

DESIGN COORDINATION CHECKLIST

STRUCTURAL

| | | |
|---|--|------------------|
| Project Name: | | Project No : |
| Drawing title, with number and revision | | Originator : |
| | | Checker : |
| | | Reviewer : |

| No. | Aspect Reviewed | Coordinated | | | Remarks |
|-----|---|-------------|----|-----|---------|
| | | Yes | No | N/A | |
| 1 | General notes agree with specifications | | | | |
| 2 | Column grids match architectural | | | | |
| 3 | Column locations match architectural | | | | |
| 4 | All columns located with rectangular grid locations (no radius locations) | | | | |
| 5 | Floor elevations match architectural and civil | | | | |
| 6 | Floor datum elevations match architectural | | | | |
| 7 | Elevator machine room slab elevations match architectural | | | | |
| 8 | Elevator pit elevations match architectural | | | | |
| 9 | Check pit elevations .and top of footings | | | | |
| 10 | Provide 7' - 6" clear In elevator machine rooms | | | | |
| 11 | Depressed slab locations match architectural | | | | |
| 12 | Depressed slabs are detailed | | | | |
| 13 | Raised slab locations match architectural | | | | |
| 14 | Raised slab locations are detailed | | | | |
| 15 | Roof elevations to match architectural | | | | |
| 16 | Roof slopes match architectural | | | | |
| 17 | All footing sizes are noted, and footing elevations provided | | | | |
| 18 | Stepped footings shown on foundation plan | | | | |
| 19 | Stepped footings shown on foundation plan | | | | |

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| | | Yes | No | N/A | |
| 20 | Foundation beams are identified and listed in a schedule | | | | |
| 21 | Check location and depth of underground piping versus location and depth of footings | | | | |
| 22 | Check sump pit locations and depths versus location and depth of footings | | | | |
| 23 | Check location and depth of utilities penetrating exterior walls versus framing and footings | | | | |
| 24 | Under slab subgrade preparation shown on plan and details | | | | |
| 25 | Under slab subgrade preparation complies with geotechnical report | | | | |
| 26 | Structural work complies with geotechnical report | | | | |
| 27 | Section through building to show over-excavation below slab and footings if over-excavation is required | | | | |
| 28 | Check footings/foundations for offset conditions not detailed | | | | |
| 29 | Footing elevations agree with site grades shown on civil | | | | |
| 30 | Edge of slab locations match architectural | | | | |
| 31 | Edge of slab-on grade detail matches architectural | | | | |
| 32 | Construction joint and control joint layout shown on the slab-on-grade | | | | |
| 33 | All columns listed in column schedule | | | | |
| 34 | Column schedule lists correct length opt each column | | | | |
| 35 | Verify column sizes on frame elevations | | | | |
| 36 | Concrete column encasements match architectural | | | | |

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| | | Yes | No | N/A | |
| 37 | Structural steel reinforced concrete Interfaces to be checked for rebar clearance | | | | |
| 38 | All beams listed on the beam schedule | | | | |
| 39 | Each steel beam has size shown | | | | |
| 40 | Each concrete beam has a scheduled beam type | | | | |
| 41 | All beams are located in plan | | | | |
| 42 | Top of beams framing into each other shall match | | | | |
| 43 | Bottom of floor framing beams shall be above bottom of girders | | | | |
| 44 | Beam sleeves shown in concrete beams | | | | |
| 45 | Beam pipe penetrations shown in steel beam | | | | |
| 46 | Beam duct penetrations shown in steel beams | | | | |
| 47 | Shear studs noted on beams where required | | | | |
| 48 | Indicate camber where required in floor and roof beams | | | | |
| 49 | Slab openings dimensioned | | | | |
| 50 | Slab openings match architectural | | | | |
| 51 | Slab openings for electrical bus risers shown | | | | |
| 52 | Slab openings for electrical bus risers shown | | | | |
| 53 | Expansion joint locations match architectural | | | | |
| 54 | In concrete slabs, all slab openings should have reinforcing shown | | | | |
| 55 | Required elevator guide rails supports shown | | | | |

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| | | Yes | No | N/A | |
| 56 | Required elevator counterweight rail supports shown | | | | |
| 57 | Show door and duct openings in concrete shear walls | | | | |
| 58 | Concrete reinforcing clearly shown at arched openings | | | | |
| 59 | Roof openings match architectural and mechanical | | | | |
| 60 | Roof framing at stairs provided to hang stair landing hanger rods | | | | |
| 61 | Bracing of bottom beams flanges at precast panels shown | | | | |
| 62 | Roof tie down locations match architectural (lateral bracing at bottom beam flanges may be required) | | | | |
| 63 | Davit socket locations match architectural | | | | |
| 64 | Mechanical/housekeeping pads shown on structural or architectural | | | | |
| 65 | Rebar splice lengths are defined in feet and Inches | | | | |
| 66 | Special structural details (x-bracing, beam bracing, outriggers) do not conflict with architectural, plumbing or mechanical) | | | | |
| 67 | Site retaining walls shown on structural, civil or landscaping | | | | |