

Assignment: 1 (BIM)

Framing plan

After you have created your levels and grid plan, develop a framing plan on a typical level. Create your framing plan in Revit and dimension the spanning between the grid intersections. Use the spanning chart to select the appropriate beam for that span, based on the dimensions between supports. If your beam is on an exterior surface, use the edge column in the chart. For all interior sizing use the interior column.

		W wide flange shape	
Maximum span		interior	Edge
36'-6"		18x86	21x68
36'		18x71	21x50
34'		18x55	21x44
32'		18x46	18x86
30'		18x35	18x71
28'		16x40	18x55
26'		14x61	18x46
24'		14x38	18x35
20'		12x26	16x40
15'		10x26	14x61