owner - 515 Granby, LLC. architect - Humphreys & Partners Architects, LP.

structural engineer - Abiouness, Cross and Bradshaw, Inc.

mep engineer - Jordan & Skala Engineers, Inc. civil engineer - LandMark Design Group construction manager - Turner Construction Company

**size** - 717,233 sq ft

height - 32 levels, 450 ft to spire

site area - 2.32 acres

occupancy - mixed use (luxury condominiums, offices, and shops)

cost - \$181,000,000

construction - July 2007 - September 2009

delivery method - GMP

style - postmodern, high-rise

envelope - hand set panelized curtain wall with store front built in place on lower levels highlighted by aluminum cladding throughout.

conveying system - 5 elevators (3 passenger travel 31 floors, 1 freight travels 32 floors, 1 hydro from first to second level)

appeal - great views overlooking Elizabeth River from tallest structure in Norfolk.

lateral system - cast in place concrete shear walls ranging in size from 14" to 24" thick and centralized concrete core

slabs - post-tensioned flat-plate

foundation - 1233 pre-stressed, square concrete piles range in size from 90'x14"x14" to 80'x12"x12", main mat consists of 1250 yds. of concrete and 255 piles.

framing - 3 floor townhomes partially wood framed

equipment - (2)100% outdoor air hyrdronic cooling units, forced draft cooling tower with 16500 MBH heat rejection capability, and 2000 MBH natural gas boiler

system - 4 pipe system with individual exchangers in each unit and boilers and chillers on top

residential - split system heat pumps (1.5 - 2.5 ton) in townhomes and water source heat pumps (1.5 - 8 ton) in tower homes

risers - subpanels every three floors with (2) 3 phase, 208V busses, each serving 15 floors distribution - 120/208V in units and 277/480V for egipment, dedicated 120/208V underground electric service for residential/retail

emergency - 500KW diesel generator at 277/480V

