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AMERICAN PRO AUDIO DESIGNS AUDIO SYSTEM USING ELECTRO-VOICE® EVID™ LOUDSPEAKERS AND CPS2T™ AMPLIFIERS AT ST. OLAF COLLEGE, MINNESOTA

Northfield, MN (October 10, 2003): St. Olaf College, Northfield, MN, has a new \$13 million track and field facility, the Tostrud Center, featuring an Olympic-sized running track, fully-equipped weight rooms, fitness area and a full-sized rock climbing wall, along with a state of the art audio system. The complex, which opened in Spring 2003, allows students to exercise and compete all year round through harsh Minnesota winters, whilst staying both entertained and informed by the 4-zone sound distribution system's 84 Electro-Voice EVID loudspeakers, powered by (3) EV CPS2T amplifiers. The system was designed and specified by American Pro Audio (american proaudio.net), based out of Minnetonka, MN, and installed by Fette Electronics of Faribault, MN. American Pro Audio have been leading distributors in sound recording and reinforcement equipment in the Twin Cities area since 1988, and the St. Olaf installation represents an ongoing working relationship with the school.



EVID 3.2Ts line the track in clusters of two

Lee Windsperger, owner of American Pro Audio, Inc., considers his company's success to be a direct result of providing the right equipment for the right

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application or budget through a combination of informed and experienced staff and a genuine regard for the integrity of both product and service. This record of satisfaction is now being extended into installation projects like St. Olaf: "The EVIDs at St. Olaf characterize American Pro Audio Inc.'s continued movement toward designing large scale installation projects using state of the art equipment. We carry the product and my team has the expertise, so it makes sense to become more involved in contracting at this level."



The main track space at the Tostrud Center is approximately 150 x 300 feet, and will be used primarily for tennis and basketball. A narrow gallery looks over the track, and is used for running and walking. This is also where 70 EVID 3.2Ts are installed in pairs, surface-mounted upon weight-bearing steel buttresses. Circumnavigating such a vast space with sound reinforcement was no mean feat, especially in terms of cable lengths and laying challenges. Lengthy in-floor and in-ceiling conduits carry output and return cables to the far reaches of the installation, from where the EVID 3.2s are daisy chained in a conventional fashion via wall mounted pipes. These main conduits allow for upgrades and system additions to occur with minimal structural interference: the main track room is set up for future expansion with ceiling mounted standard input boxes for microphones, etc. Similarly, clusters of Electro-Voice FRX speakers are also being considered for the far end of the track room. Roger Fette of Fette Electronics commented: "This really is a premium install,

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right from the attention to detail in the system design, routing, DSP, etc., to the equipment specified to make it come to life. The EVIDs simply look and sound amazing. Lee really thought this out well."

The contemporary, elliptical profile of the EVIDs sits well in the building, which features a post-industrial look replete with exposed ducts. I-beams and conduits that bring attention to the integrity of the structure itself. Another architectural nuance is the roof's 2-feet deep proofed tin sound treatment, one that works with the EVIDs to make the new space sound "100 times better than the old field hall," according to St. Olaf's A/V consultant Geremy Olson, "and the intelligibility is great, even standing in the center of the track. In the old space, a person couldn't even hear someone next to him talking!" Soundproofing wasn't an afterthought here, as is so often the case in gymnasiums. This kind of attention to detail may have much to do with the fact that the building's architects worked with an architecture graduate from St. The EVID clusters themselves are placed and powered to provide consistent SPL and intelligibility as one walks, jogs or stands on the gallery (6) EVID 6.2T speakers are mounted in the overlooking the field. foyer/meeting area, and look great nestled amidst the steel and stone details. (4) More of the same can be found in both the downstairs weight room and upstairs gym area.



Architecturally and acoustically, nothing comes close to the EVID in combining form and function

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Lee Windsperger described how two sizes of EVIDs have the whole center covered: "This installation was more about zone control than handling numerous inputs. The system has specific tasks to perform, revolving around playback, paging and mixed combinations of the two. We're using a single laptop operated routing, mixing and processing system that allows a page be channeled in at a set level over music playback, which is lowered proportionately for the duration of the page. The user selects source choice from the menu, and then simply adjusts the volume settings in 6dB intervals according to each zone: we have 4 level intervals dialed in for the weight room, 3 for the track, 5 for the gym and 1 for the fover. Between the 3.2Ts and 6.2Ts we have all the whole range of volume presets accommodated, all in boxes that blend in with the design of the building and sound just as impressive, despite all the glass and metal surfaces. It's a beautiful facility that any school would be happy to have, with what I'd say is a model EVID installation. St. Olaf has been customer of ours for many years now, and we really appreciated the opportunity to help make this prestigious project live up to expectations."



L –R: Jim Stanoch (Media Services Coordinator, St Olaf), Geremy Olson (A/V Consultant, St Olaf), Lee Windsperger (Owner, American Pro Audio Inc)

Comprised of dual 6-inch LF drivers and a 1-inch Ti/waveguide, the EVID 6.2 is perfect for applications that require exemplary audio and the capability to fill

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large areas with sound. Additionally, the flexible Strong-Arm-Mount™ (SAM™) system provides the versatility to accommodate any installation challenge. EV's unique 6-inch dual woofer design delivers crisp and clean program for the utmost in listening experience regardless of the location. Great for larger areas that demand higher SPL levels, the 6.2 delivers the outstanding, full bass output required for shopping malls, stadiums, airports, etc.



EVIDs in the foyer at the Tostrud Center

For full details on all Electro-Voice products and brands, please visit www.electrovoice.com

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