

**Osborn Aquatic Center Mezzanine Enclosure  
MECHANICAL DESIGN**

Owner:\*  
Corvallis Parks & Recreation  
1310 SW Avery Park Drive  
Corvallis, OR 97333  
(541) 766-6918

Client:  
WBG Architects  
72 W Broadway  
Eugene, OR 97401  
Dick Bryant (541) 342-7291

*Project Start:* May 1991  
*Project Finish:* March 1992  
*Facility Type:* Swimming Pool  
*Building Age:* Built 1978  
*Construction Cost (Total):* \$233,961  
*Construction Cost (EESI Portion):* \$36,600  
*Engineering Fees:* \$3,300  
*Project Size:* 3,500 square feet

\*Corvallis School District was the owner when the project was done.

EESI Staff Involved: Fred Shaub, John Balaam, Ron Anderson, & Suzanne Marinello.

Project Description: Mechanical design included full HVAC and enclosure glass air sweep for condensation control.

The mezzanine provides a viewing area for spectators. The mezzanine originally was open the pool environment, and as such was extremely hot and humid. This condition was a waste of energy as well as a comfort problem. A glass dividing wall was installed to separate the mezzanine from the pool. Two new air handlers were installed to condition the mezzanine area. Special design attention was devoted to selecting the insulating value of the glass and directing the air dispersal to prevent condensation on the viewing wall. Design of controls played a large part in making the viewing area comfortable without allowing condensation. Pressurization of the viewing area prevented infiltration of pool chlorine environment keeping the viewing area air fresh. A highly successful project resulted from knowledge of and appropriate attention to special pool concerns in the design process.

The mezzanine project and the pool controls resulted in EESI and the Corvallis School District jointly receiving the Governor's Energy Award for design and implementation.

**Public Works Computer Room  
MECHANICAL & ELECTRICAL DESIGN**

**REMODEL**

Owner:

City of Corvallis  
PO Box 1083  
Corvallis, OR 97339  
Julie Warde (541) 766-6961

*Project Start:* September 1999

*Project Finish:* June 2000

*Facility Type:* City Offices

*Construction Cost (Total):* \$36,060

*Engineering Fees:* \$5,515

*Project Size:* 350 square feet

Client:

WBGS Architecture & Planning, PC  
72 W Broadway  
Eugene, OR 97401  
Dick Bryant (541) 342-7291

EESI Staff Involved: John Wallin, Dan Pullen, & Fred Shaub.

Project Description: Mechanical and electrical design to convert storeroom in existing Public Works Building into computer room.