

CHECK LIST FOR SUBMITTAL FOR COMMERCIAL BUILDINGS FOR PHASED CONSTRUCTION

Phased construction requires additional fee, which is, called *fast track*. This extra fee is for process and each permit level of *CONSTRUCTION* and has a corresponding submittal design requirements for the entire project to maintain the phase of construction. The following data shall be shown on the plans for submittal for review. If any of the information is missing from the plans they will not be able to enter in to the plan review process with out the gate keeper approval.

Any phase construction that's issued from Mecklenburg County

Building Standards to the contractor will have to be copied (owners expense) and submitted for the next phase of construction. These sets acted as Reference drawing to keep up with the phase of construction during the plan review process.

| GENERAL REQUIREMENTS | Footing Foundation only | Footing/ Foundation & Structural Steel | Shell only | Shell With core |
|---|-------------------------------|---|---------------|-----------------------|
| ADMIN INFO: | ✓ | ✓ | ✓ | ✓ |
| 1. Permit Application | ✓ | ✓ | ✓ | ✓ |
| 2. Proper number of permits | ✓ | ✓ | ✓ | ✓ |
| 3. Address form | ✓ | ✓ | ✓ | ✓ |
| 4. Proper number of sets of drawings | ✓ | ✓ | ✓ | ✓ |
| 5. Plan submittal sheet | ✓ | ✓ | ✓ | ✓ |
| 6. Cover sheet stating the proposed work (I.E. SHELL, FOOTING FOUNDATION ONLY,) | ✓ | ✓ | ✓ | ✓ |
| 7. Completed Appendix B | ✓ | ✓ | ✓ | ✓ |
| 8. Seals on drawings | ✓ | ✓ | ✓ | ✓ |
| 9. Plans marked for construction | ✓ | ✓ | ✓ | ✓ |
| 10. Zoning code summary sheet completed | ✓ | ✓ | ✓ | ✓ |
| 11. Total cost of construction (can be estimated) | ✓ | ✓ | ✓ | ✓ |

| SITE AND ZONING DOCUMENTS (Refer to General Requirements) | | | | |
|--|-------------------------|------------------------------------|------------|-----------------|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set. | Footing Foundation only | Footing /Foundation & Struct Steel | Shell only | Shell with core |
| ___ a. Site plans must be prepared to scale, with legend, north arrow, and vicinity map. All drawings, must be sealed, signed, and dated by the project designer. | ✓ | | | |
| ___ b. Show the correct street address, parcel number, and zoning on the site plans. | ✓ | | | |
| ___ c. Show and identify all property lines and rights-of-way, with distance from property lines and adjacent buildings. | ✓ | | | |
| ___ d. Show handicapped parking spaces and signage per NCSBC Vol. 1-C and on site plan. | ✓ | | | |
| ___ e. Show handicapped curb cuts and access ways to the building. | ✓ | | | |
| ___ f. Show all existing and proposed driveway entrances. | ✓ | | | |
| ___ g. Identify adjacent land uses and zoning. | ✓ | | | |
| ___ h. Show all easements, flood ways, and required buffers. | ✓ | | | |
| ___ i. Show existing and proposed utilities (with backflow preventers) to serve the site. | ✓ | | | |
| ___ j. Show existing and proposed grades. | ✓ | | | |
| ___ k. Identify all borrow and spoil areas. | ✓ | | | |
| ___ l. Show details, sections, and elevations needed for construction. | ✓ | | | |
| ___ m. Any approved conditional district plans must be provided before the project can be reviewed. | ✓ | | | |
| ___ n. Show all buffer and screening landscaping; include plant locations, sizes and species. | ✓ | | | |
| ___ o. Show all required parking and loading spaces and calculations. | ✓ | | | |
| ___ P. If the plan was approved by Zoning under footing and foundation review you will need to resubmit a <i>copy</i> of the approved plan with 2 new clean copies with each set submitted for each phase. | | ✓ | ✓ | ✓ |

