Orbion Bowl – Sightline Study

2018-10-03

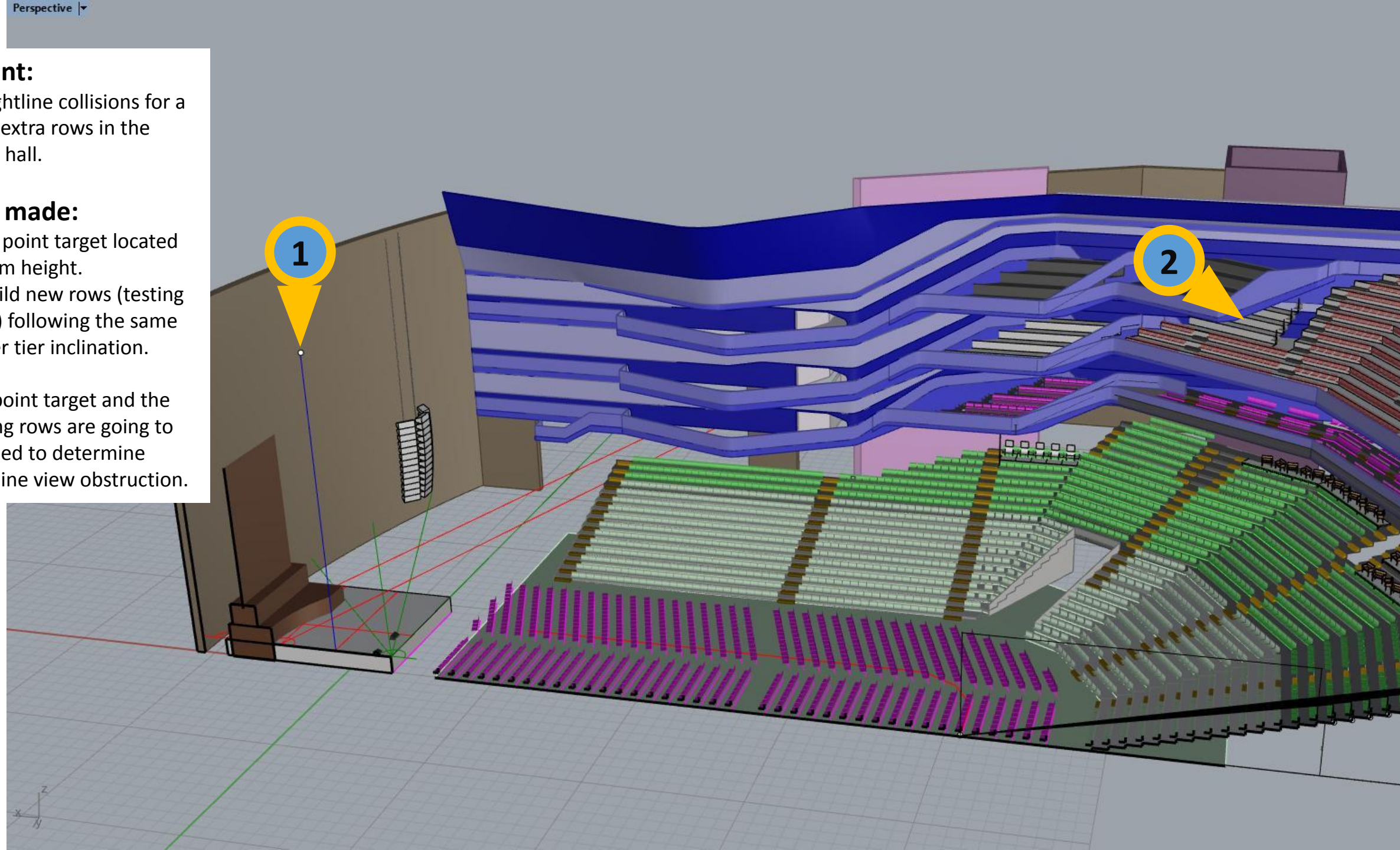
Comment:

Testing sightline collisions for a proposed extra rows in the upper tier hall.

Actions made:

1. View point target located at 22m height.
2. Rebuild new rows (testing rows) following the same Upper tier inclination.

- The point target and the testing rows are going to be used to determine sightline view obstruction.

