Indoor Sports Court Guidelines:

These guidelines cover indoor sports courts which are used for following games:

a. Basketball
b. Volleyball
c. Badminton
d. Tennis
e. Squash

Basketball, Volleyball, Badminton, Tennis:

i. Height should not be less than 6 mtrs clear (below light / AC fixtures)
ii. If possible, natural lighting provision should be made by providing fixed windows above height of 4.5 m.
iii. Court should be air-conditioned, except for Casa projects where natural ventilation can be considered. If the supply air is from the ceiling, usage of swirl jet diffuser should be considered.
iv. Standard dimensions for various courts:
    a. Basketball: 94 feet x 50 feet (half basketball: 47 feet x 50 feet)
    b. Volleyball: 18 m (59 feet) x 9 m (29.5 feet)
    c. Badminton: 44 feet x 20 feet
    d. Tennis: 78 feet x 27 feet (singles) or 36 feet (doubles)
    In addition to the above, movement/playing space of min. 2.4 m on the longer dimension of the court (both sides) and 1.2 on the shorter dimension of the court (both sides) should be provided.
v. If a court is to be used for multiple sports, it is essential to ensure that the Courts are fitted on plan to see how it will be possible to use the court for multiple uses (either at same time or otherwise). If full basketball court is not feasible, half basketball court is possible. Ideally, a multi-purpose court should be sized according to the size of the sport which requires maximum space and at least two additional courts/sports should be accommodated therein.
vi. The line markings for each sport should be done in different colours.
vii. The flooring should be a 6mm thk PVC(or equivalent).
viii. The court should be well-lit for use during all times and the lighting arrangement should take into account the impact of glare on all sports that are planned to be played on the court.

ix. Upto height of 1.8 m (max. 2.1 m) from ground, a foam/equivalent packed wall panelling should be provided so that when the ball/players bits the wall he/she is not injured and the ball doesn't leave a mark on the wall. A skirting of 75 mm should be left between the floor and this wall panelling.

x. Colour of wall and wall panelling should be such that dirt is not easily seen.

Squash:

i. Standard Dimensions for Singles Court: 6.4 m (21 feet) x 9.75 m (32 feet) with clear height of 5.64 m (18 feet 6 inches)). The clear height shall be measured to the underside of the lowest obstruction including lights.

ii. Flooring: Maple wood floorboards (WSF certified).
   a. Sub base of IPS, with Anti-termite treatment followed by 6 mm Vapour barrier.
   b. Wooden sleepers with cushion pads below are laid on the surface.
   c. Maple wood floorboards are installed and a sealer coat applied.

iii. Court Markings: All court markings shall be 50 mm wide and contrast in colour to adjoining surfaces, all wall markings shall be the same colour and all floor markings shall be the same colour.

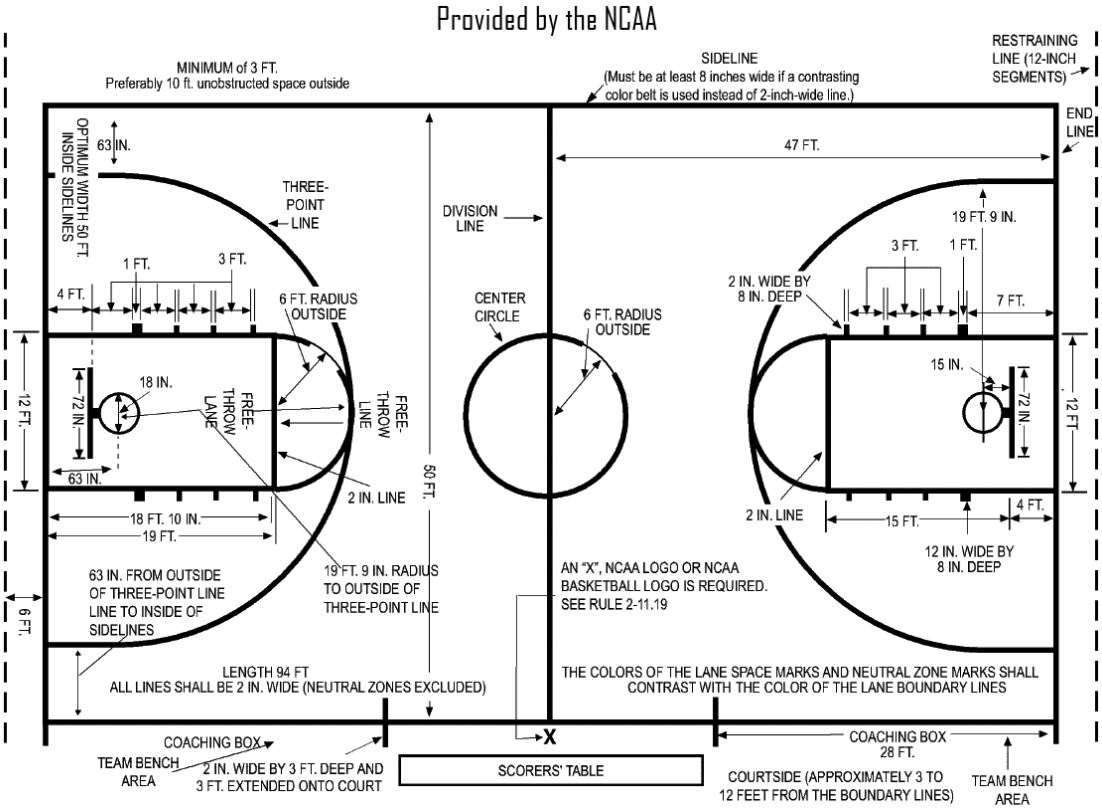
iv. Walls:
   a. The front and 2 side walls shall have a Rebound Hard Plaster coating. A 0.48 m high Tin (Sound board) to be installed at the bottom of the front wall. The Tin may have advertising, logos, club or sponsors names.
   b. The 12 mm thick toughened rear Glass Wall to have a glass door in the middle.

