



architecture + engineering innovations

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## PARTIAL PROJECT LIST - RESIDENTIAL

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1. **New Private Residence, Manheim Township, Lititz, PA** – Architectural design and engineering for a single family residence for the Brighton Development, A Millfield Neighborhood. Family residence features 2,735 SF with 1.5 stories designed to suit “empty nester” lifestyles. Design included first floor great room with vaulted ceiling, formal dining room for entertaining, country-style kitchen with eat-in breakfast nook, separate office/guest bedroom, huge granite gathering island and master bedroom suite and bath with Jacuzzi tub and separate shower. Upstairs quarters designed for visiting guests with full bedroom, bath and separate loft study/den area overlooking great room. Exterior features included faux carriage-door 2-car garage; backyard brick patio with arbor and pillars.
2. **Residential Expansion, East Hempfield Township, Lancaster, PA** – Architectural design for a formal dining room addition including new deck and basement spaces. Addition design included 600 SF dining and basement areas. Dining area featured vaulted ceiling and custom windows providing panoramic views to outdoor scenery.
3. **Private Residence Renovation/Remodel, East Bradford Township, Downingtown, PA** – Single family renovation and remodel including 2,400 SF first story with basement. Design included three bedrooms, 2.5 baths, den, dining room, eat-in kitchen and great room. Complete interior demolition and renovation of first floor space. Features including outdoor views, open plan, vaulted great room and covered porch.
4. **Residential Expansion, East Hempfield Township, Lancaster, PA** – Two-story residential addition of a 786 SF living quarters with 2 bedrooms and one bath, above a new three-car garage with workshop area. Living spaces included plan for future in-law suite with loft and separate staircase.
5. **Residential Addition, East Bradford Township, Downingtown, PA** – One-story addition to provide 300 SF for vaulted dining room and living room, screen in porch and basement areas and providing storm water control to zoning code requirements.
6. **Planned Residential Development, State College, PA** - A 94- Acre tract of land re-zoned from agricultural to residential, commercial and industrial. Development included multi-density housing, water features, a town center, neighborhood parks and walking trails.



7. **Private Residence, Downingtown, PA** – Architectural design and engineering for a 4,200 SF (finished space above grade) custom residence on a sloping, wooded lot in Downingtown, PA. Design included 12:12 hip roofs with intersecting gables, stone and stucco exterior, 17-foot high entrance hall. Floor plan included 4 bedrooms, 3-1/2 baths, home office, master suite with tray ceiling, sky-lights, whirl-pool tub and walk-in shower. Family room included 17-foot sloped ceiling, stone fireplace and interior balcony.
8. **Private Residence, Lancaster, PA** – Architectural design and engineering for an activity room and front porch addition to a private residence in Lancaster, PA. Design included a vaulted ceiling and brick terrace.
9. **Residential Expansion, East Hempfield Township, PA** – Architectural design, structural engineering and design of a 1,300 SF, three-phase expansion on Old Eagle Drive in East Hempfield Township, Pennsylvania. Phase 1 included an eight-foot high retaining wall to expand the rear yard to accommodate the enlarged house.
10. **Planned Private Residence, Manheim Township, PA** – Custom residential design for a one and one-half story 2,700 SF “empty nester” home with applied first floor living conveniences: open kitchen with gathering island, breakfast nook, great room with vaulted ceiling, gas fireplace, formal dining room, mudroom between kitchen and oversized 2 car garage with storage, master bedroom suite and bath, customized walk-in closets. Second bedroom, bath and library area suitable for guest quarters. First floor office or potential third bedroom with nearby additional full bath. Plans designed to maintain consistency with traditional neighborhood development.
11. **Residential Expansion, Downingtown, PA** – Architectural design, structural, civil, mechanical and electrical engineering for the addition of a 1,200 SF second floor to a one-story residence in Downingtown Pennsylvania.
12. **Hillside Terrace Apartments, Aberdeen, MD** – Architectural design and engineering for reconstruction of 30-unit, 3-story apartment building following fire damage.
13. **Sun Room Addition, Lancaster, PA** – Architectural design and engineering for four-season sun room addition to a private residence in Lancaster, PA. Design included a vaulted ceiling and window-wall.
14. **Private Residence, Warminster, PA** – Architectural design and engineering for a master-suite addition with deck and renovations for a private residence in Bucks County, Pennsylvania.
15. **Private Residence, Yardley, PA** – Architectural design. Full-service design from conceptual through construction, for renovations to a private residence in Bucks County, Pennsylvania.



16. **Renovation of Private Residence, Yardley, PA** – Architectural evaluation of 2,800 SF residence located in Lower Makefield Township. Investigation included entire envelope of the house both above and below grade. Mitigation design involved re-engineering and replacement of the entire above-grade water-resisting envelope system, interior renovations below-grade and a new front porch.
17. **Private Residence, Lancaster, PA** – Architectural and structural design of 1,800 SF addition to 3,200 SF residence located in Manheim Township. Design included long-span truss with habitable space within the web members, site design and underpinning of existing foundation.
18. **Reconstruction of 1840-era Bank Barn for Use as Residence, in Chester County, PA** – Structural analysis of existing post and beam timber frame and stone foundation of bank barn on historic dairy farm in Middletown Township. Engineering included framing and foundation renovations plus complete rehabilitation of interior and envelope. Design program included all three levels: a 28-foot high entrance hall with central stair and skylight-illuminated vaulted ceiling on the main level, bedrooms with full baths on the loft level and sound studio on the lower level.
19. **Addition to Private Residence, Chester Springs, PA** – Alterations and 2,000 SF addition to a 1,500 SF Passive solar residence in West Pikeland Township. Design included earth-retaining wing walls, structural support of roof and overhangs over glass wall, master bath with radiant heat in marble-clad floor and walls, in-floor hot-water circulation system to distribute heat throughout the house.
20. **Historic Abbyville, Lancaster, PA** - Conceptual through detailed design for porch, port cochere and purgola additions for a historic, 1841 georgian-style residence.
21. **Private Residence, Montgomery County, PA** - A 7,000 SF residence featuring long-span exposed wooden trusses and cantilevered balconies.
22. **New Private Residence, Chester Springs, PA** – Design of new 2,600 SF custom home on a wooded lot in Chester Co., PA. Design included steep hip roof framing with intersecting gables, stone and stucco exterior, 21-foot high entrance hall with vaulted ceiling, master suite with elevated terrace, vaulted ceilings, sky-lights and step-up whirl-pool hot-tub. Family room included double-high sloped ceiling, stone fireplace and interior balcony.