

Hood-McNees, Inc.
Consulting Engineers

Hood-McNees, Inc
1923 SE Stark Street
Portland, Oregon 97214
(503) 231-7825
fax: (503) 231-8309

ABOUT US

Hood–McNees, Inc, is the successor to Baisley-McNees and Associates, Inc., an Electrical consulting engineering firm operating from 1970 until 1999. Hood-McNees, Inc., represents the partnership Harold E. McNees, P.E. as an electrical engineer and Clifford M. Hood, P.E. as a mechanical engineer with the purpose of providing the often requested combined services of Mechanical, Electrical and Plumbing design.

The firm has built an excellent record of providing Mechanical, Electrical and Plumbing designs for projects both large and small. We are committed to providing the best service possible and to completing projects on time and within budget.

WHAT WE DO

Hood–McNees, Inc.'s specific areas of expertise include Mechanical Design (HVAC, Plumbing, Controls & Energy Conservation) and Electrical Design (Power Distribution, Lighting design, Telephone, Fire Alarm & Security.) We have applied this expertise to a wide range of residential projects from Custom Homes to 140+ unit Assisted Living Facilities. The range of commercial projects includes from 2300 SF Doctor's Office to 50,000+ SF State Office Building Tenant Improvement. Other projects types we have completed which require specialized skills include: Restaurants, Zoo Exhibits, Park Buildings, Churches, Schools, Community Centers, and Fire Stations. Our completed project list exceeds 1560 projects throughout the region.

The services offered by Hood-McNees, Inc., beyond the traditional full Mechanical/Electrical/Plumbing design package, includes: preparing performance Design/Build specifications, energy analysis reports, ADA upgrades, and an array of specialized lighting services.

WORK CULTURE

We have a small but skilled staff of experienced professionals who understand that our field is a dynamic one, with needs that can change daily. By keeping our numbers small, we maintain a focus on quality and on building direct client relationships. By taking every project personally, we assure that we will attend to every detail and that each task will be coordinated both inside and outside the office. A testament to this commitment is our high rate of repeat clients.

Clifford M. Hood
Mechanical Engineer

Hood-McNees, Inc
1923 SE Stark Street
Portland, Oregon 97214
(503) 231-7825

Clifford Hood has been practicing mechanical engineering since 1979. He has skillfully applied his knowledge to serving the client's needs, producing practical solutions to challenging problems.

REGISTRATIONS

Professional Engineer: State of Oregon, 1983 (No. 12246), Washington (No. 21729), California, Alaska, Idaho, Montana and an NCEES Certificate, No. 12499.

EDUCATION

Oregon State University, BSME, March 1979

***PROFESSIONAL
BACKGROUND***

HOOD-MCNEES, INC.

Mechanical Dept. Head, 1999 to Present. Experience in operations and management, supervision of technicians, designers, draftspersons.

SYSTEM DESIGN CONSULTANTS, INC.,

Vice President, 1993-1999.

THE BENTLEY COMPANY, INC., Portland Branch

Mechanical Dept. Head, 1988-1993.

EXPERIENCE

Design and construction of heating, ventilation, air conditioning and plumbing systems for commercial, industrial, institutional, residential and governmental facilities. This includes a 2 year employment with a mechanical contractor involved in supervising HVAC and plumbing trades for compliance to engineered plans. This experience in the field has proven to be of great value in providing quality contract documents that use efficient construction practices and are understandable by the installers. His responsibilities include all phases of project management, design, building envelope analysis, cost estimating and computer modeling.

***PROFESSIONAL
AFFILIATIONS***

ASHRAE - American Society of Heating, Refrigeration and Air Conditioning Engineers

ASPE – American Society of Plumbing Engineers

CSI – Construction Specifications Institute

IAPMO – International Association of Plumbing and Mechanical Officials

Harold E. McNees
Electrical Engineer

Hood-McNees, Inc
1923 SE Stark Street
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(503) 231-7825

Harold McNees has been practicing electrical engineering since 1977. He has skillfully applied his knowledge to serving the client's needs, producing practical solutions to challenging problems.

REGISTRATIONS Professional Engineer: State of Oregon, 1981 (No. 11224)
Washington (No. 22647), and six other western states

EDUCATION University of Portland, BSEE, May 1977

**PROFESSIONAL
BACKGROUND** HOOD-MCNEES, INC.
Electrical Dept. Head, 1999 to Present. Experience in operations and management, supervision of technicians, designers, draftspersons.
BAISLEY-MCNEES & ASSOCIATES, INC.
Principal, 1977-1999.

EXPERIENCE Site and building power distribution systems, standby emergency power systems, lighting and lighting control systems, motor control centers, PLC systems, auxiliary systems (fire alarm, telephone, data, intercom, security), energy and load studies, electrical system cost estimating, short circuit & ground fault analysis, circuit breaker/fuse coordination, and value engineering studies.

**PROFESSIONAL
AFFILIATIONS** IEEE - Institute of Electrical and Electronic Engineers
IES - Illuminating Engineering Society of North America
ACEC – American Consulting Engineers Council of Oregon
NFPA - National Fire Protection Association

Janice A. Buschman
Plumbing Designer

Hood-McNees, Inc
1923 SE Stark Street
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(503) 231-7825

Janice Buschman has been drafting and designing plumbing and HVAC systems since 1974.

CERTIFICATES

American Society of Plumbing Engineers:
Certified in Plumbing Design (CPD) No. 29094.

EDUCATION

IAMPO Uniform Plumbing Code Seminar, 2004, 2003, 2001, 1999
Carrier Corp. Technical Development Program – 1987
PCC Associate of Applied Science, Landscape Design 1975

***PROFESSIONAL
BACKGROUND***

HOOD-MCNEES, INC.
Plumbing Designer, 2007 to Present.
SYSTEM DESIGN CONSULTANTS, INC.,
Plumbing Designer, 1995-2007.
INTERFACE ENGINEERING, INC., Portland Branch
Plumbing Designer, 1993-1995.
THE BENTLEY COMPANY, INC., Portland Branch
Plumbing Designer, 1988-1993

EXPERIENCE

HVAC design calculations, layout of ductwork systems, design and layout of plumbing systems for commercial, industrial, institutional, residential and government facilities. This includes a 6 month employment with a mechanical contractor producing HVAC plans. The past twelve years has been spent specializing in the design of plumbing systems. Work has included preliminary design phase, producing contract documents using Computer Aided Design program “Autocad” and in construction administration. Her experience has provided Ms. Buschman with an understanding of the importance of project communication and coordination.

***PROFESSIONAL
AFFILIATIONS***

ASHRAE - American Society of Heating, Refrigeration and Air
Conditioning Engineers
IAPMO – International Association of Plumbing and Mechanical
Officials

James (Jay) J. Yelton
Electrical Designer

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1923 SE Stark Street
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Jay Yelton has been practicing Electrical Design since 2001 and has gained diverse experience related to electrical systems for residential, commercial, institutional and industrial facilities.

EDUCATION

Clackamas Community College - Associates Degree,
Drafting Technology, 1992.
Illuminating Engineering Society – ED50, ED100 Lighting Design

***PROFESSIONAL
BACKGROUND***

HOOD-MCNEES, INC.
Electrical Designer, 2001 to Present
YELTON, INC.
Manufacturer of specialized Construction Equipment, 1994-2001
BAISLEY-MCNEES & ASSOCIATES, INC.
Drafting Technician, 1992-1994

EXPERIENCE

Site and building power distribution systems, standby emergency power systems, lighting and lighting control systems, panelboard schedules, load tabulations and construction details.

***PROFESSIONAL
AFFILIATIONS***

IES - Illuminating Engineering Society of North America

Project Experience
Assisted Living Projects

Hood-McNees, Inc
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Laurelhurst Village – Phase 2, Portland, Oregon 2009

Plumbing design for a four-story, wood frame structure over parking for 137 units of assisted living apartments and commercial kitchen.

The Springs at Missoula, Missoula, Montana 2005

Mechanical, Electrical & Plumbing design for a three-story, wood frame structure housing totaling 142 units with a mix of independent, assisted living & memory care.

Walnut Grove Apartments, Vancouver, Washington 2005

Plumbing and Mechanical design for a 65-unit 3-story senior living apartment building with community room.

