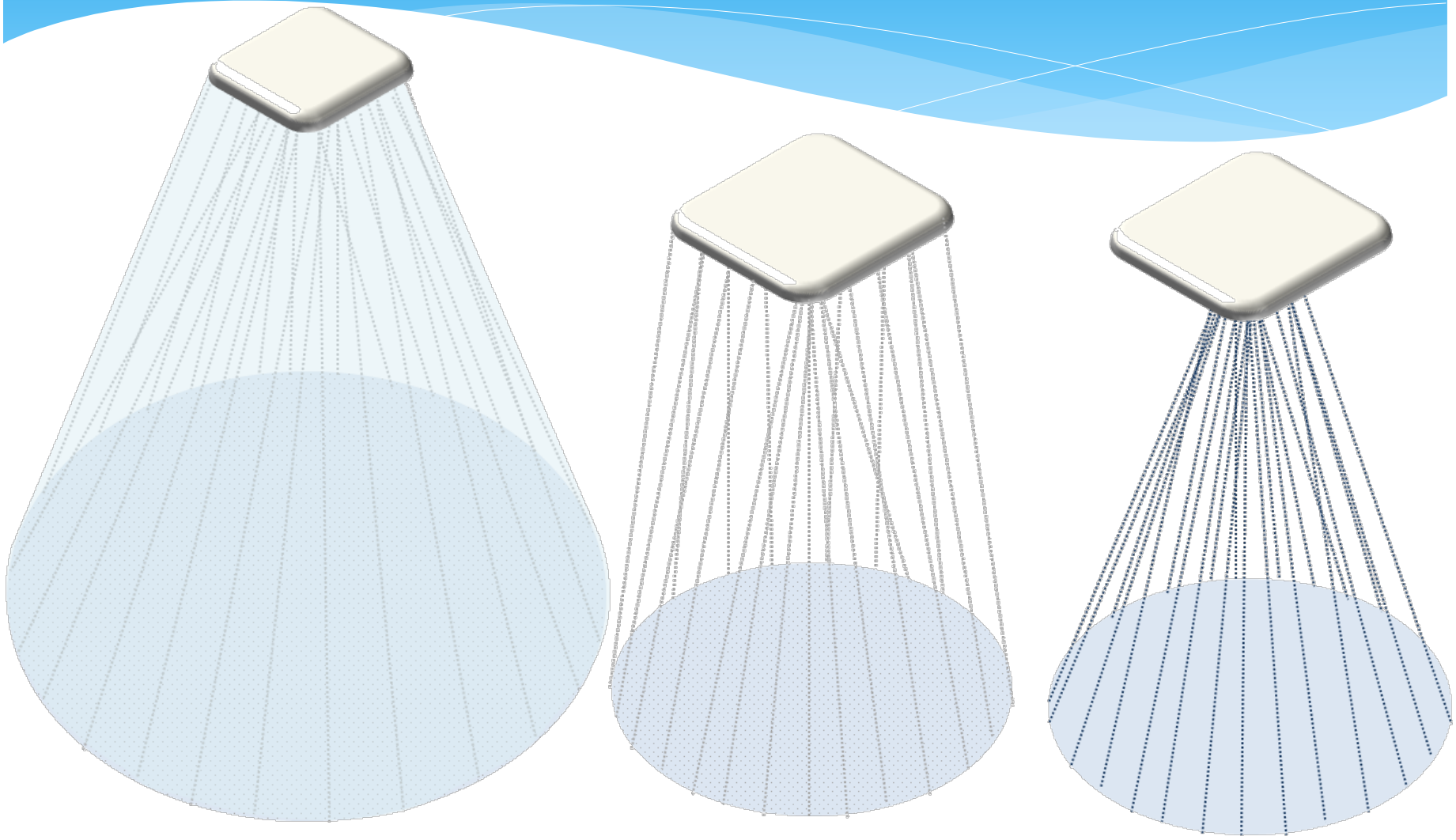
The xArray reader system

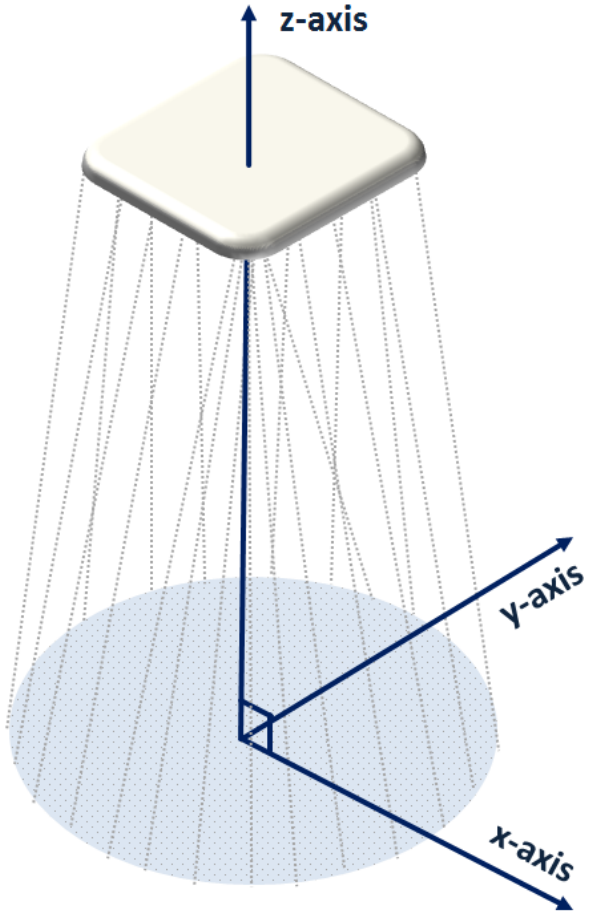
Redesign

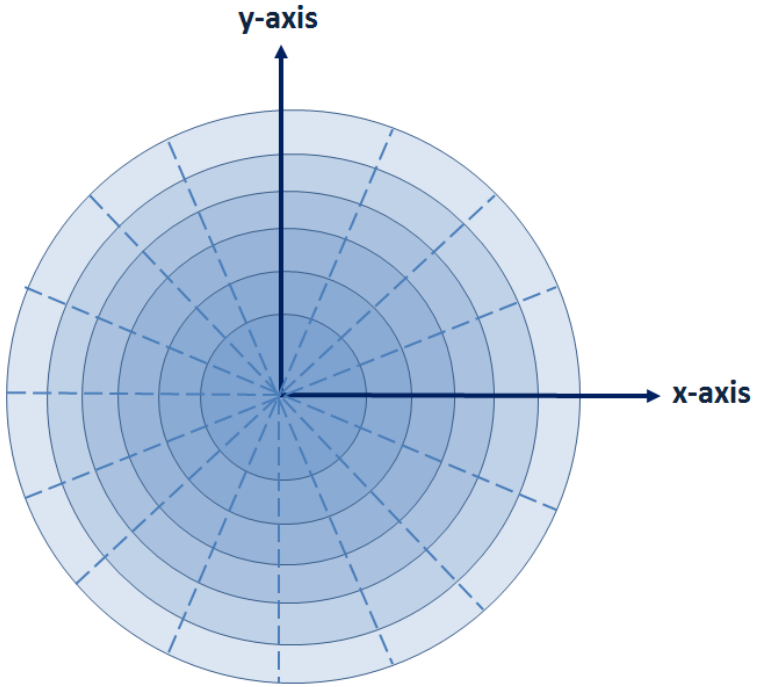
Vicky Tran
June 2014

1: the cone

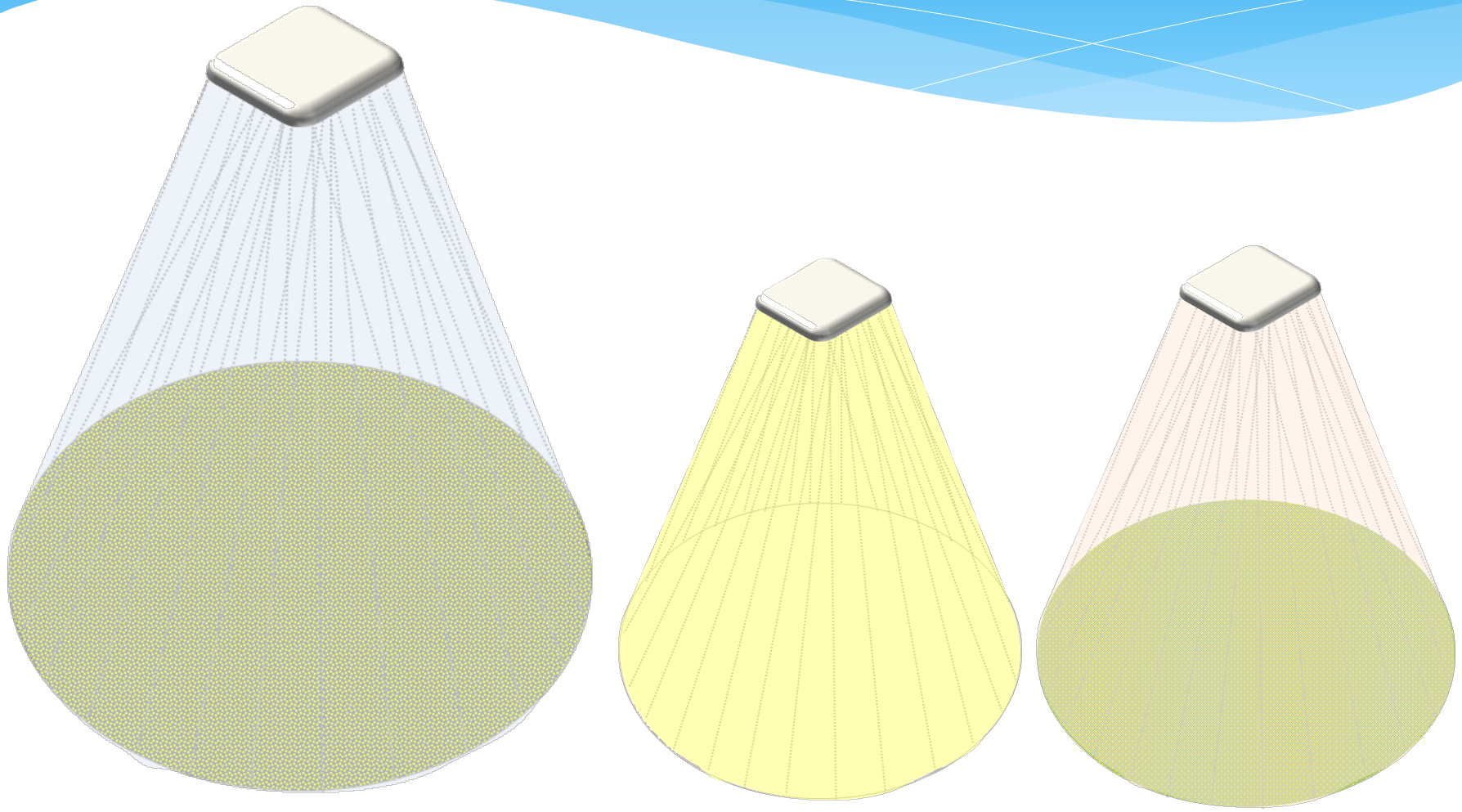


