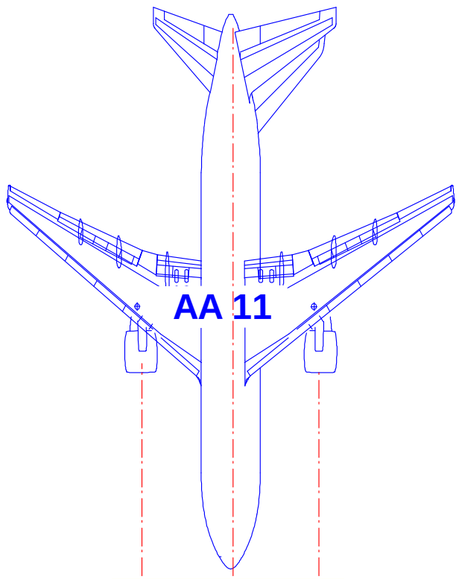
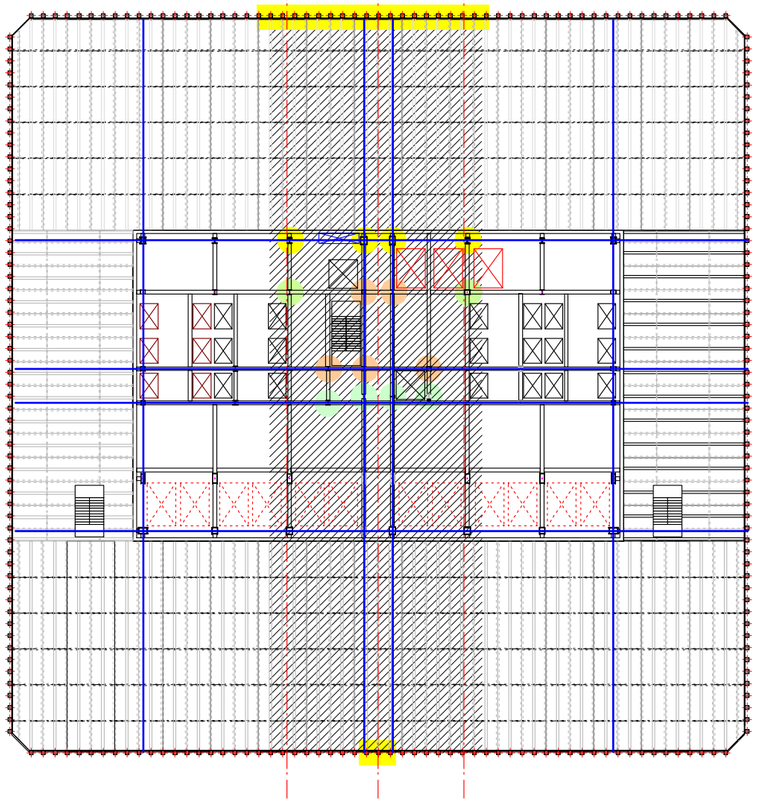
WTC 1 - COLUMN DESTRUCTION





COLUMN PERCENTAGE PERIMETER OOS SUPPORT

	1	2	3	4	5	6	7	8	TOTAL
50	6.8%	4.2%	5.0%	3.7%	3.3%	5.0%	4.2%	6.8%	38.9%
60	2.3%							2.3%	4.6%
70	2.7%							2.5%	5.1%
80	2.3%							2.5%	4.8%
90	2.3%							2.3%	4.6%
100	7.0%	4.3%	5.7%	5.2%	3.1%	5.2%	4.3%	7.0%	41.8%
TOTAL	23.5%	8.5%	10.8%	8.8%	6.3%	10.2%	8.5%	23.4%	100%

16.9% of perimeter core columns destroyed by plane impact

42.4% of row 500 core columns destroyed by plane impact

ASSUMED LOAD REDISTRIBUTION POST IMPACT

	1	2	3	4	5	6	7	8	TOTAL
50	6.8%	6.3%	DESTROYED				6.3%	6.8%	26.2%
60	2.3%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	2.3%	17.2%
70	2.7%							2.5%	5.1%
80	2.3%							2.5%	4.8%
90	2.3%							2.3%	4.6%
100	7.0%	4.3%	5.7%	5.2%	3.1%	5.2%	4.3%	7.0%	41.8%
TOTAL	23.5%	12.7%	7.8%	7.3%	5.2%	7.3%	12.7%	23.4%	100%

% AXIAL LOAD INCREASE POST IMPACT LOAD REDISTRIBUTION

	1	2	3	4	5	6	7	8
50	0.0%	51%					51%	0.0%
60	0.0%	102%	102%	102%	100%	100%	100%	0.0%
70	0.0%							0.0%
80	0.0%							0.0%
90	0.0%							0.0%
100	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%