

HomeXE – Facts & Features



SUSTAINABLE LIVING: HomeXE (extreme environment) showcases a variety of wood technologies. Raised wood-frame structures provide an affordable, sustainable and survivable solution to the forces of nature that routinely impact our cherished Gulf Coast lifestyle – high winds, high water and the highly-destructive Formosan termite.

GREEN BUILDING: HomeXE is built primarily of pressure-treated Southern Pine wood products. Southern Pine is a locally sourced, renewable building material, growing in a vast band across the Southern U.S. from Texas to Virginia. Southern forests are sustainably managed, responsibly harvested and carefully replanted to supply future generations. Raised floor systems harmonize with the natural environment, upholding the floodplain management principle of “No Adverse Impact” on the rights of neighboring property owners and communities.

ACHITECTURE: HomeXE emulates the classic French Creole-style revived by A. Hayes Town, a Louisiana native and graduate of the Tulane University School of Architecture. Foundation piles at front are neatly boxed and trimmed to blend into the traditional design.

FRAMING & SHEATHING: High density gives Southern Pine lumber superior strength and fastener holding power. *Southern Pine framing courtesy Harrigan Lumber and Weyerhaeuser; floor and wall sheathing, Boise Cascade; roof sheathing, Georgia Pacific; logistics and supply, Carruth Brothers Lumber Co. and Lumber Products Inc.*

BUILDER: Ilone “Toni” Wendel,
Olde World Builders & Remodelers
504/488-2872 e-mail: owr@cox.net
ADDRESS: 840 Pontalba St., New Orleans, LA
(Lakeview area)
LIVING AREA: 2181 square feet, two-story,
elevated eight feet above grade
ON GRADE: 612 square feet
(garage, access stair, storage)
PORCHES & DECK: 1386 square feet

CONNECTIONS: All structural systems are connected with galvanized hurricane clips, anchors and ties to prevent uplift, flotation, collapse and lateral movement due to simultaneous wind and water loads. Fasteners were rated for use with treated lumber. *Connectors courtesy Simpson Strong-Tie; fasteners, Maze Nails.*

FOUNDATION: The stiffness and bending strength of wood piles provide excellent resistance to forces of wind and flood. Pressure-treated Southern Pine foundation piles (35 ft. long) support a slab on grade for garage, storage and underfloor leisure areas. Twelve additional piles (45 ft. long) extending 8 feet above grade and connected by treated glulam beams elevate the living area. All piles are driven to refusal, approximately 25 feet below grade. *Piles courtesy Cox Industries, Kisatchie Treating, Lufkin Creosoting and T.R. Miller Mill. Power Preserved Glulam™ beams courtesy Anthony Forest Products.*

FLOOR SYSTEM: A joist system of 2x10 treated Southern Pine lumber is covered with a double layer of ¾” treated plywood.

WALL FRAMING: All pressure-treated Southern Pine. Exterior walls are 2x6 framing, adding structural strength and space for extra insulation, sheathed in pressure-treated plywood.

ROOF SYSTEM: Pressure-treated Southern Pine roof rafters, sheathing and shakes rated for wind speeds up to 150 mph. *LifePine® shakes courtesy Cox Industries.*

STAIRS & PORCHES: Pressure-treated Southern Pine lumber includes tongue-and-groove 1x4 treated porch flooring, railing, stair stringers and bull-nosed 12” treads. *On front porch, pressure-treated New Orleans-style laminated turned columns courtesy Cox Industries.*

SHUTTERS: Custom-built, hinged Southern Pine hurricane shutters are functional as well as decorative, shielding windows from damage during storms. *Shutter trim boards (5/4 x 6" and 5/4 x12") courtesy Ray White Lumber.*