Pioneer Village, Jacksonville, Oregon 2004

Plumbing design for a 73-unit 3-story Independent Living building and a 31-unit 2-story Assisted Living building with commercial kitchen.

Mountain West Senior Housing, Salem, Oregon

Plumbing design for Assisted Living Facilities in multiple locations:

- Olympic Place, Arlington, Washington, 106 Units. 2003
- Silver Creek, South Hill, Washington, 132 Units. 2004
- Cedar Ridge, Bonney Lake, Washington, 108 Units. 2004
- Park Vista, Port Orchard, Washington, 134 Units. 2004
- Bonaventure Place, Boise, Idaho, 206 Units. 2005

Vintage at Bend, Bend, Oregon 2003

Plumbing design for 106 unit senior living facility.

Catapla Shade Apartments, Medford, Oregon 2003

Mechanical, Electrical and Plumbing design for a 20,000 SF apartment building with 22 housing units for paraplegic and quadriplegic individuals and common use community area.

Mountain View Adult Care Center, Gresham, Oregon 2002

Electrical design for expansion and remodel of 21 residents, common and utility areas. Design included new electrical systems (lighting, power, electrical distribution), electrical service and standby power generator.

Auburn Senior Community Assisted Living, Auburn, Washington 2002

Electrical design for 2-Story 80 unit Assisted Living Facility with common & utility areas and Single story 18 resident Alzheimer's Care Facility.

Burnside Station Apartments, Portland, Oregon 2002

Electrical design for a 20,000 SF apartment building with 22 housing units for paraplegic and quadriplegic individuals and common use community area.

The Springs at Clackamas Woods, Clackamas, Oregon 2000

Mechanical, Electrical & Plumbing design for a three-story, wood frame structure housing 129 residential care units and 12 assisted living units.

Clayton Meadows Senior Apartments, Albany, Oregon 2000

Mechanical, Electrical and Plumbing design assistance for a 48,530 SF two-story, senior housing facility, containing 50 units.



Catalpa Shade Apartments Medford, Oregon



Architect: Andrews Architects, Inc.
Portland, Oregon

Completed: 2004

Mechanical, Electrical & Plumbing design for a new 20,000 SF apartment building with 22 housing units for paraplegic and quadriplegic individuals and common use community area.





The Springs at Missoula Missoula, Montana



Architect: RAR Architecture, Inc.
Portland, Oregon

Completed: 2005

Mechanical, Electrical & Plumbing design
for new Assisted Living Facility with
74 Independent Living Units,
34 Assisted Living Units, and
34 Memory Care Units.



Project Experience
Hospitality Industry

Hood-McNees, Inc
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Hampton Inn, Fairbanks, Alaska 2009

Mechanical and Plumbing design for a new 101 unit 4-story hotel building with breakfast warming kitchen, dining room, meeting room, and indoor swimming pool.

Buffalo Wild Wings™ Restaurant, Cascade Station, Portland, Oregon 2008

Plumbing design for new 6,300 SF chain restaurant as a tenant improvement for a newly constructed shell.

Hampton Inn, Walla Walla, Washington 2008

Mechanical, Electrical and Plumbing design for a new 102 unit 4-story hotel building with breakfast warming kitchen, dining room, meeting room, and outdoor swimming pool.

Burger King 172nd & Powell, Portland, Oregon 2007

Mechanical, Electrical and Plumbing design for new 2,300 SF chain restaurant as a tenant improvement replacing an old retail tenant.

Popeye's 82nd Ave., Portland, Oregon 2007

Mechanical, Electrical and Plumbing design for new 2,480 SF chain restaurant converting an existing stand-alone Arby's Restaurant.

DeCarli's Restaurant, Beaverton, Oregon 2007

Mechanical design for new 3,600 SF restaurant as a tenant improvement in an existing building.

Le Hana Restaurant, Portland, Oregon 2007

Plumbing design for new 2,800 SF restaurant as a tenant improvement for a newly constructed shell.

Hungry Howies #7000 Restaurant, Hillsboro, Oregon 2007

Plumbing design for new 1,250 SF take-home pizza restaurant as a tenant improvement in an existing building.

Best Western Rama Motel, Redmond, Oregon 2007

Mechanical and Plumbing design for a 24 unit 2-story addition to an existing motel building.

Madras Hotel, Madras, Oregon 2006

Mechanical and Plumbing design for a new 71unit 3-story hotel building complete with indoor pool and basement conference area, breakfast warming kitchen and dining room.

Hampton Inn, Tacoma, Washington 2006

Mechanical, Electrical and Plumbing design for a new 109 unit 4-story hotel building with breakfast warming kitchen, dining room, and meeting room. Before completion of the initial building a 45 unit wing was added to the project that included an indoor swimming pool.

Project Experience
Hospitality Industry (continued)

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Sunset Athletic Club, Washington County, Oregon 2002-2006

Mechanical, Electrical & Plumbing design for multi-phased expansion of existing athletic club. Phase 1 added exercise rooms and elevator plus replaced the tennis building lighting with new energy efficient fixtures. Phase 2 added basketball courts, rock climbing wall and more tennis courts. Phase 3 added indoor swimming pools. Phase 4 will add more exercise rooms, meeting rooms, and a Grand Entry/Lobby.

Hooters™ Restaurant, Jantzen Beach, Portland, Oregon 2006

Mechanical, Electrical & Plumbing design for remodel of existing 7,400 SF building to house chain restaurant. Project rehabilitated an old existing restaurant building with all new finishes, mechanical and electrical systems.

Dusty's Bar and Grill, Portland, Oregon 2006

Mechanical and Electrical design for tenant improvement to an existing 2,600 SF retail space.

Subway™, McMinnville, Oregon 2007

Mechanical, Electrical and Plumbing design for new 1,790 SF chain restaurant as a tenant improvement for a newly constructed shell.

Imperial River Company, Maupin, Oregon 2005

Mechanical, Electrical & Plumbing design for new 13 unit motel building and 1,700 SF addition to an existing 2-story motel building.

Hooters™ Restaurant, Mall 205, Portland, Oregon 2004

Mechanical, Electrical & Plumbing design for remodel of existing 7,300 SF building to house chain restaurant. Project was completed on an accelerated schedule for quick opening with a tight budget.

Best Western Peppertree Motel Addition, Auburn, Washington 2004

Mechanical and Plumbing design for 100 unit addition to an existing 4-story motel building.

Kagyu Changchub Chuling Retreat Facility, Goldendale, Washington 2004

Mechanical, Electrical and Plumbing design for new 2,300 SF Kitchen/Dining Building for a remote religious facility on newly developed 240 acre site.

Eagle Landing Club House, Clackamas, Oregon 2004

Mechanical design and Plumbing & Electrical design assistance for new 7,400 SF golf course clubhouse with Pro Shop, meeting space, offices, and future commercial kitchen.

Restaurant at Campbell Basin, Crystal Mountain, Washington 2004

Mechanical, Electrical & Plumbing design for new 10,600 SF restaurant located at the end of a ski run on the east side of Mt. Rainer.

Hilton Garden Inn, Kennewick, Washington 2004

Plumbing design for 3 story hotel with 122 units and commercial kitchen.

Little Creek Casino Hotel, Squaxin Island Tribe, Shelton, Washington 2004

Plumbing design for 5 story hotel & restaurant addition to casino Facility.

Project Experience
Hospitality Industry (continued)

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VIP's Industries, Inc., The Salem Hotel, Salem, Oregon 2004
Plumbing design for 5 story hotel & restaurant at a new convention facility.

North Harbour Retail Center, Portland Oregon – *Tenant Improvements*

Pizza Mia 2004
Plumbing design for 2800 SF Pizza Restaurant with full kitchen to support both dine-in and take-out customers.

Waddles 2003
Plumbing design for the 3570 SF new location of an long standing Portland restaurant. Project included a full kitchen and bar.

Sunset Commercial Center, Corvallis Oregon – *Tenant Improvements*

Blue Sky Restaurant 2002
Mechanical, Electrical & Plumbing design for 2500 SF Chinese Restaurant with full kitchen to support both dine-in and take-out customers.

