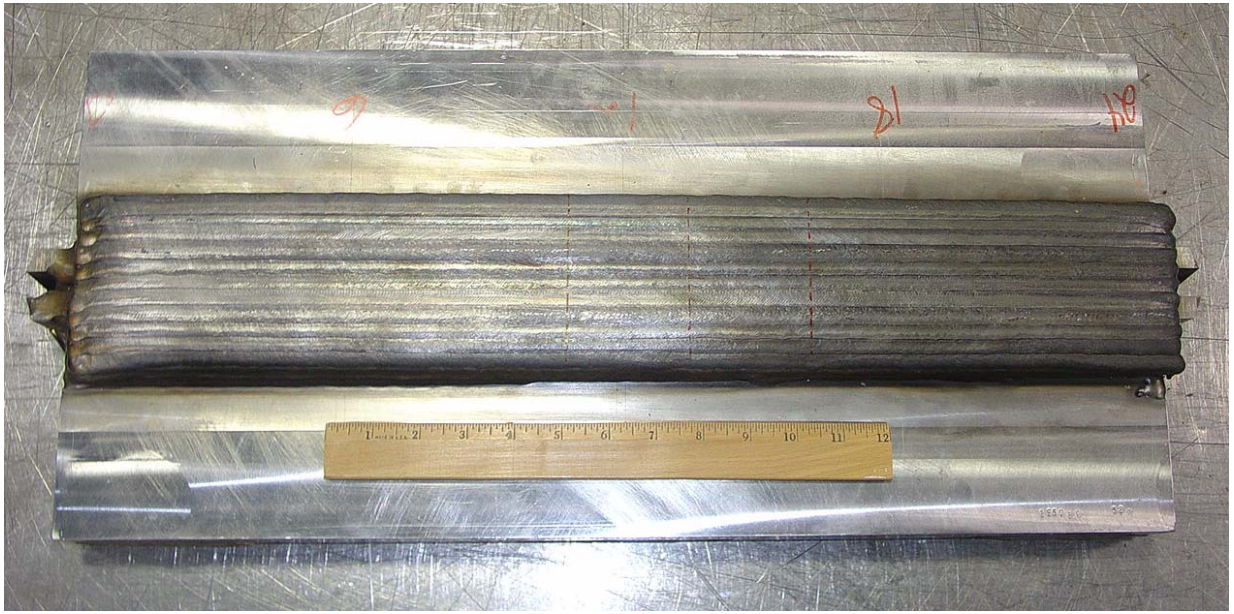
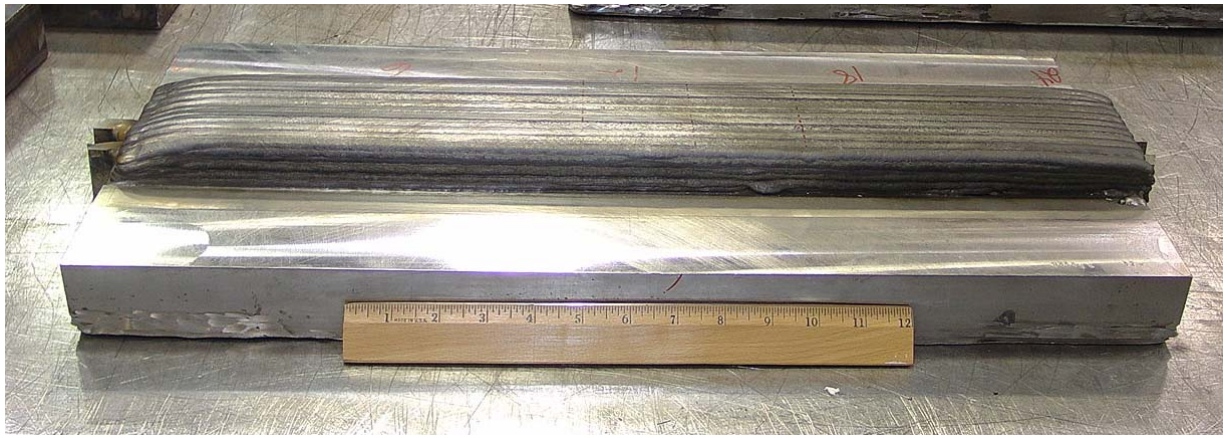
Table I. Summary of Welds that KAPL will Supply to Support EPRI MRP on Alloy 690 and its Weld Metals

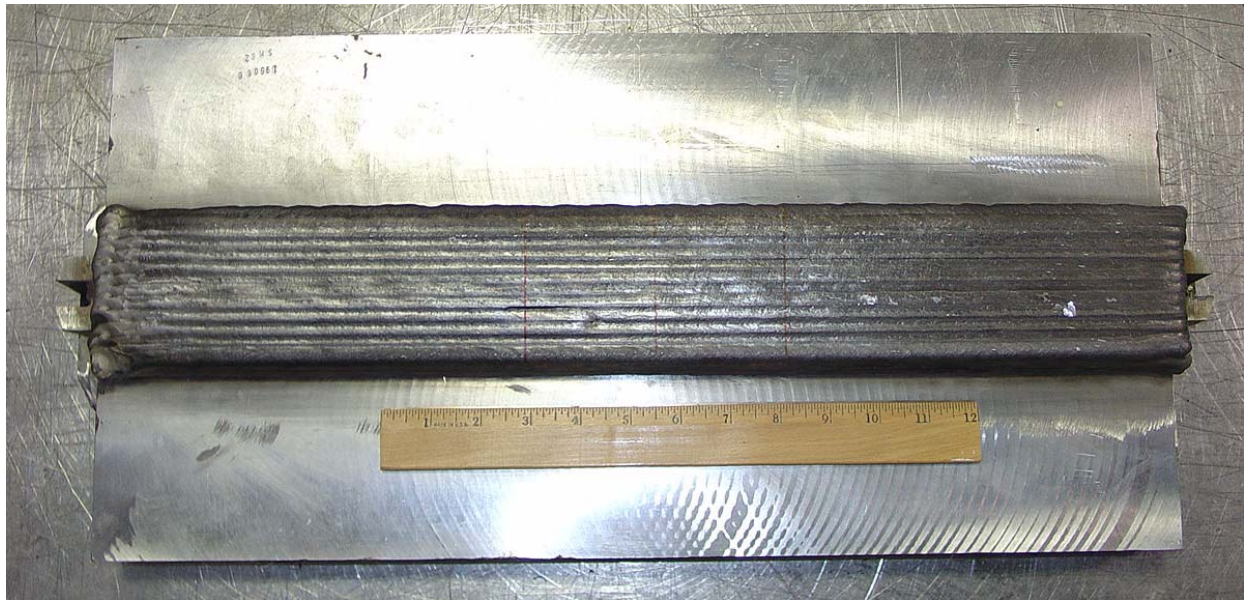
Weldment Type	Size	Purpose of Weldment	Filler Metals	Intent for SCC testing	Status
Remnant from existing CS to SS weld	~4” long x 1” high x 3” wide	(Previous KAPL Weldability Studies)	E-152M	EPRI scoping work on material with hot cracks	**Complete.** Delivered to Andresen / Bruemmer with cert. and weld record
