

MICA GATEWAY RESIDENCE

~ BALTIMORE, MARYLAND ~

~ SCOTT R MOLONGOSKI ~

~ STRUCTURAL ~

~ CPEP SITE ~

<http://www.engr.psu.edu/ae/thesis/portfolios/2013/srm5167/index.html>



ARCHITECTURE:

- ◆ Signature building of MICA campus
- ◆ 9 stories and a mechanical penthouse
- ◆ 64 dormitory rooms, studio space, galleries, conference room, café, “black box” theater
- ◆ Full 360 degree façade with white, gray, and mint green glazing
- ◆ Central courtyard begins on the third floor

STRUCTURE:

- ◆ Primarily concrete superstructure
- ◆ Two-way flat plate slab floor systems
- ◆ Long span beams 48x48 support the enclosed courtyard & “black-box” theater ceiling
- ◆ Slender columns nearly 40’ in height
- ◆ Ordinary concrete shear walls provide lateral support

MECHANICAL:

- ◆ Variable Air Volume system
- ◆ 4 air handling units with 9600-14500 cfm supply
- ◆ 2 natural gas cast iron boilers with min. output of 1632 mbh
- ◆ 2 200 ton screw type chillers

GENERAL INFORMATION:

BUILDING SIZE: 108,000 sqft

BUILDING HEIGHT: 122 ft tall

CONSTRUCTED: Aug.2006– Aug.2008

DELIVERY: Design-Bid-Build

COST: \$30 Million

PROJECT TEAM:

OWNER: Maryland Institute College of Art

ARCHITECT/ENGINEER: RTKL

GC/CM: Whiting Turner

CIVIL: KCW Engineering

