



WATER & WASTEWATER



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Locations worldwide to service
all your needs.

Visit us at www.hmttank.com

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Since 1978



About HMT

HMT has been providing quality products and services for liquid storage to the global market for over 30 years. Our success is attributed to our exceptionally customer-oriented staff dedicated to providing quality products and superior service. HMT's success is backed by our solid understanding of the changing industry and environmental needs of our customers.

HMT provides various types of fixed covers, floating covers, storage tanks and a complete suite of services for your water and wastewater facilities.

HMT specializes in the design, manufacture and construction of clear span aluminum covers. Our experienced engineering personnel possess the technical expertise required to meet your needs today, as well as advance the technology to meet future challenges.

Versatile applications for HMT covers are:

- Water Storage Tanks
- Wastewater Treatment Tanks
- Clarifier and Thickener Tanks
- Oil-Water Separators
- Petroleum Storage Tanks
- Chemical Storage Tanks
- Other Shapes and Structures

HMT is continuously developing new and innovative products and services to meet the ever expanding requirements of our customers around the globe.



Our experienced engineering personnel possess the technical expertise required to meet your needs today, as well as advance the technology to meet future challenges.

Comparison of Various Cover Materials

HMT exists at the cutting edge of technology by providing a variety of covers manufactured from both Aluminum and Fiber Reinforced Polymer (FRP) composite materials.

Impervious to chemical, UV and ozone attacks, HMT's unique FRP Composite material is virtually indestructible. The FRP material is capable of being formed into many shapes and sizes. Static buildup is dissipated in HMT's proprietary design for applications where sparking is a consideration, such as in the presence of hazardous vapors.

Aluminum is quickly becoming the material of choice for covers as it has many distinct advantages versus the use of other materials. Aluminum is light weight, corrosion resistant, easy to install and maintain, and has a long service life in just about any possible environment.

	Aluminum ▼	HMT FRP ▼	Steel ▼	Fiberglass ▼	Concrete ▼
Corrosion Resistant	E	E	P	F	F
Easy Installation	E	E	P	F	P
Lightweight	E	G	F	G	P
Clear Span	E	G	F	P	G
Low Maintenance	E	E	P	G	F
Design Versatility	E	G	G	P	P
UV & Ozone Resistant	E	E	G	P	P
Durable (Withstands Adverse Service Conditions)	E	E	P	P	F

