

# METROPOLIS

at Dadeland



**MATHEW NIRENBERG**  
STRUCTURAL OPTION

## GENERAL INFORMATION

Location: Miami, FL

Size: 29 Stories / 26 Inhabited  
433,221 S.F.

Cost: \$44,750,000 (Phase I)  
\$85,550,000 (Full Project)

Use: Condominiums, Parking, Commercial

## BUILDING TEAM

Owner: Terra Group (Developer)

CM: Turner Construction

Architect: Nichols Brosch Sandoval & Associates

Structural Engineer: Gopman Consulting Engineers

MEP Engineers: Florida Engineering Services

Civil Engineer: Fortin, Leavy, Skiles, Inc.

Geotechnical Engineer: Langan Engineering

Interior Design: Tessi Garcia & Associates

## ELECTRICAL / LIGHTING

- Main Service: 75 kVA transformer
- 3000 A Main Bus Duct
- 20 Circuit panel in each residence
- Recessed Lighting and Sconces in Public Spaces
- Minimal lighting pre-installed in private spaces

## MECHANICAL

- Main Rooftop Units to serve all public spaces
  - Circulates Recycled and Outside Air
- Each living unit has individual Air Conditioner / Heat Pump

## STRUCTURE

- 2-Way Post-Tensioned Concrete Floors
  - 9-1/2" in living spaces
  - 8" in parking deck
  - 11" & 15" on 8<sup>th</sup> level
- Two levels non-post-tensioned
  - Ground 5" thick
  - 22<sup>nd</sup> level 22" thick
- Reinforced Concrete Columns and Shear Walls
  - Range from 4,000 – 10,000 psi
- Auger-Cast Piles (16" and 24") and Concrete Mat (5' thick) Foundation

## ARCHITECTURE

- No Building Taller South of Metropolis
- Stucco on CMU façade (non-structural)
- Setbacks indicate space usage