Creekside Coffee 2000
Plumbing design for 1250 SF coffee shop.

Little Caesar's Pizza 1999**
Mechanical & Plumbing design for 1400 SF Pizza Restaurant with kitchen support both dine-in and take-out customers.

Barbur Shops, Portland Oregon – *Tenant Improvements*

La Costita III 2004
Mechanical, Electrical & Plumbing design for 3800 SF Mexican Restaurant. Project included a full kitchen and bar.

Jubitz Truck Stop, Portland, Oregon 2000 ⁽¹⁾
Mechanical design for a 45,000 SF addition to the current building. The project consisted of a refurbished lounge, an expanded restaurant with banquet facilities, e floors of new hotel rooms and a retail center. The retail center included an 80 seat movie theater, a convenience store and laundry facilities.

⁽¹⁾ Mr. Hood's personal experience while working at previous firms.



Campbell Basin Lodge Crystal Mountain Ski Resort



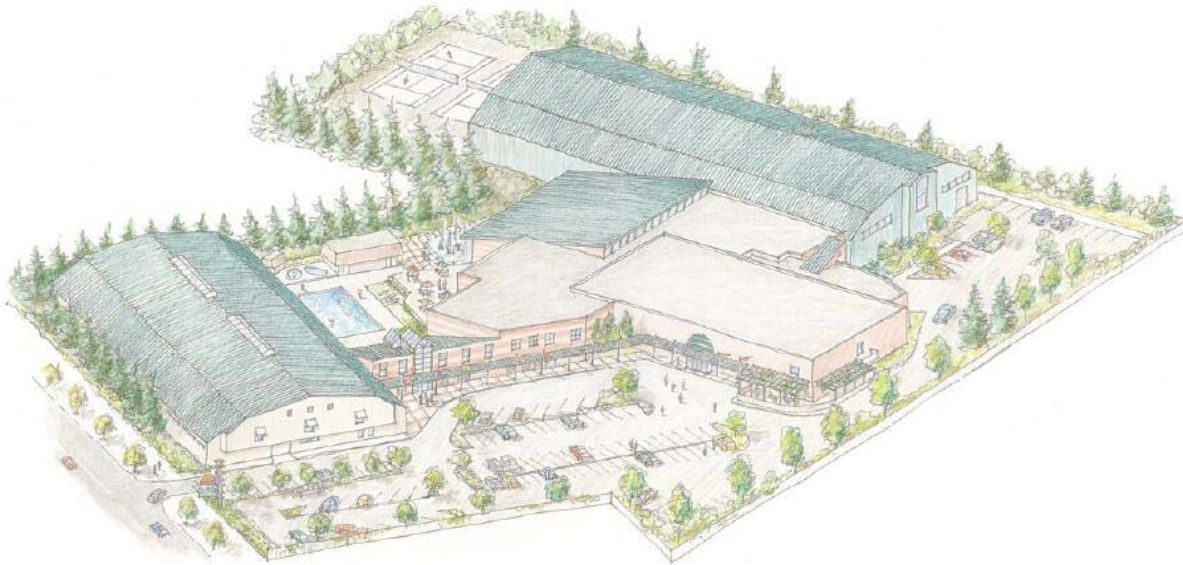
Architect: D. Michael Danielsen
Evergreen Architecture Corp.
Salem, Oregon

Mechanical, Electrical and
Plumbing design for
new 12,000 SF Restaurant

Completed: 2004

6,200 ft. Elevation in the
Baker-Snoqualmie National Forest
of Central Washington State





Architect: Salauddin Khan Architects
Portland, Oregon

Mechanical, Electrical & Plumbing design for a multi-phase expansion

Phase 1 (Completed 2003): Spinning/Exercise Room, Large Group Exercise Room, Greatly Expanded Fit Center, More Cardio Equipment, Stretching Area, Increased Parking, Elevator, Leased Physical Therapy Facility.

Phase 2 (Completed 2004): Three Indoor Tennis Courts, Two Outdoor Tennis Courts, Gymnasium for Basketball and Volleyball, Rock Climbing Wall, Indoor Running Track, Expanded Kids Korner, Additional Parking.

Phase 3 (Completed 2006): Indoor Aquatic Center including Lap Pool, Exercise Pool, Therapy Pool & Jacuzzi, Sauna and Steam Room, Wet Classroom, Family Changing Rooms, Expanded Men's and Women's Locker Rooms, Massage Rooms, Junior Activity Classroom, Sport and Grass Play Area.

Phase 4: (Completed 2008) Two Group Exercise Rooms, Two Squash/Racquetball Courts, Conference Room, Large Meeting Room, Main Lobby, Pro Shop, Deli, Pool Terrace, and Water Play Area.



Project Experience

Housing Projects

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The Charleston, Wilsonville, Oregon 2008

Mechanical, Electrical and Plumbing design for a 52-unit three-story building for Northwest Housing Alternatives, an agency that supports the chronically mentally ill.

Rain Garden Apartments, Wilsonville, Oregon 2008

Plumbing design for a 30-unit two-story building for Cascadia Behavioral Healthcare Inc. an agency that supports the chronically mentally ill.

Garden Way ILF, Eugene, Oregon 2008

Mechanical, Electrical and Plumbing design for a 120 Unit Senior Independent Living Facility with 3,000 sq ft Dining Room, commercial kitchen, and 6,000 sq ft of various activity spaces in addition to the apartments.

The SOL, Portland, Oregon 2008

Mechanical, Electrical and Plumbing design for a new 21-unit condominium building with 3 floors partially above parking.

Humboldt Gardens, Portland, Oregon 2008

Mechanical, Electrical and Plumbing LEED certified design for a three-story building, 10,000 SF per floor with housing units, community area and head start facility.

Highland Park Apartments, Vancouver, Washington 2008

Mechanical, Electrical and Plumbing design for a 56-unit 3-story senior living apartment building with community room.

Vintage at Chehalis, Chehalis, Washington 2007

Plumbing design for 150-unit 3-story senior housing building.

Overlook Heights, Portland, Oregon 2007

Mechanical design for a new mixed use building with 15 condominiums on 3 floors and partial ground floor retail space shell.

Trenton Terrace, Portland, Oregon 2006

Mechanical, Electrical and Plumbing design for a 66-unit three-story senior apartment building.

Westlake Lodges, Government Camp, Oregon 2006

Plumbing design for a total of 48-units in two buildings with each building having 4-stories of housing over parking.

Water Avenue Lofts, Portland, Oregon 2006

Mechanical, Electrical and Plumbing design for a mixed use building with 36 units of condominium housing located on 4 floors above a full level of parking and commercial space below parking level.

Heritage Rehab and Specialty Care, Tacoma, Washington 2006

Mechanical, Electrical and Plumbing design for a 15,500 SF expansion and 22,000 SF remodel of an existing extended care residential facility. Design included a new commercial kitchen.

Project Experience
Housing Projects (continued)

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Turtle Creek Apartments, Eugene, Oregon 2006

Plumbing and Mechanical design for site with 10 new apartment buildings of 2-story construction.

MLK Project, Portland, Oregon 2006

Mechanical, Electrical and Plumbing design for mixed use building with retail on the ground level and 3 floors of housing above.

Rickreall Creek Apartments, Dallas, Oregon 2006

Mechanical, Electrical and Plumbing design assistance for 14 duplex, 2 four-plex living units and a resident gathering building.

Oregon Trail Youth House, The Dalles, Oregon 2006

Mechanical, Electrical and Plumbing design to remodel an existing residence into a group home for youth.

Grants Pass Solar Meadow House, Grants Pass, Oregon 2006

Mechanical and Plumbing design for a new home. Design included ground source heat pump for heating and cooling.

Bajwa Residence, Portland, Oregon 2006

Mechanical design for new mechanical system which replaced the upscale home's existing failing mechanical system.

Glisan Townhomes, Portland, Oregon 2005

Mechanical, Electrical & Plumbing design for two townhouse buildings, one building containing 4 units, the other building 6 units.

Stark Townhomes, Portland, Oregon 2005

Mechanical, Electrical & Plumbing design for two townhouse buildings, one building containing 6 units, the other building 7 units.

