

Building profile	Name	Shinjuku Park Tower		
	Address	7-1 Nishi Shinjuku 3-Chome, Shinjuku-ku, Tokyo		
	Builder/owner	Tokyo Gas Urban Development Co., Ltd.		
	Architects	Kenzo Tange Associates		
	Contractor	Kajima Corp./Shimizu Corp./Taisei Corp. Joint Venture		
	Main uses	Offices, hotel, showroom, hall, store, parking		
	Site area	26,535.71 m ²		
	Building area	9,511.91 m ²		
	Total floor area	264,140.91 m ²		
	Building height	235 m (approx.)		
	Structure	Above ground: Steel frame; Below ground: Steel-framed reinforced concrete, reinforced concrete; Foundation: Direct foundation		
	Number of floors	5 stories underground, 52 stories above ground		
	Anti-seismic performance	Combined mastcolumn, belt truss, frame tube structure (excellent anti-seismic and anti-wind performance) Hybrid mass damper "Trigon": 3 units. (Suppresses building swaying during earthquakes and strong winds)		
	Parking	836 spaces		
	Construction period	Approximately 3 years 7 months Work began: September 28, 1990 Work completed: April 25, 1994		
	Office facilities	Ceiling	Ceiling height: 2.7 meters (Common hallways: 2.45 meters)	
Floor finishing		OA flooring (90 millimeters high), tile carpet		
Wall finishing		Inorganic wallpaper (plasterboard base)		
Floor load		OA floor : 300 kg/m ² (standard specifications)		
		Floor slab: 500 kg/m ² (approximately 1,000 m ² in selected parts of apecial purpose areas) : 300 kg/m ² (other areas)		
		High partition: Installation possible in any direction at a pitch of 3.2 meters from pillar centers		
Blinds		Manually rolling screen		
Electric outlet capacity		Standard:50 VA/m ²		
Lighting		Embedded lighting (40 W x 4/3.2 meters x 3.2 meters)		
		Desktop illuminance:600 Lx (approximate average initial brightness)		
Air-conditioning		Humidity conditions	Summer: 26°C, 50% (approx.); winter: 22°C, 50% (approx.) (Assumptions: Personnel 0.15 people/m ² , Equipment heat: 30 w/m ² , Ventilation 5m ² /m ² h)	
		Reserve cooling water	600 RT (overall)	
		Zoning	Maximum 12 zones (floors 9-26)/13 zones (floors 27-37) Temperature control: VAV (6.4 m x 6.4 m or 6.4 m x 12.8 m) Outlet: 3.2 meters x 3.2 meters (1 location)	
Telecoms		Optical fiber cables installed		
		Portable telephone and PHS antennas installed in exclusive rooms		
		Telephone	600P on each floor	
	Common TV antenna	VHF, UHF, AM, FM, BS		
Building facilities	Electricity	Transformer facilities	High voltage 6.6 KV (3 phase 3 lines, trunk line and spare lines) reception	
		Generators	[Cogeneration] Gas turbine generator (4,500 kilowatts) [Emergency] Gas turbines (2,000 KVA x 2, special A-grade heavy oil)	
	Telecoms	Telephone, TV cabling		
	Plumbing facilities	Water supply facilities	Gravity and pressurized supply system, 2 systems for drinking water, recycled water (for toilet flushing)	
		Hot water facilities	Central water heating, individual water heating	
		Drainage facilities	Sewage, sullage, kitchen waste water separated; kitchen waste water sanitation facilities	
		Fire-fighting facilities	Indoor fire hydrant, sprinklers, foam extinguishers, carbon dioxide extinguishers, continuous water supplying pipes, fire extinguishers	
	Air-conditioning ventilation facilities	Heat source	Steam and cooling water provided by the Tokyo Gas Shinjuku District Heating and Cooling Center	
		Type of air-conditioning	Parallel use of individually distributed floor air-conditioning unit system and single duct fixed and variable air-flow system	
	Elevators	Smoke eliminatin facilities	Rooms: Ceiling chamber; halls: Mechanical ventilation; Other rooms: Mechanical air supply and ventilation	
		Elevator	Offices: 32; show rooms: 4; hotel:16; stores etc. 8; emergency: 3	
		Escalator	B1F -7 story: 15	
	Security/ disaster prevention facilities	Automatic fire detectors, emergency broadcast equipment, emergency electrical equipment, auxiliary radio communications		
		Disaster Prevention Center Key Management System		
	Miscellaneous	Building operations and management system		
		Precipitation information system		