2: with axis labels

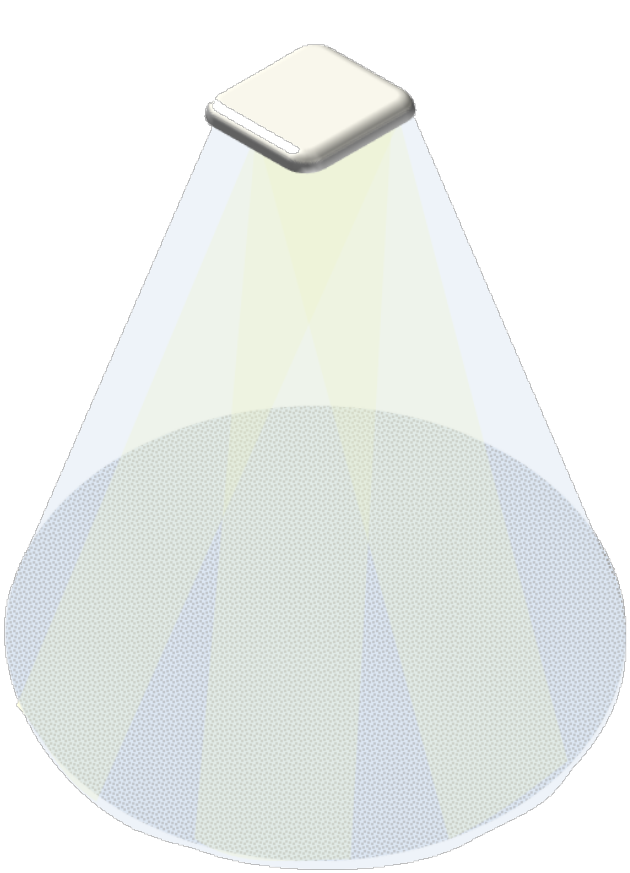


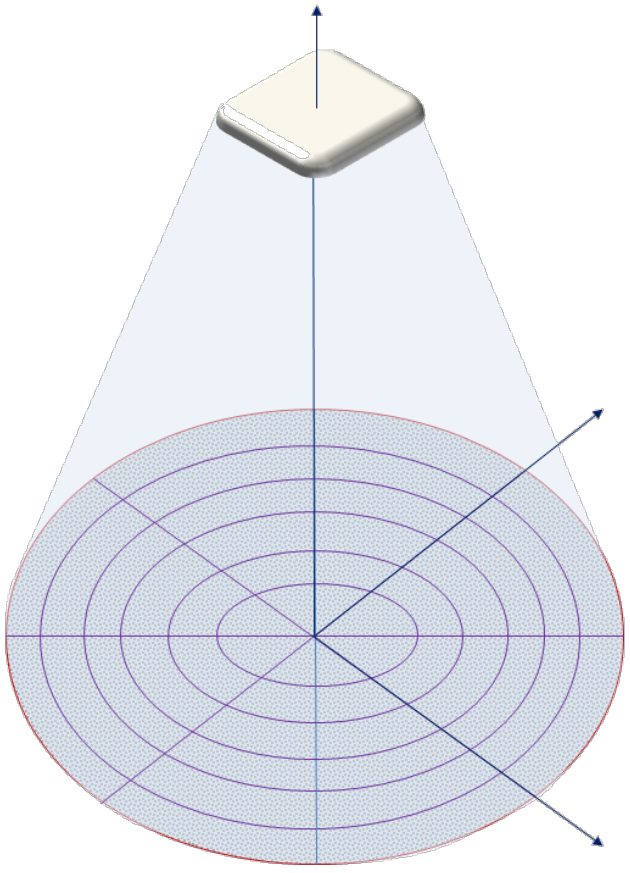


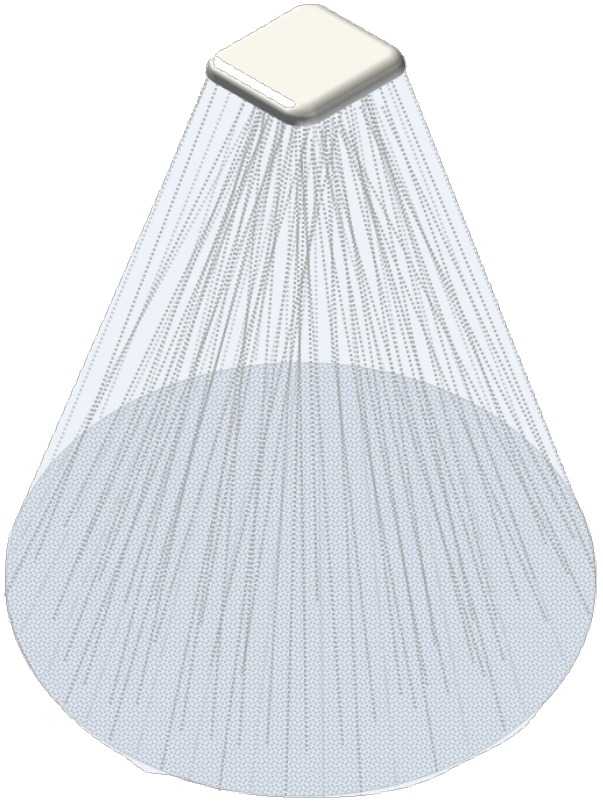
3: colors



4: style

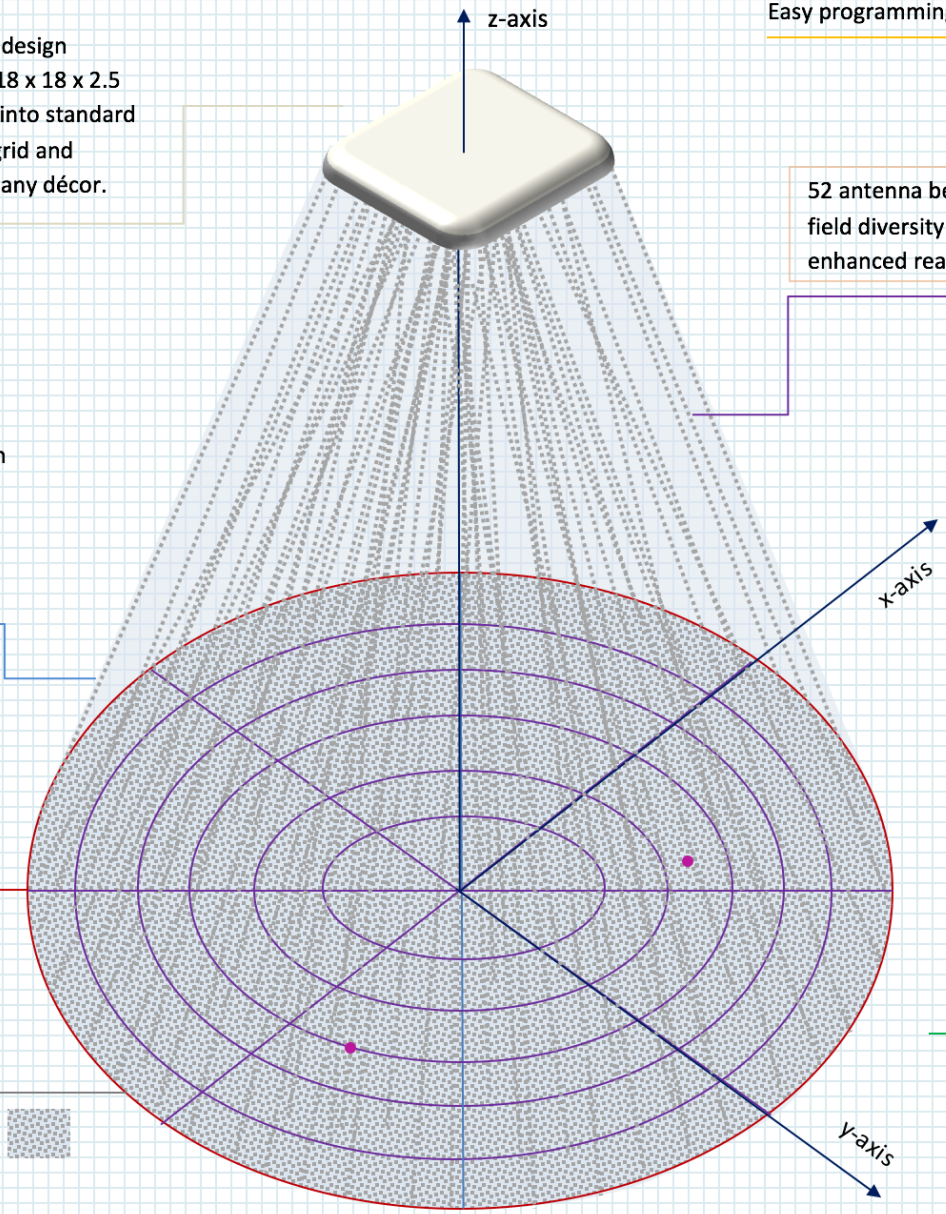






Low profile design measuring 18 x 18 x 2.5 inches. Fits into standard ceiling tile grid and blends into any décor.

Easy programming using LLRP and Impinj extensions



52 antenna beams for field diversity and enhanced readability

Beam forming 2-D array radiated a linear beam pattern in vertical and horizontal paths to read tags in and orientation.

Advanced locationing capability provides (x,y) estimates with each item read.

Up to 1,500 square feet of coverage.

Easy to use and maintain with IEEE 803.2af PoE, tilt sensor to detect when out of alignment, hysteresis feedback to alert when antenna may be blocked and customizable beacon

Robust tag direction capability which supports real world movement patterns.