The Springs at Missoula, Missoula, Montana 2005

Mechanical, Electrical & Plumbing design for a three-story, wood frame structure housing totaling 142 units with a mix of independent, assisted living & memory care.

Walnut Grove Apartments, Vancouver, Washington 2005

Plumbing and Mechanical design for a 65-unit 3-story senior living apartment building with community room.

Pioneer Village, Jacksonville, Oregon 2004

Plumbing design for a 73-unit 3-story Independent Living building and a 31-unit 2-story Assisted Living building with commercial kitchen.

Mountain West Senior Housing, Salem, Oregon

Plumbing design for Assisted Living Facilities in multiple locations:

- Olympic Place, Arlington, Washington, 106 Units. 2003
- Silver Creek, South Hill, Washington, 132 Units. 2004
- Cedar Ridge, Bonney Lake, Washington, 108 Units. 2004
- Park Vista, Port Orchard, Washington, 134 Units. 2004
- Bonaventure Place, Boise, Idaho, 206 Units. 2005

Project Experience
Housing Projects (continued)

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Hunter's Ridge, Sherwood, Oregon 2004

Plumbing and Mechanical design for two mixed use building with underground parking, retail on the ground level and 2 floors of housing above.

100th & Glisan Apartments, Portland, Oregon 2004

Plumbing design for a 42-unit apartment building with covered parking for part of the ground level and 3 floors of housing above.

Maybee Residence, Portland, Oregon 2004

Mechanical, Electrical and Plumbing design for historic district residence which restored the 3rd floor lost in a fire in the 1960's and preserving the exterior but still updating the interior spaces to modern sizes and amenities.

Clara Vista Townhomes, Portland, Oregon 2004

Plumbing, Mechanical and Electrical design for site with 6 new apartment buildings of 2 or 3-story construction.

The Headwaters at Tryon Creek Apartments, Portland, Oregon 2004

Plumbing design for 2 buildings each with 64-units with 4-stories of housing over covered parking.

1620 Broadway Condominiums, Portland, Oregon 2004

Plumbing design for a ¾ city block mixed use project with Grocery store on the ground floor, 4 stories of luxury condominiums above and three levels of parking below.

Vintage at Bend, Bend, Oregon 2003

Plumbing design for 106 unit senior living facility.

Catapla Shade Apartments, Medford, Oregon 2003

Mechanical, Electrical and Plumbing design for a 20,000 SF apartment building with 22 housing units for paraplegic and quadriplegic individuals and common use community area.

Mountain View Adult Care Center, Gresham, Oregon 2002

Electrical design for expansion and remodel of 21 residents, common and utility areas. Design included new electrical systems (lighting, power, electrical distribution), electrical service and standby power generator.

Auburn Senior Community Assisted Living, Auburn, Washington 2002

Electrical design for 2-Story 80 unit Assisted Living Facility with common & utility areas and Single story 18 resident Alzheimer's Care Facility.

Burnside Station Apartments, Portland, Oregon 2002

Electrical design for a 20,000 SF apartment building with 22 housing units for paraplegic and quadriplegic individuals and common use community area.

The Springs at Clackamas Woods, Clackamas, Oregon 2000

Mechanical, Electrical & Plumbing design for a three-story, wood frame structure housing 129 residential care units and 12 assisted living units.

Project Experience
Housing Projects (continued)

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Clayton Meadows Senior Apartments, Albany, Oregon 2000

Mechanical, Electrical and Plumbing design assistance for a 48,530 SF two-story, senior housing facility, containing 50 units.

ASI/Jackson County Supportive Housing, Medford, Oregon 2003

Mechanical, Electrical & Plumbing design for a 20,000 SF apartment building with 22 housing units for paraplegic and quadriplegic individuals and common use community area.

Promenade Condominiums, Phase II, Washington County, Oregon 2002

Mechanical and Plumbing design for condominiums added to an existing complex. The addition consisted of two buildings, one with 3 floors containing 23 units, and the other with 4 floors containing 39 units.

Main Street at Bethany Village, Buildings D & J, Washington County, Oregon 2002

Plumbing design for new two story building containing 26 dwelling units located over retail tenant improvement spaces. Building J is a mirror image of Building D.

Casa Lomas Farm Worker Housing, The Dalles, Oregon 2002

Design assistance for a four building apartment complex, including fire protection performance specification, heating equipment selection, energy code forms for prescriptive path, basic lighting and power, and construction phase assistance.

The Maples 2, Hillsboro, Oregon 2002

Mechanical, Electrical & Plumbing design for a new 16,000 SF, two-story apartment building with 21 units.

Armory Student Housing, Corvallis, Oregon 2002

Mechanical, Electrical & Plumbing design assistance for a new building with 84 units on four floors over an open parking garage.

Sylvan Sunset Apartments, Beaverton, Oregon 2000

Mechanical, Electrical & Plumbing design assistance for rehabilitating three existing apartment buildings and adding four new building to the complex. HMI later provided mechanical design services for Building A, a new building consisted of three stories of housing over a parking garage and with a clubhouse section on one end.



Hood-McNees, Inc.

Electrical/ Mechanical Engineers

Casa Lomas The Dalles, Oregon

New Farm Worker Housing



Architect: RAR Architects, Inc.
Portland, Oregon

Completed: 2002

Design assistance for a four building apartment complex, including fire protection performance specification, heating equipment selection, energy code forms for prescriptive path, basic lighting and power, and construction phase assistance.



Project Experience
Industrial Buildings

Hood-McNees, Inc
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Columbia Colstor, Inc., Othello, Washington 2008

Mechanical, Electrical and Plumbing design for cold storage warehouse addition. Project included 65,000 SF of freezer space, 15,800 SF truck dock, and 2,800 SF of heated product thawing area.

Weyerhaeuser, Longview Sawmill, Longview, Washington 2008

Mechanical and Plumbing design for 15,900 SF of office and shop spaces for new sawmill facility.

United Natural Foods, Ridgefield, Washington 2007

Plumbing design for new warehouse facility with 26,400 SF Freezer, 15,200 SF Cooler, 10,900 SF Cold Dock, 164,500 SF Dry Storage, and 16,700 SF of office and training areas.

Columbia Colstor, Inc., Quincy, Washington 2006

Mechanical, Electrical and Plumbing design for new cold storage warehouse. Project including 156,150 SF of freezer space, 29,840 SF truck dock, 55,000 SF of rail dock, 2,350 SF of office space, a 3,770 SF engine room, and 2,350 SF of shop area.

Braley-Gray Warehouse, Portland, Oregon 2006

Mechanical, Electrical and Plumbing design for a manufacturing representative's new facility. The building contains 10,700 SF manufacturing area and 5,500 SF office.

Peri Formwork Systems, Inc., Woodland, Washington 2002

Plumbing design for concrete form manufacturer's new facility. The building contained 23,800 SF manufacturing area and 11,600 SF office.

Aeroterm Air Cargo Facility Expansion, Portland, Oregon 2002

Mechanical design for tenant improvement including offices (4100 SF), package sorting and truck loading (35,000 SF). Design included exhaust systems for vehicular ventilation.

Columbia Colstor, Inc., Woodland, Washington 2001

Mechanical and Electrical design for new 31,300 SF fish processing addition to the existing plant.

Columbia Colstor, Inc., Quincy, Washington 2001

Design study for correction of existing problems occurring in under floor freeze protection system and machine room ventilation.

Columbia Colstor, Inc., Othello, Washington 2000

Mechanical and Plumbing design for new cold storage warehouse. Project including 145,590 SF of freezer space, 18,315 SF truck dock, 18,045 SF of rail dock, 3,200 SF of office space, a 4,780 SF training center, and 2,400 SF of shop area.

Weyerhaeuser, Green Mountain Sawmill, Toutle, Washington 2000

Design study to correct mold and dust problems in their existing mill complex.

Chevron USA., Marine Terminal, Portland, Oregon 2000

Electrical and instrumentation planning and design assistance for installation of carbon bed fuel vapor recovery system.

Project Experience

Industrial Buildings (continued)

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Chevron USA., Willbridge Terminal, Portland, Oregon 1998-2001

Electrical and instrumentation design for replacement bulk fuel storage tanks (seven).

