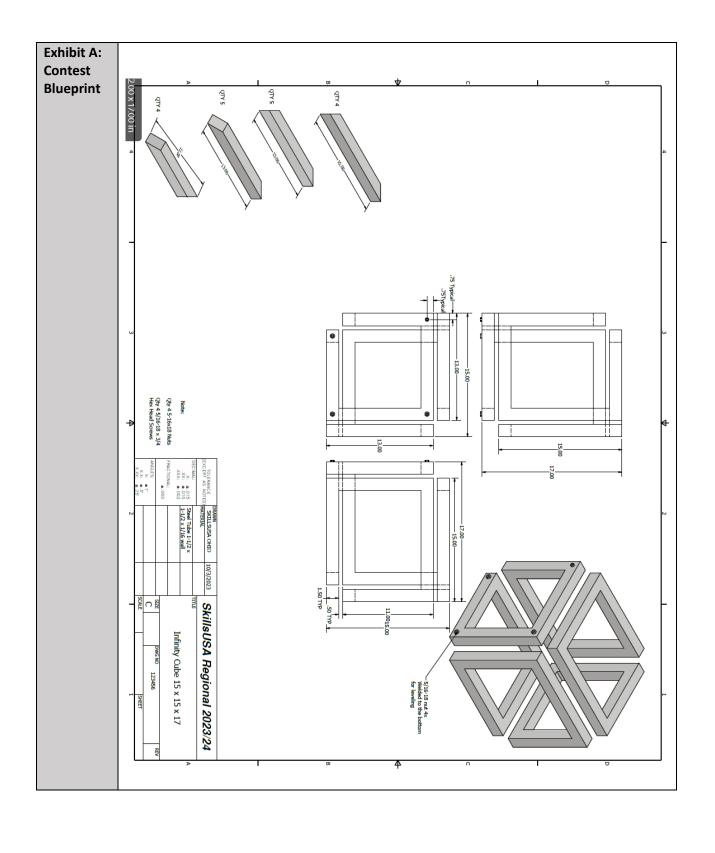


Welding Fabrication



Date	February 24, 2024	Orientation Time	8 AM
Date	,	Offentation fille	(CLOSED to instructors)
Location	Mid-East CTC - Zanesville 400 Richards Road Zanesville, OH 43701 Room 3023	Contest Time	Immediately following orientation (CLOSED contest)
Scope of	The skill performance assessment incl	ludes the completion of a i	metal project according to
Contest	a provided technical drawing. Please	see Exhibits A, B, and C Be	low.
	Procedures for building the project:		
	 Only the three students participat Students should complete a portforwith photos of work along the way The finished project is to be broug Competition. All three team members must be prepared to display their finished judges. The projects will be graded based blueprints. 	olio of their planning and p y. Tht to the location of the R present at the Regional We project and participate in a on their accuracy and qua	egional Welding elding Competition and be an interview with the lity in relation to the
	The portfolio will be used to validaSchools will be able to keep the pr		completed in the project.
	Rules and Requirements for Project:		
	 Project is to be assembled/welded NO post-weld grinding. Points will Students may cut materials with a oxy-fuel, CNC etc.) SMAW/FCAW/GMAW/GTAW are assembly of the project. Project can be welded with just or No paint or clearcoat is to be used Student will decide type/size/loca explain those decisions during the Student will add weld symbols to exproject and the weld symbols may At the regional contest your team will	be deducted for any post- ny cutting process desired the only processes to be use ne or any combination of the lon the project. tion of welds on fabricated interview. drawing that were used du be drawn in ink.	(I.e. Metal shear, plasma, sed in fabrication and he processes listed above.
	Provide the completed project.		
	 Provide a portfolio with elements 	listed on scoring rubric.	
	Participate in an interview present	· ·	
Testing	NO		

