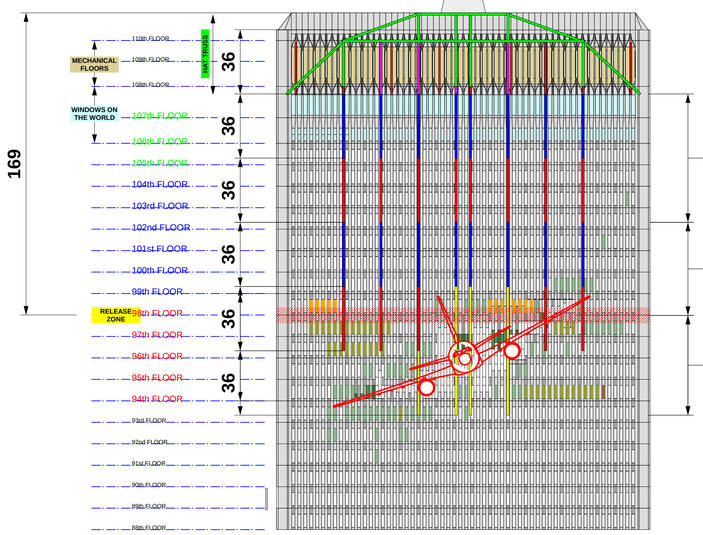
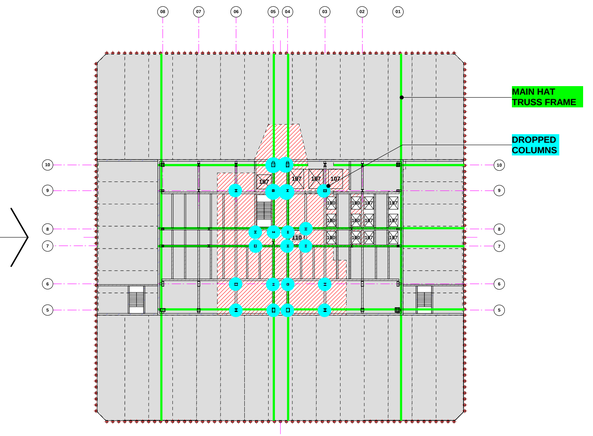
CORE DROP HYPOTHESIS

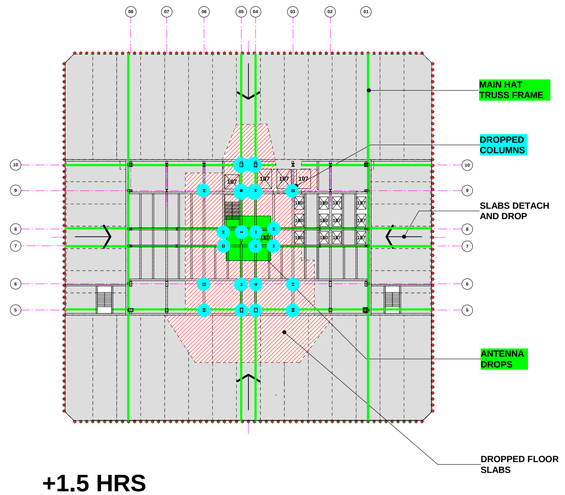
AT PLANE IMPACT THE FLOORS AND COLUMNS ABOVE THE MECHANICALLY DESTROYED COLUMNS DROP DOWN. THE COLUMN BEARING CONNECTIONS DO NOT PERFORM UNDER TENSION (HANGING THE COLUMNS AND ATTACHED FLOORS FROM THE HAT TRUSS). THIS CAUSES LOCAL AREAS OF FLOOR TO DROP DOWN THROUGH THE PLANE STRIKE REGION. CONTINUED HEAT WEAKENING OF CCONNECTIONS OF BRACING BETWEEN COLUMNS ENSUES CAUSING ADDITIONAL FLOOR AREAS TO DISENGAGE AND DROP FREE OF COLUMNS. AS THE FIRE PROGRESSES UNABATTED FOR 1.5 HRS EVENTUALY THE HAT TRUSS COLLAPSES MID SPAN UNDER THE MASSIVE ANTENNA WHICH DROPS INTO THE CORE REGION. AT THIS POINT IN TIME THERE ARE SO FEW PERIMETER CORE COLUMNS UNDAMAGED AND ABLE TO CARRY THE BELT GIRDER SURROUNDING THE CORE. THE OPEN OFFICE SYSTEM FLOORS PLUNGE DOWN INTO THE MASSIVE HOLE HOLLOWED OUT BY THE DROPPED CENTRAL CORE COLUMNS. THE UPPER SECTION ABOVE THE STRIKE ZINE IS REDUCED TO A FAÇADE, A STEEL CAGE, WITH ONLY SOME LOCAL AREAS OF ATTACHED FLOORS. THE PLUNGING OPEN OFFICE FLOORS AND ANTENNA JOSTLE THE FAÇADE CAGE PUSHING IT LATERALLY BREAKING IT FROM THE FAÇADE BELOW CAUSING IT TO DROP AND BREAK UP AS IT IMPACTS THE STANDING FAÇADE AS IT DESCENDS.

