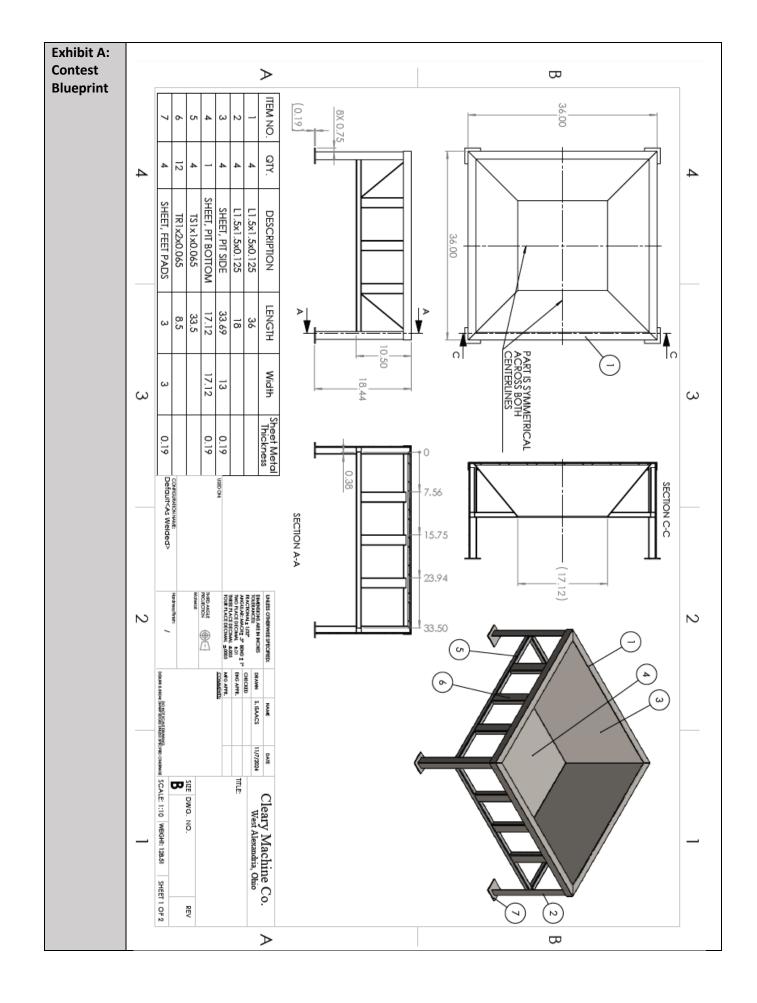


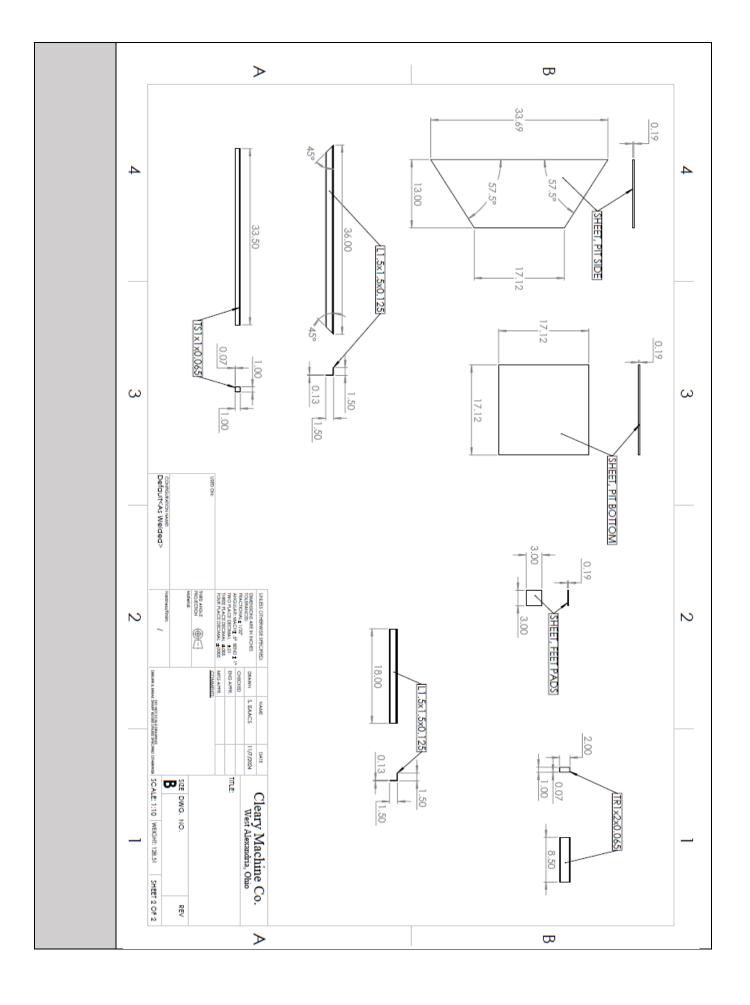
Welding Fabrication



Date	Friday, January 31st 2025	Orientation Time	8:00 a.m. (Closed to instructors)
Location	Mahoning County Career & Tech Center 7300 N. Palmyra Rd Canfield Ohio 55506	Contest Time	Immediately following orientation (OPEN contest)
Scope of	The skill performance assessment include a special drawing. Please see	•	al project according to a
Contest	provided technical drawing. Please see	EXHIBITS A and B below.	
	Procedures for building the project:		
	 Only the three students participating Students should complete a portfolion photos of work along the way. The finished project is to be brought All three team members must be prepared to display their finished projects will be graded based on The projects will be used to validate Schools will be able to keep the projects 	to the location of the Regions esent at the Regional Weldin Diect and participate in an intheir accuracy and quality in the process and work comp	nal Welding Competition. g Competition and be terview with the judges. n relation to the blueprints.
	Rules and Requirements for Project:		
	 Project is to be assembled/welded as NO post-weld grinding. Points will be Students may cut materials with any fuel, CNC etc.) SMAW/FCAW/GMAW/GTAW are the the project. Project can be welded with just one No paint or clearcoat is to be used on Student will decide type/size/location those decisions during the interview Student will add weld symbols to drawn and the weld symbols may be drawn At the regional contest your team will remained the completed project. 	e deducted for any post-weld cutting process desired (I.e. e only processes to be used it or any combination of the p in the project. In of welds on fabricated particular wing that were used during in ink.	Metal shear, plasma, oxyna fabrication and assembly of rocesses listed above.
	 Provide a portfolio with elements list 	sted on scoring rubric.	
	Participate in an interview presentat	ion.	
Testing	NO		
Eligibility	1 team for every 50 members enrolled in	n program	
Clothing	Clothing Classification Guide: CLASS D		

Provided	Professional Resumé – typed hardcopy	
by	Emergency Medical Form (Contestants r	nust have this to compete
Contestant	All elements listed in Scope of Contest	
Contest Standards	Contest Skilled Performance Standards	Aligned ODEW Manufacturing Career Field Technical Content Standard Outcomes
	WF 3.0 – Read and interpret blueprints	Outcome 6.1 Measurement and Interpretation Outcome 6.2 Layout and Planning
	WF 4.0 - Produce welds using a Shielded Metal Arc Welding (SMAW) process to AWS QC10 standards.	Outcome 4.3 Arc Welding Process
	WF 5.0 - Produce welds using a Gas Metal Arc Welding (GMAW) process to AWS QC10 standards.	Outcome 4.3 Arc Welding Process
