



FOR THE AUTONOMOUS INDIVIDUAL

ARCHITECTURE // COMMERCIAL // OFFICE AND STORAGE

GARBER METROLOGY
COMMERCIAL OFFICE, LABORATORY AND SELF STORAGE FACILITY

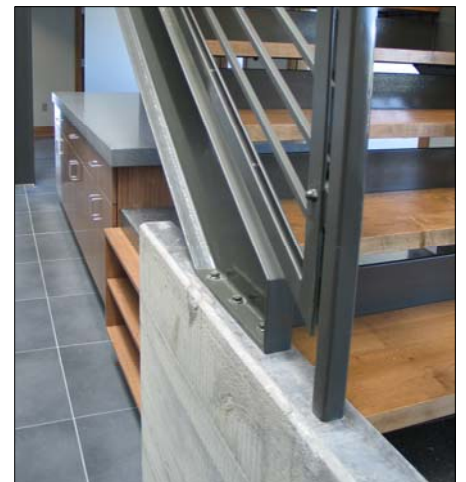
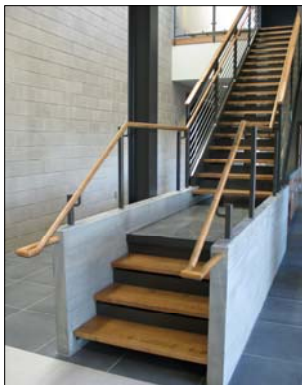


Designed to house the offices and laboratories of a growing specialized testing, calibration and dimensioning company, the new facility possesses a plethora of innovative building technologies aimed to provide the highest levels of user comfort, long-term maintenance remediation and ownership value. Garber Metrology demonstrates the progressive mindset of its owner by employing such advanced design strategies as optimized natural daylight, cool roof design, recreation and break facilities, super insulating, high performance lighting, bio-retention rainwater planning, walking trails and gardens. At three stories and over 50,000 SF, the mixed-use structure also houses conditioned self-storage facilities.

CLIENT	G INVESTMENTS
LOCATION	LITITZ, PA
YEAR COMPLETED	2010
PROJECT SIZE	53,440 SF

APPROACH

MASTER PLANNING // ARCHITECTURE // INTERIOR DESIGN // CONTRACT ADMINISTRATION





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GARBER METROLOGY
HIGH PERFORMANCE, GREEN BUILDING DESIGN FEATURES

EXTERIOR AND SITE

- Bio-retention facilities and best-management practices rainwater planning including underground rainwater storage, water-quality bio-retention filtration and infiltration
- Dark-sky compliant site lighting
- Cool roof design using TPO (thermoplastic polyolefin membrane) over polyisocyanurate rigid insulation
- Optimized natural daylighting – windows for all private offices and translucent fiberglass skylights to interior spaces
- Walking trail and gardens
- Super insulating, reflective laminated metal wall panels @ R-24 continuous

INTERIOR AND ENVIRONMENTAL COMFORT

- Active recycling and waste segregation program
- High-recycled (post-consumer content) products including carpet, floor tile, etc.
- Low VOC content adhesives, paints and stains
- Natural gas-fired, variable refrigerant flow (VRF) heating and cooling system – similar to geo-thermal w/o wells
- Low-flow restroom fixtures
- High performance lighting and electrical systems using occupancy sensors, dimmer controls, electronic ballasts, T8 lamping, etc.
- Recreation and break facilities including shower and lockers for fitness activities and bikers

LEED v2.2 RATING SYSTEM POINT EVALUATION

- Alternative Transportation, Bicycle Storage & Changing Rooms
- Alternative Transportation, Low-Emitting & Fuel Efficient Vehicles
- Stormwater Design, Quality Control
- Heat Island Effect, Roof
- Light Pollution Reduction
- Water Efficient Landscaping, Reduce by 50%
- Water Use Reduction, 20% Reduction
- ASRAE 90.1 Energy Performance Improvement
- Construction Waste Management
- Recycled Content, Minimum (post-consumer content)
- Regional Materials, Minimum Extracted, Processed & Manufactured
- Increased Ventilation
- Construction IAQ Management Plan, During Construction
- Construction IAQ Management Plan, During Occupancy
- Low-Emitting Materials, Adhesives & Sealants
- Low-Emitting Materials, Paints & Coatings
- Low-Emitting Materials, Carpet Systems
- Indoor Chemical & Pollutant Source Control
- Controllability of Systems, Lighting
- Controllability of Systems, Thermal Comfort
- Thermal Comfort, Design
- Daylight & Views, Daylight from 75% of Occupied Spaces
- LEED Accredited Professional