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DESIGN PROJECTS LIST 2003-2008 ASHEVILLE, NC

PROJECT	DESCRIPTION	OWNER	A/E	OUR WORK
Orr Building	College Relations and Admissions Office Building	Warren Wilson College Swannanoa NC Paul Braese PE 771-3080	Affiliated Consultants, Engineers	HVAC & Energy Engineering (Trane Trace) for a LEED Gold building. Geothermal Heat Pump system design. Controllable air distribution.
Ogg Building	Administration	Warren Wilson College Swannanoa NC Paul Braese PE 771-3080	Affiliated Consultants, Engineers	Designed a high efficiency retrofit A/C system using Variable Refrigerant Flow heat pumps.
Schwartz Residence	Large Texas Home	Peter Schwartz Bulverde, Cobol Co. TX	Carol Hughes Spaceplan	PME Design. Solar HW, Photovoltaic Electric, High Efficiency Variable Refrigerant Flow Heat Pumps, Rainwater harvesting, composting toilets.
Main Office HVAC revisions	Main Office	Colbond Corp. Enka NC Fred Bailey, EE, PM 665-5000	Affiliated Consultants, Engineers	Building was uncomfortable because cooling load did not match system set-up. We made a HVAC improvement study, retrocommissioned the building, recalculated requirements at each workstation, designed and recommissioned systems, designed glass change-out,
Graham County EMS	Offices, Dayrooms, Sleeping Rooms, Data Center, Fire Truck/Ambulance	Graham Co. NC	CE Tech Larry Lackey PE 8285249185	PME engineering, integrated and coordinated design.
Natureplay Dayschool	Six Classroom Passive Design Environmentally Sensitive School	Ken Huck, GC & Owner phone 350-7529	owner	PME Design. Solar HW, Indirect Lighting, High Efficiency Refrigerant circulating Heat Pumps, Low operating cost, maximum comfort and indoor air quality.
HVAC Systems	Church Sanctuary and Daycare Center	Hill Street Baptist Church Betty Irvine, Secretary 254-4646	Affiliated Consultants, Engineers	Redesigned and recommissioned hot water radiation system, designed and commissioned new HVAC to achieve optimum indoor air quality and comfort on a tight budget.
Governor's Village heating rebuilding	Replaced Piping; reworked controls and pumps	UNCA ref. Paul Braese, PE at WWC	Affiliated Consultants, Engineers	Redesigned and recommissioned hot water radiation system, and recommissioning including new flow control, and the first PEX underground system in Western NC (as a replacement for steel).
Southridge Hall HVAC Redesign		UNCA ref. Paul Braese, PE at WWC	Affiliated Consultants, Engineers	Redesigned the system from constant water flow to variable water flow and Redesigned the control systems.
Cabin Creek Timber Frames	Office, Manufacturing and Machine Shop	Cabin Creek Timber Fr. 6624 Georgia Road Franklin NC 28734	Affiliated Consultants, Engineers	Energy Modeling in Trane Trace to establish basis for tax credits and efficiency brochure for SIPS on Timber Frame construction
Nick & Nate's Restaurant	Restaurant	Nick & Nates Restaurant Sylva NC	CE Tech L. Lackey, PE	PME engineering, integrated and coordinated design.