v. Windows: There shall be no windows or other areas of glazing over any part of the court. If windows are provided in any walls above or adjoining the court they shall be provided with blinds.

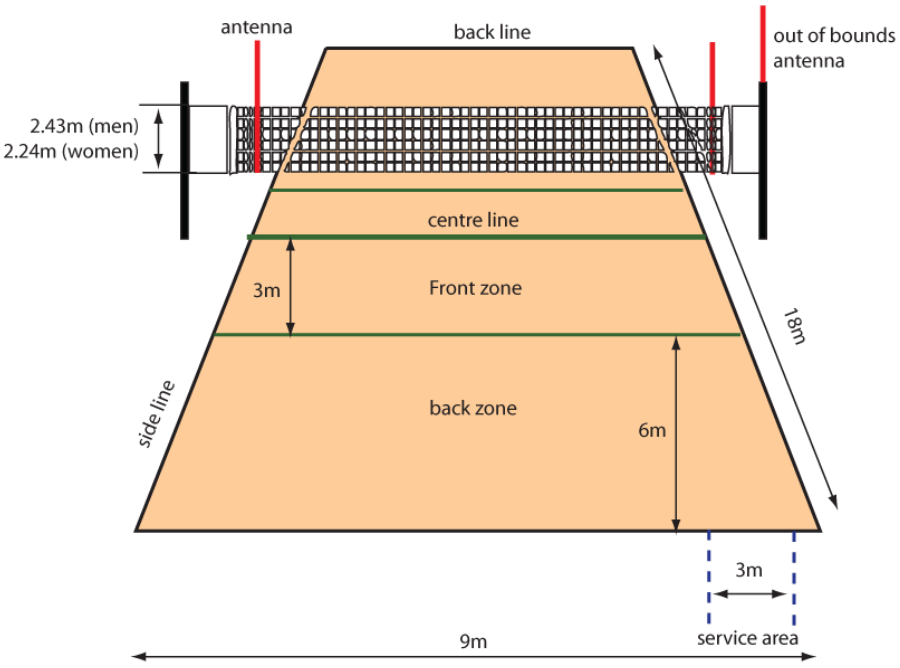
Lighting: The court shall be lit by artificial light. The minimum level of illumination measured 1000 mm above the finished floor shall be 300 lux.

Appendix:

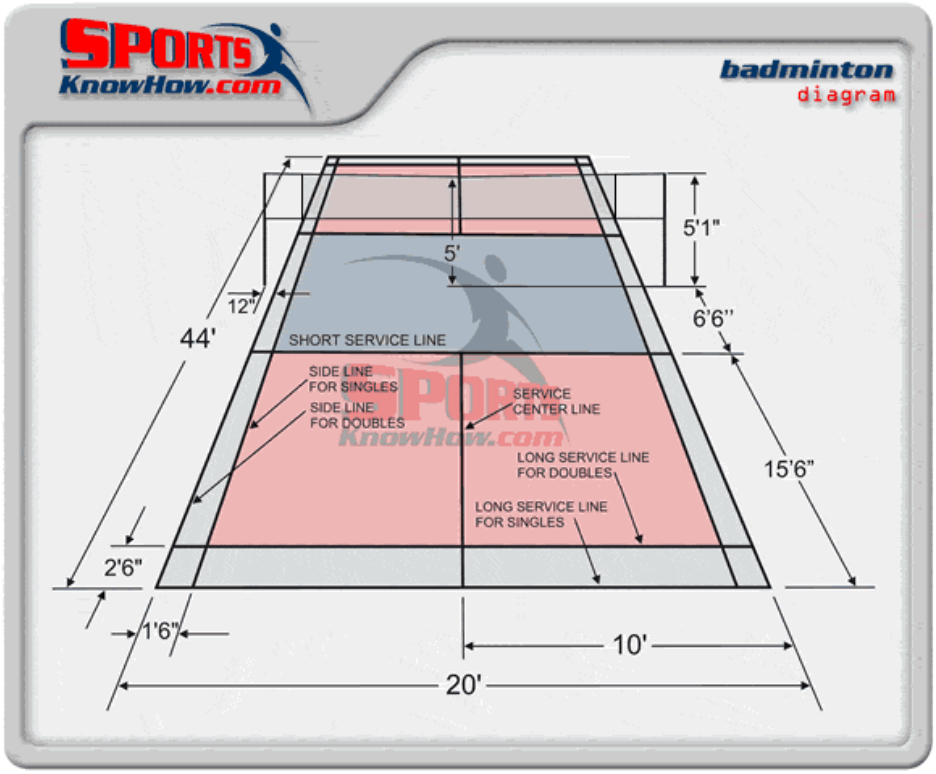
Basketball Court:



