COMPUCraft
Fabricators Inc.
Precision Metal Components

OCTOBER
PART OF THE MONTH

Not As Scary As It Looks

October's Featured Part is quite the heavy weight. Weighing in at over 500lbs, this part is actually made of nine individual weldments all bolted together. The first step to ensure success with this part was to draw it in 3D utilizing our CAD capabilities. This allowed us to calculate the angles and locations of the holes that needed to be bored in the elbows and fittings of each weldment. Additionally, we used our CAD software to develop the flat pattern to create the conical transition seen on the top middle of the finished assembly. Another advantage to having everything rendered in 3D is the ability to create welding fixtures to locate everything accurately. This attention to detail at the planning stages made it a breeze for our highly skilled machining and welding departments to construct a part that may have scared away a lesser fabricator.

Complete Assembly, Sheet Metal, Machined and Welded Components.

> ISO 9001 certified quality management system
> Certified Welding to MIL-STD-1595a for process DTAW Group 1b, 1ia
> 100% in-process inspection
> Certified inspection reports

All CAD Formats:
Solidworks (sldprt, sldasm), AutoCAD (dwg, dxf), Inventor, Pro/E, CATIA 4/5, Unigraphics, Parasolid, ACIS SAT, iges, step,

Problem:
What's the next number in the series: 1, 4, 5, 6, 7, 9, 11?

Quiz:
Halloween originated from a festival celebrated by what ancient European tribe?

a. The Druids
b. The Celts
c. The Huns
d. The Visigoths

Quote:
"Character cannot be developed in ease and quiet. Only through experience of trial and suffering can the soul be strengthened, ambition inspired, and success achieved."

~ Helen Keller ~

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* Please be sure to check our website for answers to all previous months Problems and Quizzes! Go to www.metalwork.com and click on Problem of the Month link.

Sheet Metal   Welding & Brazing   Laser Cutting   Enclosures   Machining   Polishing