Remnant from existing narrow groove weld	~5.5” long x 2” high x 2” wide	(Previous KAPL Weldability Studies)	EN52M		**Complete.** Delivered to Andresen / Bruemmer with cert., weld record, and UT map of hot cracks
A690 siderail Narrow Groove	~21” long x 2.5” high	Provide SCC samples from a highly constrained weld and its heat affected zone	EN82H	Baseline data to help normalize data from different laboratories	**Weld complete, sectioned, will be shipped to EPRI, GE, PNNL**
	~24” long x 2.5” high		EN52M	Obtain SCC data from A690 weld metal that has seen extensive commercial use and known to be susceptible to SCC	**Weld complete, sectioned, will be shipped to EPRI, GE, PNNL**
			EN52i	Obtain SCC data on new filler metal with improved weldability relative to EN52/EN52M	To be completed by 1 Nov 09
Carbon Steel to Stainless Steel v-groove	~12” long x 2.5” x 6” wide	Provide SCC samples from a constrained, dissimilar metal weld to investigate the effects of dilution on SCC rates	EN52M	Obtain SCC data from A690 weld metal that has seen extensive commercial use and known to be susceptible to SCC	**Weld complete, sectioned, will be shipped to EPRI, GE, PNNL**
			E-152M		**Weld complete, sectioned, will be shipped to EPRI, GE, PNNL**
			EN52i	Obtain SCC data on new filler metal with improved weldability relative to EN52/EN52M	To be completed by 1 Nov 09
			E-152i		To be completed by 1 Nov 09

