

**Academy Building Renovation
MECHANICAL & CONTROLS DESIGN
COMMISSIONING/CONSTRUCTION MANAGEMENT**

ENERGY UPGRADE

Owners:

Polk County
Human Services
182 SW Academy Street
Dallas, OR 97338
Greg Hansen (503) 623-9317

Chemeketa Community College
PO Box 14006
Salem, OR 97309
Jerry Vessello (503) 399-5157

Project Start: June 1989
Project Finish: February 1990
Facility Type: Education[‡] & Government
Building Age: Built 1940's
Construction Cost (Total): \$1,258,000
Construction Cost (EESI Portion): \$520,000
Engineering Fees: \$31,570
Project Size: 47,707 square feet

[‡] Community College

Client: (Mechanical)

Chemeketa Community College
PO Box 14006
Salem, OR 97309
Jerry Vessello (503) 399-5157

Client: (Controls)

Arbuckle Costic Architect[‡]
363 State Street
Salem, OR 97301
(503) 581-4115

[‡] Company name changed. At time this project was done company was Carkin Arbuckle Costic Architects.

EESI Staff Involved: Fred Shaub, Tom Lavelle, Skip Hamilton and Ron Anderson.

Project Description: Mechanical design and commissioning/construction management services at Chemeketa Dallas Center (Academy Building).

Mechanical:

EESI provided the mechanical which included conversion of antiquated steam radiation to full heating, ventilation, air conditioning system (steam to hydronic conversion and air conditioning), and fire sprinkler system.

Controls:

EESI provide the HVAC controls design, selection of installer, and commissioning for new HVAC system.

Building Description: Chemeketa Dallas Center has been serving Polk County since 1976. Approximately 1,000 students per term attend this center. The Center is located at 182 Southwest Academy Street, Suite 216, Dallas, Oregon.

**Santiam Learning Center
MECHANICAL & CONTROLS DESIGN**

RENOVATIONS & ADDITIONS

Owner:
Chemeketa Community College
PO Box 14006
Salem, OR 97309
Jerry Vessello (503) 399-5157

Client:
Arbuckle Costic Architect
363 State Street
Salem, OR 97301
Clayton Vorse (503) 581-4115

Project Start: November 1995
Project Finish: July 2003
Facility Type: Educational
Building Age: Built ~1970
Construction Cost (Total): \$1,787,215
Construction Cost (EESI Portion): \$477,250
Engineering Fees: \$44,080
Project Size: 27,075 sf remodel
7,450 sf addition

NOTE: THE ABOVE NUMBERS INCLUDE TOTALS FOR ALL FOUR PHASES.

EESI Staff Involved: Fred Shaub, Ron Anderson, Jerry Selberg, & Suzanne Marinello

Project Description: This work was done in four phases.

Phase 1: HVAC and plumbing renovation of automobile showroom building into a classroom facility. This included energy management control system design. This phase involved 9,244 square feet.

Phase 2: Design of mechanical, DDC, and plumbing system for offices, classrooms, and computer labs for addition, plus remodel. This phase included DDC programming. This phase involved 13,665 square feet of renovation and 8,257 square feet of remodeled area.

Phase 3: Mechanical design services for HVAC remodel project. This phase involved 1,390 square feet.

Phase 4: Mechanical design services for HVAC and plumbing addition and remodel for office and conference rooms. This phase involved 7,450 square feet of addition and 2,773 square feet of remodeled area.

**Baxter Hall - Health Services Center
MECHANICAL & ELECTRICAL DESIGN**

REMODEL

Owner:

Willamette University
900 State Street
Salem, OR 97301
Tom Neal (503) 370-6003

Client:

Arbuckle Costic Architect
363 State Street
Salem, OR 97301
Walt Bensman (503) 581-4115

Project Start:

April 1997

Project Finish:

December 1997

Facility Type:

Health Clinic

Building Age:

Built 1947

Construction Cost (Total):

\$337,352

Construction Cost (EESI Portion):

\$98,483

Engineering Fees:

\$10,700

Project Size:

4,200 square feet

EESI Staff Involved: Fred Shaub, Randy Boyd, John Balaam, & Ron Phelps.

Project Description: Mechanical & electrical design for Health Services Facility remodel in Baxter Hall's abandoned kitchen area. A new HVAC system was designed to comply with CDC requirements for indoor air requirement.

**Buildings #2 & 22 Renovation
MECHANICAL DESIGN**

REMODEL & RENOVATION

Owner:
Chemeketa Community College
PO Box 14006
Salem, OR 97309
Jerry Vessello (503) 399-5157

Client:
Arbuckle Costic Architect
363 State Street
Salem, OR 97301
Clayton Vorse (503) 581-4115

Project Start: January 1999
Project Finish: June 2002
Facility Type: Educational
Building Age: Built 1976
Construction Cost (Total): \$3,647,480
Construction Cost (EESI Portion): \$1,250,000
Engineering Fees: \$38,945
Project Size: 77,500 square feet
τ Estimate

EESI Staff Involved: Fred Shaub, Ron Anderson, Pete Sanford, & Ron Phelps.

Project Description: Total renovation of Buildings #2 & #22 from library and offices to classrooms, food services, offices, and learning center/multi media. The work was done in three phases to allow for occupancy in areas not effected by construction.

Mechanical design by EESI for this renovation included both new HVAC units and refurbishing of existing HVAC rooftop units and complete new air distribution system with full DDC operation. Plumbing design included refurbishing existing with new plumbing fixtures, new hydronic heating loop for HVAC units, and plumbing for new food service kitchen. Kitchen included new code compliant exhaust hood system.

**Student Life Building Addition
& Building #2 Remodel
MECHANICAL & CONTROLS DESIGN**

REMODEL & ADDITION

Owner:

Chemeketa Community College
PO Box 14006
Salem, OR 97309
Jerry Vessello (503) 399-5157

Client:

Arbuckle Costic Architect
363 State Street
Salem, OR 97301
Walt Bensman, Jr., AIA (503) 581-4115

Project Start: December 1999

Project Finish: November 2001

Facility Type: Educational

Building Age: Building #2 Built 1976
Student Life Addition 2001

Construction Cost (Total): \$2,526,000

Construction Cost (EESI Portion): \$875,000 (est)

Engineering Fees: \$30,000

Project Size: 5,040 sf remodel
21,240 sf addition

EESI Staff Involved: Fred Shaub, John Wallin, Pete Sanford, & Ron Phelps.

Project Description: Mechanical, plumbing, & HVAC control design for Student Life Building addition and remodel of existing Building #2 built in 1976. Building included convenience store, offices, conference room, dining, assembly rooms, computer classroom, and resource center.