

In every ordinary home sound is found all around

MC Building, Inc. continues its endeavors to build with a healthy tilt  
Attempting to include valuable innovations to the hilt

A home should be secured from outside loud noise to revel in quiet within its walls and all  
The interior spaces will also appreciate quiet sound from other interior places

Quiet is a preferred building quality essential for enjoying a healthy home  
The impact of unwanted loud sound can develop some health concerns.  
No person is poised to absorb loud noise.

We seek Acoustic Comfort by eliminating unnecessary sound transmission  
By discovering and building with products that provide such protection  
Creating an environment pertinent to maintaining good health  
Which is potential motivation to achieve more wealth  
So you can clearly hear your minds important thoughts

Sound is pleasing but unwanted sound is NOISE.

There are many joys related to less noise  
And the benefits of controlling sound are:  
Savoring tranquility  
Encountering less stress  
Possessing and relishing well-being  
Receiving an endless relaxing feeling  
Enriched periods of deep sleep  
You'll never fear what you hear

Thrilling waves of loud sounds are acceptable...translating to tons of entertainment  
In your fun filled arcade located in your fully furnished basement  
Including your spectacular Home Theater establishment

We love designing spaces meant to prevent cheery loud sound from penetrating all around (the house)  
The fully furnished basement is dedicated to feature an arcade of Toys  
Where all the available activity creates joyful noise  
And permits men to be boys  
Again.....and also with their entire family and friends  
To anticipate fun where it's allowed to be loud and proud

The loud sounds are effectively bound  
And controlled in the fully furnished basement  
Including our extraordinary home theater statement  
By means of all our Acoustic Comfort developments

You can hear the beauty of sound and silence in our homes

Listen and you'll hear the quiet sounds of living in a Boks modular or a custom home

We at MC Building, Inc. continue to endeavor and discover new building systems, attributes and new construction products to craft healthier homes. Home owners are not fully aware of the importance of living in a quiet home. We feel responsible to heighten awareness of all the potential merits of what homes will offer. We are now placing attention to the importance of a quiet home in two ways. Our first focus in this composition is crafting an exterior wall assembly to prevent outside noise from entering your home and then an interior assembly to contain the intentionally created sound within the rooms of your home. We aim to maintain acoustic comfort.

In this proposed construction process we are featuring high performance building products specializing in reducing or attempting to control sound transmission successfully. Areas of focus are the exterior walls and the fully furnished lower level where we plan to include an elaborate entertainment arcade and an impressive home theater room.

Read our description of the construction process of building an exterior wall assembly achieving noise reduction and acoustic comfort:

Let's walk through the construction process by first including structural "Tstuds" on our exterior walls. "Tstuds" are spaced 24 inches On Center and are 5 ½ inches thick allowing 5 ½ inches of sound absorbing fiberglass insulation. Our next sound prevention item is installing ½ "Homosote" 440 sound barrier board as the first layer nailed to the "Tstuds". We then install 5/8 inch thick firecode drywall over the 440 board for a finished interior wall.

For interior ceilings we install 6 inch batt insulation in between the floor/ceiling joists. We then install 3/4 inch "sound curb" drywall by Pabco directly to the floor/ceiling joists.

Now the construction sequence is building sound barriers into interior walls to contain positive intentional loud sounds inside your rooms:

Place 3 ½ fiberglass batt insulation in between the wall studs and then install "Quietrock" 5/8 inch drywall on both wall sides made by Pabco. The drywall is two layers one layer is ¼ and the other is 3/8 inch drywall sandwiched together. Also install quiet putty around electrical boxes and quiet seal pro compound sealing the perimeter.

Now describing the process to contain sound in the fully finished lower level where the exciting fun Arcade Area is:

In the arcade area we first install 2x4 walls with 3 ½ inch fiberglass batt insulation in between the studs. Next we install the "IsoMax" clips to the wall studs and then secure their furring channel to the "IsoMax" clips. The next step is fastening the "Quietrock" drywall to the furring channel.

For the arcade ceilings we install ¾ inch "sound curb" drywall by Pabco

Finishing with the construction sequence built to contain vibrant sound within your home's favorite room, The Spectacular Home Theater:

To contain the impressive sound inside the home theater you begin working on the walls first: We install 2 layers of 5/8 inch firecode drywall. In completing drywall work for the entire house the ceilings are always installed first. In the home theater we install drywall on the walls first. On the top edge of the perimeter drywall we install "Ceiling Perimeter Tape" so the ceiling drywall presses against this sound damping material. And on the floor we install "Resilient Wall Strip" where the 2 layers of 5/8 drywall rest on top.

For the basement ceiling in the Home Theater we first install 6 ½ inch batt insulation in between the joists, next we install ICW "Wood-framing ceiling Hanger" to the floor joists. The ceiling hangers require two metal channels, one attaches to the ICW "Wood-framing Ceiling Hanger" and the 2<sup>nd</sup> channel called the furring channel attaches to the first channel. We then install the first layer of 5/8 firecode drywall, screwing it the furring channel. We then apply "Sound Damp" compound on the bottom of the first layer of 5/8 drywall. We install another layer of 5/8 firecode drywall on to the first layer to cover the applied "Sound Damp" compound. And before we install the second layer of 5/8 drywall, we install "Acoustical Sealant" around the perimeter at the top edge of the drywall. Now you have a finished drywall surface ready for paint or another sound absorbing attractive surface.

The construction sequences written are specifically built to favor the specialized products manufactured by "Kinetics Noise Control", Pabco Gypsum and Homosote Product Company.

