

# GATEWAY PLAZA

500 DELAWARE AVE., WILMINGTON, DE



ELIZABETH HOSTUTLER, STRUCTURAL OPTION

## PROJECT INFORMATION

LOCATION: 500 DELAWARE AVE.

SIZE: 387,000 SF

NO. OF STORES: 15 (ABOVE GRADE)

OVERALL PROJECT COST: \$52 MILLION

DATES OF CONSTRUCTION (START-FINISH):

JULY 2005-MAY 2006 (PROJECTED)

FUNCTION: MULTI-STORY OFFICE TOWER WITH LOWER LEVEL RETAIL, BANK, AND CAFE AND 5-STORY PARKING GARAGE.

## LIGHTING/ELECTRICAL SYSTEM

### LIGHTING

INTERIOR: 6" OPEN REFLECTOR DOWNLIGHT PENDANTS W/ COMPACT FLOURESCENT LAMPS.

EXTERIOR: METAL HALIDE DOWNLIGHTS AND LED ILLUMINATING STRIPS W/ TEMPERED GLASS LENSES.

### ELECTRICAL

● 480/277V & 208/120V POWER W/ (2) 2500/3325 KVA TRANSFORMERS & 1600A BUS RISERS.

● 750 KW, 938 KVA EMERGENCY GENERATOR

## PROJECT TEAM

OWNER/DEVELOPER: BUCCINI/POLLIN GROUP, INC.

GENERAL CONTRACTOR: GILBANE

ARCHITECT: GENSLER

ENGINEERS:

- CIVIL: LANDMARK ENGINEERS
- GEOTECH: DUFFIELD ASSOCIATES, INC.
- MEP: BALA CONSULTING ENGINEERS
- STRUCTURAL: O'DONNELL, NACCARATO & MACINTOSH

MAJOR TENANTS:

- LAW-FIRM OF MORRIS, JAMES, HITCHENS & WILLIAMS
- WSFS FINANCIAL CORP.

## STRUCTURAL SYSTEM

FOUNDATION: 12" DIA. AUGER-CAST PILES & GRADE BEAMS SUPPORTING 5" SLAB ON GRADE.

SUPERSTRUCTURE:

- OFFICE TOWER: COMPOSITE STEEL FRAMING
- GARAGE: PRE-CAST CONCRETE DOUBLE TEES ON CAST-IN-PLACE BEAMS & COLUMNS.

LATERAL SYSTEM:

- OFFICE TOWER: MIX OF BRACED, MOMENT, AND CHEVRON FRAMES AT 9 LOCATIONS

- GARAGE: PRE-CAST CONCRETE SHEARWALLS

STRUCTURAL SLABS: SLABS ON GRADE ARE 5" NWT. CONCRETE OVER 6" COMPACT FILL AND ELEVATED SLABS ARE 3 1/4" LWT. CONCRETE ON 3" COMPOSITE LOK-FLOOR DECK.

## ARCHITECTURAL FEATURES

- BOWED, GLASS CURTAIN WALL FACADE
- METAL PANEL "CROWN ON ROOF PERIMETER
- 14 FLOORS OF TENANT FIT-OUT
- KINKED ROOF ON FIRST FLOOR CAFE

## MECHANICAL SYSTEM

- 3-CELL WATER COOLING TOWER
- DIRECT EXCHANGE, 18-TON AIR CONDITIONING UNITS
- SPACE FOR RISERS IN TENANT FIT-OUT IN MECHANICAL ROOM