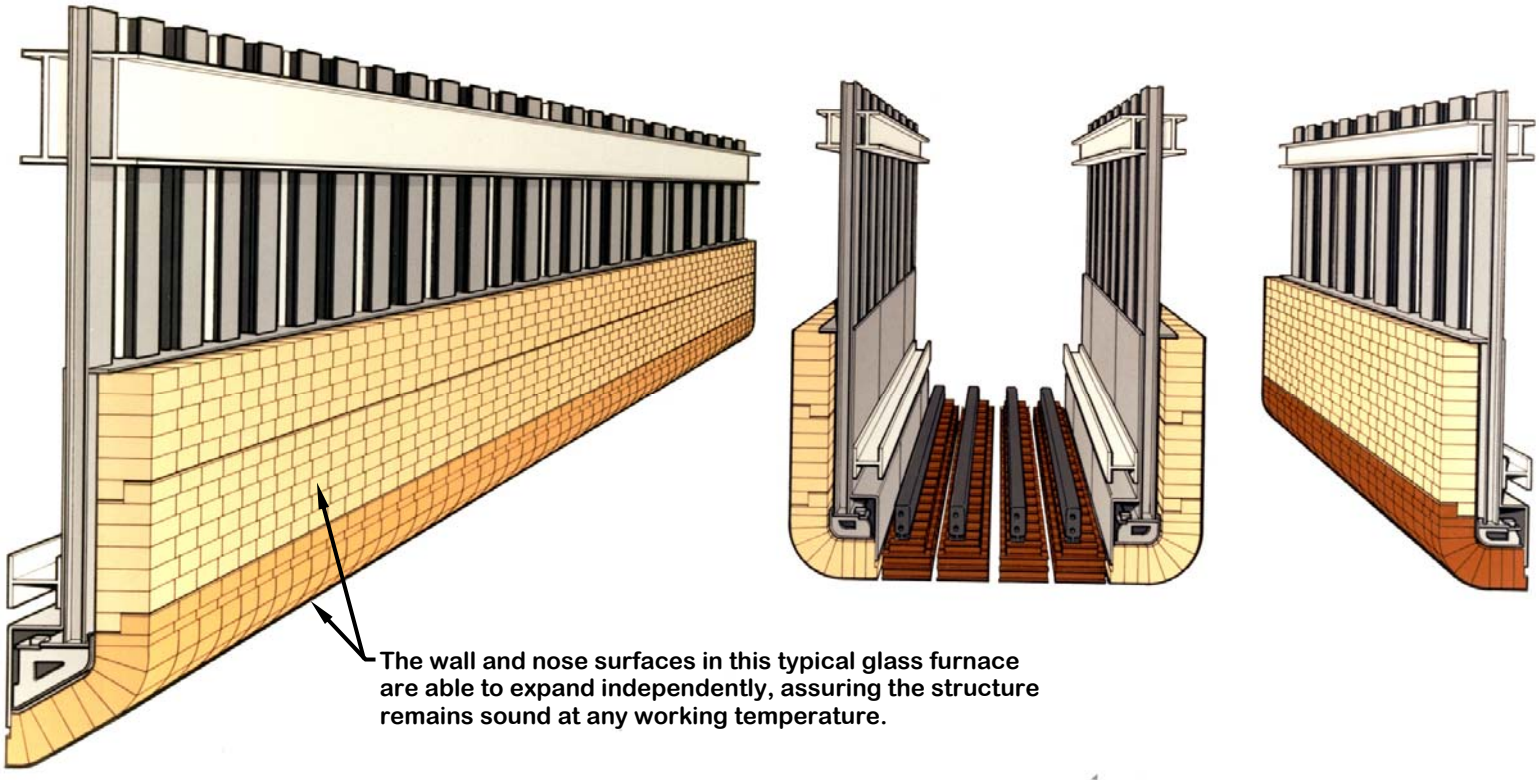
SUSPENDED DESIGNS FOR THE GLASS INDUSTRY

From Float to Fiber

Depending on the type of glass produced – float glass, container glass, or fiberglass - the production processes and heat enclosure requirements differ considerably. Detrick offers appropriate constructions for each of these industries, including suspended feeder end walls, waist walls, waist cover arches, front walls, noses, roofs, float bath entrance hoods, and float bath entrance and exit lintels.

