



Design Development

Check
Box *

No.		Check Box *
01	Update summary of detailed schematic design brief as required; confirm with client. Distribute (E 01).	
02	Compare each subconsultant's and other consultant's schematics to architectural, verify match.	
03	Verify that all questions from the schematic design brief relating to engineering disciplines have been resolved (E 02).	
04	Confirm any revisions to cost plan.	
05	Check preliminary internal and external Finishes Schedule; revise if necessary . Distribute (E 15).	
06	Prepare design development phase workplan, staffing plan and time schedule. Review with PIC.	
07	Verify progress to work plan in current period. Note deficiencies.	
08	Test structural design against other criteria; confirm/amend provisional structural system selection (E 10).	
09	Confirm lift speeds, door operation, controls, general car interior requirements with client and real estate advisor; advise as to check cost plan allowances.	
10	Confirm lift shaft dimensions, overrun and pit requirements, plant room sizes, sheave beam requirements etc.	
11	Confirm acceptability of access to fireman's lift and fire control panel.	
12	Confirm final detail requirements for lifts and escalators.	
13	Confirm typical floor beam depths, maximum duct depth requirements, floor-to-floor heights.	
14	Test mechanical design against other criteria; confirm/amend provisional building services system selections; confirm that sanitary fixture count meets statutory requirements (E 11).	
15	Establish location and provisional size of electrical substation if required; consult State and local power supply authority.	
16	Confirm provisional dimensions of shafts and duct spaces, all levels; confirm plant room equipment layouts, tanks and other mechanical requirements.	
17	Prepare options complying with reflectance, heat gain/loss requirements, glass shading coefficients; review with client and BSEng. Select.	
18	Prepare options study for building maintenance unit (if required); review with client. Submit for approval.	
19	Verify curtain wall design compatibility with edge beam loading deflections.	
20	Evaluate vertical "creep" considerations (for tall structures).	
21	Prepare/commission energy management study, if required. Submit to client.	
22	Confirm ceiling module dimensions with client, real estate advisor and BSEng.	
23	Confirm all service utility entry points, sizes, and architectural requirements.	
24	Confirm fire rating requirements for all building elements.	
25	Prepare computer floor options study. Submit to client.	
26	Check design development drawings against all GROUP C requirements. [GROUP C is Surveys and Planning Approvals]	
27	Submit design development drawings to QS for review of cost plan.	
28	Obtain client's approval of and sign-off on design development, or obtain authority to proceed to next stage.	