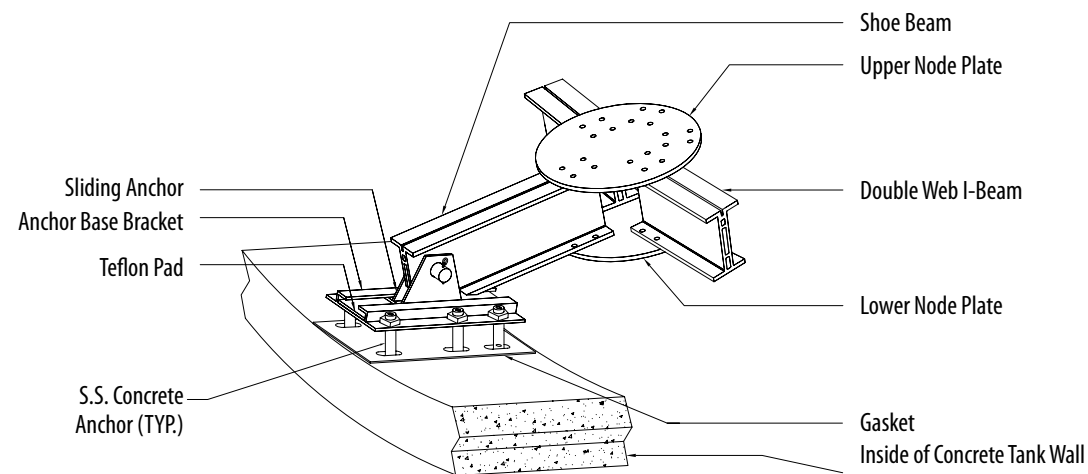
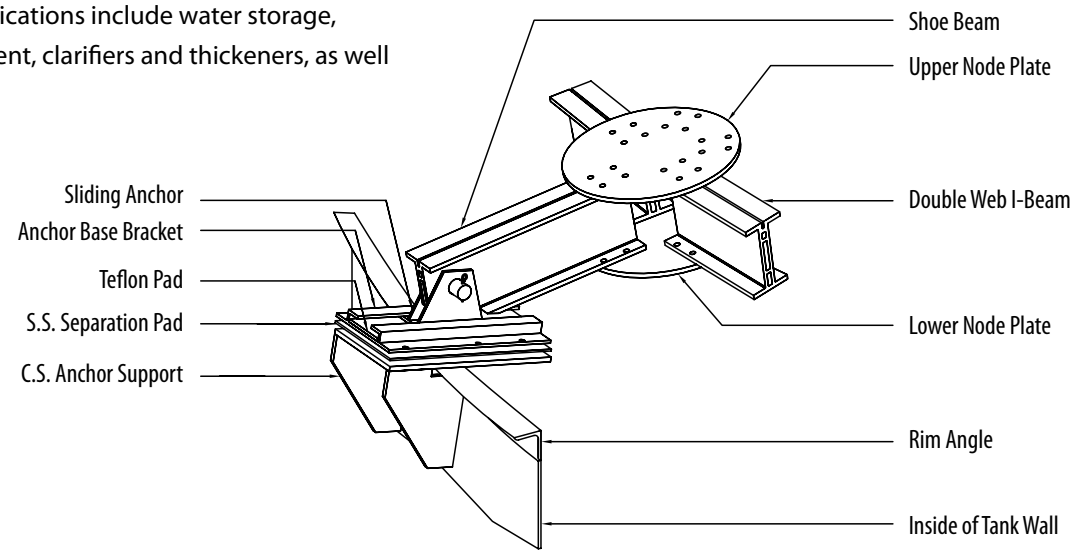
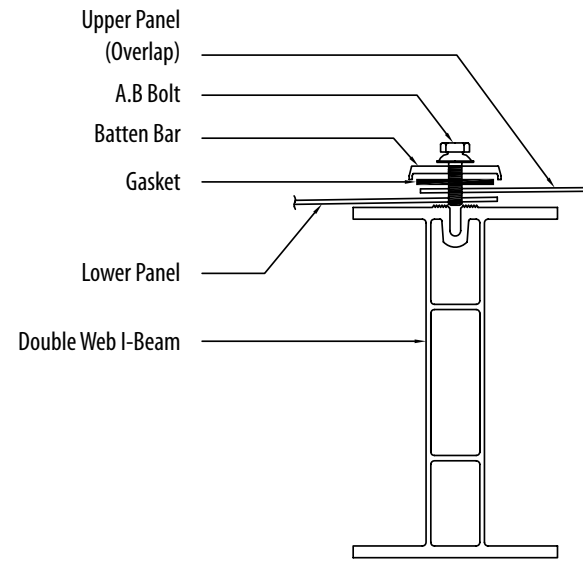
E = Excellent G = Good F = Fair P = Poor

HMT Geodesic Dome Roof

HMT's Geodesic Dome Roofs are custom engineered to accommodate a wide range of shapes, spans and operating service conditions. They are designed in full accordance with the latest revision of AWWA D100 or API 650, Appendix G.

HMT's state of the art design program fully integrates three dimensional graphic design with finite element analysis, generating in real time customer drawings, CNC fabrication drawings, structural analysis reports and a bill of materials

The HMT Geodesic Dome Roof is made of Aluminum and offers multiple advantages over concrete, fiberglass, or steel cover alternatives. HMT's Geodesic Dome roof can be designed to accommodate various special loading and design conditions, specifications and requirements. Applications include water storage, wastewater treatment, clarifiers and thickeners, as well as bulk storage.