Eligibility	1 team for every 50 members enrolled	d in program	
Clothing	Work Attire: Field specific work clothing required for the work environment or that		
Ciotimig	matches the service conditions for the contest. This may include jeans if they are clean and		
	professional looking and are accepted in the respective field (no holes or overly soiled		
	•	ard sole or anti-slip properties (steel toes may be	
		estant section below). Clothing should be as such that	
		ment or power tools. School uniforms may be worn if	
	they meet the above requirements w	·	
Provided	Professional Resume – typed hardcop		
by	Emergency Medical Form (Contestant	•	
Contestant	All elements listed in Scope of Contes	•	
Contest	Contest Skilled Performance	Aligned ODEW Manufacturing Career Field	
Standards	Standards	Technical Content Standard Outcomes	
	WF 3.0 – Read and interpret	Outcome 6.1 Measurement and Interpretation	
	blueprints	Outcome 6.2 Layout and Planning	
	WF 4.0 - Produce welds using a	Outcome 4.3 Arc Welding Process	
	Shielded Metal Arc Welding		
	(SMAW) process to AWS QC10		
	standards.		
	NATE O Duradinas contida coita a Cas	Outcome 4.2 Ann Wolding Burners	
	WF 5.0 - Produce welds using a Gas	Outcome 4.3 Arc Welding Process	
	Metal Arc Welding (GMAW) process		
	to AWS QC10 standards.		
	WF 6.0 - Produce welds using a	Outcome 4.3 Arc Welding Process	
	Fluxed Cored Arc Welding (FCAW)	Outcome 4.3 Are Welding Process	
	process to AWS QC10 standards.		
	p. 55555 55 11116 Q525 55611461461		
	WF 7.0 - Produce welds using a Gas	Outcome 4.3 Arc Welding Process	
	Tungsten Arc Welding (GTAW)	· ·	
	process to AWS QC10 standards.		
	WF 8.0 - Produce cut materials	Outcome 4.6 Cutting Processes	
	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 Yes No (Cannot medal if less than 3) Points Points Points	c	c		
owing items: alank to write the contestant number ided the day of the event) ital mark-ups and how you will cut it. Ince cut into proper dimensions. Include waste in your photo. It is project. or the project including weld symbols used (can be added by hand). 200 pts y were actively engaged in the project. a professional presentation and appearance. The portfolio as a reference and be able to show correlation of welds on idis on the plans. ain any challenges faced and how they worked through. y materials not on original Bill of Materials equals 0 points) o use the project as intended. if to handle. n loads are applied. 200 pts 200 pts	∐ Yes	Possible Points	Point Breakdown	Points Awarded
y and Presentation all three students need to take a part in the presentation y were actively engaged in the project. a professional presentation and appearance. the portfolio as a reference andbe able to show correlation of welds on ids on the plans. ain how they constructed the project as a tem ain any challenges faced and how they worked through. y materials not on original Bill of Materials equals 0 points) y materials not on original Bill of Materials equals 0 points) n loads are applied. 200 pts n loads are applied. 1000 pts 1000 Rec	 rtfolio Folder folio must contain the following items: 1. Cover sheet with a blank to write the contestant number (Number will be provided the day of the event) 2. Provide at least 3 <u>photos</u> a. Initial material mark-ups and how you will cut it. b. Materials once cut into proper dimensions. Include waste in your photo. c. Fully assembled project. 3. A copy of the plans for the project including weld symbols used (can be added by hand). 	200 pts.	 Cover page - 30 Layout photo - 30 Material photo - 30 Fully Assembled photo - 30 Welding plans - 40 Neatness - 40 	
y materials not on original Bill of Materials equals 0 points) o use the project as intended. afe to handle. n loads are applied. ninimum specifications of the customer. oride demonstrated in this product. n to a customer, excluding post weld grinds required (customer-ready) ated pride and craftsmanship in their work and presentation 200 pts • 1000 Rec	 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. Students should have a professional presentation and appearance. Students should use the portfolio as a reference andbe 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. 	200 pts		
o use the project as intended. afe to handle. n loads are applied. ninimum specifications of the customer. oride demonstrated in this product. n to a customer, excluding post weld grinds required (customer-ready) ated pride and craftsmanship in their work and presentation 200 pts on to a customer, excluding post weld grinds required (customer-ready) Action 1000 Rec	 Ids 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 	
minimum specifications of the customer. oride demonstrated in this product. n to a customer, excluding post weld grinds required (customer-ready) ated pride and craftsmanship in their work and presentation 1000 Rec	 embly 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 	
1000	 ality and Craftsmanship <u>Final</u> 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 	
	TAL Score	1000	Record Total Here →	

Exhibit B: Contest Scoring Rubric

Exhibit B: Exhibit C: Project Example