Chevron USA.Products Co, Willbridge Terminal, Portland, Oregon 2001

Electrical and instrumentation design assistance for VI solublization (lube oil additive) project.

Payless Distribution Center, Ogden, Utah 1992.

800,000 SF. warehouse with office & maintenance areas. Design included multiple level rack lighting & control, emergency power generators, 480v distribution systems, conveyor power system, and site lighting. Client: Payless Drug Stores, Inc. (now Rite-Aid)

Payless Distribution Center, Woodland, California 1985.

500,000 SF. warehouse with office & maintenance areas. Design included multiple level rack lighting & control, emergency power generators, primary (15kv) & secondary (480v) distribution systems and site lighting. Client: Payless Drug Stores, Inc. (now Rite-Aid).

Oregonian-Roll Paper Storage Building, Portland, Oregon 1988.

20,000 SF. newsprint roll storage and handling facility included electrical power and distribution for overhead crane and robotic roll conveying system, high bay lighting and fire detection system.

Project Experience

Office Environments

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Barnes Professional Campus, B5, Portland, Oregon 2008

Mechanical design for a new 19,400 SF, 3-story office building shell.

Wells Fargo Bank Branch, Gresham, Oregon 2008

Mechanical, Electrical and Plumbing design for new 4,700 SF, single story bank building.

iQ Credit Union Headquarters, Vancouver, Washington 2008

Plumbing design for remodel of 4-story 22,000 SF office building conversion.

Innovative Services NW, Vancouver, Washington 2008

Plumbing design for new 24,000 SF 2-story building for adult and child care services training and operations.

Division Street Offices, Portland, Oregon 2008

Mechanical, Electrical and Plumbing design for a new 17,400 SF, 3-story office building shell with partial basement.

DHS Clackamas, Clackamas, Oregon 2006

Plumbing design for new 34,500 SF, single story office building.

Columbia Tech Center, Vancouver, Washington 2006

Plumbing design for new 50,000 SF, 2-story office building shell.

Irrigon City Hall, Irrigon, Oregon 2006

Mechanical, Electrical and Plumbing design for a new 4000 sq ft City Hall. Mechanical design included a ground source heat pump system and mechanical features to protect against nerve gas infiltration.

Wells Fargo Bank Branch, McMinnville, Oregon 2005

Mechanical, Electrical and Plumbing design for new 5,000 SF, single story bank building.

Pacific Sleep Program, Portland, Oregon 2005

Mechanical design for tenant improvement to a 2,450 SF of office space to serve a sleep study clinic.

Chocolate Building, Portland, Oregon 2005

Mechanical, Electrical and Plumbing design for of a 4,400 SF of office in an existing two-story plus basement building.

Barnes Professional Campus, B4, Portland, Oregon 2005

Mechanical design for a new 21,900 SF, 3-story office building shell.

Newberg Graphic, Newberg, Oregon 2005

Mechanical and Plumbing design for new 4,760 SF single-story office building housing a community newspaper.

Garageland, Portland, Oregon 2005

Electrical and Plumbing design for conversion of an existing two-story, 7,140 building into a creative music center containing a café, retail space, recording studio, performance hall and offices.

Project Experience
Office Environments (continued)

Hood-McNees, Inc
1923 SE Stark Street
Portland, Oregon 97214
(503) 231-7825

Renaissance Development, Inc., Corporate Office, Lake Oswego, Oregon 2004
Mechanical design for new 10,000 SF, 3 story building for Owner/Developer.

Office for Dr. John Pham, Portland, Oregon 2003
Mechanical, Electrical and Plumbing design for total renovation of 2300 SF building for Doctor's Office with exam rooms, treatment rooms and laboratory.

Multnomah County Receiving Center - Service Building, Portland, Oregon 2002
Mechanical, Electrical and Plumbing design for remodel of 14,800 SF, 2 story building to adapt for new program needs. Design included new mechanical systems, lighting, data, telephone for office and observed family meeting rooms.

Multnomah County Receiving Center - MDT Building, Portland, Oregon 2003
Mechanical and Plumbing design for remodel of 23,700 SF, 3 story building to adapt for new program needs. Design included new mechanical systems and controls to be included in campus wide energy management system.

State of Oregon Human Resources Building, Albany, Oregon 2002
Mechanical, Electrical and Plumbing design for remodel of 45,800 SF leased space to update building for State's current program needs with new mechanical system, lighting, space allocation, and finishes. The mechanical system included an energy conservation measure (heat wheel) to permit increased outside air to be introduced into the building for better indoor air quality without the energy cost penalty.

Martin Office Building, Tigard, Oregon 2002
Mechanical design for new 17,000 SF, 2 story building shell for future tenant improvement.

Outside In, Portland, Oregon 2002
Mechanical design for new 27,000 SF, 5 story, mixed use building designed to serve the needs of homeless youth. Building includes 2 floors of housing, 2 floors office areas, medical clinic, food service, and training facilities.

Cannery Mall, Corvallis, Oregon 2000
Mechanical, Electrical and Plumbing design for total renovation of building shell for 56,000 SF, 3 story, mixed use (retail/office) building. Ground and basement levels housed retail spaces with office use on upper floor.

Project Experience

Church Buildings

Hood-McNees, Inc
1923 SE Stark Street
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(503) 231-7825

Southwest Hills Baptist Church, Beaverton, Oregon 2008
Mechanical and Electrical design for a 2,400 sq ft classroom addition.

Junction City Baptist Church, Junction City, Oregon 2008
Mechanical, Electrical and Plumbing design for a 12,800 sq ft new church building

Ukrainian Bible Church, Fairview, Oregon 2007
Mechanical and Plumbing design for a 32,000 sq ft conversion of an industrial building into a church with 15,000 sq ft Auditorium, 3,500 sq ft Multi-Purpose Room, 4,000 sq ft Reception Hall and 10 Classrooms, Office areas and commercial kitchen.

Faith Baptist Church, Harney County, Oregon 2007
Mechanical, Electrical and Plumbing design for a 5,000 sq ft Gathering Hall and classroom addition with commercial kitchen.

Crossroads United Methodist Church, Kimberly, Idaho 2007
Mechanical, Electrical and Plumbing design for a 25,000 sq ft new church with 3,800 sq ft Assembly Space, 5,400 sq ft Multi-purpose room, 10 classrooms and commercial kitchen.

Christ Episcopal Church, St. Helens, Oregon 2006
Mechanical, Electrical and Plumbing design for a 3,000 sq ft Parish Hall and classroom addition with commercial kitchen.

Church of Truth, Vancouver, Washington, Phase 1 - 2005, Phase 2 - 2006
Mechanical and Electrical design reconfiguring an existing metal building into a church. Phase I included design for a 15,000 sq ft area of office and classroom space. Phase II 26,000 sq ft consisted of designing the lobby, sanctuary and additional classroom areas.

Countryside Community Church, Washington County, Oregon 2003
Mechanical, Electrical and Plumbing design for new 22,030 SF building with 500 seat Multi-use Auditorium, classrooms, offices, and ADA accessible toilet rooms.

Cedar Hills Baptist Church, Beaverton Oregon 2001, 2003
Mechanical, Electrical and Plumbing design for lift & ADA toilet room addition. The existing Church is a two story building without any wheelchair access the lower level. This project was designed to provide ADA access from the main parking area to both levels.

Park Place Evangelical Church, Oregon City, Oregon 2001
Plumbing and Electrical design for remodel of existing classrooms, offices and ADA accessible toilet room, as well as two classroom additions.

Montavilla Baptist Church, Portland Oregon 2001
Mechanical, Electrical and Plumbing design for ADA upgrades including new toilet rooms, 4 stop elevator, ramped entry, and new electrical service.

Church of St. Francis, Sherwood Oregon 2000
Mechanical design for the 2,300 SF addition to the main sanctuary and 900 SF expansion to the narthex.

Project Experience
Church Buildings (continued)

Hood-McNees, Inc
1923 SE Stark Street
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Evergreen Presbyterian Church, Beaverton Oregon 2000**

Mechanical and Plumbing design for new 3,800 SF building with 280 seat Sanctuary, classroom, offices, and ADA accessible toilet rooms.

Southwest Church of Christ, Tigard Oregon 2000**

Mechanical and Plumbing design for 6,500 SF addition and 1,100 SF remodel to increase classroom space.

