

35 WEST 21ST STREET

NEW YORK, NY



GENERAL BUILDING DATA :

- **BUILDING HEIGHT:** 15 STORIES WITH A TOTAL HEIGHT OF 150 FT.
- **SQUARE FOOTAGE:** 162,000 SQ. FT.
- **OCCUPANCY:** RETAIL AND RESIDENTIAL
- **CONSTRUCTION DATES:** 01/02/08 TO PRESENT
- **BUILDING COST:** \$20,000,000
- **PROJECT DELIVERY:** DESIGN-BID-BUILD
- **OWNER:** ROSLAND/STEMPLE ASSOCIATES, LLC
- **ARCHITECT:** SLCEARCHITECTS
- **STRUCTURAL ENGINEER:** DESIMONE CONSULTING ENGINEERS
- **MECHANICAL ENGINEER:** COSENTINI ASSOCIATES
- **CM:** PLAZA CONSTRUCTION CORPORATION

ARCHITECTURE:

- T-SHAPE PLAN
- CLAD IN PRECAST CONCRETE PANELS WITH A CAST STONE, BRICK VENEER, OR GRANITE FINISH.
- PRECAST PANELS AND WINDOWS ARRANGED TO MATCH THE CHARACTER OF SURROUNDING BUILDINGS.



STRUCTURE:

- TWO WAY FLAT PLATE CONCRETE FLOOR SYSTEM WITHOUT DROPS.
- TYPICAL SLAB THICKNESS = 8"
- TYPICAL SLAB REINFORCEMENT CONSISTS OF #5@12" OC BOTTOM BARS E.W., AND #5@12" OC MIDDLE STRIP TOP BARS.
- REINFORCED CONCRETE COLUMN SIZES RANGE FROM 14"x16" TO 30"x18".
- LATERAL SYSTEM CONSISTS OF SHEAR WALL THAT EXTEND THE FULL HEIGHT OF THE BUILDING.
- COLUMN FOUNDATIONS CONSIST OF SPREAD FOOTS SUPPORTED BY MINI CAISSONS THAT GO DOWN TO BED ROCK



<http://www.engr.psu.edu/ae/thesis/portfolios/2009/dpd5003/index.html>