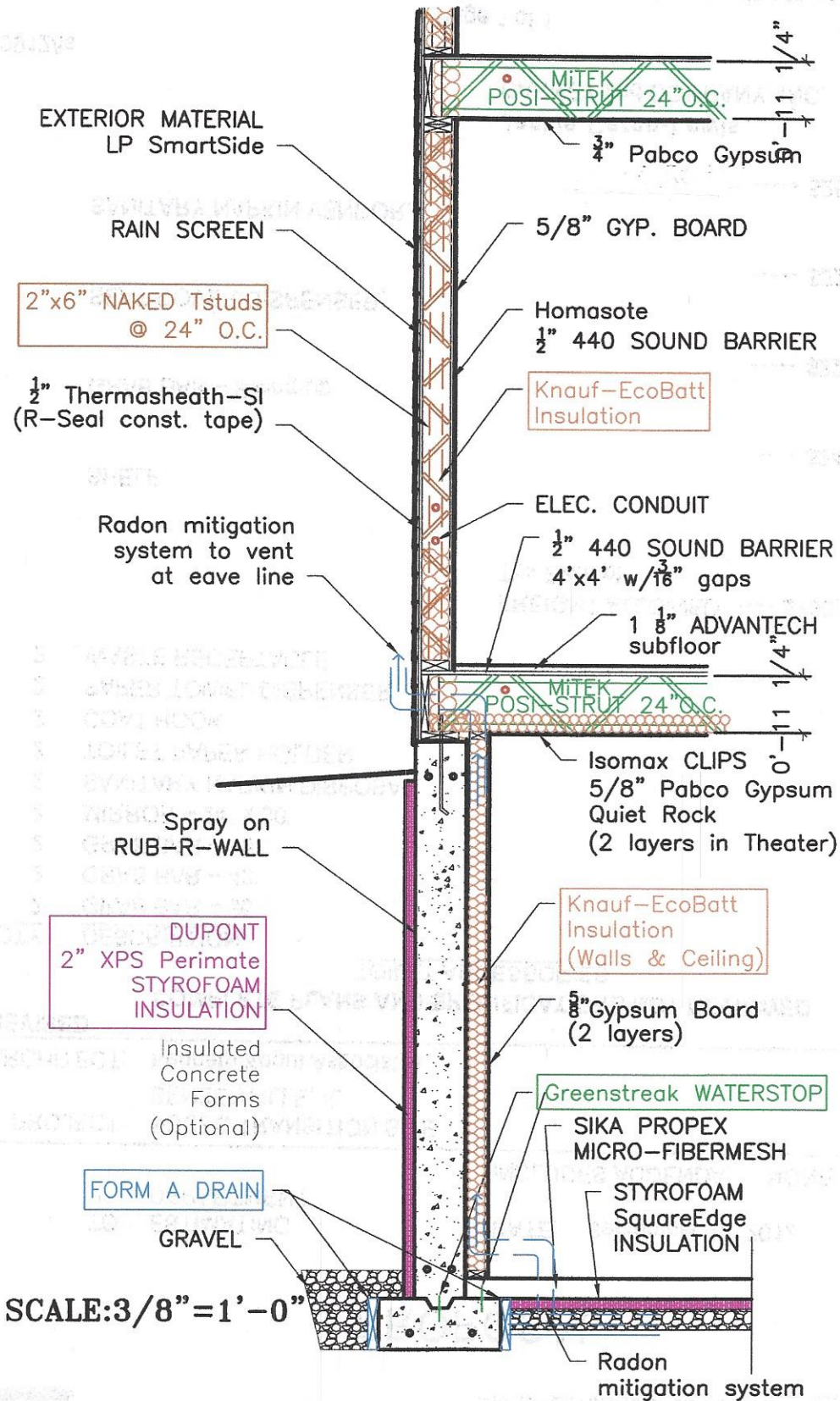
Kinetics is a company specializing in manufacturing their industry's largest selection of products and solutions that control airborne noise, isolate structure-borne vibration, enhance room acoustics and create quiet spaces. You can view the installation process on the Kinetics website "[kineticsnoise.com](http://kineticsnoise.com)"

Pabco Gypsum is family owned and operated and has been producing gypsum products with superior customer service throughout North America for nearly 50 years.

Pabco Gypsum products are specifically designed to include enjoying quiet, controlling fire spread, handle potential mold and moisture issues. Their product portfolio will meet all your gypsum panel needs.

Pabco Gypsums "Quietrock" is the first and most technically advanced sound reducing drywall in the industry.

More information is available about Pabco Gypsum and Homosote Product Company under the title "Exceptional Building Products" and "More Exceptional Building Products" located on the top of our home page.



# High Performance Wall Section

Another sound controlling attribute for homes we feature:

A “Quiet House” is a plumbing waste system designed by Charlotte Pipe and Foundry.

A home’s waste water travels through pipes to exit your home usually made from typical PVC plastic. The “Quiet house” system is designed so waste water travels through cast iron pipes. The necessary vent pipe lines which travel upward toward the roof for venting air are made of the economical PVC plastic. The cast iron pipes are thick and durable which eliminates rushing water noise. So there is no need to invest labor and insulation material around the cast iron pipes. The vent lines are necessary to help regulate the air pressure in the pipes so water flows freely and allows waste water gases to escape. And no one wants to hear where waste water is running inside the walls.

The combination of the two pipe materials creates the quietest waste water system and the only manufacturer of both cast iron and plastic pipe and related fittings is Charlotte Pipe and Foundry.

The cast iron pipes are hubless and fit inside a 2x4 wall. So there is no need to create 2x6 plumbing walls thus losing precious floor space and the added 2 inches of lumber cost.

The cast iron pipes are manufactured from 100% recyclable materials and exceed industry standards. The durability of cast iron pipes can last over 100 years a lifetime of quality.

For over a century Charlotte Pipe has been manufacturing pipe & related fittings & employs 1,400 plus loyal, hardworking Americans. All our products are proudly USA made.

