

9.2 s after the east penthouse started moving. The kink near Column 47 is still prominent. The dust plume being forced from the roof opening on the east side of the building is visible. In the distant view, the entire west penthouse has disappeared below the north wall parapet. This took place around 9.3 s. A dust cloud, similar to that being ejected from the opening in the roof on the east side, has begun to form just to the west of the center of the north face. This suggests that the roof has also opened at this location.



Figure 5–208. Cropped frames from the Camera 2 video clip in Figure 5–185 and the Camera 3 video clip in Figure 5–186, showing the north face of WTC 7 10.0 s $\pm$ 0.1 s after the east penthouse began to move downward.

The intensities have been adjusted.

Figure 5–209 shows a frame from Camera 6 of the north face of WTC 7 recorded 10.0 s after the east penthouse began to collapse. Dust trails are flowing from the open windows on the east and west sides of the building. Numerous windows are open near the center of the face, but no dust flows are evident from these windows. The kink in the face near Column 47 observed near the top of building in Figure 5–208 appears to extend at least as far down as the mechanical floors on the 22nd and 23rd floors.

Figure 5–210 is a frame from the Camera 9 video showing the collapse at the same time looking up Greenwich Street. The appearance of the collapsing north face is consistent with the descriptions above. The appearance of the dust cloud at the base of the building has not changed markedly from that seen in Figure 5–192.

During the next second, the north face of WTC 7 moved downward nearly 6 stories. Figure 5–211 shows the Camera 2 distant and Camera 3 West Street views at 11.0 s following the initial downward movement of the east penthouse. WTC 7 is just about to pass out of sight behind the foreground building in the West Street view. While dust clouds continue to pass over the face, it is remarkable how many windows are still intact at the top of the building. The amount of dust pouring from the open windows of the falling north face is more evident in the distant view. It is also clear that a large amount of dust has been ejected through the roof at the two locations on the east side and near the center.