NOTE:
APPROXIMATE BOUNDARIES OF DAMAGE AND HEAT DESTROYED COLUMNS ARE ASSUMED. THERE IS NO DATA TO SUPPORT THESE ASSUMPTIONS

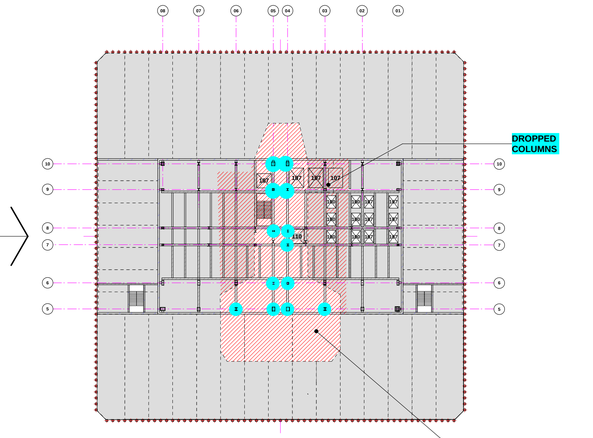




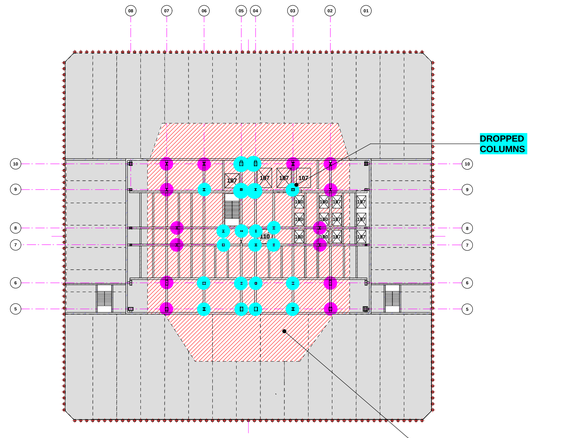
IMPACT
FLOORS 106 - 108



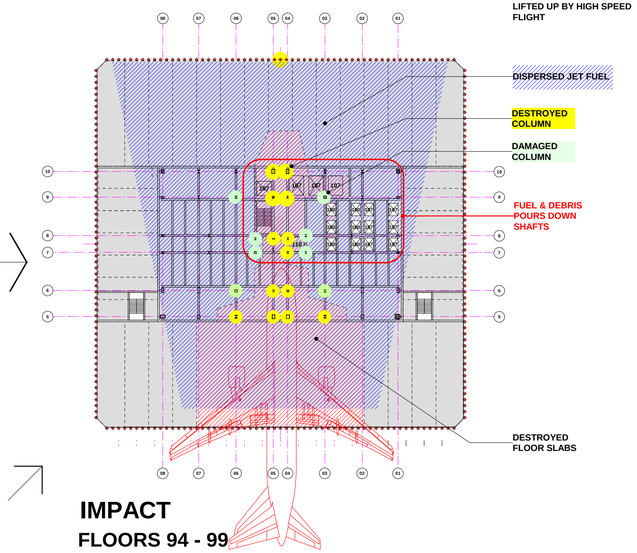
+1.5 HRS
FLOORS 106 - 108



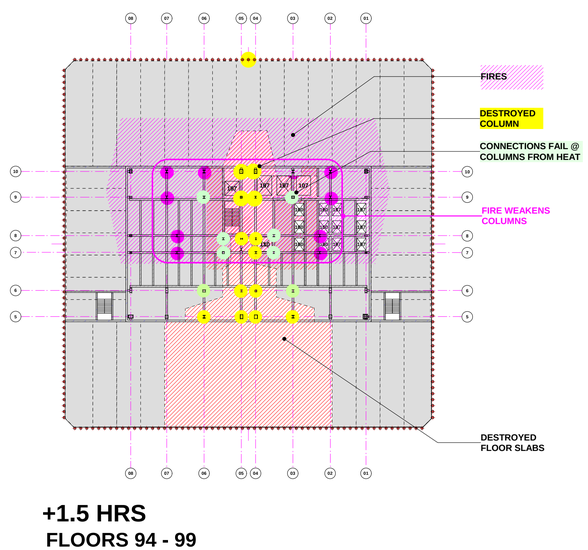
IMPACT
FLOORS 100-105



+1.5 HRS
FLOORS 100-105



IMPACT
FLOORS 94 - 99



+1.5 HRS
FLOORS 94 - 99

PRELIMINARY