

THERMIT WELDING - 5 Day TRAINING PROGRAM

Course Code No. TWRTC- 02

TIME	Day 1 Theory	Day 2 Theory/Practical	Day 3 Practical / Skills	Day 4 Practical / Skills	Day 5 Theory /Practical		
08:00 hours or as designated	Introduction / Thermit Welding Theory Lecture & Power Point Presentation	Gas and Equip. usage Safety precautions Rail end preparation	Practical test* Cutting / Weld Gap* Rail alignment*	Practical test* on overall Thermit Welding procedures	Practical test* Profile grinding &Weld finish*	As Designated	As Designated
9:30 hours or as designated	Morning Break	Morning Break	Morning Break	Morning Break	Morning Break		
9:45 hours	Power Point Presentation cont-	Rail Cutting Weld Gap Rail Alignment	Thermit Equipment* Sand Moulds* Luting*	Practical test* cont.	Practical test* cont.		
12:00-12:30 or as designated	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break		
	Power Point Presentation cont-	Equipment set-up Sand Moulds set-up Luting mix & usage	Instruction Preheating Weld Specifications Gas Pressures .& Settings	Practical test* cont.	Testing of Qualification welds & test results		
14:30 hours ▼	Gas Safety Awareness & Safety with gases	Preheat equip. & usage Gas pressure settings Preheat Demo & Instr	Practical test* Preheat Operations* Results Achieved	Practical test* cont.	Discussions on findings & general Recap.		
15:00 hours or as designated	Afternoon Break	Afternoon Break	Afternoon Break	Afternoon Break	Afternoon Break		
15:15 hours ▼	Written Exam GSA # Gas Safety Awareness	Question and answer Time. Oral test ^	Question and answer Time. Oral test ^	Completion of Qualification welds	Written Exam # Welding Processes		
16:00 hours ▼	Review of day Learning outcomes	Review of day Learning outcomes	Review of day Learning outcomes	Review of day Learning outcomes	Marking & overall results		
14:30 hours or as designated					End of course		