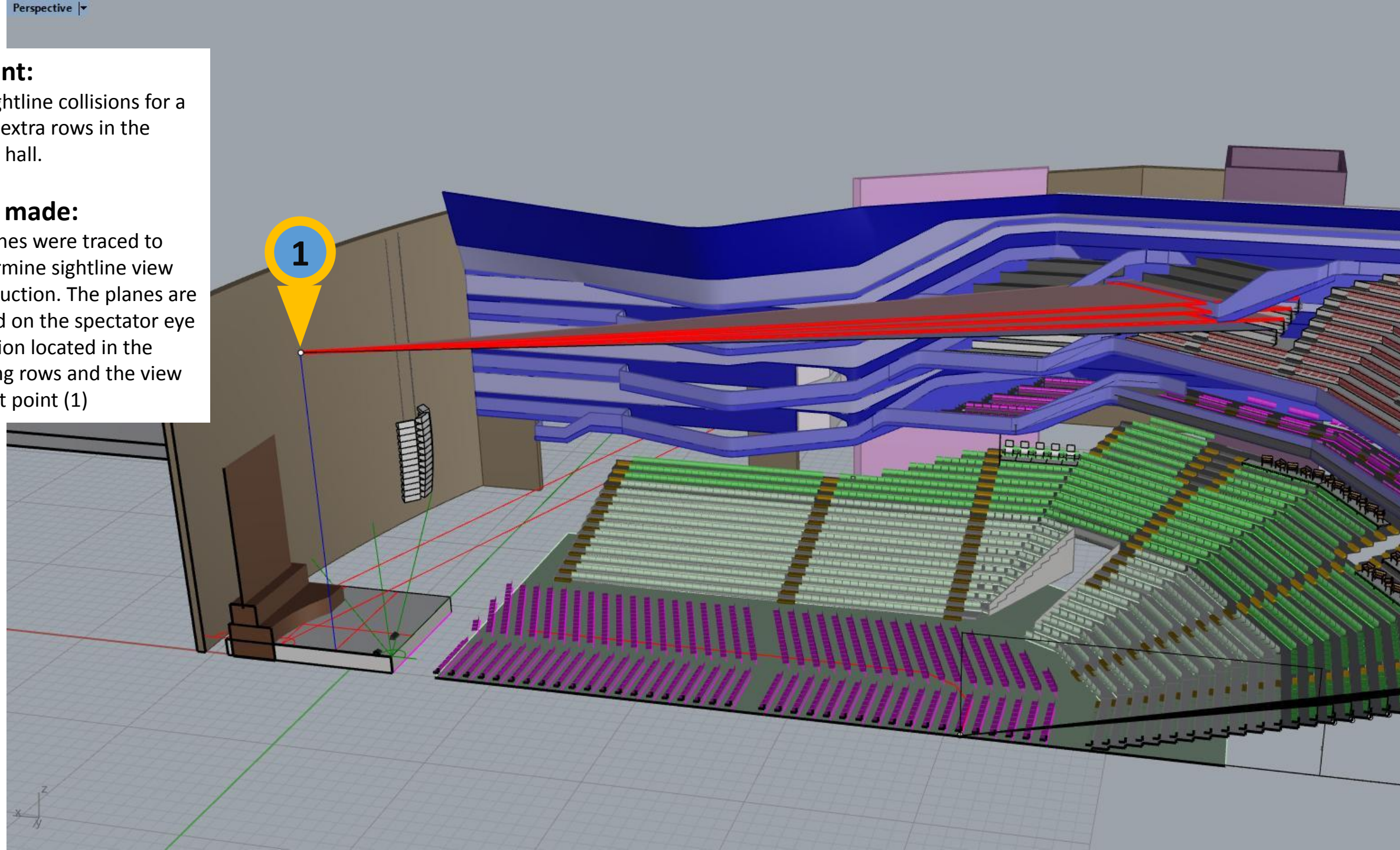


Comment:

Testing sightline collisions for a proposed extra rows in the upper tier hall.