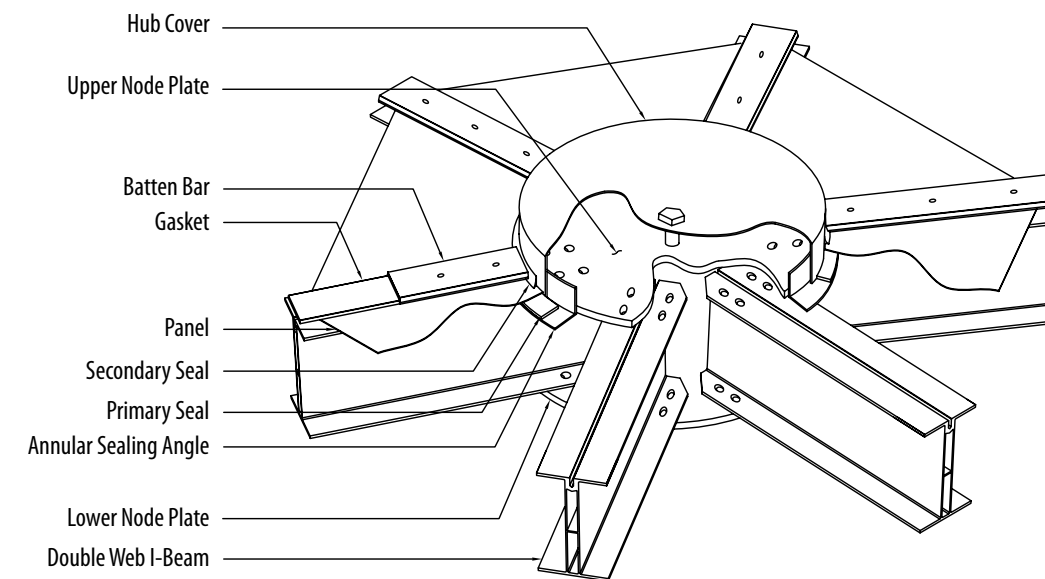
The HMT Geodesic Dome Roof is ideal for both new tank construction and tank retrofit projects. HMT Domes are fabricated from high strength, corrosion resistant aluminum alloy materials that resist chemical, UV and ozone degradation. The structure is designed to be self-supporting from the tank shell, eliminating the need for internal supports.

The unique HMT design prevents the intrusion of rainwater, eliminating the possibility of stored product contamination. Noxious odors are significantly reduced, as wind induced vapor is eliminated and the water surface temperature is lowered. All gasketing is completely protected from UV and ozone attack and all seams are protected by primary and secondary seals.

As with all HMT products and services, experienced HMT field crews are available for fast, efficient installation. The HMT design allows for installation to be performed in-service or out-of-service or on new tanks.

If modification to the storage tank should be needed, HMT Inspection and Repair personnel are available to perform this service.

All seams are designed with primary and secondary seal mechanisms.

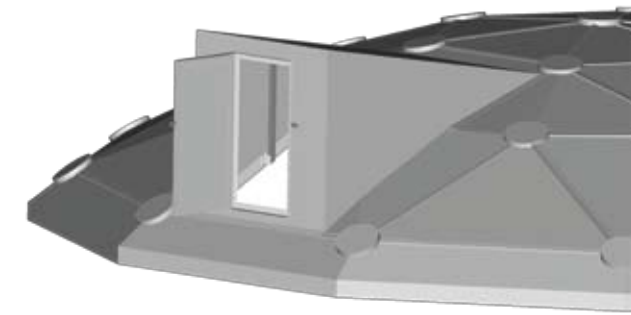
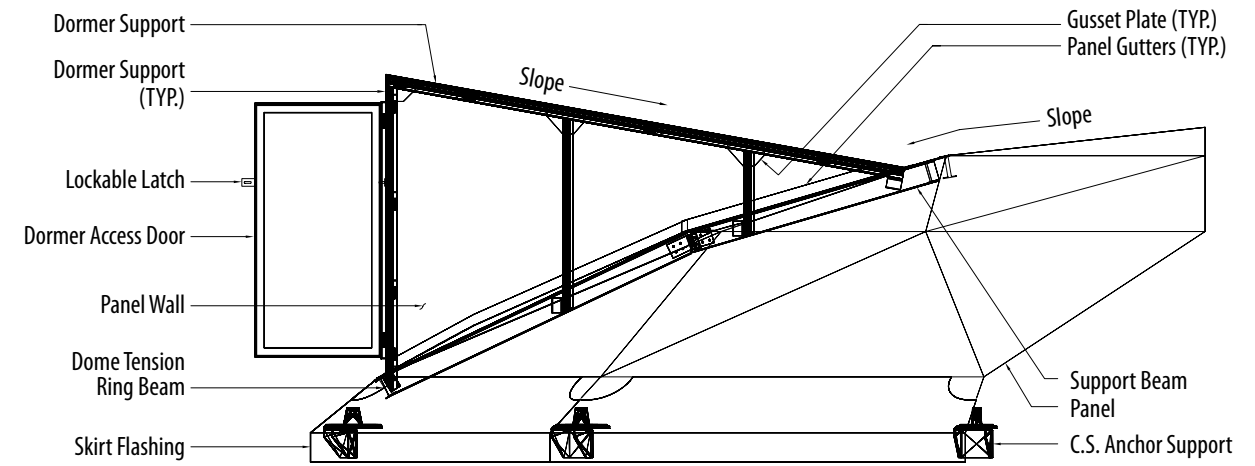


Geodesic Dome Appurtenances

Skylights, Access and Inspection Hatches, Sidewalls, Nozzles, Louvers, Dampers, Vents and Dormers custom designed to meet your needs.



