Standard Size Elevator (SSE)

A person arriving at the sky lobby for the section in which they live would then take a SSE to go to their floor. Each floor would have its own SSE, or one to a floor.

Both ELE and SSE will make express trips going up. However, If you board the SSE from your floor, it could take you to either the sky lobby above or below, or any floor in your section between the two sky lobbies.

Random Elevator (RE)

There will be 10 RE's designed to carry about 40 people. All 10 will be able to stop at all Main Lobbies and all Sky Lobbies. 8 of them will have their operation changed at mealtime. Each of the 8 will be matched with a particular ELE and for an hour or two, depending upon traffic demand, will go express between the Main Lobby and the Sky Lobby of the particular ELE it's matched with.

The other 2 RE's will have the ability to stop at all 102 floors and the roof at all times. The main use of these elevators would be freight rather than people, except in an emergency such as fire.

During mealtimes one or two of these RE's will be used to carry people rather than freight and will stop only at any sky lobby or main lobby. Each passenger will press a button for the lobby where they wish to get out. Whether one or two RE's are used will depend upon traffic demand.

Although the RE has no moving platform, as explained in the next paragraph, it will have freight elevator doors on opposite sides to speed loading and unloading. Also to assist this speed, the elevator is narrow between doors; so there is less distance to walk getting on or off. The distance between doors is 16½', so the maximum distance to walk from the middle is 8¼'. On the ELE this maximum distance would be 10'.

Moving Platforms (MP)

The MP will hold 50 people, who wait for the ELE door to open. Before it opens the green arrow will go off, the red light will come on to signal people not to step on the platform but to go around to the other side. When the door opens the platform holding 50 people will roll into the elevator, while at the same time the platform already inside loaded with another 50 people will automatically roll out the door on the other side. Both doors would open and close simultaneously, and they would do this like freight elevator doors, opening and closing vertically. After the doors have closed, the loaded elevator would ascend to its' sky lobby. On ½ the trips the elevator will be loaded on a different side in a particular lobby as the platform is rolled back and forth. See Extra Large Elevator (ELE) Platform Movement Chart for precise movement details.