



## LAS VEGAS CITY HALL

### CASE STUDY

PRODUCT: CURVALON  
FIRE RETARDANT | SUSTAINABLE

#### THE CHALLENGE

As the welcome law-abiding companion of Sin City, the Las Vegas City Hall new facility includes a 500-seat state of the art council chamber inspired by contemporary design.

The most noticeable component in the room is the unique, free-flowing ribbons of wood lining the interior

walls. Six rows of undulating, or serpentine shapes of varying size, radiused acoustical panels aim to disrupt emanating sound - a major concern from all involved.

#### THE ACTION

The complexity of the project - specifically the varying frequencies of the rows, the diverse panel sizes, and the complex installation itself would require all parties involved to be well versed on the product. This entailed mock ups to be manufactured - helping to explain the nuances and intricacies of the panels - and assembled in house to mimic the job.

The design of the council chamber walls create movement in the geometry angling from the rear radiused wall with the adjacent sides extending to the front of the room - following the sloping floors. Understanding the back wall panels would need to transition smoothly through the corners, the radiused panels required customized dimensions that accomodate the same serpentine frequency accented on the side panels.

The very complex installation was made easier by incorporating horizontal sill plates for panel support and alignment and metal 'Z' clips for securing the panels to the wall framing. The curved panels at the front of the chamber were required to be acoustically reflective, while the rear panels were required to be acoustically absorptive. Achieved only by the acoustician working with Rulon International's dedicated engineering team.