	WF 6.0 - Produce welds using a Fluxed Cored Arc Welding (FCAW) process to AWS QC10 standards.	Outcome 4.3 Arc Welding Process
	WF 7.0 - Produce welds using a Gas Tungsten Arc Welding (GTAW) process to AWS QC10 standards.	Outcome 4.3 Arc Welding Process
	WF 8.0 - Produce cut materials using an Oxygen Fuel Cutting (OFC) process to AWS QC10 standards.	Above Outcomes can be found in the following ODEW courses: 176000 Gas Metal Arc Welding 176001 Shielded Metal Arc Welding 176002 Flux Cored Arc Welding 176003 Gas Tungsten Arc Welding 176015 Welding Fabrication





Category Evaluated 3 team members present ☐ Yes [] No (Cannot medal if less than 3)	Possible Points	Point Breakdown	Points Awarded
0 0	200 pts.	 Cover page - 30 Layout photo - 30 Material photo - 30 Fully Assembled photo - 30 Welding plans - 40 	
 Provide at least 3 <u>photos</u> Initial material mark-ups and how you will cut it. Materials once cut into proper dimensions. Include waste in your photo. Fully assembled project. A copy of the plans for the project including weld symbols used (can be added by hand). 		Neatness - 40	
Interview Presentation: Throughout <u>Interview</u> and Presentation all three students need to take a part in the presentation and demonstrate they were actively engaged in the project.	200 pts	All 3 team members participate hpresentation – 40	
 Students should have a professional presentation and appearance. Students should use the portfolio as a reference and be able to show correlation of welds on the project to the welds on the plans. Students should explain how they constructed the project as a tem Students should explain any challenges faced and how they worked through. 		 Eye Contact and Professionalism – 40 Use of Portfolio in Presentation - 40 Decision-Making Process and weld selection - 40 Challenges – 40 	
 Welds and Measurements Correct materials (any materials not on original Bill of Materials equals 0 points) Weld process selection Weld quality 	200 pts	 Materials – 50 Weld selection – 50 Weld quality – 100 	
Assembly Inspection Demonstrate ability to use the project as intended. Project is level and safe to handle. Project is stable when loads are applied.	200 pts	 Ability to use the project as intended - 50 Level and safe to handle - 50 Stability - 100 	
Quality and Craftsmanship Enal product meets minimum specifications of the customer. Quality of work and pride demonstrated in this product. This is a saleable item to a customer, excluding post weld grinds required (customer-ready) Individuals demonstrated pride and craftsmanship in their work and presentation	200 pts	 Meets Specifications – 50 Quality – 50 Customer Ready – 50 Personal craftsmanship - 50 	
TOTAL Score	1000	Record Total Here →	

Exhibit B: Contest Scoring Rubric