| ARCHITECTURAL (Refer to General Requirements) | | | | |
|---|-------------------------|------------------------------------|------------|-----------------|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set. | Footing Foundation only | Footing /Foundation & Struct Steel | Shell only | Shell with core |
| ___ a. Show architectural floor plans of each floor showing the location and ratings of all fire-rated walls proposed for the project. Identify each type of rated wall and reproduce all applicable UL/FM details for the walls. | | | ✓ | ✓ |
| ___ b Show the square footage of each floor on the corresponding floor plans. | ✓ | ✓ | ✓ | ✓ |
| ___ c. Identify the names and uses of each room. | | | | ✓ |
| ___ d. Indicate door schedule(s) that defines the applicable rated doors, frames, and hardware. | | ✓ | ✓ | ✓ |
| ___ e. Indicate all glass schedules. | | ✓ | ✓ | ✓ |
| ___ g. Provide basement percentage below grade calculations. | ✓ | ✓ | ✓ | ✓ |
| ___ h. Indicate roof slopes, drainage system and sized through wall scuppers, if applicable to the project. (See examples in Plumbing ITEM "I") | | ✓ | ✓ | ✓ |
| ___ i. Show wall sections with proposed material sizes, construction and fire-rated assemblies. | ✓ | ✓ | ✓ | ✓ |
| ___ j. Show connections, reinforcing steel, welds, live load criteria. | ✓ | ✓ | ✓ | ✓ |
| ___ k. Show proposed plumbing fixtures and privacy screens on the plans. | | | | ✓ |
| ___ l. If masonry construction is proposed, include the following information: | | ✓ | ✓ | ✓ |
| ___ Type of brick ties and spacing of weep holes | | | ✓ | ✓ |
| ___ Control joints | | ✓ | ✓ | ✓ |
| ___ Placement of wall flashing, reinforcement per ACI 530. | | ✓ | ✓ | ✓ |
| ___ m. If appropriate for the proposed occupancy, show the extent of the hazardous locations and submit complete data on types and amounts of materials stored, processed, manufactured or used in the manufacturing of products in this facility and if such materials are corrosive, poisonous, under pressure, in a liquid or gaseous state, radioactive or other relevant properties. (Ref. NCSBC Sec. 408 and NFPA 30.) Provide Material Safety Data Sheets. | ✓ | ✓ | ✓ | ✓ |

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| ___ n. Show the floor slab vapor barrier. | ✓ | ✓ | ✓ | ✓ |
| ___ o. Show Foundation water proofing if applicable. | ✓ | ✓ | ✓ | ✓ |
| ___ p. For pre-engineered metal buildings, submit the manufacturer's letter of engineering certification, a sealed foundation plan, complete architectural plans and the Metal Building Plans. The Metal Building Plans shall state model number, size, column reactions and design loads for the building. State that the structural integrity of the building will be maintained and that the building meets the North Carolina State Building Code for live and dead loads in Charlotte. The foundation plans when required by General Statutes must be designed by a registered architect or engineer and show the size and reinforcement of footings or turndown slab. Specify reinforcing, bolt pattern and size for the building. Verify that the approved plans are on the job site until project completion. | ✓ | ✓ | ✓ | ✓ |
| ___ q. All penetrations of fire rated construction to be per manufacturers details. The details shall meet or exceed rating of construction being penetrated and shall be provided to the inspector in the field. The penetration details must be exactly as tested by an approved testing laboratory or agency and they must include their system numbers. | | | | ✓ |
| ___ r. All fabric awnings or canopies must be accompanied by a letter of certification of fire resistance from the manufacturer. Fabric awnings and canopies must meet ground snow loads of Figure 1204.1 and be constructed to support all live and dead loads according to Chapter 16 of Volume 1 North Carolina State Building Code. | | | | ✓ |
| ___ s. Show Penthouse drawings. | | ✓ | ✓ | ✓ |
| ___ t. Provide on the drawings the calculations for the means of egress widths for the entire floor occupancy load and the existing capacity of all exits including all stairs, doors, corridors and ramped exits. (Volume 1 Chapter 10 of the NC State Building Code). | ✓ | ✓ | ✓ | ✓ |
| ___ u. Show attic ventilation louvers and vent sizes. | ✓ | ✓ | ✓ | ✓ |
| ___ v. If a High Rise a Completed chart per 412 NCSBC | ✓ | ✓ | ✓ | ✓ |
| ___ w. If using Volume IX you must have table 604 form on plans and completed | ✓ | ✓ | ✓ | ✓ |

