



THERMAL ENERGY STORAGE TANK

CLIENT - Department of Defense
 LOCATION - Ft. Meade, MD
 COMPLETED - 2011

DESCRIPTION

Matrix PDM Engineering provided the engineering services to the Department of Defense to construct a thermal energy storage tank in Ft. Meade, MD. The project consisted of a thermal energy storage tank (77' x 37' x 10') with an octagonal pipe diffuser, designed for a 4,000 ton/hour demand of the chiller building.

The engineering effort was made in six phases:

- Engineering design of the thermal energy storage system consisting of the tanks and diffuser including design of the structural, mechanical, piping, heat transfer and hydraulics
- Project engineering support towards coordination with the client, construction region, fabrication shop, and engineering groups
- Erection and detail fabrication drawings for shop and fieldwork
- Welding and QA/QC support
- Testing and performance support
- Technical support during project execution

FOR MORE INFORMATION:
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