

City of Key West Moody Shark Sculpture estimate

Remove the three separate elements from storage and inspect both the surface and the armature for damage such as erosion, corrosion, broken welds and struts. In particular, the connections need to be assessed, repaired, and cleaned where necessary.

Cleaning the rusty steel armature requires a chemical and abrasive approach. Most of the loose rust can be removed with a wire brush. After that Phosphoric Acid brushed on to the metal will not only 'eat' the remaining rust but will also render the metal surface inert to slow down the aging process in the future. Most of the bolt holes on the armature will have to be reamed out with a grinder due to the damage from the galvanic reaction that occurred when the two dissimilar metals of the bolt and armature were connected to the last wall. Larger washers and lithium grease will be used this time. The surface of the shark will be treated with rubbing compound and then polished with a wax sealant. Cleaning, repairing, and polishing processes will be done in multiple passes totaling 40 hours of labor.

Installation:

The whole piece needs to be 'dry' assembled first to make sure all the connections fit and also so that the rolled paper template that transfers to the new wall can be laid out. This is critical so that the anchor holes can be drilled in the right place in the new wall in advance of installation. Next the shark gets carefully taken apart again and moved to the installation site without any scratches to the surface. I will need help from the city moving the pieces to the site. I would prefer to hang each of the three elements one at a time due to the size and weight concerns. I will also need a forklift to suspend the pieces in place while they are bolted to the wall. With the proper preparation, a good template, pre-drilled holes in the new wall, and anchors set; the installation should take one day. It will take one day in advance to drill all the holes and set the anchors.

Time and Labor: 50 hours @\$50/hr. = \$2,500

Hardware, chemicals, abrasives, compounds, welding, safety gear = \$500

Total budget estimate = \$3000

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