

Andrew J. Covely - Structural

The Village at Waugh Chapel - Senior Living Facility III
2614 Chapel Lake Drive, Gambrills, MD 21054



BUILDING OVERVIEW

Usage - Residential apartment building

5 Stories - 4 above grade, 1 below

Size - 105,000 sq. ft.

ARCHITECTURAL FEATURES

Something for Everyone - this building features wood, concrete, steel, and CMU structural components

Living the Life - Located in a 55+ age community, everything is just a walk away

Roof - 6:12 and 12:12 pitched roof trusses

Typical Residential - standard residential construction with brick and siding

What a View - Balconies are located at each apartment

DESIGN AND CONSTRUCTION TEAM

Owner - Village Condos III, LLC

Architect - The Martin Architectural Group

Structural Engineer - KSE Engineering, Inc.

M.E.P. Engineer - Roy Larry Schlein & Associates

STRUCTURAL FEATURES

Foundation - 3000 psi spread footings

Sub-Structure - Poured concrete basement walls supporting composite deck on steel beams and girders

Super-Structure:

Gravity System - 18" deep wood floor trusses supported by wood interior and exterior bearing walls

Lateral System - Shear walls with 7/16" sheathing both ways

MECHANICAL FEATURES

Supply for Demand - Air supplied by (2) 12,500 CFM Greenheck units in the basement

From Here to There - round or square ductwork transports the air from the foyer area of each apartment into smaller ducts to each room

Each unit - 800-1600 CFM air handling units are found in most apartments

ELEC./LTG. FEATURES

Power Up - The building is powered by (2) 1000A 208/120V meter centers fed by utility company power

Distribution - The power is fed into the 600A main distribution panel

Further Distribution - 150A 208/120V unit panel feeders take the power from the main panel for use in the individual apartments