Inside view of sidewalls



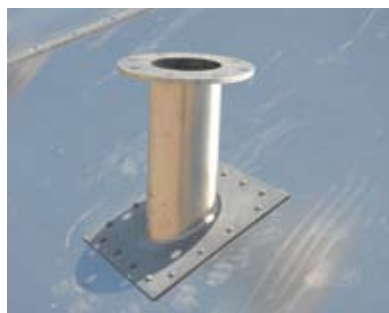
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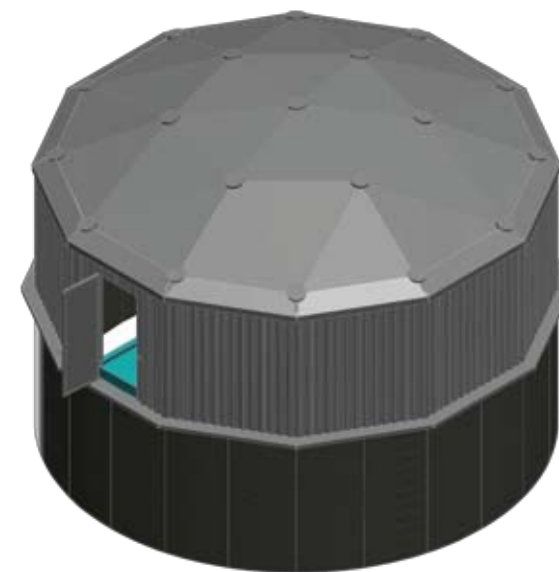
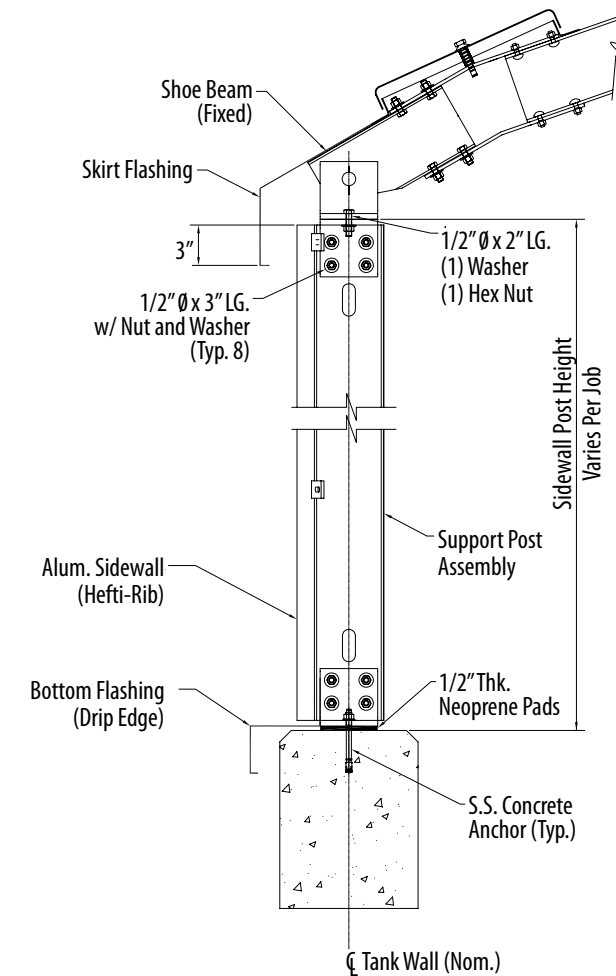
Hatch



Sidewalls



Nozzle



Underside view of skylights



Skylight

HMT's VAPORVAULT™ Floating Cover

HMT's VAPORVAULT™ Composite Floating Cover represents a major breakthrough in the floating cover market. This concept in floating covers provides Separator owners and operators with a clear choice in the type of covers available.

This composite design includes features not found in other covers. This design incorporates the latest advancements in FRP technology and composite construction, resulting in a cover with superior operating performance properties and extended, maintenance free, service life. The strength of this VAPORVAULT™ Floating Cover is unequalled in the industry.