St. Matthew Catholic Church, Hillsboro Oregon 1999**

Mechanical and Plumbing design for new 5,500 SF office facility with small chapel located on the campus of the church and school.

Bethany Evangelical Free Church, Canby Oregon 1999**

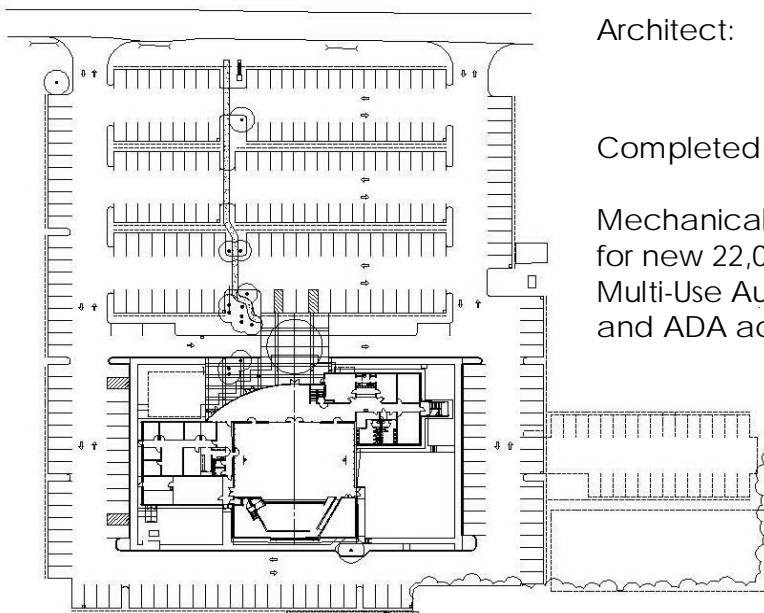
Mechanical and Plumbing design for 2,100 SF of new office addition and 5,600 SF remodel of the Narthex and toilet rooms to provide ADA access.

**Mr. Hood's personal experience while working at previous firms.



Countryside Community Church Sherwood, Oregon

New Church Building on Undeveloped Site



Architect: FWL Architects, Inc.
Portland, Oregon

Completed: 2003

Mechanical, Electrical & Plumbing design
for new 22,000 SF building with 500 seat
Multi-Use Auditorium, classrooms, offices
and ADA accessible toilet rooms.

Project Experience
Educational Buildings

Hood-McNees, Inc
1923 SE Stark Street
Portland, Oregon 97214
(503) 231-7825

St Mary's Academy Media Center Remodel, Portland, Oregon 2008
Mechanical and Plumbing design for Library and Computer Classroom upgrades. Project involved providing new mechanical systems for 6,000 SF of the school.

Oregon Child Development Coalition, Milton Freewater, Oregon 2005
Mechanical and Plumbing design for remodel to an existing 900 square foot kitchen used to serve students in their "Headstart" program. Design included new HVAC equipment and plumbing.

Vernonia Middle School, Vernonia, Oregon 2005
Mechanical and Plumbing design for new 16,000 SF school building, featuring an economical system for a small school district with a limited budget.

St Mary's Academy, Portland, Oregon 2004
Mechanical and Plumbing design for Classroom Unit and Commons Addition totaling 16,000 SF. The added space was located on top of the existing multi-story school building requiring extra efforts to integrate the new construction with present services and structure.

Centennial Elementary School Gymnasium, Scio, Oregon 2003
Mechanical, Electrical & Plumbing design for new 17,600 SF gymnasium and cafeteria building with shower & toilet rooms, space for 3 future classrooms and rough-in for future kitchen.

Mt. Hood Headstart, Portland, Oregon 2003
Mechanical and Plumbing design to convert a 2,400 square foot warehouse space to accommodate a "Headstart" program, including new HVAC equipment and plumbing facilities.

Cipriano Ferrel Education Center, Woodburn, Oregon 2003
Mechanical, Electrical & Plumbing design for new 8500 SF building to support migrant workers with a "Headstart" program and tutoring center with computer lab, and classrooms.

St Mary's Academy, Portland, Oregon 2002
Mechanical and Plumbing design for remodel of Fine Arts Classroom (2400 SF), Main Lobby (3800 SF), and new President's Office Suite (850 SF). During the summer construction opportunity other parts of the building's mechanical systems were upgraded or improved such as the central building controls (master time clock, boiler alarms, & after hours time clock overrides), crawl space ventilation, central supply & exhaust fan repairs.

St Mary's Academy, Portland, Oregon 2001
Mechanical design assistance to select system types for a Design/Build Contractor to remodel of a 700 seat theater and athletic facilities (weight room, lockers & team rooms.)

St. Andrews Nativity School, Portland, Oregon 2001
Mechanical, Electrical and Plumbing design for elevator installation and new science rooms. A new electrical service was designed to support the needs of the elevator.

Project Experience

Educational Buildings (continued)

*Hood-McNees, Inc
1923 SE Stark Street
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OCDC Ontario HVAC Upgrade, Ontario, Oregon 2001

Mechanical and Electrical design for upgrade of fire alarms, heating and ventilation systems in classrooms and gymnasium. The existing central steam boiler was removed and 26,000 SF of the building provided with roof top packaged HVAC equipment to provide both heating and cooling.



Cipriano Ferrel Education Center Woodburn, Oregon



Architect: Andrews Architects, Inc.
Portland, Oregon

Completed: 2003

Mechanical, Electrical & Plumbing design
for new 8,500 SF building with tutoring
center, computer lab, and "Headstart"
program for migrant workers.





Hood-McNees, Inc.

Electrical / Mechanical Engineers

St. Mary's Academy Portland, Oregon



Renderings: © BOORA Architects, Inc., - Used by permission



ST. MARY'S ACADEMY
Today's Young Woman. Tomorrow's Leader.

Architect: BOORA Architects, Inc.
Portland, Oregon

Completed: 2005



Mechanical and Plumbing design for a rooftop addition to the south end of a downtown secondary school for young women. Oregon's oldest continuously operating secondary school & only remaining single-gender school.

Project gives the school much needed instructional and administrative space. The new space is composed of five new classrooms, a student commons, a boardroom, offices, and support areas.

The addition blends with the existing brick façade and balances out an earlier addition on the north end of the third floor.

1923 SE STARK STREET, PORTLAND, OREGON 97214 PHONE (503) 231-7825 FAX (503) 231-8309

Project Experience
Government Projects

Hood-McNees, Inc
1923 SE Stark Street
Portland, Oregon 97214
(503) 231-7825

Irrigon City Hall, Irrigon, Oregon 2006

Mechanical, Electrical and Plumbing design for a new 4000 sq ft City Hall. Mechanical design included a ground source heat pump system and mechanical features to protect against nerve gas infiltration.

Crooked River Ranch Fire Station – Terrebonne, Oregon 2007

Mechanical, Electrical and Plumbing design for a new 15,600 sq ft station. Features will include: Fireman office and living areas, radiant floor heat for apparatus bays, tap out system, emergency power system, energy efficient lighting and controls.

Terrebonne Fire Station – Terrebonne, Oregon 2006

Mechanical, Electrical and Plumbing design for a new 6,500 sq ft station. Features will include: Fireman office and living areas, LP radiant heat for apparatus bays, tap out system, emergency power system, energy efficient lighting and controls.

Abernathy FTC Physiology Lab, Longview, Washington, 2004

Mechanical, Electrical and Plumbing design for a 3,500 SF laboratory addition for U.S. Fish and Wildlife Services.

Oregon Zoo: Cascade Exhibit, Portland, Oregon 2006

Mechanical, Electrical and Plumbing design to create a more natural exhibit for local wild animals such as bear, bobcat, cougar, and mountain goats.

Crook County Rural Fire Department, Prineville, Oregon 2002

Two stations: one at Juniper Canyon and the other at Powell Butte
Mechanical, Plumbing and Electrical design for a new 6,500 sq ft stations. Features will include: Fireman office and living areas, LP radiant heat for apparatus bays, tap out system, emergency power system, energy efficient lighting and controls.

