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SEE DETAIL E

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2204
Veneer to Veneer

1400
Veneer to Veneer

1400
Finish Surface

SEE DETAIL E

SEE DETAIL E

SEE DETAIL E

2000
Veneer to Veneer

SEE DETAIL E

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3200
to Veneer



SOUNDOWN

FOR PEACE AND QUIET

SILENT SINCE 1983

Incorporated in 1983, Soundown's original customers were New England boat builders seeking to build higher quality — therefore quiet — yachts. With Soundown's original line of sound insulation blankets, hand fabricated to customer order, company founder Joseph Smullin helped guide customers through engineered solutions. Before long Soundown earned a reputation as a 'solutions' company for noise and vibration problems.

Since then, our range of customers has expanded. Currently our business ranges from individuals looking to quiet their own boat, to custom builders of all size yachts, as well as production boat builders and manufacturers of engines and other machinery. The scale of projects range from large cruise ships to small music rooms in a home.

The Soundown product line has expanded beyond the insulation blankets to include all major sources of noise in boats. Our manufacturing processes have undergone continued evolution and upgrade to meet the volume and cost efficiencies required to be the leader in our industry. These automated assembly techniques allow for high speed lamination of four-layered composites. Material selections have grown to include a variety of base products that provide noise control effectiveness, longevity, reductions in weight, fire safety, and ease of handling and installation.

Our engineering expertise and experience in the field of noise and vibration control for the marine industry has grown beyond compare. Throughout the years, Soundown engineers and staff have made numerous educational presentations regarding noise reduction at trade gatherings, and our opinion and knowledge of noise control engineering is widely sought and respected.

COMPLETE SOLUTIONS

The wide range of components supplied by Soundown is a testament to our commitment to noise control. Over the years the number of products or Soundowns product line has expanded to cover the growing requirements of our customers to reduce noise and vibration. Our approach to product design and selection is solidly based on our professional engineering understanding of the science of noise and vibration, melded with years of practical experience dealing with the actual service requirements of our various customers.

A WORLDWIDE LEADER IN NOISE CONTROL ENGINEERING

Today, Soundown is a world leader in the manufacture and supply of engineered noise control materials for the marine industry.

Yet our involvement in other industries now include: recreational vehicles, industrial products, portable machinery. Architectural applications. Our range of products include; sound insulation laminates, vibration dampers, installation hardware, engine and machinery isolation mounts, silent shaft systems, and diesel exhaust and ventilation duct silencers.

Materials are available either in bulk or in individual sheets or parts. Our automated pattern cutters allow us to supply production builders with multiple kits of intricate precisely cut insulation parts at a competitive price.

With a team of experienced noise control engineers and technicians we offer assistance in choosing appropriate solutions and select products to solve noise

and vibration problems. We interact daily with boat builders, naval architects, and boat owners to continually improve our products. Soundown materials can be found on boats of all shapes and sizes throughout the world:



Noise Control Composites are a core product of Soundown. These materials consist of sound absorbing foam or fiberglass layers, laminated with sound barriers of leaded or non-leaded mass layers — finished with attractive oil resistant film or fabric. Insulation laminates are commonly used to insulate sound in machinery and living spaces. They stop the escape of sound through the walls of the enclosure and absorb sound within the space. They are also used to reduce noise entering a quiet zone from a noisy area, as in the case of our acoustic carpet underlayment and our "Soundwrap".



Vibration Damping materials are bonded to structural panels (aluminum, steel, fiberglass, and wood) for the purpose of deadening resonant noise producing vibrations. Dampers are used to reduce vibration on surfaces bordering machinery spaces and above propellers. Soundown carries a wide variety of damping materials, suitable to numerous types of construction.



Machinery Isolation Mountings in the Soundown line include rubber and steel spring isolators, used to elastically support items as small as a 5 lb. pump and as large as 25,000 hp gas turbine engines used in cruise ships. We also supply elastic pad materials used for isolation of the structureborne noise of machinery, building slabs, and interior constructions.



Exhaust Silencers for marine engines are custom made proprietary Waterdrop silencers designed for the ultimate in engine exhaust noise reduction. These devices are provided for builders of high quality yachts from small open boats to large yachts. Standard silencer construction is a fire retardant fiberglass with optional construction from steel and aluminum available.



Elastic Shaft Couplings and Shaft Systems offer solutions to noise transmitted in shaft lines on large vessels, and smaller boats with aft cabins.