This advanced full-contact type floating cover is constructed of highly corrosion resistant materials. The individual panel sections are ribbed for additional strength and durability. All panel compartments are equipped with test ports to ensure that each compartment is free of dangerous vapors.

All panel connections are designed to be vapor tight. The individual panel flotation compartments are designed to make these covers virtually unsinkable. The patented panel connection system facilitates the field installation process. The advanced composite materials are designed to resist attack from virtually any chemical found in an oil-water separator. These composite materials are also designed to dissipate any static buildup. All cover materials are UV and ozone resistant.



Before



After

These advanced VAPORVAULT™ Floating Covers are engineered to meet the needs of today's stringent environmental and safety requirements.

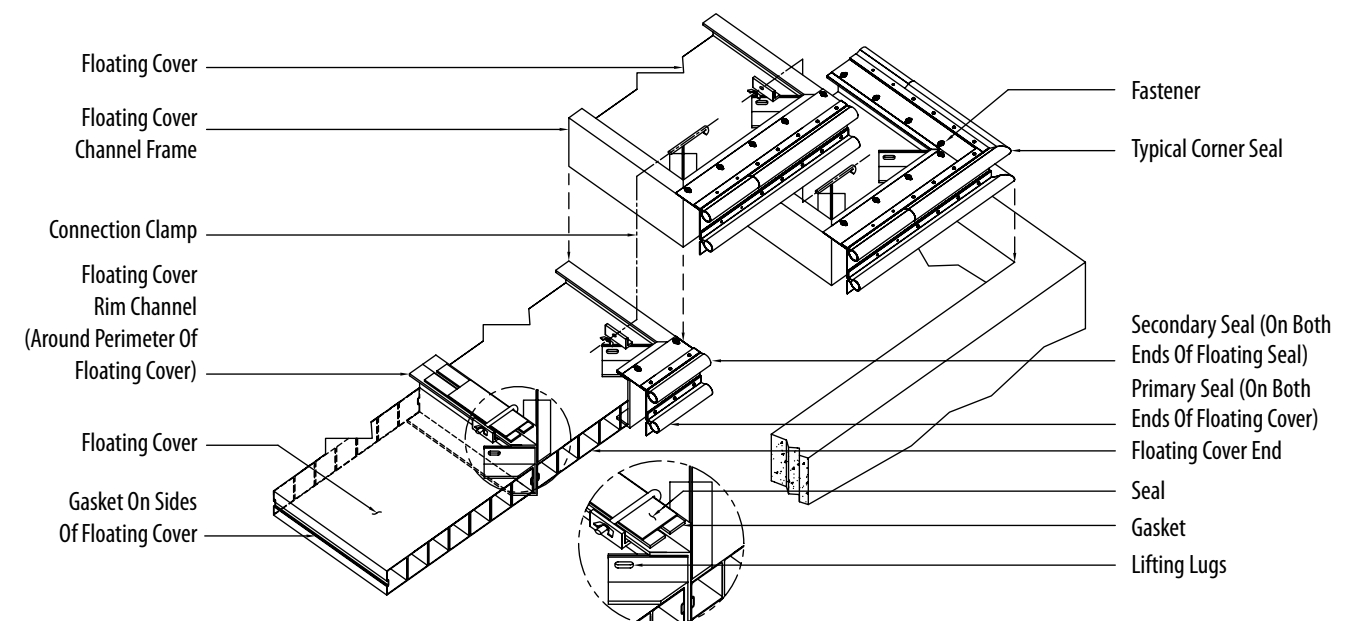
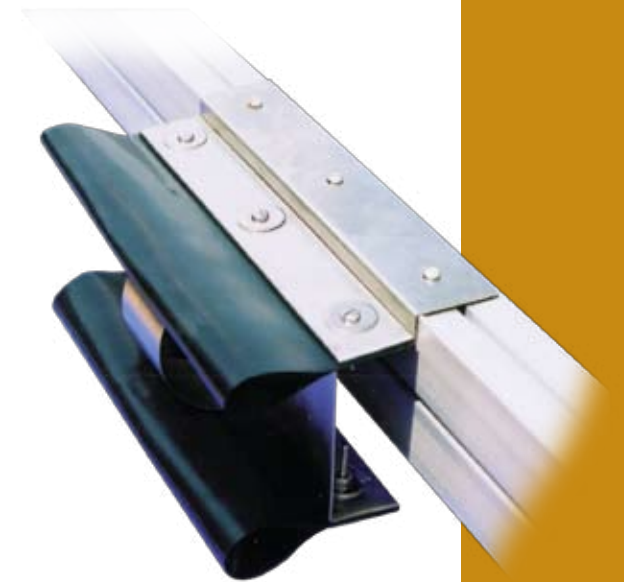