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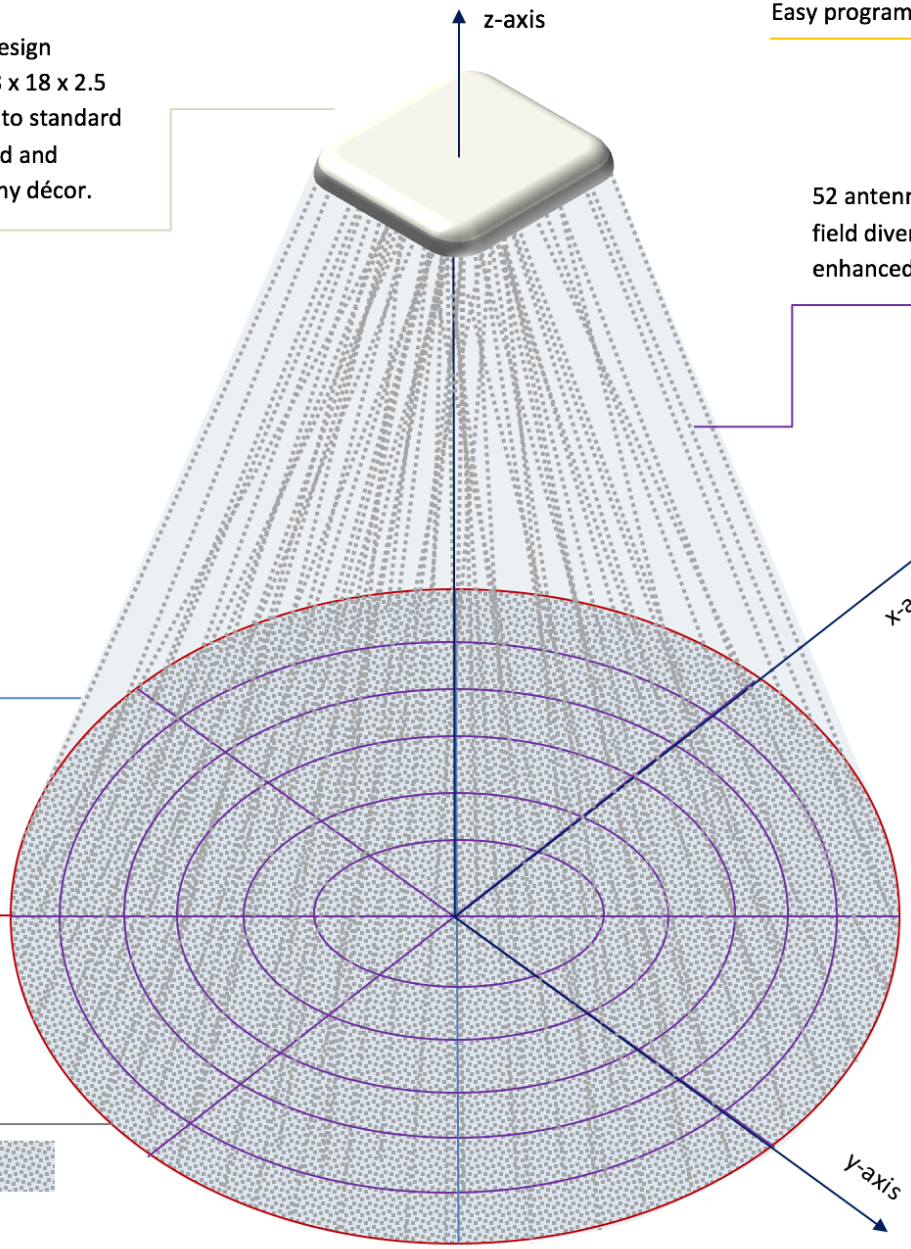