Actions made:

- 4 planes were traced to determine sightline view obstruction. The planes are based on the spectator eye position located in the testing rows and the view target point (1)

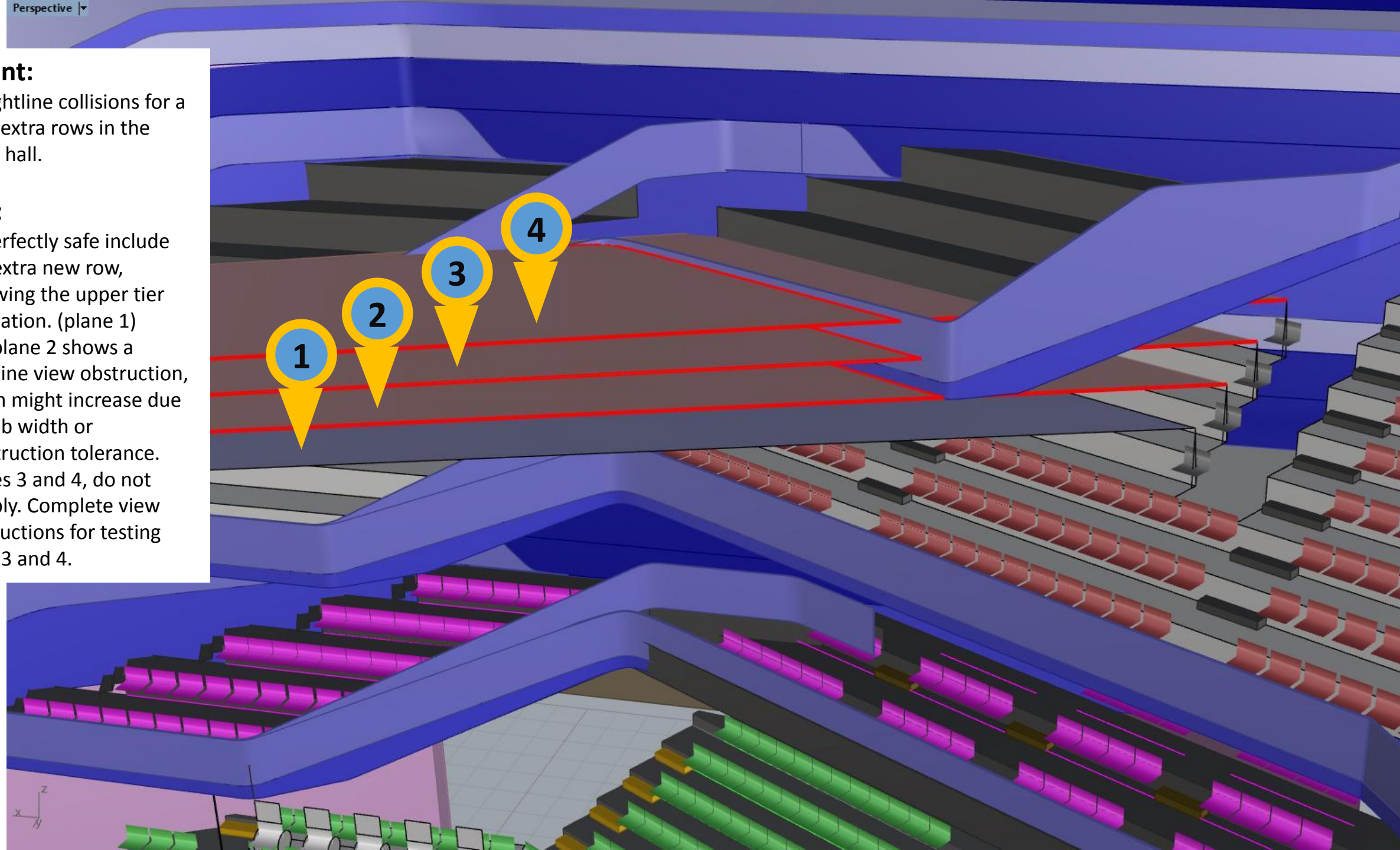


Comment:

Testing sightline collisions for a proposed extra rows in the upper tier hall.

Results:

1. Its perfectly safe include and extra new row, following the upper tier inclination. (plane 1)
2. The plane 2 shows a sightline view obstruction, which might increase due to slab width or construction tolerance.
3. Planes 3 and 4, do not comply. Complete view obstructions for testing rows 3 and 4.



