

City of Boca Raton

Code Compliance Division/Building



CITY HALL • 201 WEST PALMETTO PARK ROAD • BOCA RATON, FLORIDA 33432-3795 • PHONE: (561) 393-7930 FAX (561) 367-7049

INTERNET: www.ci.boca-raton.fl.us

Expedited Plan Review Submittal For *High Rise Buildings*

Building/Structural

Permit No. Project Name: Address:	
Owner: Address: Phone:	
Contractor: Address: Phone: Contact:	
Architect/Engineer of Record: Address: Phone: Contact:	

Definition of Symbols used in this Form:

- OK* – Information Provided on Plans
- S* – Supplemental Information Attached for Review
- N/A* – Information Not Applicable for this Project

Please complete and submit this form, along with the permit set of drawings to the Boca Raton Building Department for “expedited” plan review. This form is an interactive “Word” document that allows entries and comments to be made directly to the form. The boxes automatically expand if more room is needed for design professional commentary.

Design Professionals are requested to respond to each item under “Required Information” by indicating whether the information for each item is “Provided on Plans” (OK), “Attached for Review” (S) or “Not Applicable” (N/A); and, provide “Location Information (with Commentary as needed)”.

The *Expedited Plan Review Submittal Form* establishes a means whereby Plan Examiners can readily evaluate, identify and determine that plan features are in compliance with applicable 2010 Florida Building, all state and local building codes and ordinances. This form is in accordance with Minimum Plan Review Criteria for Buildings, Section 19-113, of the Boca Raton Code of Ordinances and serves to mitigate potential plan review comments, reduce the need for 2nd reviews and expedite permit issuance.

Required Information [Per 2010 Florida Building Code]	OK, N/A, S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
1. Site and Other Requirements:		
Site Plan (Setbacks from Property Lines, distances from adjacent buildings, Fire Truck Access & Turnaround Radius)		
Specific Tanks, Water and Sewer Lines		
Fire Hydrants		
Flood Zone (Elevation Certificate)		
Outdoor Parking Facilities		
Open Air Calculations for Open Parking Garage		
Mechanical Ventilation Calcs for Enclosed Parking Garage		
Exterior Elevations		
Type of Construction (height of building, no. of stories, area and/or floor increase reduction in fire rating for sprinklered bldgs)		
Occupancy Groups		
Light and Ventilation Requirements for the Units		
Sound Transmission (Requirements for Tenant Wall/ Floor Separations and Corridor Designed@ 50db)		
Energy Conservation and Efficiency (energy calcs)		
Building Envelope Design (Protection against water intrusion)		

into the building, wall coverings, caulking, flashing designs, maintaining positive pressure in the units)		
Exterior Wall Insulation		
Termite Protection		
Required Information [Per 2010 Florida Building Code]	OK, N/A, S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
2. Accessibility Requirements:		
H/C Parking Calculations		
Van Accessible Spaces Identified		
H/C parking & route to entrances		
Accessible Route (connecting all elements, parking, bus stops, curb cuts and common areas)		
Passenger Loading Zones		
Common Areas/Amenity Space Bathrooms		
Trash Chute Access/ Turnaround Radius		
Signs (Tactile & Braille for egress stairs, bathrooms, H/C parking and common areas)		
Drinking Fountains		
Audio/Visual Alarms Within the Tenant Units		
Mailboxes		
Lockers		
Elevators		
Lifts		

Fair Housing Act Requirements		
Site Arrival Point		
3. Life Safety Systems:		
Fire Alarm & Detection System		
Required Information [Per 2010 Florida Building Code]	OK, N/A, S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Emergency Voice/Alarm Communication System		
Smoke Control/ Removal System & Riser Schematic (smoke detectors in lobbies)		
Manual Fire Alarm		
Two-Way Telephone (call-out designated locations) or Fire Department Radio System		
Stair Pressurization (provide calculations; minimum of 0.05 inch of water (12.3 Pa) and a maximum of 0.35 inch of water (87 Pa) in the shaft relative to the building measured with all <i>stairway</i> doors closed under maximum anticipated conditions of stack effect and wind effect)		
Elevator Pressurization (provide calculations to keep smoke out of the shaft)		
Emergency On-Site Generator & Standby Power Loads (electric fire pump; command center equipment & lighting; not less than one elevator serving all floors with standby power transferrable to any elevator; mechanical equipment for smoke proof enclosures & smoke control)		
Interior Finish Class Schedule (flame spread/smoke development)		
Standpipe (specs, riser diagram, locations, dimensions)		
Sprinklers NFPA 13 (submit sprinkler plans on floor plans, design calcs, working drawings, secondary water supply, material specs,		