| STRUCTURAL PLANS (Refer to General Requirements) | | | | |
|---|--------------------------------|---|-------------------|------------------------|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set. | Footing Foundation only | Footing /Foundation & Struct Steel | Shell only | Shell with core |
| ___ a. Show complete footing and foundation drawings. | ✓ | ✓ | ✓ | ✓ |
| ___ b. Show foundation plans showing the proposed slab elevations, types of foundation (i.e. mat foundation, cussions, spread footings, etc.). | ✓ | ✓ | ✓ | ✓ |
| ___ c. Provide preliminary soil analysis data done by a Registered Engineering Testing Company. | ✓ | ✓ | ✓ | ✓ |
| ___ d. Indicate dimensions of foundations. | ✓ | ✓ | ✓ | ✓ |
| ___ e. Show type, size and location of piling and pile caps for pile foundation. | ✓ | ✓ | ✓ | ✓ |
| ___ f. Indicate Grade Beam sizes. | ✓ | ✓ | ✓ | ✓ |
| ___ g. Indicate a footing schedule defining footing sizes and the required reinforcing. | ✓ | ✓ | ✓ | ✓ |
| ___ h. Show the established footing depth below grade. | ✓ | ✓ | ✓ | ✓ |
| ___ i. Indicate the thickness of the floor slab, size of reinforcing, slab elevations, and type and details of Foundations. | ✓ | ✓ | ✓ | ✓ |
| ___ j. Indicate location, size and amount of reinforcing steel. | ✓ | ✓ | ✓ | ✓ |
| ___ k. Show foundation corner reinforcing bars and minimum overlapping (as applicable to project structure). | ✓ | ✓ | ✓ | ✓ |
| ___ l. Provide strength of concrete according to design, soil reports. | ✓ | ✓ | ✓ | ✓ |
| ___ m. Show beams, joists, girders, rafters, and/or truss layouts and details of connections, structural steel stud gage, gage size, connections. | | ✓ | ✓ | ✓ |
| ___ n. Indicate the sizes and species of all members and their respective design strength. | | ✓ | ✓ | ✓ |
| ___ o. Show all columns, girders, joists, purlins, beams and base plates and for wood construction show all headers. | | ✓ | ✓ | ✓ |
| ___ p. Provide a complete lintel schedule. | | ✓ | ✓ | ✓ |
| ___ q. Indicate the type of anchoring for steel bearing directly on masonry. | ✓ | ✓ | ✓ | ✓ |

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| <p>___ r. Indicate the total of dead and live loads for floor areas, roofs, balconies, porches, breezeways, corridors, stairs, mezzanines and platforms. Show concentrated loads, i.e. file rooms, machinery and forklift areas, if greater than those shown on the Code Summary Sheet. Identify shear walls, bracing, strapping, fastening, reinforcement and any special anchoring required.</p> | ✓ | ✓ | ✓ | ✓ |
| <p>___ s. Indicate on roof framing plan where concentrated loads (mechanical equipment, cranes, etc.) may be placed.</p> | ✓ | ✓ | ✓ | ✓ |
| <p>___ t. Indicate on foundation and framing plans the location and lateral load resisting system. (Show walls, braced frames, moment connections, etc.).</p> | ✓ | ✓ | ✓ | ✓ |

| FIRE PROTECTION PLANS (Refer to General Requirements) | Footing Foundation only | Footing /Foundation & Struct Steel | Shell only | Shell with core |
|--|-------------------------|------------------------------------|--------------------------|-----------------------|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set. | | | | |
| ___ a. Complete a sprinkler design data sheet and include it on the first plan of the sprinkler drawings. | | | ✓B ref. To fire | ✓B ref. To fire |
| ___ b. Show floor plans for each floor with sprinkler piping layout, pipe sizes, pipe hanger details, piping materials, doors, walls and room identities. | | | | |
| ___ c. Show ceiling plans with sprinkler head(s) layout, walls, soffits, openings, doors, dimensions and room identities. | | | | |
| ___ d. Verify system design by providing hydraulic calculations along with the following: | | | | |
| ___ Recent water flow test. | | | | |
| ___ 10 percent safety margin | | | | |
| ___ Type of backflow preventer or reduced pressure zone showing equivalent foot loss. | | | | |
| ___ Fire pump summary. | | | | |
| ___ e. Note the type of Sprinkler System used [13, 13R, ESFR, 231, or OTHER _____]. | ✓B | ✓B | ✓B | ✓B |
| ___ f. For Residential Occupancy i.e. Apartments, Condos - Show sprinkler head location at breezeways if applicable. | | | | |
| ___ g. Indicate the UL/FM # hourly rating of all rated members and assemblies i.e. columns, beams, floor and ceiling, and ceiling and roof fire-rated design assemblies. Show all fire-rated walls (both existing and new) with their ratings if not shown elsewhere. Drawings submitted without fire-rated walls shown will be rejected. | | | | |
| ___ h. All penetrations of fire rated construction to be per manufacturers details.. The details shall meet or exceed rating of construction being penetrated and shall be provided to the inspector in the field. The penetration details must be exactly as tested by an approved testing laboratory or agency and they must include their system numbers. | | | | |