HMT's Oil-Water Separator Seal

HMT's Oil-Water Separator Seal for Basins and Tanks represents a major breakthrough in seal technology. This new double seal exceeds all environmental requirements, while delivering a greatly extended service life. It is constructed of 25 mil thick Petroflex® PTFE (Teflon™) and stainless steel material. The double seal is durable, resists abrasion, rain, UV rays and most waste products. Traditional seals for Oil-Water Separators consist of urethane foam logs wrapped with nonabrasive materials, resulting in a limited life span. Once these elastomeric materials deteriorate, they can become hazardous waste, requiring additional disposal costs.

In addition to spanning irregular shapes between the floating roof and the separator wall, HMT's Oil-Water Separator Seal exceeds all EPA and local regulatory agency gap requirements. Seal installation time is reduced dramatically.

HMT's double seal design greatly extends service life.



HMT's ALUMINATOR™ FPC Flat Panel Cover

HMT's Flat Panel Cover offers the same maintenance free materials that are offered with the HMT Geodesic Dome Roof in a flat panel cover. HMT's aluminum cover is economical, with low initial cost and reduced installation time.

These strong, fixed, durable all aluminum panels provide the owner with an extended, low maintenance service life.

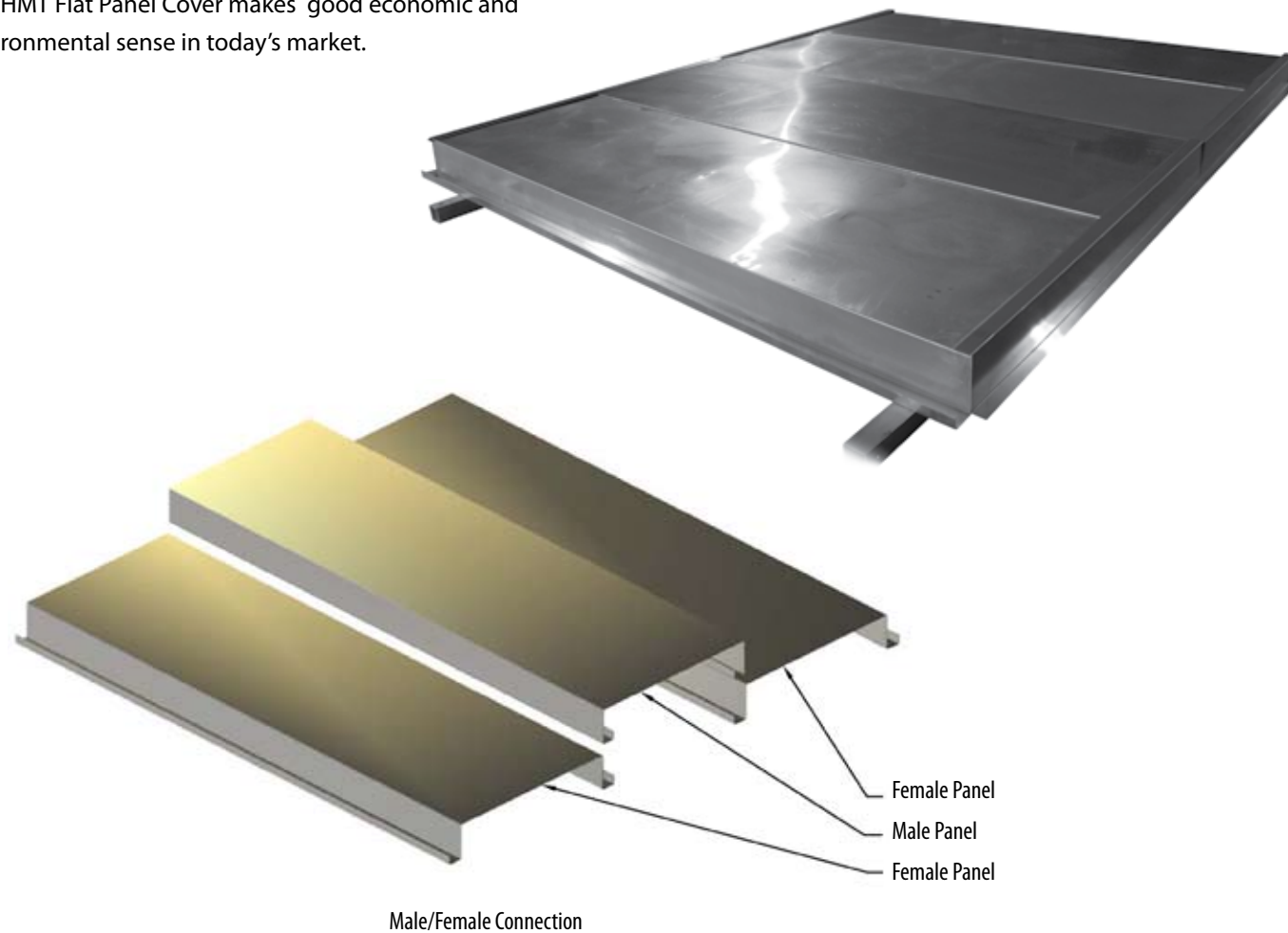
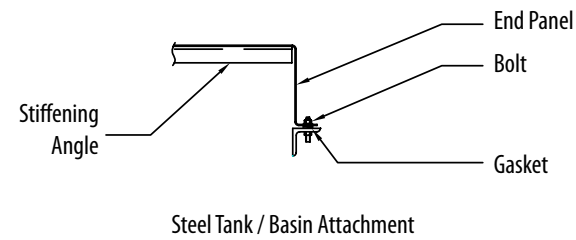
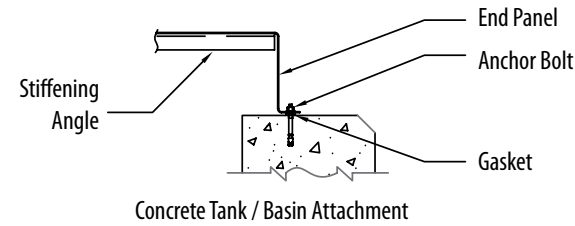
Traditional concrete covers are heavy and hard to remove. The all aluminum flat cover from HMT is lightweight and easily removed. This cover offers excellent odor-control and can be sealed for an additional level of odor abatement.

