33 Harry Agganis Way: Res Tower II

BOSTON UNIVERSITY

Owner:	Boston University
Site:	John Hancock Student Village
Occupant:	BU Student Housing
Type:	Residential
Size:	26 stories
	396,000 total sf

Project Team:

CM & GC:	Walsh Brothers
Architect:	Cannon Design
MEP:	Cannon Design
Structure:	Weidlinger Associates
Construction:	January '07 - April '09
Cost:	$291 Million

Architecture:

* Two-tower configuration sharing a common core and lower entry levels.
* South Tower is 19 stories and the north tower is 26 stories.
* Panelized terracotta and metal panel rainscreen exterior skin system.

Structure:

* Reinforced Concrete MAT foundations are 3'-9" for the shorter tower and 4'-3" for the taller tower
* Steel structure utilizes a braced framing system to transfer lateral loads to foundation
* Lightweight concrete slab on metal decking for composite floor construction

Mechanical:

* A desiccant wheel energy recovery ventilation system for all suites and apartments.
* Evaporative coolers on the ventilation units to supplement the air-cooled DX cooling system.
* ECM motors and a variable flow fan coil system for each HVAC unit serving each suite and apartment.

Electrical:

* Medium Voltage (13.8 kV) Service will be to tied to the existing Student Housing Phase 1 BU switchgear loop extension.
* Total Demand with Growth Factor (1.5) is 5,226 kVA
* Secondary distribution voltage will be 480 V (3 phase) to provide service to equipment loads and 208 V (3 phase) for dwelling demand loads.

Lighting:

* High efficiency lighting systems have been provided throughout the building. The average lighting power density is approximately 0.78W/sf, compared with the code allowed 1.5 w/sf. This has been achieved using high efficiency ballasts and luminaires