

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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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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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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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				