All panels are shop assembled for ease of installation.

HMT also provides fixed flat panel covers constructed from FRP material.

Skylights, vents and hatches are easily installed.

The HMT Flat Panel Cover makes good economic and environmental sense in today's market.



HMT Services

New Tanks

HMT New Tank Construction Services include the construction of field erected storage tanks to various design standards and specifications, such as AWWA, API and specialty designs. In addition to tank construction, this group provides full design and engineering, civil and mechanical, painting, and other related tank services.

Inspection

HMT offers the latest in NDE equipment for tank inspections, with fully qualified ASNT, AWWA and API certified inspectors. Our engineering services include evaluations per AWWA, API and various other standards.

Repair and Maintenance

HMT provides complete repair and maintenance services, including repairs to clarifiers, daf units, filter tanks and aboveground water storage tanks.

Calibration

HMT Calibration Services include tank calibration, or "strapping" measurements. The services provided include the measurement of any liquid bulk container to provide the necessary dimensions for calculation of capacity tables. These measurement procedures comply with all applicable Standards for Tank Calibration.

Painting, Coating & Lining

HMT's Painting, Coating and Lining Services include a wide variety of internal and external industrial applications for tanks, vessels, piping and other

metal and non-metallic structures. HMT is experienced in determining the most appropriate coating system for the proposed service environment, including standard and non-standard surface preparation, application methods and techniques as well as multi-coat systems

Engineering

Innovative, forward looking designs are created using HMT's unique, state of the art design tools and concepts. Each HMT project is engineered with attention to your bottom line.

Turnkey

HMT provides Turnkey Maintenance Services to include any or all of the various services provided by HMT and others, including maintenance planning, cleaning, inspection, repair, product installation, civil and mechanical work, testing, painting and coating, and commissioning. HMT assists owners in their Maintenance Management programs, providing a "customized" service designed to meet specific facility needs and requirements.

Government

HMT's Government Services group is organized to effectively manage the supply of all the company's current products and services to federal, state and local agencies while maintaining the proper documentation often associated with governmental agency contracts.

Fabrication

HMT is your one-stop resource for all your steel fabricating needs.

