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LIGHTNING AND YOUR HOME

No single technology can prevent damage as a result of high energy over-current and over-voltage transients induced by direct lightning strikes or conducted into a house or building by power and telecommunication lines. Some interesting statistics:

- The violent surge of electrons in a lightning bolt heats the air to a temperature in excess of 50,000°F - that's about five (5) times the temperature of the surface of the sun!
- Peak currents can exceed 200,000A – most houses are serviced by 200A – 600A
- Multipulse surges are experienced in over 70 per cent of direct strike situations. This is a naturally occurring phenomenon where



up to 20 re-strikes may follow the path of the main discharge at intervals of 10-200 milliseconds.

- Continuing currents of 200-500A lasting 1-2 seconds may also occur.

In the aftermath of a lightning strike, we encourage you to seek professional assistance. We also suggest the following areas be checked:

- Electrical System (Earth Grounding, Panels, Sub-panels, GFCI, Arc-Fault and Breakers)
- Structured Wiring System (NID and Connection Centers)
- Security System (Primary & Secondary Power, Interfaces, Sensor & Contact devices)
- Lighting Control System (Modules, Interfaces, and Program Integrity)
- Entertainment System (Components, Systems, Protection Devices)



GENELEC®

Professional audio monitoring has been the core business of Genelec since its founding in 1978. Their unrivaled commitment to research and development has resulted in a number of industry firsts and established Genelec as the industry leader in active monitors.

Nearly 30 years later Genelec

monitoring products remain true to their original philosophy- offering reliability, neutral sound reproduction regardless of size, as well as the ability to adapt frequency response to the listening environment.

Genelec has expanded its attention to the Custom Install market and is rapidly coming into prominence in high end theater installations. "I just had my first road

trip with Genelec's Bart Lopiccolo, and was completely blown away by the performance of the products. Once again, we are blessed with great stuff in our lineup and great business partners like eLife-spaces!" commented Jim Kershaw, a Genelec Representative out of Nashville, TN.

Find more about Genelec at their web site,



<http://www.genelecusa.com>.

SAFETY: HURRICANE PREPAREDNESS

Well it's that time of year that we are thinking about the "H" word, **HURRICANES**. Everyone from the national and local level of news reporting is prognosticating the next big blow. Are you and your loved ones prepared?

During the hurricane season everyone in the lowcountry should make sure they have inventoried and refreshed their emergency supplies. Other preliminary precautions to take this season include:

- ☑ Plan an evacuation route
- ☑ Teach family members how and when to turn off gas, electricity, and water
- ☑ Teach children how and when to call 9-1-1, or fire department and which radio station to tune to for emergency information
- ☑ Learn safe routes inland and the locations of official shelters

There are many different levels of danger that determine the possible threat to South Carolina. When establishing these different levels another thing to consider is if there is a weather WATCH or WARNING. A weather watch is less of a threat than a warning. The difference between the two is that a watch determines that conditions are possible in the specified area and a warning is that conditions are expected in the specified area.

The American Red Cross has published a list of the six basic supplies one should stock in case of an emergency. The list includes the following:

1. Water
2. Food
3. First Aid Kit
4. Tools and Supplies
5. Sanitation
6. Clothing and Bedding

For a more in depth look at what each of these categories entail please visit <http://www.redcross.org/services/disaster>



Other helpful websites:

SC Emergency Management Division:
www.scemd.org
 NOAA: www.nhc.noaa.gov
 SC Department of Transportation:
www.dot.state.sc.us/getting/evacuation.shtml
 FEMA: www.fema.gov

ELIFESPACES HOSTS CHARLESTON TRIDENT HOME BUILDERS ASSOCIATION EVENT

[Charleston, SC– 6/17/2008] Over fifty members and guests of the CTHBA came out to the "Builder's After Hours" hosted at eLifespaces' new facility on Meeting Street. Members took advantage of the reference level Home Theater, the audio/video calibration room, not to mention the number of Wii contests that broke out at the gaming display!

The objective of the "Builder's After

Hours" is to have fun and act as the membership public relations arm of the CTHBA. The "After Hours" program promotes general membership services and enhances goodwill for the CTHBA in the community. It poses as an effective forum to assist in the recruitment of new members through personal contacts, membership involvement, and to encourage involvement, awareness, and maximum member retention.

This year, Lifespaces, Inc. and its group of technology contracting companies, eLifespaces and eSecurity, are proud to further assist the CTHBA and the many other fine membership organizations by sponsoring its 2008 membership drive. Grand Prize will be a 60" High-Definition Pioneer flat screen television along with a super bowl party!



STREET CLEANING IN BEAUTIFUL CHARLESTON, SC



[CHARLESTON, SC – 5/31/2008] Now celebrating its 20th Anniversary (1988-2008), Adopt-a-Highway has been one of the most successful programs in com-

bating litter along South Carolina highways ever enacted. Beginning this year, Lifespaces, Inc. and its group of technology contracting companies, eLifespaces and eSecurity, are proud to assist the South Carolina's Department of Transportation and the many other fine organizations involved in these noble efforts.

Saturday morning at 7:30AM, approximately 30 individuals from the eLife family began sweeping the two mile stretch of King Street between Mt Pleasant Street and Summerville Avenue. Sixty-Seven (67) ounces of trash were collected, not

to mention old tires, railroad ties and other assorted disgusting items.

