding Position		1G					Joint Design																																																																																																														
 <p>TYPICAL JOINT PREPARATION FOR THK<13mm</p> <table border="1"> <thead> <tr> <th colspan="2">COMPLETE JOINT PENETRATION</th> <th>JOINT TYPE</th> <th>Back Purge</th> <th>N/A</th> <th>Contact Tip to Work Distance</th> <th>20-55 mm</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Back-gouged to sound metal</td> <td><input checked="" type="checkbox"/> BUTT</td> <td><input type="checkbox"/> CORNER</td> <td><input type="checkbox"/> Backing type</td> <td>N/A</td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> Welded onto steel backing</td> <td><input type="checkbox"/> LAP</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> Welding Technique</td> <td>Stringer</td> <td><input type="checkbox"/> Shielding Gas</td> <td>N/A</td> </tr> <tr> <td><input type="checkbox"/> Welded form one side without backing</td> <td><input type="checkbox"/> EDGE</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> Max. Bead Width</td> <td>N/A</td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Welded both sides w or w/o back-gouging</td> <td><input type="checkbox"/> EDGE</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> Tungsten Electrode</td> <td>N/A</td> <td><input type="checkbox"/> Gas Flow</td> <td>N/A</td> </tr> <tr> <td><input type="checkbox"/> Welded onto other than steel backing</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> TEE</td> <td><input type="checkbox"/> Cleaning</td> <td>Grinding and Wire Wheel</td> <td><input type="checkbox"/> Ciph</td> <td><input type="checkbox"/> Lpm</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Edge Prep</th> <th>BM Thickness (mm)</th> <th>Layers / Passes</th> <th>Position</th> <th>Electrode Size (mm)</th> <th>Welding Process</th> <th>Power Mode</th> <th>Consumable</th> <th>Amperage</th> <th>Voltage</th> <th>WFS (IPM)</th> <th>Travel Speed (IPM)</th> <th>Heat Input kJ/mm</th> </tr> </thead> <tbody> <tr> <td>217</td> <td>6≤T≤14.3</td> <td>Side 1</td> <td>1G</td> <td>3.2 & 4.0</td> <td>SAW</td> <td>CC/DC+</td> <td>F7A4-EA1-A2</td> <td>398 - 688</td> <td>24 - 43</td> <td>45-79</td> <td>18-30</td> <td rowspan="2">Note 4</td> </tr> <tr> <td>217</td> <td>6≤T≤14.3</td> <td>Side 2</td> <td>1G</td> <td>3.2 & 4.0</td> <td>SAW</td> <td>CC/DC+</td> <td>F7A4-EA1-A2</td> <td>417 - 850</td> <td>24 - 43</td> <td>47-91</td> <td>18-30</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>206</th> <th>10<T≤100</th> <th>Side 1 Root</th> <th>1G</th> <th>3.2 & 4.0</th> <th>SAW</th> <th>CC/DC+</th> <th>F7A4-EA1-A2</th> <td>360-838</td> <td>22-41</td> <td>13-55</td> <td>17-34</td> <th rowspan="3">Note 5</th> </tr> </thead> <tbody> <tr> <td>206</td> <th>10<T≤100</th> <th>Side 2 Root</th> <td>1G</td> <td>3.2 & 4.0</td> <td>SAW</td> <td>CC/DC+</td> <td>F7A4-EA1-A2</td> <td>397-900</td> <td>25-41</td> <td>13-55</td> <td>16-29</td> </tr> <tr> <td>206</td> <th>10<T≤100</th> <th>Side 1&2 Fill/Cap</th> <td>1G</td> <td>3.2 & 4.0</td> <td>SAW</td> <td>CC/DC+</td> <td>F7A4-EA1-A2</td> <td>338-825</td> <td>23-40</td> <td>13-55</td> <td>15-36</td> </tr> </tbody> </table>	COMPLETE JOINT PENETRATION		JOINT TYPE	Back Purge	N/A	Contact Tip to Work Distance	20-55 mm	<input checked="" type="checkbox"/> Back-gouged to sound metal	<input checked="" type="checkbox"/> BUTT	<input type="checkbox"/> CORNER	<input type="checkbox"/> Backing type	N/A			<input type="checkbox"/> Welded onto steel backing	<input type="checkbox"/> LAP	<input type="checkbox"/> TEE	<input type="checkbox"/> Welding Technique	Stringer	<input type="checkbox"/> Shielding Gas	N/A	<input type="checkbox"/> Welded form one side without backing	<input type="checkbox"/> EDGE	<input type="checkbox"/> TEE	<input type="checkbox"/> Max. Bead Width	N/A			<input checked="" type="checkbox"/> Welded both sides w or w/o back-gouging	<input type="checkbox"/> EDGE	<input type="checkbox"/> TEE	<input type="checkbox"/> Tungsten Electrode	N/A	<input type="checkbox"/> Gas Flow	N/A	<input type="checkbox"/> Welded onto other than steel backing	<input type="checkbox"/> TEE	<input type="checkbox"/> TEE	<input type="checkbox"/> Cleaning	Grinding and Wire Wheel	<input type="checkbox"/> Ciph	<input type="checkbox"/> Lpm	Edge Prep	BM Thickness (mm)	Layers / Passes	Position	Electrode Size (mm)	Welding Process	Power Mode	Consumable	Amperage	Voltage	WFS (IPM)	Travel Speed (IPM)	Heat Input kJ/mm	217	6≤T≤14.3	Side 1	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	398 - 688	24 - 43	45-79	18-30	Note 4	217	6≤T≤14.3	Side 2	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	417 - 850	24 - 43	47-91	18-30	206	10<T≤100	Side 1 Root	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	360-838	22-41	13-55	17-34	Note 5	206	10<T≤100	Side 2 Root	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	397-900	25-41	13-55	16-29	206	10<T≤100	Side 1&2 Fill/Cap	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	338-825	23-40	13-55	15-36
