Location: India	Punit Das Structural Option 2012-2013 GENERAL INFORMATION	
	Function	Offices + Retail + Parking
	Total Area	430,000 sq. ft
	Height	230 ft
	Floors	Ground + 17 floors
	Construction	January 2012 - October 2013
	Project Delivery	Design - Bid - Build
PROJECT TEAM		
	Owner + Project Manager	Lodha Group
	+ General Contractor	
	Lead Architect	Pei Cobb Freed and Partners Architects
	 Local Architect 	Edifice Consultants Pvt. Ltd.
	Structural Engineer	Leslie E. Robertson Associates RLLP
	MEP + Fire Protection	Spectral Consultants Pvt. Ltd.
	Consultant	
	Lighting Designer	George Sexton Associates
	Vertical Transportation	Barker Mohandas
	 ARCHITECTURE 2 basements + 4 floors of parking space Ground floor retail Office spaces from 5th to 16th floor Roof: Gymnasium, Cafeteria and Garden 3 typical floor plans for different office requirements South façade windows for daylighting and panoramic views Utility areas located at north façade 	
	 Parking spaces pushed to the rear of the building to show a unified front façade 	
	Maximum use of building footprint by integrating functional spaces inside the building mass	
STBUCTUBE		

STRUCTURE

- Quality interior and exterior spaces due to Architecture and Structure integration
- Reinforced concrete frame with concrete core wall and flat slab system
- Column cross sections chosen to fit the functionality of spaces
- Rectangular columns ranging from 18 x 18 inches to 18 x 80 inches in parking spaces to provide maximum parking space
- Circular columns with about 20 inch diameter in office spaces to provide open floor plan and improve aesthetic quality
- Lateral system consists of elevator core and stairwell core with 12 20 inches thick reinforced concrete shear walls
- 8 in flat slabs with 16 in drop panels as required
- 50 to 80 inches thick Mat Foundation with pressure slab to resist hydrostatic pressure

FACADE

- Different façade systems used to highlight building mass
- Locally available decorative stone envelopes utility areas
- Architectural green wall wraps around parking spaces facing residential apartments
- Green wall acts as a sound and air barrier between parking areas and surrounding areas
- Metal and Glass curtain wall envelopes the south and west façade
- Windows on south façade pushed 2ft inwards to provide solar shading
- Windows on west façade extrude outwards to maximize daylighting

MEP and LIGHTING SYSTEMS

- Dedicated mechanical and electrical room at each floor eliminating roof top centralized mechanical spaces
- Tenant specific HVAC system selected after floors are rented out
- Main MEP rooms located on the ground floor to provide ease of access
- Energy efficient lighting provided with collaboration of architect and lighting consultant
- LED fixtures and Compact fluorescents used in office spaces and lobby areas
- Metal halides used in public spaces



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