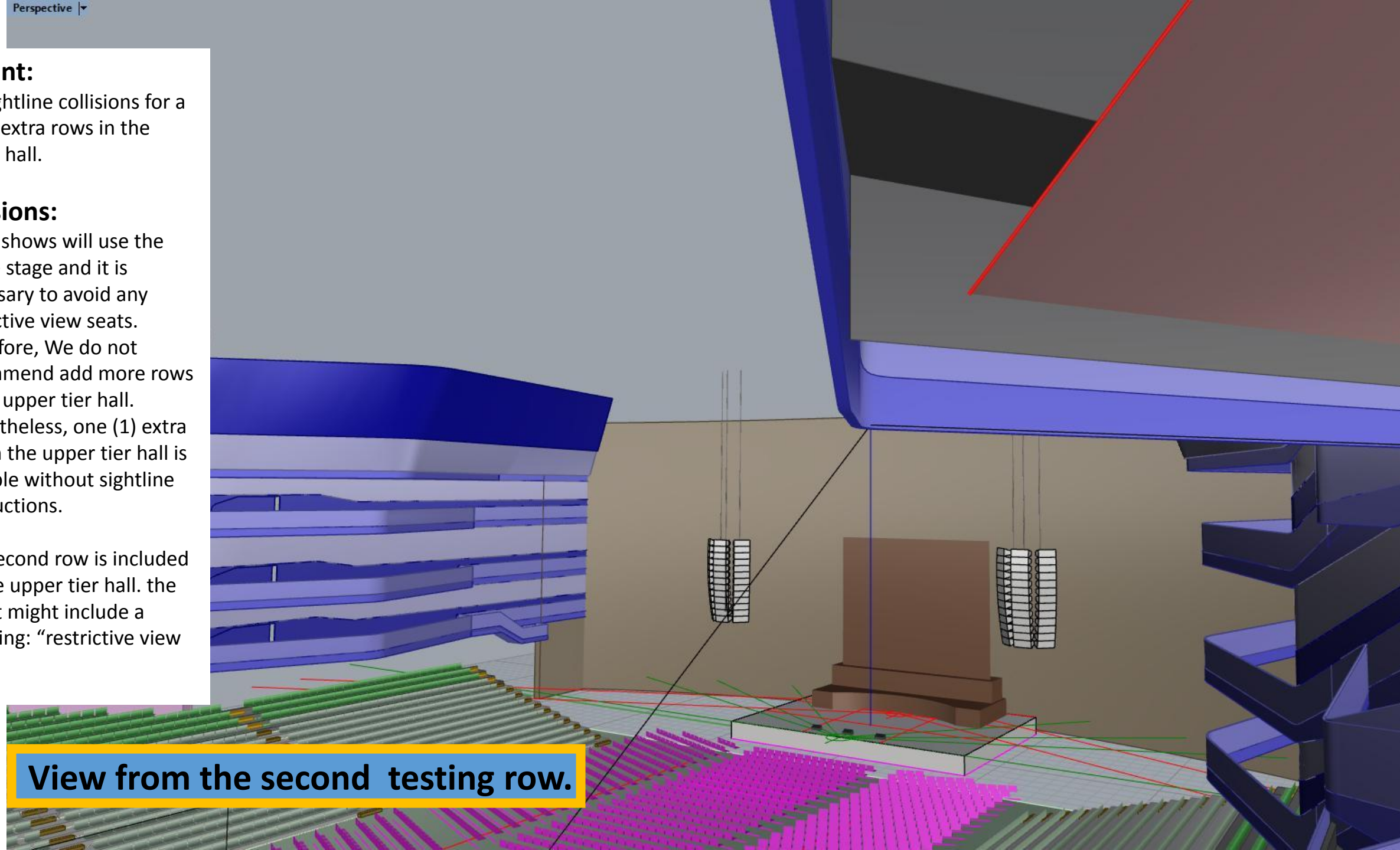
Comment:

Testing sightline collisions for a proposed extra rows in the upper tier hall.

Conclusions:

- Some shows will use the whole stage and it is necessary to avoid any restrictive view seats. Therefore, We do not recommend add more rows in the upper tier hall. Nevertheless, one (1) extra row in the upper tier hall is possible without sightline obstructions.

- If a second row is included in the upper tier hall. the ticket might include a warning: “restrictive view seat”



View from the second testing row.