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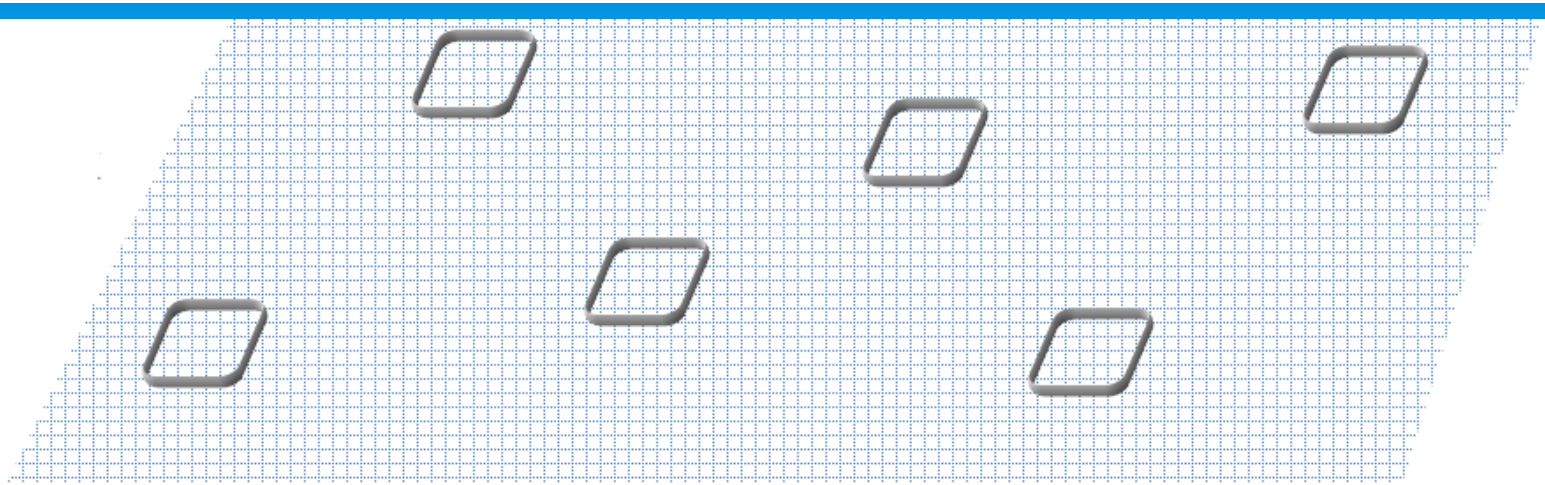
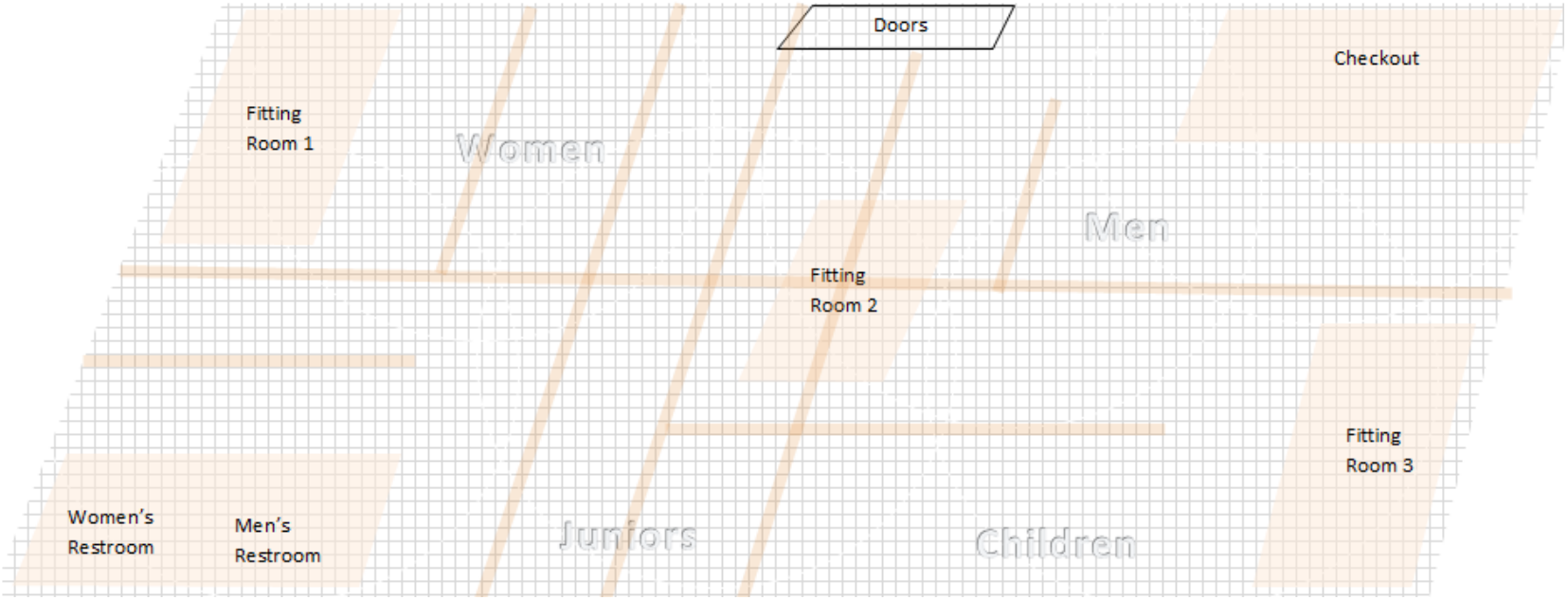
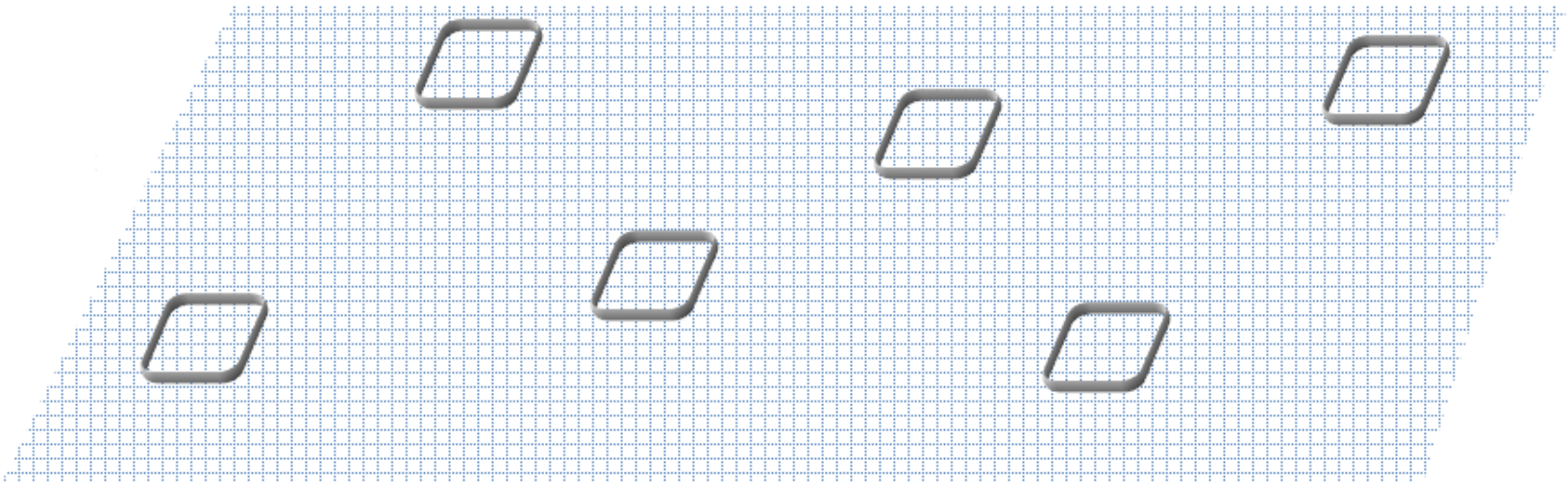
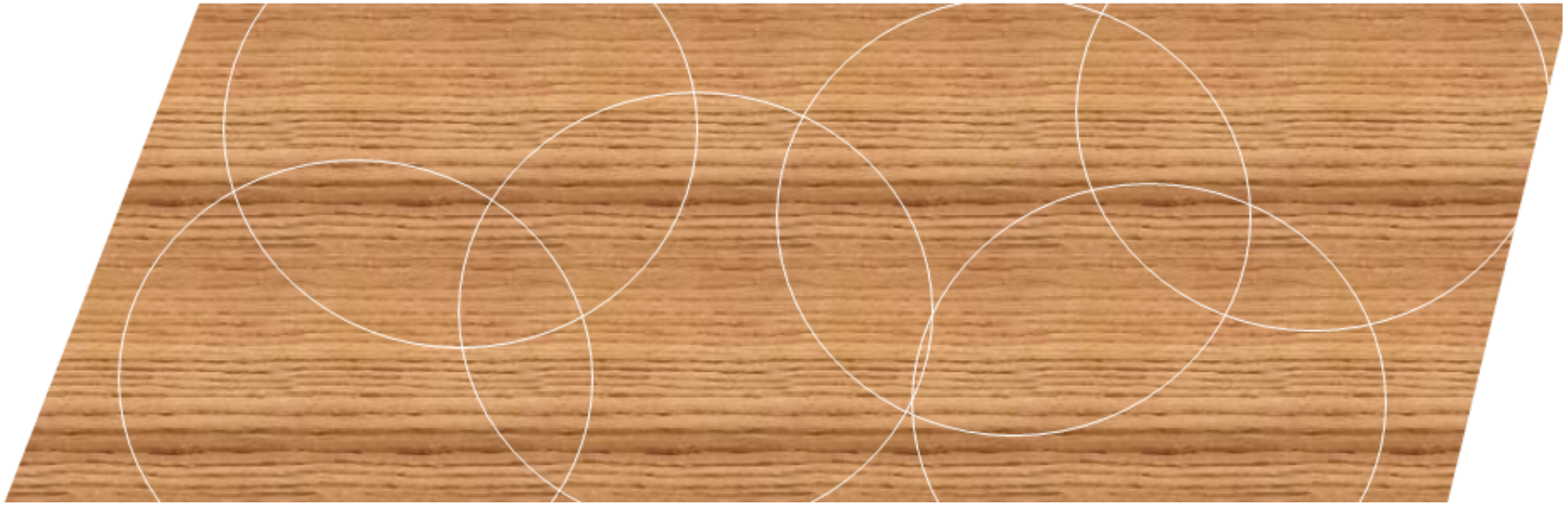



Doors
Checkout
Fitting
Room 1
Women
Men
Fitting
Room 2
Fitting
Room 3
Women's
Restroom
Men's
Restroom
Juniors
Children

Doors
Checkout
Fitting
Room 1
Dresses
Active Wear
Women
Tops
Bottoms
Children
Boy's
Girl's
Fitting
Room 2
Lingerie
Purses &
Bags
Dresses
Bottoms
Business
Casual
Shirts
Fitting
Room 3
Women's
Restroom
Men's
Restroom
Dresses
Juniors
Active Wear
Active Wear
Pants
Men
Underwear