COMPLETE JOINT PENETRATION		JOINT TYPE	Back Purge	N/A	Contact Tip to Work Distance	20-55 mm																																																																																																															
<input checked="" type="checkbox"/> Back-gouged to sound metal	<input checked="" type="checkbox"/> BUTT	<input type="checkbox"/> CORNER	<input type="checkbox"/> Backing type	N/A																																																																																																																	
<input type="checkbox"/> Welded onto steel backing	<input type="checkbox"/> LAP	<input type="checkbox"/> TEE	<input type="checkbox"/> Welding Technique	Stringer	<input type="checkbox"/> Shielding Gas	N/A																																																																																																															
<input type="checkbox"/> Welded form one side without backing	<input type="checkbox"/> EDGE	<input type="checkbox"/> TEE	<input type="checkbox"/> Max. Bead Width	N/A																																																																																																																	
<input checked="" type="checkbox"/> Welded both sides w or w/o back-gouging	<input type="checkbox"/> EDGE	<input type="checkbox"/> TEE	<input type="checkbox"/> Tungsten Electrode	N/A	<input type="checkbox"/> Gas Flow	N/A																																																																																																															
<input type="checkbox"/> Welded onto other than steel backing	<input type="checkbox"/> TEE	<input type="checkbox"/> TEE	<input type="checkbox"/> Cleaning	Grinding and Wire Wheel	<input type="checkbox"/> Ciph	<input type="checkbox"/> Lpm																																																																																																															
Edge Prep	BM Thickness (mm)	Layers / Passes	Position	Electrode Size (mm)	Welding Process	Power Mode	Consumable	Amperage	Voltage	WFS (IPM)	Travel Speed (IPM)	Heat Input kJ/mm																																																																																																									
217	6≤T≤14.3	Side 1	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	398 - 688	24 - 43	45-79	18-30	Note 4																																																																																																									
217	6≤T≤14.3	Side 2	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	417 - 850	24 - 43	47-91	18-30																																																																																																										
206	10<T≤100	Side 1 Root	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	360-838	22-41	13-55	17-34	Note 5																																																																																																									
206	10<T≤100	Side 2 Root	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	397-900	25-41	13-55	16-29																																																																																																										
206	10<T≤100	Side 1&2 Fill/Cap	1G	3.2 & 4.0	SAW	CC/DC+	F7A4-EA1-A2	338-825	23-40	13-55	15-36																																																																																																										
<p>Note 1: Joint must be free from any source of contamination</p> <p>Note 2: Heat Input (kJ/mm) = $[V \times A \times 60] / [Travel Speed (mm/min) \times 1000]$</p> <p>Note 3: Grind joint and adjacent surfaces to bright metal prior to welding to remove all traces of paint, primer, scale, rust, moisture and any other contaminants. Wire brush, grinding to be used for interpass cleaning.</p>																																																																																																																					
Note 4	Base Metal THK (mm)		6 ≤ T < 9.7		9.7 ≤ T ≤ 9.9		10 < T ≤ 14.3																																																																																																														
	Root Heat Input (kJ/mm)		Side1: 1.3 - 2.1 Side2: 1.3 - 2.2		Side1: 1.3 - 2.2 Side2: 1.3 - 2.9		Side1: 1.3 - 2.2 Side2: 1.7 - 2.9																																																																																																														
Note 5	Base Metal THK (mm)		10 ≤ T < 25		25 ≤ T ≤ 40		40 < T ≤ 100																																																																																																														
	Root Heat Input (kJ/mm)		Side1: 0.9 - 1.5 Side2: 1.4 - 2.2		Side1: 0.9 - 3.4 Side2: 1.4 - 3.5		Side1: 2.0 - 3.4 Side2: 2.0 - 3.5																																																																																																														
<table border="1"> <thead> <tr> <th>Fill/Cap Heat Input (kJ/mm)</th> <th>1.0 - 2.1</th> <th>1.0 - 3.6</th> <th>1.3 - 3.6</th> <th>Engineer Stamp</th> </tr> </thead> </table>							Fill/Cap Heat Input (kJ/mm)	1.0 - 2.1	1.0 - 3.6	1.3 - 3.6	Engineer Stamp																																																																																																										
Fill/Cap Heat Input (kJ/mm)	1.0 - 2.1	1.0 - 3.6	1.3 - 3.6	Engineer Stamp																																																																																																																	
Reference WPS No.	SA-CS-G-01 (Rev. 1) SA-CS-G-02 (Rev. 1)																																																																																																																				