Fiberglass and float glass manufacturers appreciate the stability and physical strength of our refractory constructions for their own specific reasons: in fiberglass production, for their high resistance to chemical attack, particularly that of borosilicate batch gases; in float glass production, for their ease of installation and successful prevention of batch contamination.

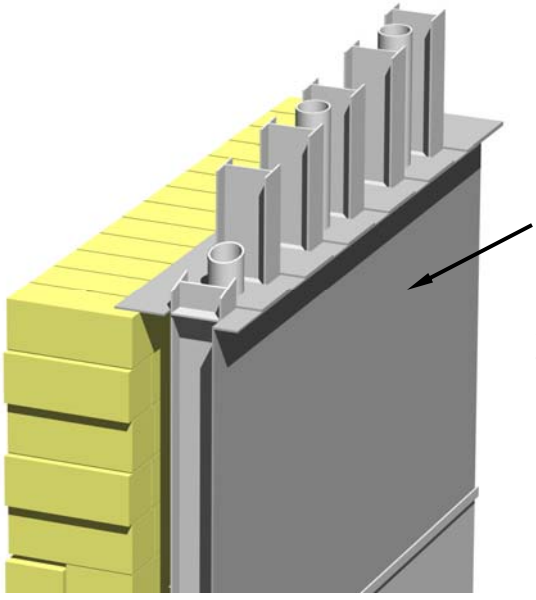


The wall and nose surfaces in this typical glass furnace are able to expand independently, assuring the structure remains sound at any working temperature.

M.H. Detrick Co., together with its international family of associated companies, provides the world's industries with heat enclosures renowned for their cost-efficient service.

M.H. Detrick Co. is the world leader in suspended refractory design. Detrick has been in business since 1914, and is the company that invented suspended refractory designs.

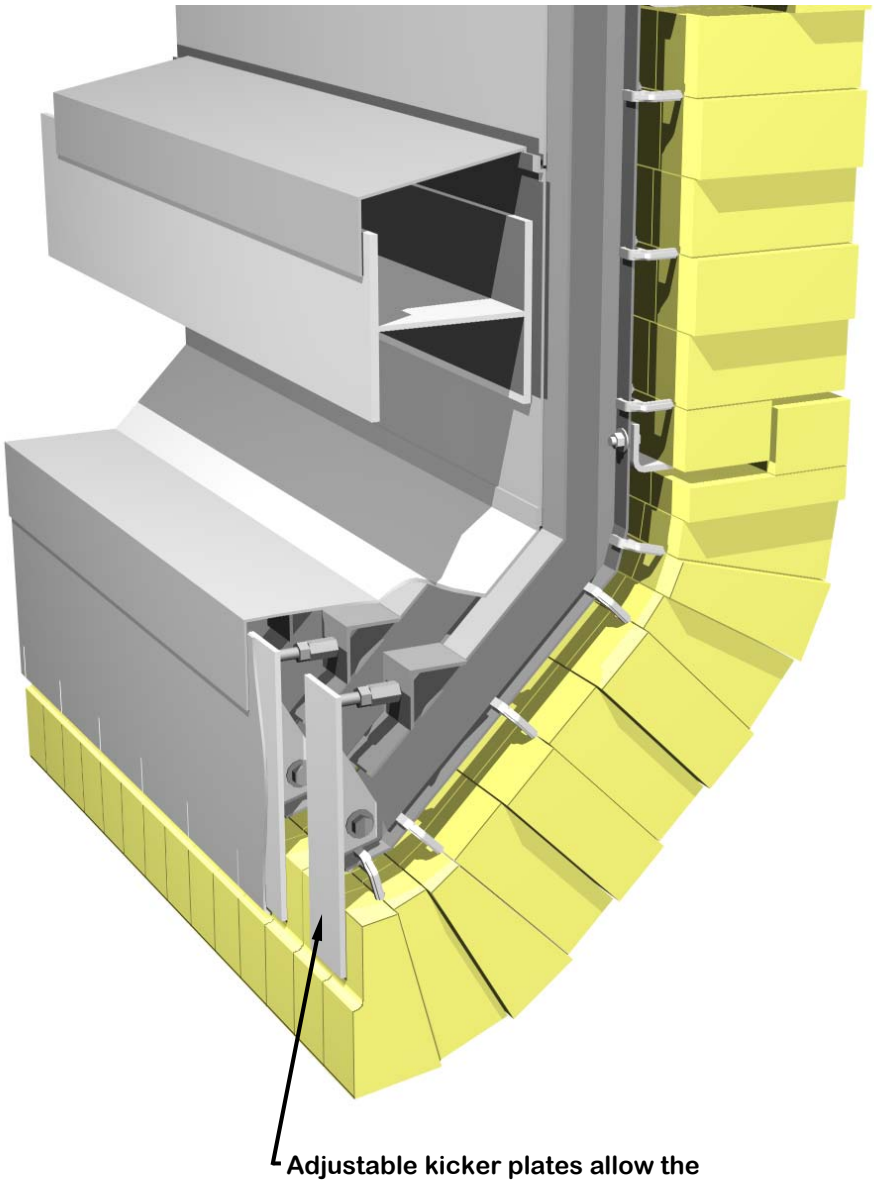
We have offices throughout the United States, with agents and offices in different countries throughout the world. The proven performance of our existing enclosures speaks for itself, and the wide variety of current applications testifies to our flexibility. M.H. Detrick Co. has successfully designed and supplied hundreds of glass projects worldwide.