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| <p>___ i. Provide a Fire alarm riser showing connection to a UL approved central station. Show tamper switches on both OS and Y valves of backflow prevention device unless shown elsewhere.</p> | | | | |
| <p>___ j. Commodity class and height of any storage.</p> | | | | |
| <p>___ k. MSDS Sheets on any Hazardous Materials.</p> | | | | |
| <p>___ K. Fire alarm devices location .</p> | | | | <p>✓B</p> |
| <p>___ l. Where special Temperature rated or high temperature sprinklers are required show sprinkler type(s) per area, office size, cut sheets with K-factor, water requirements, spray pattern, coverage and other pertinent data.</p> | | | | |

| SITE UTILITIES (FIRE PROTECTION) (Refer to General Requirements) | | | | |
|--|-------------------------|------------------------------------|------------|-----------------|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set. | Footing Foundation only | Footing /Foundation & Struct Steel | Shell only | Shell with core |
| ___ a. A site plan must be provided with fire department connection and all hydrants shown. | | | | |
| ___ b. Show the size of city main. | | | | |
| ___ c. Identify test hydrants and give flow and pressure data for each. | | | | |
| ___ d. Show the circulating or dead-end main and the distance to circulating main if it is the dead-end. | | | | |
| ___ e. Indicate the Valve type and size. Valve types include: | | | | |
| ___ Control valves | | | | |
| ___ Fire Department connection check valve | | | | |
| ___ f. Show size, type, and depth of underground piping (from city main to the inside of the building). Provide: | | | | |
| ___ Underground piping connection detail | | | | |
| ___ Detail of stub-up for hydrant | | | | |
| ___ Blocking | | | | |
| ___ Clearance (12" or 18" minimum from wall) | | | | |
| ___ g. Show backflow prevention devices on fire lines and if installed above ground how heated to 40 deg F. | | | | |
| ___ h. Indicate the distance and location of all fire hydrants. Allowed distances are: | | | | |
| ___ 200 feet maximum from Fire Department connection | | | | |
| ___ 750 feet to the most remote point of the building as the truck travels | | | | |
| ___ i. Indicate any other water supply (i.e. wells, tanks, etc.) Where applicable. | | | | |

| SYSTEM CALCULATIONS (FIRE PROTECTION) (Refer to General Requirements) | | | | |
|---|--|---|-----------------------|--------------------------------|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set. | Footing Foundation only | Footing /Foundation & Struct Steel | Shell only | Shell with core |
| Hydraulically calculated and pipe schedule fire systems should be designed with a 10 percent safety margin for all new buildings and additions to existing buildings. Calculations for hydraulic systems should include: | | | | |
| ___ a. Flow and pressure at each flowing sprinkler head | | | | |
| ___ b. Flow diagram for a grid system. | | | | |

| PLUMBING PLANS (Refer to General Requirements) | | | | |
|---|--------------------------------|---|-------------------|------------------------|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set. | Footing Foundation only | Footing /Foundation & Struct Steel | Shell only | Shell with core |
| ___ a. Show a Site Utilities Plan if not provided with the Civil Drawings. | ✓ | ✓ | ✓ | ✓ |
| ___ 1. Show the domestic water, fire, and irrigation services. | ✓ | ✓ | ✓ | ✓ |
| ___ 2. Show the location of the water meters. | ✓ | ✓ | ✓ | ✓ |
| ___ 3. Show the Sanitary Sewer service from bldg. to CMUD. | ✓ | ✓ | ✓ | ✓ |
| ___ b. Show interceptors as applicable to project and size by flow rate. | ✓ | ✓ | ✓ | ✓ |
| ___ c. Provide plumbing plan layouts for each floor. These shall show the water supply, drain-waste-vent piping, fixture schedule, details, notes, legends and other schedules necessary to define the system being installed. | | | | ✓ |