equipment and listed devices)		
Post Indicator Valve (PIV) <i>(Location, detail)</i>		
Fire Command Center (1-hr rated, minimum 200 SF; voice alarm system panels & control; two way telephone communications; fire detection & alarm annunciator panels; elevator floor location & annunciator location; sprinkler valve & waterflow annunciators; emergency generator status indicators; controls for stairway door unlocking; fire pump status indicators; tele. Public address system)		
Fire Resistant Separations & Assemblies (U.L. Listings)		
Required Information [Per 2010 Florida Building Code]	OK, N/A, S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Fire Penetration UL Listings		
Fire Blocking and Draftstopping (type & locations)		
Fire-rated Doors /Door Schedule		
Sprayed Fire Resistance Material (SPRM)		
Atriums		
4. Occupancy Load/Egress Requirements:		
Occupancy loads (gross & net as applicable)		
Number/ Arrangement & Remoteness of Exits (1/4 the diagonal or 30 ft whichever is less for sprinklered hi-rise building)		
Exit Wall Assembly; <u>Soft Body</u> Impact Classification 2 (ASTM C 1629/C 1629M) (FBC 403.2.3.1)		
Exit Wall Assembly; <u>Hard Body</u> Impact Classification 2 or 3(ASTM C 1629/C 1629M) (FBC 403.2.3.2)		
Egress Capacities (Required vs. Actual Widths shown on plans for corridors, stairs and doors)		
Max vs. Actual Travel		

Distances		
Dead End Corridors		
Horizontal Exits		
Exit discharge to public way		
Emergency Lighting (Fixture Locations & Illumination)		
Exit Signs (Placement & Visibility for Egress)		
Stairs Continuing Below the Level of Exit Discharge		
Exit Passageways		
Required Information [Per 2010 Florida Building Code]	OK, N/A, S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Luminescent Egress Path Markings on Stairs		
Amenity Space Occupant Loads and Egress		
Mezzanines		
Escalators (protection of floor opening)		
Stair Systems(type, purpose, construction/geometry, risers, treads and protection)		
Stair Identification (inside & outside)		
Stair Widths & Landings		
Stair Access to Roof		
Locked Doors from the Stairway Side (telephone located every 5 th floor connected to the Fire Command Center)		
Unlocking Stairway Doors (from the Command Center)		

Egress Door Hardware		
Guardrails/Handrails		
Stair Discharge Through the Lobby or a Vestibule		
5. Structural Requirements:		
Structural Calculations & Design Loads		
Wind Loads (ASCE 7-10 Wind Provisions, Tunnel Tests, Enclosure Classification, Internal Pressure Coefficient)		
Stability/Structural Integrity (anchorage of walls, overturning, sliding, uplift forces and continuous load paths identified)		
Required Information [Per 2010 Florida Building Code]	OK, N/A, S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Pile Design & Layout Plan; (show pile types; bearing, batter, tension, shear pile s & Special Inspector).		
Ultimate & Nominal Design Wind Speeds (V_{ult} & V_{asd})		
Components and Cladding Wind Pressures/ Zones		
All Exterior Rough Opening Dimensions with Wind Pressures		
Product Evaluation; windows, exterior doors, roof, skylights		
Wind Exposure Category		
Risk Category		
Pile caps		

Foundation Plan (Column Pad schedule, Wall footings details)		
Flood Design Data		
Floor Live loads (identify all areas, use and load)		
Roof Live Loads (max ponding depths, scupper calculations, spacing, sizing and special equipment load)		
Parking Garage Loads (guardrails, vehicle barrier system and crash walls)		
Concrete Design Standards		
Masonry Design Standards		
Steel Design Standards		
Wood Design Standards (Combustibles in Type 1 Const.)		
Threshold Inspector		
Required Information [Per 2010 Florida Building Code]	OK, N/A, S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Shoring & Re-Shoring Plan		
Threshold Inspection Plan		
6. Concrete Frame Superstructure		
Reinforced Concrete Floor Construction		
Prestressed Concrete Layout/Terminations		
Transfer Slab		
Column Sizes and Splice Design		
Beam/Girder/Truss		

Schedules		
Shear Stud/Studrail Schedule		
Interior Bearing Wall Anchorage		
Shafts (fire ratings)		
Elevator Lobbies		
Exterior Wall Requirements (bearing or non-bearing)		
Impact Protection of Exterior Wall openings		
Sloped Glazing		
Curtain Wall Details		
Canopies on Exterior walls		
7. Roof Construction		
Roof Coverings		
Flashing Details		
Required Information [Per 2010 Florida Building Code]	OK, N/A, S	Location Information (Sheet No.) and/or Commentary (as needed) [Location may reference more than one sheet]
Drain Details		
Scupper Calcs & Locations		
Cricket Details		
Parapets		
Insulation (R-Value of roof)		
Roof Equipment Penetration Detail		

Penthouse and/or Other Roof Structures		
Cooling Tower Anchorage		
Roof/Floor/Truss Framing Plan		
8. Swimming Pool		
Pool Plans		
Pool Equipment Room (1-hr)		
Barrier Requirements		
Occupant Load Calculations		
Bathrooms (Locations, Distance)		
Spas		
Wading Pools		

The plans were reviewed and to the best of my belief; and as indicated on this form, comply with the 2010 Florida Building Codes.

Signature & Seal of Architect of Record

Seal