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Dura Life®
CONTAINMENT
Systems

LETTER OF ENGINEERING

Reference: 8", 12", & 24" Pipe Stands

The structural design of the 8", 12", and 24" Pipe Stands, which are manufactured by Sioux Steel Company and Fusion Plastics, was performed based on the following criteria:

Product Specifications

Pipe Diameter	Height	Weight	Base Width	Top Width
8"	22"	10 lbs	20"	10"
12"	22"	20 lbs	27"	14"
24"	23"	26 lbs	32"	18"

Material: Linear Low Density Polyethylene

Yield Strength: 2600 psi

Design Parameters

Allowable Working Load: 2000 pounds

Operating Temperature: -40 to 120 degrees F (-40 to 49 degrees C)

Structural Design Method: Finite Element Analysis Software

Physical Testing: Hydraulic Piston and Load Cell

The attached seal covers the products described above. The computational design using FEA, combined with physical testing, provides sufficient documentation that these products, within the described operating temperature, are capable of supporting the allowable working load of 2000 pounds.

Regards,



Lucas Lorenzen, P.E.
Structural Engineer