| PLUMBING PLANS (Refer to General Requirements) | | | | |
|---|-------------------------|------------------------------------|------------|-----------------|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set. | Footing Foundation only | Footing /Foundation & Struct Steel | Shell only | Shell with core |
| ___ e. Provide fixture and equipment schedule showing fixture number, description; hot water, cold water, waste and vent connection sizes and other pertinent data. | | | | ✓ |
| ___ f. Identify all fixtures on the floor plans and in riser diagrams with the plumbing fixture schedule number. | | | | ✓ |
| ___ g. On single story buildings (with no basement plumbing), Supply and Waste/Vent piping may be shown on the floor plans. All pipe sizes must be clearly shown. In congested areas, where in the opinion of the plans examiner, the plans are not clearly delineated, isometrics may be needed. | ✓ | ✓ | ✓ | ✓ |
| ___ h. On buildings two stories and above, provide isometric diagrams and/or schematic riser diagrams for Supply and Waste/Vent piping and identify them by number (e.g. R1, R2, etc.). Show where all riser base terminations connect to the building drain, along with all interconnecting piping on each floor plan. All pipe sizes must be clearly defined. | | | ✓ | ✓ |
| ___ i. Show the water/sanitary drain-waste-vent and storm leaders/drains. Indicate sizes and materials for above/below grade. (<i>Under slab drain-waste-vent, wet column, water distribution main only for all submissions except shell with core.</i>) | ✓ | ✓ | ✓ | ✓ |
| ___ j. Show slope of horizontal sanitary and storm piping > or = to 3 inch diameter, if different than 1/8 inch per foot. | ✓ | ✓ | ✓ | ✓ |
| ___ k. Indicate roof drains and emergency roof drains/scuppers with the areas they impact. | | | ✓ | ✓ |
| (Note Emergency = Secondary = Overflow) see "Roof Drainage Examples" below: | | | ✓ | ✓ |
| Roof Drain - 6" RD (16880 sq. ft.) | | | ✓ | ✓ |
| Emergency Roof Drain - 6" ERD (8180 sq. ft.) | | | ✓ | ✓ |
| Parapet wall scupper - 8" x 5" WS (4000 sq. ft.) | | | ✓ | ✓ |
| Emergency Scupper - 8" x 7" ES (6600 sq. ft.) | | | ✓ | ✓ |
| ___ l. Show toilet room layouts at sufficient scale for dimensions and details to be ascertained. | | | | ✓ |

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|---|--|--|---|---|
| ___ m. Show drinking fountain locations. | | | | ✓ |
| ___ n. All penetrations of fire rated construction to be per manufacturers details. The details shall meet or exceed rating of construction being penetrated and shall be provided to the inspector in the field. The penetration details must be exactly as tested by an approved testing laboratory or agency and they must include their system numbers. | | | | ✓ |
| ___ o. Room names and numbers for each floor should be on a floor plan for each level. | | | | ✓ |
| ___ r. No upfit drawing will be submitted for shell or shell and core submittal. | | | ✓ | ✓ |

| MECHANICAL PLANS (Refer to General Requirements) | Footing Foundation only | Footing /Foundation & Struct Steel | Shell only | Shell with core |
|---|--------------------------------|---|-------------------|------------------------|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set. | | | | |
| ___ a. Show code required wall louvers, penetrations & fans. | | | | ✓ |
| ___ b. Indicate roof mounted equipment locations. | | | | ✓ |
| ___ c. Show all mechanical equipment, piping/duct work (above/below slab). | | | | ✓ |
| ___ d. Provide mechanical plans for each floor and the roof. These shall show the ductwork layouts, schedules, notes, legends, piping schematics, and details necessary to define the system being installed. | | | | ✓ |
| ___ e. Indicate air distribution devices showing cfm for supply, return and exhaust devices. | | | | ✓ |
| ___ f. Indicate the location of all equipment components required for a complete system. | | | | ✓ |
| ___ g Show the smoke ventilation of Atriums and pressurization of High Rise stairwells as defined in Volume I, NCSBC.. | | | | ✓ |
| ___ h. Show condensation drainage. | | | | ✓ |
| ___ i. Indicate toilet exhaust requirements, (two cfm/sq. Ft. (Gross floor area)). | | | | ✓ |
| ___ j. Show mechanical room layouts at sufficient scale for dimensions and details to be ascertained. | | | | ✓ |
| ___ k. Show the size of duct runs. | | | | ✓ |
| ___ l. Indicate controls for fan shutdown: emergency manual and automatic smoke detection. | | | | ✓ |
| ___ m. Show the location of all UL 555 certified fire dampers, ceiling dampers, smoke dampers and fire doors. | | | | ✓ |
| ___ n. Show all fire-rated walls (both existing and new) with their ratings, if not shown elsewhere. | | | | ✓ |
| ___ o. All penetrations of fire rated construction to be per manufacturer details. The details shall meet or exceed rating of construction being penetrated and shall be provided to the inspector in the field. | | | | ✓ |
| ___ p. Room names and numbers for each floor should be on a floor plan for each level. | | | | ✓ |
| ___ Q. Limited heat may be permitted for freeze protection only. This is a case by case approval. | | | ✓ | ✓ |