Custom Cutting capabilities for parts, individual parts or kits are made to our customers' patterns and specifications. These can be die-cut, cut with a digitally controlled knife, waterjet cut. We also offer slitting of elastomeric pad materials. Custom cutting offers our customers high quality parts while reducing labor, scrap, and shipping costs. Soundown technicians can work with your digital files, drawings, or complex pattern images of parts.



Insulation Installation Hardware and Accessories is an important line. It complements the basic insulation products. The line of installation hardware includes adhesives (brush-on, spray-on, and pre-applied peel-and-stick), mechanical fasteners, and edge tapes matched to the insulation finishes. We also manufacture pre-finished perforated aluminum *cladding to protect insulated surfaces, and a variety of soft gasket materials to help seal sound leaks.

*Cladding - is a metal coating bonded onto another metal.

Vibration Isolation Materials

The marine industry standard for vibration isolation material.



Noise Control Composites

Versatile line of insulation products contain noise in enclosed spaces.



Exhaust Silencers

Super silencing for engine exhaust noise.



Acoustic Carpet Underlay

Tuff-Mass and foam decoupler. Ideal for treating noise radiated from carpeted floors.



Engine Isolation Mounts

Rubber and steel spring isolators support items from a 5 lb. pump to a 25,000 hp gas turbine engine.



