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**Project Delivery:** GMP **Enclosure:** Brick Veneer (3-5/8” x 7-5/8”) Asphalt Shingles **Occupancy:**  128 Beds **New Construction:** 66,455 SF **Renovation Work:** 40,000 SF **Project Phasing:** *Phase 1* – Site Development *Phase 2* – New Additions *Phase 3* – Connect Additions *Phase 4* – Heavy Renovations *Phase 5* – Light Renovations

**Foundation:**  Caissons Grade Beams Spread Footings **CIP Concrete:** 4” Slabs-on-Grade 2” Topping Slabs 1st Floor Form Walls **Precast Concrete:** Solid Core Concrete Planking **Masonry:** CMU Bearing Walls (8”x16”) **Roof:**  Wood Trusses Wood Sheathing

**MEP**

**Structure**

**Cooling Tower:** 90,000 CFM **Boilers:** 3 Natural Gas Boilers 1 – WSHP (1,9680 MBH) 2 – Hot Water (1,680 MBH) **Condenser Pumps:** 2 Pumps (826 GPM) **Heat Recovery:** 2 Units (2,500 CFM) **Electrical System:** 480/277V 3 Φ, 4 Wire **Utility Feed:** 15 kV **Generator:** 800 kW **Fire Suppression:** Wet Pipe Sprinkler System

**Construction**

**Masonic Village at Sewickley**

**Sewickley, PA**

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**Project Overview**

**Owner:** Masonic Villages of Pennsylvania **CM:**  Weber Murphy Fox **Architect:** Reese, Lower, Patrick, & Scott **Engineers:** Macintosh Engineering, Alderson Engineering, Gateway Engineering **Building Type:** Retirement Home/Health Care **Total Height:** 3 Stories **Project Cost:** $22.8 Million **Duration:** Sept. 13, 2012 – Sept. 27, 2012 **Address:** 1000 Masonic Dr. Sewickley, PA 15143

**Jason M. Drake**

**Architectural Engineering | Construction Option**

**http://www.engr.psu.edu/ae/thesis/portfolios/2012/JMD5306/index.html**