Multnomah County Receiving Center - MDT Building, Portland, Oregon 2003

Mechanical and Plumbing design for remodel of 23,700 SF, 3 story building to adapt for new program needs. Design included new mechanical systems and controls to be included in campus wide energy management system.

City of Tualatin: Boones Ferry Road Improvements Phase 2, Tualatin, Oregon 2003

Electrical design for a downtown enhancement project for the City. Services included roadway illumination (street lighting) and relocating to underground of Power, Telephone and Cable TV utilities.

County House Reconstruction, Ft. Vancouver National Historic Site,
Vancouver, Washington 2003

Mechanical design for heating of new exhibit space built in the original style of construction as a historic recreation.

Multnomah County Receiving Center – Residence Building, Portland, Oregon 2002

Mechanical, Electrical and Plumbing design for new 10,800 SF building to house children taken in by the County due to family problems. The building included 16 dorm rooms, kitchen & dining facilities, offices, and supervised play areas. Design included access security systems, lighting, data, and telephone systems.

Project Experience
Government Projects (continued)

Hood-McNees, Inc
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Portland, Oregon 97214
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Multnomah County Receiving Center - Service Building, Portland, Oregon 2002
Mechanical, Electrical and Plumbing design for remodel of 14,800 SF, 2 story building to adapt for new program needs. Design included new mechanical systems, lighting, data, telephone for office and observed family meeting rooms.

State of Oregon Human Resources Building, Albany, Oregon 2002
Mechanical, Electrical and Plumbing design for remodel of 45,800 SF leased space to update building for State's current program needs with new mechanical system, lighting, space allocation, and finishes. The mechanical system included an energy conservation measure (heat wheel) to permit increased outside air to be introduced into the building for better indoor air quality without the energy cost penalty.

Diamond Lake Campground Showers, Umpqua National Forest, Oregon 2002
Mechanical, Electrical and Plumbing design for new 'K & M-Loops' shower facilities, including solar water heating for showers and in-floor radiant heat, as well as winter freeze protection.

TRIMET: Powell Lift Facility, Portland, Oregon 2002
Electrical systems design for new 3100 sq ft support facility for LIFT program. Included site lighting design for bus lot expansion. Design Build project executed with TICE Electric Company.

TRIMET: Powell Facility Lighting Study, Portland, Oregon 2002
Detailed study of bus lot lighting with particular attention to reference standards, TRIMET standards, safety, lighting quality, maintenance and energy saving opportunities, and obtrusive light considerations (light spill into adjacent neighborhoods). Study involved field surveys, public meeting with neighbors, analysis, recommendations and cost estimates.

Rim Village Renovation, Crater Lake National Park, Oregon 2001
Mechanical design for renovation of historic buildings (Comfort Station, Community Building, Kiser Studio, Sinnott Memorial Overlook) at Lake Rim for continued public use.

Oregon Zoo, Portland, Oregon

Family Farm Exhibit, 2005

Mechanical, Electrical & Plumbing design to create an exhibit for typical animals found on the traditional family farm. Project included animal holding areas and areas for people interaction with exhibit animals.

Eagle-Salmon Exhibit, 2004

Mechanical, Electrical & Plumbing design to expand the Cascade Exhibit to include a new display salmon tank with viewing glass side and open to the new eagle aviary. Design included interactive pool for child's play with water treatment for people and salmon.

Amazon Flooded Forest Exhibit, 2001

Plumbing and Electrical design services to convert an existing 2,200 SF Primate Exhibit into an Amazon Forest exhibit. Included plumbing system design to support a variety of animal species (fish, turtle, reptile, snake, rodents and primates.)



Eagle Canyon Exhibit Oregon Zoo, Portland, Oregon



Architect: Koch Landscape Architecture
Portland, Oregon

Completed: 2004

Mechanical, Electrical and Plumbing design to expand the Cascade Exhibit to include a new display salmon tank open to the new eagle aviary with viewing glass side.

Design included water falls and interactive pool for child's play with water treatment for people and salmon.





Amazon Flooded Forest Exhibit Oregon Zoo, Portland, Oregon



Completed: 2001

Plumbing and Electrical design services to convert an existing 2,200 SF Primate Exhibit into an Amazon Forest exhibit.

Included plumbing system design to support a variety of animal species (fish, turtle, reptile, snake, rodents and primates.)



Trillium Creek Family Farm Exhibit Oregon Zoo, Portland, Oregon

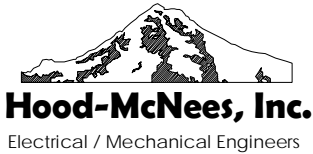


Architect: Ankrom Moisan Associated Architects
Portland, Oregon

Completed: 2004

Mechanical, Electrical & Plumbing design to create an exhibit for typical animals found on the traditional family farm. Project included animal holding areas and areas for people interaction with exhibit animals.





Multnomah County Gateway Children's Center Portland, Oregon



Service Building

Architect: Carleton Hart Architecture, P.C.
Portland, Oregon

Completed: 2002 Service & Residence Bldgs.
2003 MDT Building

Service Building:

Mechanical, Electrical & Plumbing design for remodel of 14,800 SF, 2 story building to adapt for new program needs. Design included new mechanical systems, lighting, data, telephone for office and observed family meeting rooms.

Residence Building:

Mechanical, Electrical & Plumbing design for new 10,800 SF building to house children taken in by the County due to family problems. The building included 16 dorm rooms, kitchen & dining facilities, offices, and supervised play areas. Design included access security systems, lighting, data, and telephone systems.

MDT Building:

Mechanical & Plumbing design for remodel of 23,700 SF, 3 story building. Design included new mechanical systems and controls to be included in campus wide energy management system.



Residence Building

Tri-Met Powell Lift Facility Portland, Oregon



Architect: CIDA
Portland, Oregon

Contractor: Tice Electric Company
Portland, Oregon

Completed: 2003

Tri-Met Powell lift facility was a new building and parking lot, built adjacent to the existing Tri-Met Bus maintenance facility. Working closely with the electrical contractor and Tri-Met facility personal, a scope of work was developed to achieve optimal performance of the facility along with energy savings and concerns for the surrounding residential neighborhood.

Our involvement in the project was:

1. Time clock control of parking lot lights to reduce the impact on surrounding residential neighbors during non-peak use of facility.
2. Achieving the required Tri-Met light levels around vehicles at the facility.
3. Using Occupancy sensors and Bi-level lighting of interior lighting to achieve optimum energy efficiency.
4. Design of the electrical system to allow operation from a backup generator.



Project Experience
Tenant Improvements

Hood-McNees, Inc
1923 SE Stark Street
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North Harbour Retail Center, Portland Oregon

Pizza Mia 2004

Plumbing design for 2800 SF Pizza Restaurant with full kitchen to support both dine-in and take-out customers.

Waddles 2003

Plumbing design for the 3570 SF new location of an long standing Portland restaurant. Project included a full kitchen and bar.

Barbur Shops, Portland Oregon

La Costita III 2004

Mechanical, Electrical & Plumbing design for 3800 SF Mexican Restaurant. Project included a full kitchen and bar.

Sunset Commercial Center, Corvallis Oregon

Blue Sky Restaurant 2002

Mechanical, Electrical & Plumbing design for 2500 SF Chinese Restaurant with full kitchen to support both dine-in and take-out customers.

Creekside Coffee 2000

Plumbing design for 1250 SF coffee shop.

All Family Vision Center 2000

Mechanical & Plumbing design for 1500 SF dispensing Optometrist store with exam room, offices, and display areas.

Little Caesar's Pizza 1999 ⁽¹⁾

Mechanical & Plumbing design for 1400 SF Pizza Restaurant with kitchen support both dine-in and take-out customers.

Cannery Mall, Corvallis Oregon

US Geological Survey Offices 2002

Mechanical, Electrical & Plumbing design for 4800 SF office space and the addition of new public restrooms to serve the top floor of the building.

Northwestern Mutual Life 2002

Mechanical, Electrical & Plumbing design for 1600 SF office space.

Stover Neyhart & Co. 2002

Mechanical, Electrical & Plumbing design for 3100 SF office space.

Martin Office Building, Tigard Oregon

Bogumil, Holzgang, Co. P.C. 2002

Mechanical design for 6000 SF office space.