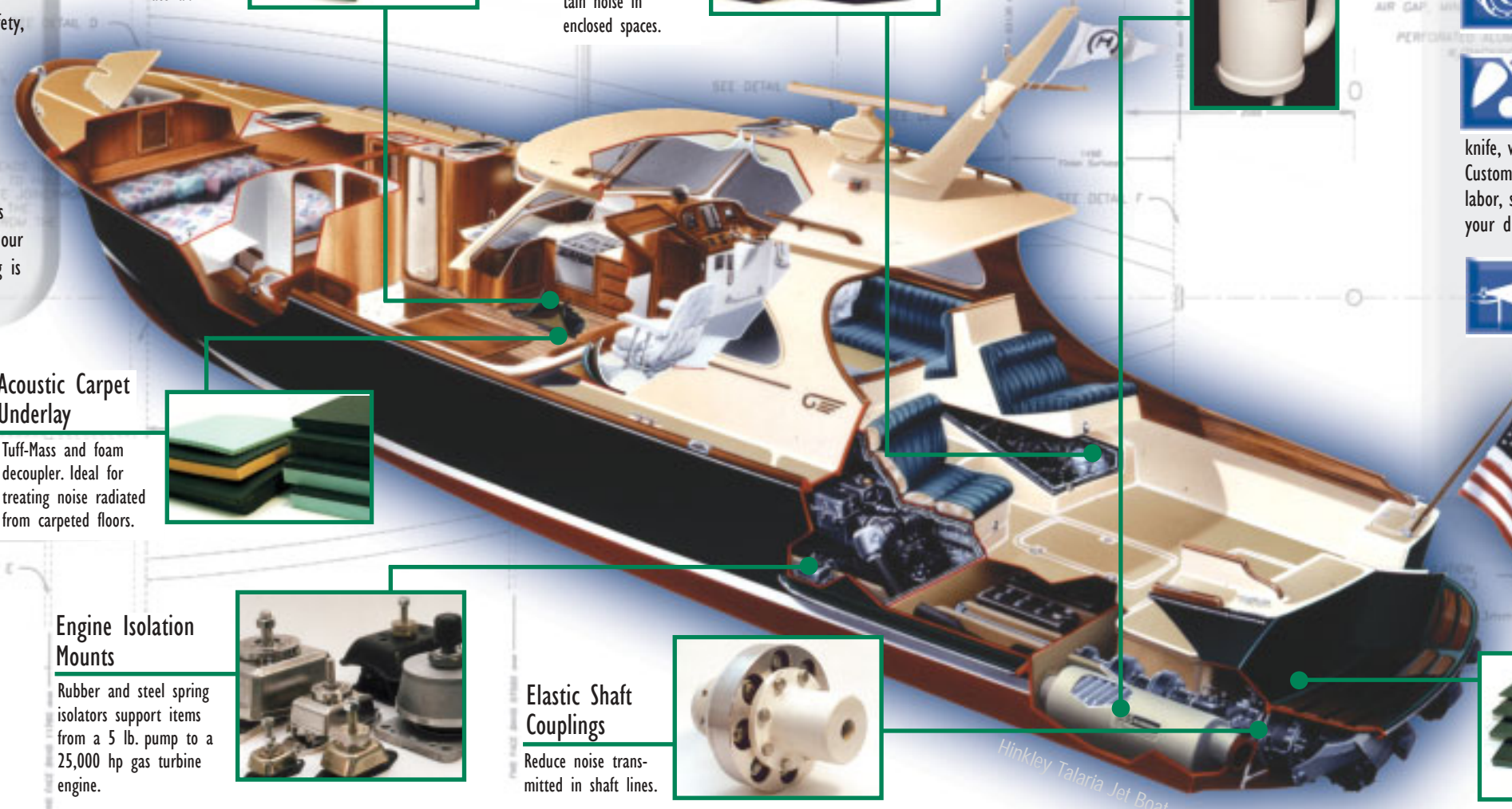
Elastic Shaft Couplings

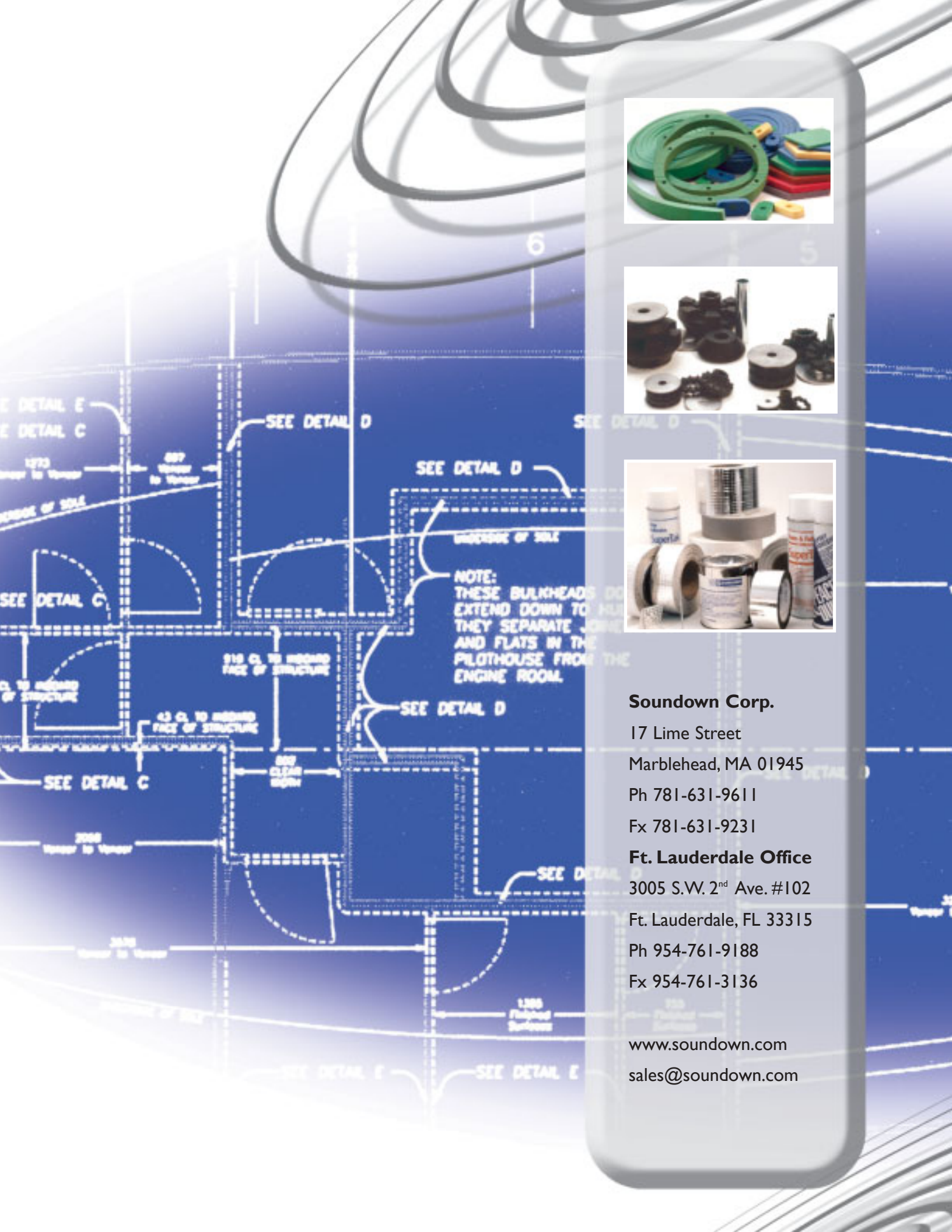
Reduce noise transmitted in shaft lines.



Vibration Dampening Tile

Bonds to structural panels to deaden vibration noise.





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