

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-282
Item to be Scouted	Plates for a pressurized box to be submerged 10 feet underwater.
Days to be scouted	30
Response Due By	10/18/2024
Description	Plates for a pressurized box to be submerged 10 feet underwater. CNC machining to cut the aluminum and polycarbonate plates to size.
Notify Requester Immediately	Yes
State item to be used in	North Carolina

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	CNC machining to cut the aluminum and polycarbonate plates to size. If possible for cheaper quote either a table, circular, or jigsaw could be capable to cut the materials precise enough. Tapped holes (1" to 1.5" deep) and/or bores for bolts will be needed in all pieces.
Provide dimensions / size / tolerances / performance specifications for the item	<p>"Polycarbonate Plastic Plates [All 1/2" (+0.00/-0.015) inch thick]</p> <p>Front Plate: 37" (+0.00/-0.05) long, 39" (+0.00/-0.05) tall. 2 Side Plates: 36" (+0.00/-0.05) long, 39" (+0.00/-0.05) tall. Top Plate: 37" (+0.00/-0.05) long, 36.5" (+0.00/-0.05) tall. Base Plate: 36" (+0.00/-0.05) long, 36" (+0.00/-0.05) tall. Square Window: 30" (+0.00/-0.05) long, 30" (+0.00/-0.05) tall. Air Seal: 6" (+0.025/-0.025) in diameter. Hatch: 20" (+0.00/-0.05) long, 20" (+0.00/-0.05) tall. 2 Inside Fences: 18" (+0.00/-0.05) long, 6" (+0.00/-0.05) tall. 2 Outside Fences: 19" (+0.00/-0.05) long, 6" (+0.00/-0.05) tall. Latch Base: 2" (+0.00/-0.05) long, 2" (+0.00/-0.05) tall. 2 Hinge Bases: 6.5" (+0.00/-0.05) long, 1" (+0.00/-0.05) tall.</p> <p>6061-T6 ALUMINUM [1/4" (+0.00/-0.015) inch thick]</p> <p>Aluminum Plate: 37" (+0.00/-0.05) long, 39.5" (+0.00/-0.05) tall. "</p>
List required materials needed to make the product, including materials of product components	Polycarbonate and 6061-T6 ALUMINUM
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
NAICS 1	
NAICS 2	
Additional Technical Comments	This is for a prototype designed to be used once.

Section 4: Business Information

Estimated potential business volume	1 time project/prototype
Estimated target price / unit cost information (if unavailable explain)	\$5000
When is it needed by?	October 2024
Describe packaging requirements	Protective film for all sheets of polycarbonate and aluminum. Wrapped with bubble wrap or foam sheeting secured with tape. Placed in cardboard box and labeled "Fragile."
Where will this item be shipped?	Durham, NC 27701

Additional Comments

Is there other information you would like to include?	We would like to see quotes and lead times for just the cut material without tapped holes too.
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