Main Street at Bethany Village, Washington County Oregon

Health Club, Building D 2002

Plumbing design for 2850 SF health club.

⁽¹⁾ Mr. Hood's personal experience while working at previous firms

Project Experience
Commercial/Retail Buildings

Hood-McNees, Inc
1923 SE Stark Street
Portland, Oregon 97214
(503) 231-7825

Sleep Country USA, Eugene, Oregon 2007

Mechanical tenant improvement for new 6,650 SF retail business.

Staples, Eugene, Oregon 2007

Mechanical, Electrical and Plumbing building design for new 20,000 SF retail business.

Michael's, Eugene, Oregon 2007

Mechanical, Electrical and Plumbing building design for new 24,000 SF retail business.

Mohawk Corner, Springfield, Oregon 2006

Mechanical, Electrical and Plumbing building shell design for new 6,350 SF retail building.

Eagle Landing Club House, Clackamas, Oregon 2004

Mechanical design and Plumbing & Electrical design assistance for new 7,400 SF golf course clubhouse with Pro Shop, meeting space, offices, and future commercial kitchen.

Restaurant at Campbell Basin, Crystal Mountain, Washington 2004

Mechanical, Electrical and Plumbing design for new 10,600 SF restaurant located at the end of a ski run on the east side of Mt. Rainer.

Sherwin-Williams Paints, Vancouver Washington 2004

Mechanical, Electrical and Plumbing design for new 4800 SF retail building for local owner under national franchise standards.

Aeroterm Air Cargo Facility Expansion, Portland, Oregon 2002

Mechanical design for tenant improvement including offices (4100 SF), package sorting and truck loading (35,000 SF). Design included exhaust systems for vehicular ventilation.

Outside In, Portland, Oregon 2002

Mechanical design for new 27,000 SF, 5 story, mixed use building designed to serve the needs of homeless youth. Building includes 2 floors of housing, 2 floors office areas, medical clinic, food service, and training facilities.

Bi-Mart Plaza, Coos Bay, Oregon 2001

Mechanical design assistance for new 42,300 SF retail building.

Beaverton Bi-Mart, Beaverton Oregon 2001

Plumbing design and Mechanical design assistance for renovation of 42,300 SF retail building.

Cannery Mall, Corvallis, Oregon 2000

Mechanical, Electrical and Plumbing design for total renovation of building shell for 56,000 SF, 3 story, mixed use (retail/office) building. Ground and basement levels housed retail spaces with office use on upper floor.

Project Experience

Commercial/Retail Buildings (continued)

*Hood-McNees, Inc
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Kaiser Commercial Building, Kaiser, Oregon 2000

Mechanical design for a new 13,500 SF commercial strip building shell. Services included plumbing rough-in for future restrooms, and location, selection and placement of rooftop HVAC units.

Ross (Dress for Less) Garden Valley Center, Roseburg, Oregon 2000

Mechanical, Electrical and Plumbing design for remodeled 35,000 SF retail building.

Jubitz Truck Stop, Portland, Oregon 2000⁽¹⁾

Mechanical design for a 45,000 SF addition to the current building. The project consisted of a refurbished lounge, an expanded restaurant with banquet facilities, e floors of new hotel rooms and a retail center. The retail center included an 80 seat movie theater, a convenience store and laundry facilities.

⁽¹⁾ Mr. Hood's personal experience while working at previous firms.



Cannery Mall Corvallis, Oregon

Renovated Mixed Use Development



Architect: RAR Architecture, Inc.
Portland, Oregon

Completed: 2000 Building Shell
2002 3 Tenant
Improvements

Mechanical, Electrical & Plumbing design for total renovation of building shell for 56,000 SF, 3 story, mixed use (retail/office) building. Ground and basement levels housed retail spaces with office use on upper floor.

Mechanical, Electrical & Plumbing Design for 3 Individual Tenant Improvements





Architect: Clark / Kjos Architects
Portland, Oregon

Contractor: Roth Heating & Cooling
Canby, Oregon

Completed: 2002

Mechanical design for new 27,000 SF, 5 story mixed use building designed to serve the needs of homeless youth. Building includes 2 floors of housing, 3 floors office areas, medical clinic, food service, and training facilities.

Project Experience
Parks, Site Lighting, Roadways

Hood-McNees, Inc
1923 SE Stark Street
Portland, Oregon 97214
(503) 231-7825

Wes Bennett and Weathers Street Parks – Salem, Oregon 2006

New neighborhood parks with pathway lighting and picnic shelters. HMI provided electrical design services for pathway lighting, irrigation power and utility service coordination.

Woodscape Linear Park – Salem, Oregon 2006

A unique park paralleling new residential developments. HMI provided electrical design services for pathway lighting, irrigation power and utility service coordination.

City of Tualatin: Boones Ferry Road Improvements Phase 1 - Tualatin, Oregon 2005

A downtown enhancement project for the City for which we provided design services for roadway illumination (street lighting) and relocating to underground of Power, Telephone and Cable TV utilities.

Jurgens Park - Tualatin, Oregon 1999 to 2003

HMI provided electrical design for initial half-street improvements and phased park improvements, including: basic electrical infrastructure; new restroom building/ball field/tennis courts, river based irrigation system.

Tualatin Hills Nature Park Classroom & Gateway Addition – Beaverton, Oregon 1999

New gateway structure and classroom building welcome visitors to this 170 acre park in the midst of a growing suburban city. This is the second phase and complements the original visitors center building constructed in 1995. HMI provided electrical systems design for each project.

Tualatin Hills Parks & Recreation District Nature Park Improvements,
Beaverton, OR 1997

Mr. McNees provided electrical design expertise for parking lot and walkway lighting, site power and telephone utilities as well as interior electrical design for Visitor center. Design challenges included pole height restrictions due to high voltage overhead power transmission lines and minimization of underground power/branch lighting raceway effects on wetlands. Provisions for future buildings were included in the base design.

Ibach Park - Tualatin, OR 1995

New community park with children's activity area, restroom, ball fields and tennis facilities. Mr. McNees furnished electrical design for building and field electrical needs.

Tualatin Community Park - Tualatin, OR 1994

Parking lot, drive and walkway re-lighting project. Mr. McNees' design raised lighting levels from unacceptable to better than IES recommendations. This was a great benefit for the Senior citizens using this facility.



Tualatin Hills Nature Park Visitor's Center and Gateway Tualatin, Oregon



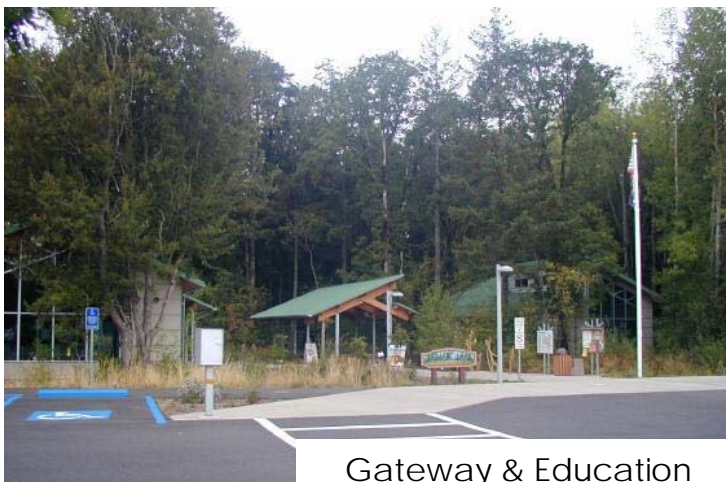
Visitor's Center

Architect: SRG Partnership
Portland, Oregon

Completed: 1999 Visitors Center & Trails
2001 Gateway & Education Bldg.

Visitors Center and Site:

Electrical design for 5,000 SF, Earth Smart building to serve program needs. Design included site electrical services, parking lot lighting, interior lighting and specialty lighting, data, and telephone. One challenge met was accommodation of high voltage overhead lines in parking lot.



Gateway & Education

Education Building:

Mechanical, Electrical & Plumbing design for new 2,400 SF restroom and classroom building for education mission of the center.

Gateway:

Electrical design for illumination of entry structure welcoming guests to the center and trailhead.