Pressurized walls create a positive pressure which surrounds the enclosure, eliminating gas penetration through the refractory tile. Tile integrity is protected, and the life of the entire enclosure is extended.

M.H. DETRICK CO.
ENGINEERED HEAT ENCLOSURES FOR INDUSTRY
9400 BORMET RD. - SUITE 10 - MOKENA, ILLINOIS 60448 - U.S.A.
Phone: (708)479-5085 - Fax: (708)479-1030
www.MHDETRICK.com

NEW / ALTERNATE DESIGNS FOR THE GLASS INDUSTRY



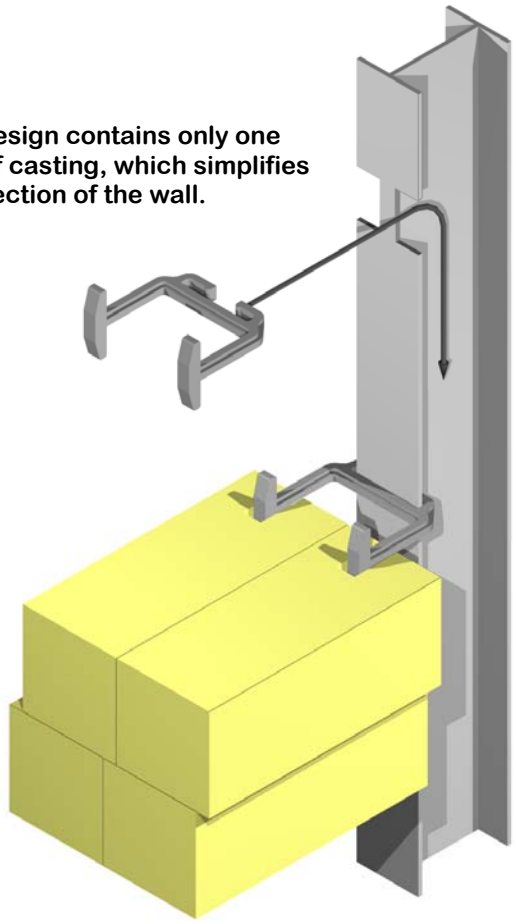
Adjustable kicker plates allow the starter course of nose tile to be aligned, which reduces hacking.

Working Relationships

The primary reason we continue to provide the most advanced enclosures available follows from our close working relationships with glass producers. When specific problems are brought to us they are mutually reviewed, new ideas are presented, and the end results are improvements to existing enclosures, and often significant steps forward in overall construction design.

If you have specific furnace difficulties that keep repeating, it could be worth your while to discuss them with Detrick.

This design contains only one type of casting, which simplifies the erection of the wall.



Materials

The refractory for the Glass Industry is specifically designed for the individual customer's needs. Detrick has supplied silica, bonded Alumina-Zirconia-Silica, fused AZS and bonded mullite alumina refractory. To increase thermal efficiency insulation can be incorporated on these walls. Suspended feeder end walls with various combinations of these refractory materials have provided excellent service for extended furnace campaigns.

Water-cooled shear gates have been supplied by Detrick to seal the melter "stingout" from the batch charger.
Various constructions of this equipment have been used to meet specific customer requirements.

M.H. DETRICK CO.
ENGINEERED HEAT ENCLOSURES FOR INDUSTRY
9400 BORMET RD. - SUITE 10 - MOKENA, ILLINOIS 60448 - U.S.A.
Phone: (708)479-5085 - Fax: (708)479-1030
www.MHDETRICK.com