SIDING & TRIM: Imagine real wood siding and trim with long-term resistance to decay. Pressure-treated Southern Pine provides the best of both worlds. All material is kiln-dried after treatment (KDAT), removing excess moisture prior to installation, enhancing dimensional stability, and making the material better prepared to accept paints and stains. *Pattern #105 drop siding courtesy Mid-States Wood Preservers. Treated window, door and fascia trim courtesy Klumb Lumber.*

FLOORING: Since Colonial times, Southern Pine floors have proven extremely durable and attractive. *Southern Pine flooring sourced from forests certified by and managed to Sustainable Forestry Initiative (SFI) standards, courtesy Westervelt Lumber (1x4 tongue & groove, standard match, hollow back, No. 2 grade).*

ENERGY EFFICIENCY: Wood is a natural insulator. Fiberglass batt insulation used throughout the exterior walls (R-19) and in the attic (R-30). Windows are .40 rated for energy efficiency. *Mechanicals feature a tankless water heater and Energy Star rated Bosch appliances.*

WOOD PRESERVATIVES: Wood preservation contributes to forest conservation. By extending the life of wood products in service, preservatives help ease overall demand on forest reserves. The unique cellular structure of Southern Pine permits deep, uniform preservative penetration, rendering the lumber useless as a food source for decay fungi and termites (including Formosan). The pressure treatment process forces preservatives into the wood's fiber, bonding permanently. HomeXE features EPA-registered, building code-approved wood preservatives backed with limited lifetime warranties offered by their respective manufacturers. *Pressure treating services courtesy Elder Wood Preserving, Mid-States Wood Preservers and Cox Industries.*

HomeXE wood preservatives, by component:

Shakes: Wolmanized[®] Copper Azole has earned the Good Housekeeping Seal of Approval.

Siding & Trim: Wolmanized[®] L³ is a low-impact preservative and Greenspec[®] listed as an environmentally preferable product.

Lumber & Plywood: Osmose[®] Micronized Copper Quat MicroPro[®] technology has earned Environmentally Preferable Product status by Scientific Certification Systems.

Glulam Beams: Copper Naphthenate is a low - impact, environmentally friendly preservative in commercial service since 1911.

Foundation Piles: With a 70-year record of safe and effective use, Chromated Copper Arsenate (CCA) continues its EPA-approved service in heavy-duty structural applications, such as foundation piles.

RESOURCES:

<i>Anthony Forest Products</i>	<i>AnthonyForest.com</i>
<i>Boise Cascade</i>	<i>BC.com</i>
<i>Carruth Brothers Lumber</i>	<i>CarruthLumber.net</i>
<i>Cox Industries</i>	<i>CoxWood.com</i>
<i>Elder Wood Preserving</i>	<i>ElderWoodPreserving.com</i>
<i>Georgia-Pacific</i>	<i>GP.com</i>
<i>Harrigan Lumber</i>	<i>HarriganLumber.com</i>
<i>Kisatchie Treating</i>	<i>318/645-6122</i>
<i>Klumb Lumber</i>	<i>KlumbLumber.com</i>
<i>Lufkin Creosoting</i>	<i>936/634-4923</i>
<i>Lumber Products</i>	<i>LumberProductsInc.com</i>
<i>Maze Nails</i>	<i>MazeNails.com</i>
<i>Mid-States Wood Preservers</i>	<i>318/247-3741</i>
<i>Osmose</i>	<i>Osmose.com</i>
<i>Simpson Strong-Tie</i>	<i>StrongTie.com</i>
<i>Southern Pine Council</i>	<i>SouthernPine.com</i>
<i>Southern Pressure Treaters</i>	<i>SPTA.org</i>
<i>Timber Piling Council</i>	<i>TimberPilingCouncil.org</i>
<i>T.R. Miller Mill</i>	<i>251/867-4331</i>
<i>Westervelt Lumber</i>	<i>Westervelt.com</i>
<i>Weyerhaeuser</i>	<i>Weyerhaeuser.com</i>
<i>Wolmanized</i>	<i>WolmanizedWood.com</i>

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