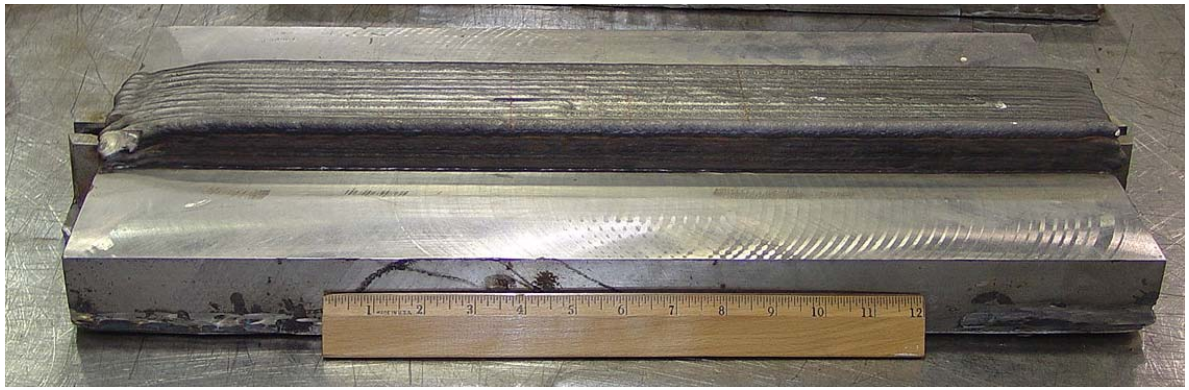
DJI 19508A – EN52M / A690 Narrow Groove Weld



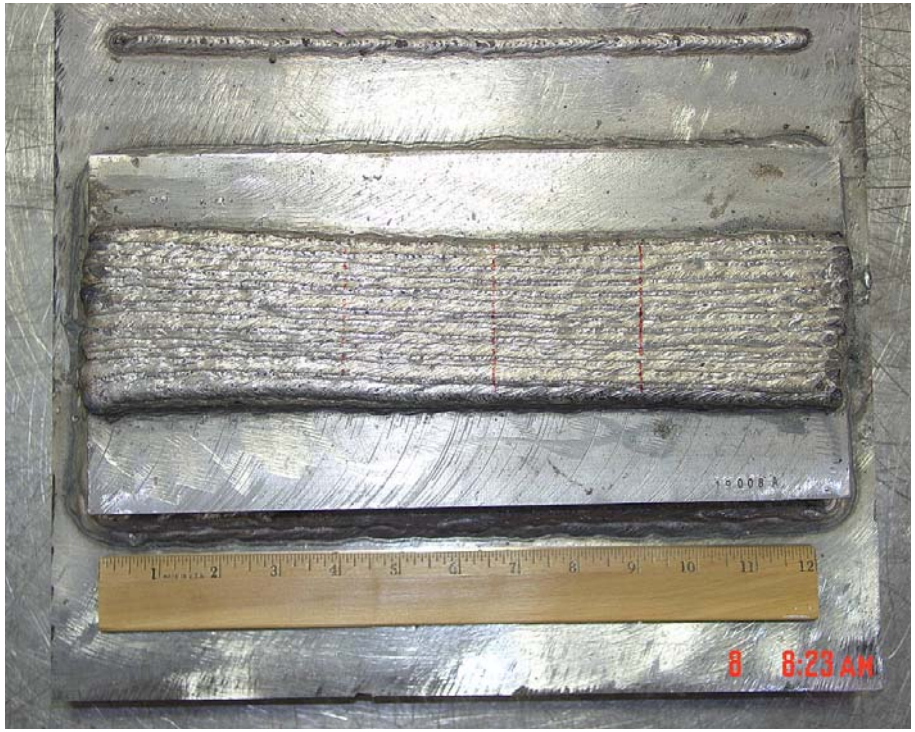


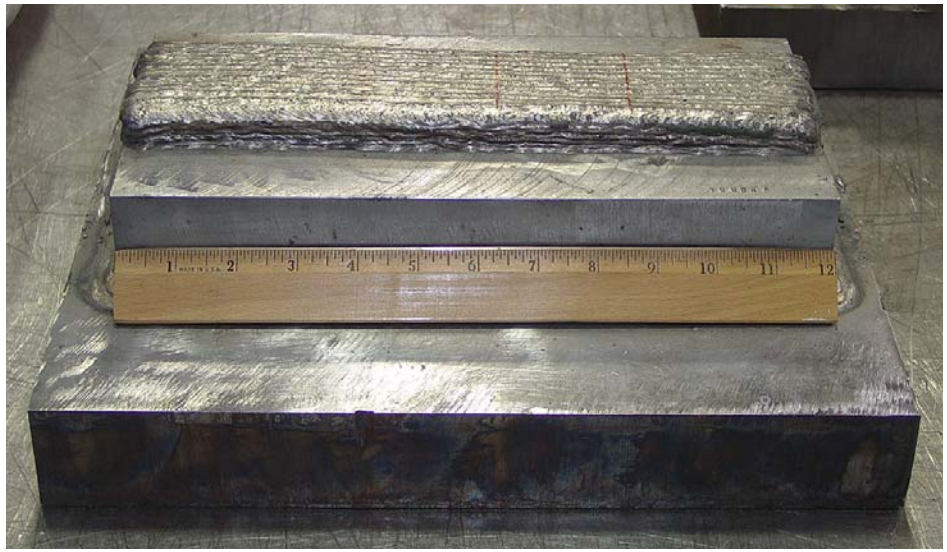
DJI 19508B – EN82H / A690 Narrow Groove Weld

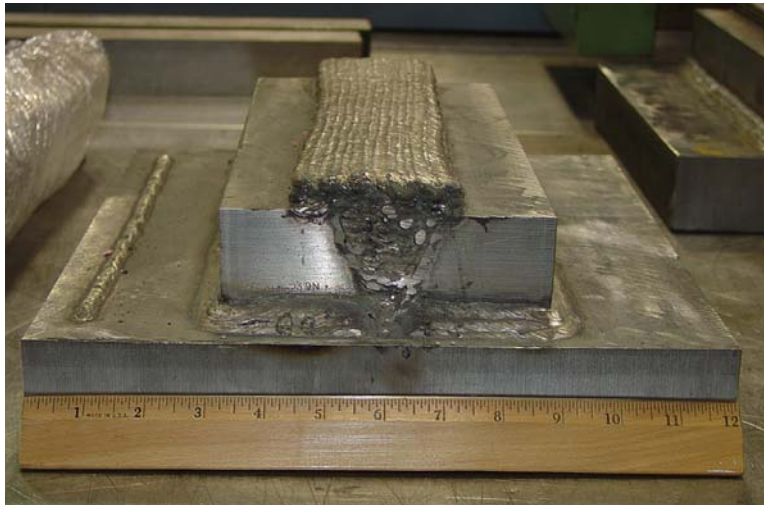
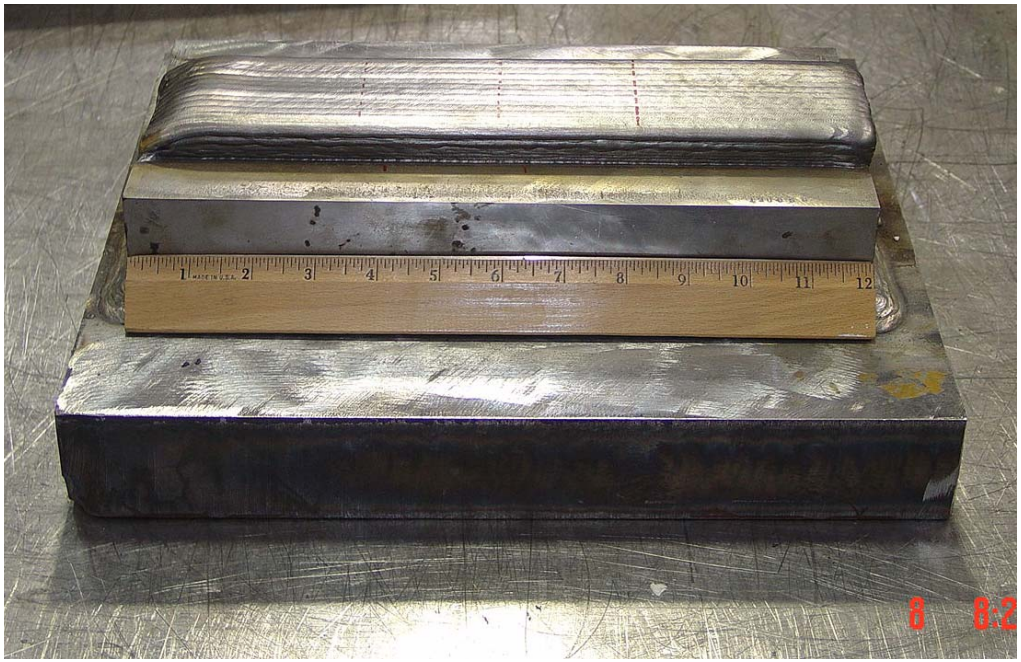
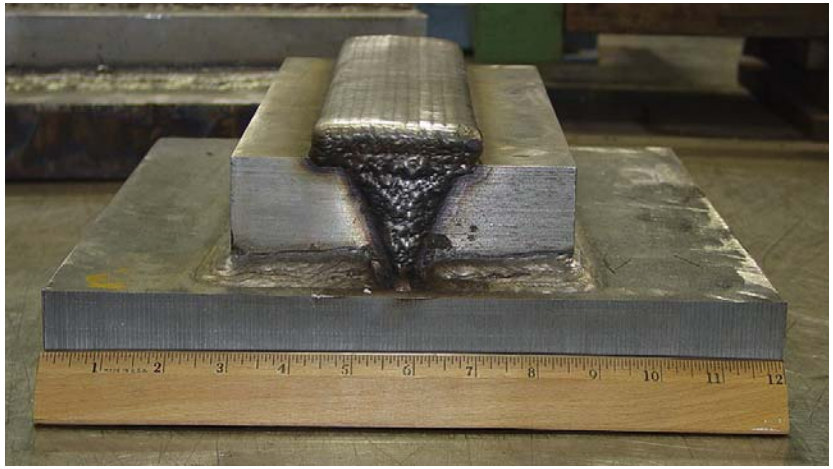




DJI 19008A – 152M Carbon Steel to Stainless Steel v-groove Weld







DJI 19008B – EN52M Carbon Steel to Stainless Steel v-groove Weld