"One of our core values at eLifespaces is ownership," said Frank Smith, who was in charge of the company's efforts. "We care about our community and are taking responsibility for enhancing its beauty." South Carolina's beautiful landscapes are one of the state's most precious natural resources. Not only that, with millions of tourists coming to the state each year, our scenic beauty is also an important economic resource - one we need to protect.

FREQUENTLY ASKED QUESTIONS...

I just bought a new wide screen TV. When watching a movie, why do I still have "black bars" on the top and bottom of my screen?

The size of the screen image is typically referred to as its aspect ratio. Most folks use the term "widescreen," "letterbox," or "16:9" to describe this new screen size. Most industry practitioners use the term, "1.78;" meaning that for every 1.78 units in horizontal width, one (1) unit of screen height is required.

What a difference from traditional television having a screen ratio of 1.33 (a/k/a "4:3")!

Unfortunately, Hollywood didn't get the memo about the standardization to the new screen size. Most movies are filmed in a format where they were shown in ratios of 1.66 all the way up to 3.00! Historically, because TV screens were not that wide, we were subjected to movies having visual portions completely cut off so that the image will fit on our screens.

This is where widescreen videos and DVDs come into play. The widescreen transfer process actually shrinks a movie down so that the entire visual image fits on your television screen. This results in what are inaccurately called "black bars".

Please note that many of these formats are obsolete, but we have noted at least

seven (7) different aspect ratios used in the film industry. They are listed here because movies which were filmed in these formats are available on DVD using these original formats:

- Cinerama [2.77 – 3.00];
- CinemaScope [2.35 – 2.66];
- Panavision [2.40];
- VistaVision [1.70];
- Todd-AO [2.20 – 2.35];
- Technirama [2.20 – 2.35];
- Academy [1.33]; and
- Super 35 [varied by "cropping image"].

www.elifespaces.org/faqs

HOME NETWORK SURVEILLANCE CAMERAS

Until recently, video security and surveillance could only be accomplished using Closed Circuit Television (CCTV) cameras. This technology depended on analog cameras, long runs of coaxial cable and video tape recorders and typically could only be viewed from specific locations using a video monitor. However, with the introduction of network cameras, all of that is quickly changing.

Imagine the peace of mind you can have from being able to view your home from anywhere in the world; anytime you wish. All you need is the internet, a

web-enabled device such as a cell phone, laptop or even an iPod, and your home is only an IP address away anytime you feel the urge.

Network cameras come in many different styles, but by far the most popular with our clients have been the PTZ or Pan, Tilt, Zoom cameras. A PTZ camera can provide you with unbelievable control via a built-in web interface that will allow you to have complete control of your camera while you view from any location.

Gone are the days when cameras had blind spots, these intelligent cameras have the ability to pick up motion and then lock in and track an intruders every move, record it and even send you an image via email of what it just recorded!



**Licensed and Insured
Electrical**

eLifespaces is going above and beyond the competition. With licensed and insured electrical personnel we truly have all of the integration industry bases cov-

ELECTRICAL AT YOUR SERVICE!

ered. We are a full service, completely internal operation, run integration company. With this complete service we offer our lead electrician, Brian France, who can do:

- Retrofits and renovations
- Service and Repairs (24/7)
- New outlets, switches, and lighting

- Low voltage (TV, phone, data) cabling

- Energy management systems

There is no job too big or too small for the complete services of Mr. France.

After normal business hours Monday-Friday 8:00am- 5:00pm you can reach Mr. France directly at (843)724-1539.



PLEASE
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HERE

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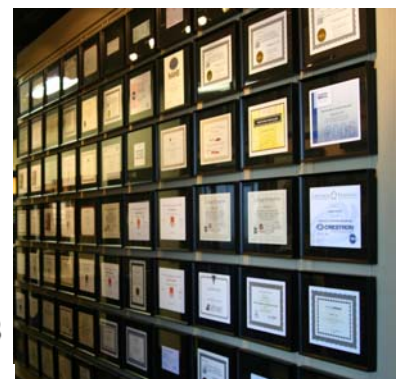
About lifespaces®

We are technology contractors. Providing electronic systems contracting, security and audio visual (AV) services over two decades, the company directors and technical practitioners hold multiple licenses and certifications in the construction, low voltage cabling, electronic, security (both fire & burglar), and electrical contracting fields. As design & installation contractors, our goal is to make the technology in your lifespaces intuitive, invisible, and incredible. Whether it's Video Conferencing, THX Home Theater construction, ISF® Video Calibration, HAA® acoustic calibration, CCTV systems, or any number of other specialized requirements, let our team of Industry Certified Professional Designers and Installers address your technology needs.

Product Lines include McIntosh, Genelec Integra, Jamo, Sonance, Totem Acoustics, Stealth Acoustics, Pioneer, NEC, Sharp, Digital Projections, ScreenResearch,

Inteset, LiteTouch, CentraLite, Vantage, Russound, Crestron, Extron, Ashly, Panamax, EquiTech, and many others.

We are also members of ICIA (International Communications Industries Association), CEDIA (Custom Electronic Design & Installation Association), the NAHB (National Association of Home Builders), CEA (Consumer Electronics Association), NBFAA (National Burglar & Fire Alarm Association), SCAA (South Carolina Alarm Association), HAA (Home Acoustics Alliance), AIA (American Institute of Architects), ASID (American Society of Interior Designers), and Better Business Bureau of SC. We hold many industry awards, the most recent of which was Winner in the Consumer Electronics Associations 2008 Mark of Excellence in multiple categories.



Certification Wall