| ELECTRICAL PLANS (Refer to General Requirements) | | | | |
|--|---|---|--|--|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set | Footing Foundation Only Ref: note P,Q, | Footing /Foundation & Struct Steel Ref: Notes P.Q.R. | Shell only Ref:Notes P.Q.R.S. | Shell with core Ref: Notes P.Q.R.S.T. |
| ___ a. Provide panel schedules and (NEC) load summary for all new and/or affected panels and services including AIC Coordination. Third party approved series ratings are acceptable. | | | ✓ | ✓ |
| ___ b. Show a single line riser diagram showing all new and/or affected service(s), feeder(s), wire sizes and conduit sizes and types. | | | ✓ | ✓ |
| ___ c. Indicate the number of services and their location(s). | | | ✓ | ✓ |
| ___ d. Indicate the grounding electrode conductor size with new and/or affected service and transformers. | | | ✓ | ✓ |
| ___ e. Show locations for all new and/or affected panels and switchgear. | | | ✓ | ✓ |
| ___ f. Indicate receptacle plans and circuitry for each floor. | | | | ✓ |
| ___ g. Indicate lighting plans (on reflected ceiling plans and circuitry) for each floor. | | | ✓ | ✓ |
| ___ h. Show electrical plans for each affected floor including roof. | | | | ✓ |
| ___ i. Show wiring method, conduit sizes and types (if used), termination requirements, conductor sizes and types etc. | ✓ | ✓ | ✓ | ✓ |
| ___ j. Indicate the design and/or operation for any of the following applicable life safety systems: i.e. emergency generators, smoke evacuation, shaft pressurization and relief, smoke detection, egress and emergency lighting, and fire alarm. | | | | ✓ |
| ___ k. Indicate how special needs such as hazardous, corrosive, and Patient Care wiring are treated. | | | | ✓ |
| ___ l. Indicate all HVAC and major appliance electrical nameplate data or design criteria including voltage/phase/hertz (MCA or FLA, HP or KVA) if not supplied elsewhere. (See appendix.) | | | | ✓ |
| ___ m. Indicate all motor horsepower ratings if not supplied elsewhere. | | | | ✓ |

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| <p>___ n. Indicate the UL/FM # hourly rating of all rated members and assemblies i.e. columns, beams, floor and ceiling, and ceiling and roof fire-rated design assemblies. Show all fire-rated walls (both existing and new) with their ratings if not shown elsewhere. Drawings submitted without fire-rated walls shown will be rejected.</p> | | | | ✓ |
| <p>___ o. All penetrations of fire rated construction to be per manufacturers details. The details shall meet or exceed rating of construction being penetrated and shall be provided to the inspector in the field. Penetration details must be exactly as tested by an approved testing laboratory or agency and must include their system numbers.</p> | | | | ✓ |

| ELECTRICAL PLANS (Refer to General Requirements) | | | | |
|--|---|---|---|---|
| Note: The information is required for each respective discipline; however, in most cases it need not be within the discipline's drawings nor repeated within the discipline's drawings if the information exists within the drawing set | Footing Foundation Only Ref: note P,Q, | Footing /Foundation & Struct Steel Ref: Notes P.Q.R. | Shell only Ref:No te P.Q.R. S. | Shell with core Ref: Notes P.Q.R.S .T. |
| ___ q. If above the lowest slab conduit (if desired show type, size, location, | ✓ | ✓ | | ✓ |
| ___ r. If structural steel is wanted please follow guide lines set in P, Q, for requirement | ✓ | ✓ | | ✓ |
| ___ S. For shell package please references P, Q, R, requirements and a house panel to supply the exterior security lights and required loads (i.e. fire alarm, fire pump, and accessories). The house panel service MUST be separate from any future tenant service (i.e. CAN NOT be off the further tenant trough or MDP. NO TENANT RELATED WORK IS ALLOWED WITH THIS PERMIT. | ✓ | ✓ | ✓ | ✓ |
| ___ t. Shell with core please reference P. Q, R, S, And it includes the service to building, feeders panels, core lighting, core receptacles, core equipment, and core HVAC. It does not include any tenant work. | ✓ | ✓ | ✓ | ✓ |
| ___ p. Provide all applicable Energy Code Compliance Data on <u>Appendix "B"</u> . | | | ✓ | ✓ |