

Minimum Standards for Residential Projects (see note below)

COMPONENTS	BASE	POSSIBLE UPGRADE	NOTES
Structural Framing Systems	Any structural framing meeting the NC Building Codes	Steel with metal studs	Careful consideration should be observed about the use of Masonry shafts due to incompatibility
Exterior Cladding	Brick veneer with cast stone trim	NA	
Exterior Cladding	Reduce Curtainwall to storefront/steel frame.		Main entrance only
Roofing System Slope	30 Year asphalt shingle	Metal/Slate	
Roofing System Low Slope	20 Year Single Ply	30 Year Buildt-Up Roof	
Interior Wall Systems	Regular 5/8" drywall	Impact Resistance Drywall	
Doors and Frames	Closet doors only six panel residential. All others solid core	Solid core wood doors at entrances and bedrooms Closet & bathroom doors solid core / six panel residential	
Windows	Vinyl	Aluminum	
Cabinetry	Residential Grade	Finish	
Fireproofing	To be per NCBC, no exceptions		
Fire Sprinkler System	NFPA 13R (up to 4 story building)	NFPA 13 Light Hazard	Must use NFPA 13 in all common use areas
Waste Piping	PVC pipe	Cast Iron	Must use cast iron on all waste verticals & under building elbows/horizontals
Site Waste Piping	PVC pipe	NA	Must use cast iron or steel sleeves under vehicle traffic area
Water Distribution	CPVC or PEX	Copper	PVC not allowed
Toilet Type	Tank Type	Power assisted flush	

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Hot Water Distribution	Individual Electric water heaters	NA	Must meet the 30% energy mandate for whole building
Mechanical Systems	PTAC	Four Pipe Fan Coil	
Telecom & Low-voltage wiring	Plenum rated wiring		Where plenum ceiling exists only, supported in accordance w/ NEC
Electrical Wiring	MC Cable, 1/2", up to #12 AWG Solid copper w/ ground	EMT	Must use EMT in all common use areas
Fire Alarm	Plenum rated wiring	Red MC Cable	Can use as specified in University Guidelines
Service Feeders	Aluminum Feeders > #1 AWG	Copper	
Main Distribution Panel	Load-center Panels	Copper Bus, Bolt-on Breakers	
Transformers	Aluminum Feeders	Copper	

Note: Apply only to privately funded projects such as Foundation projects and single family dwelling such as Chancellors' residences and Park Rangers residences.