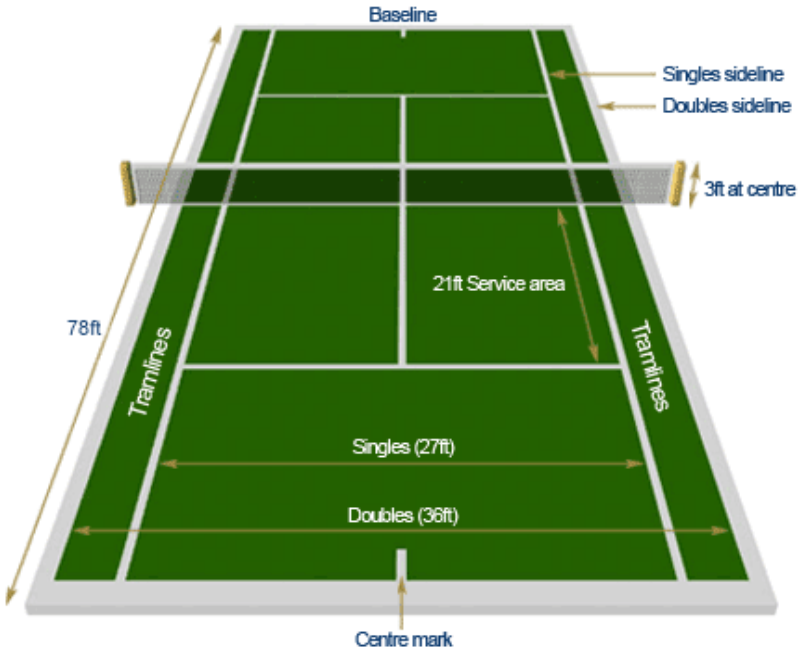
Volleyball Court:



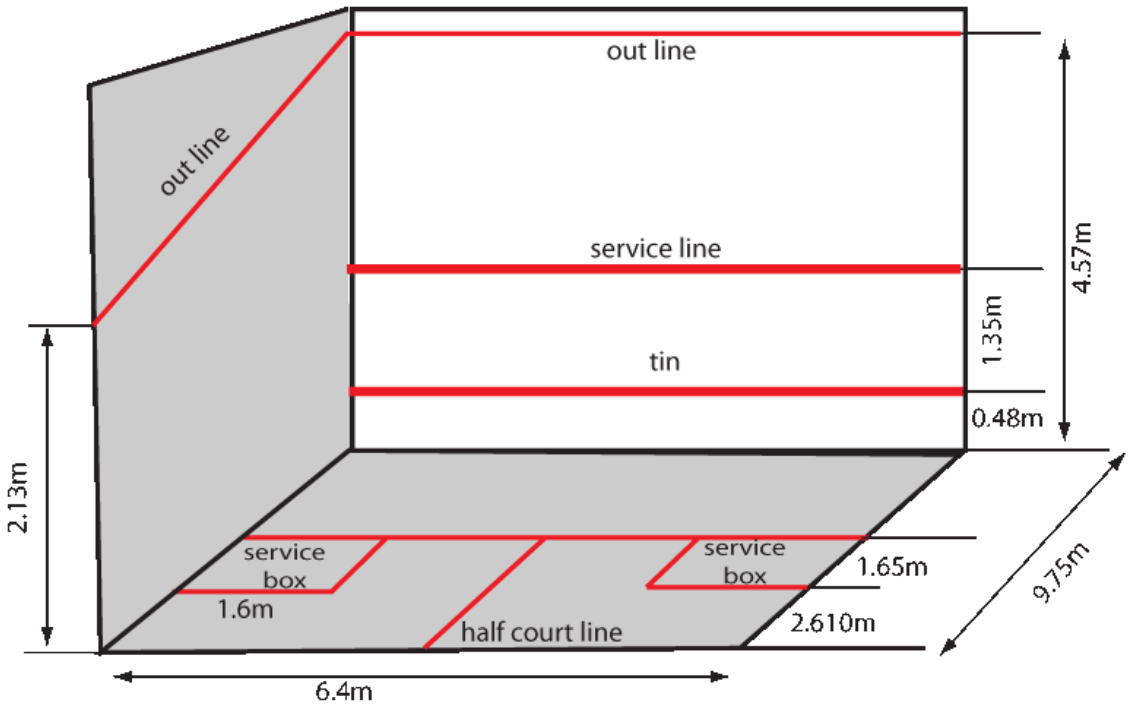
Badminton Court:



Tennis Court:



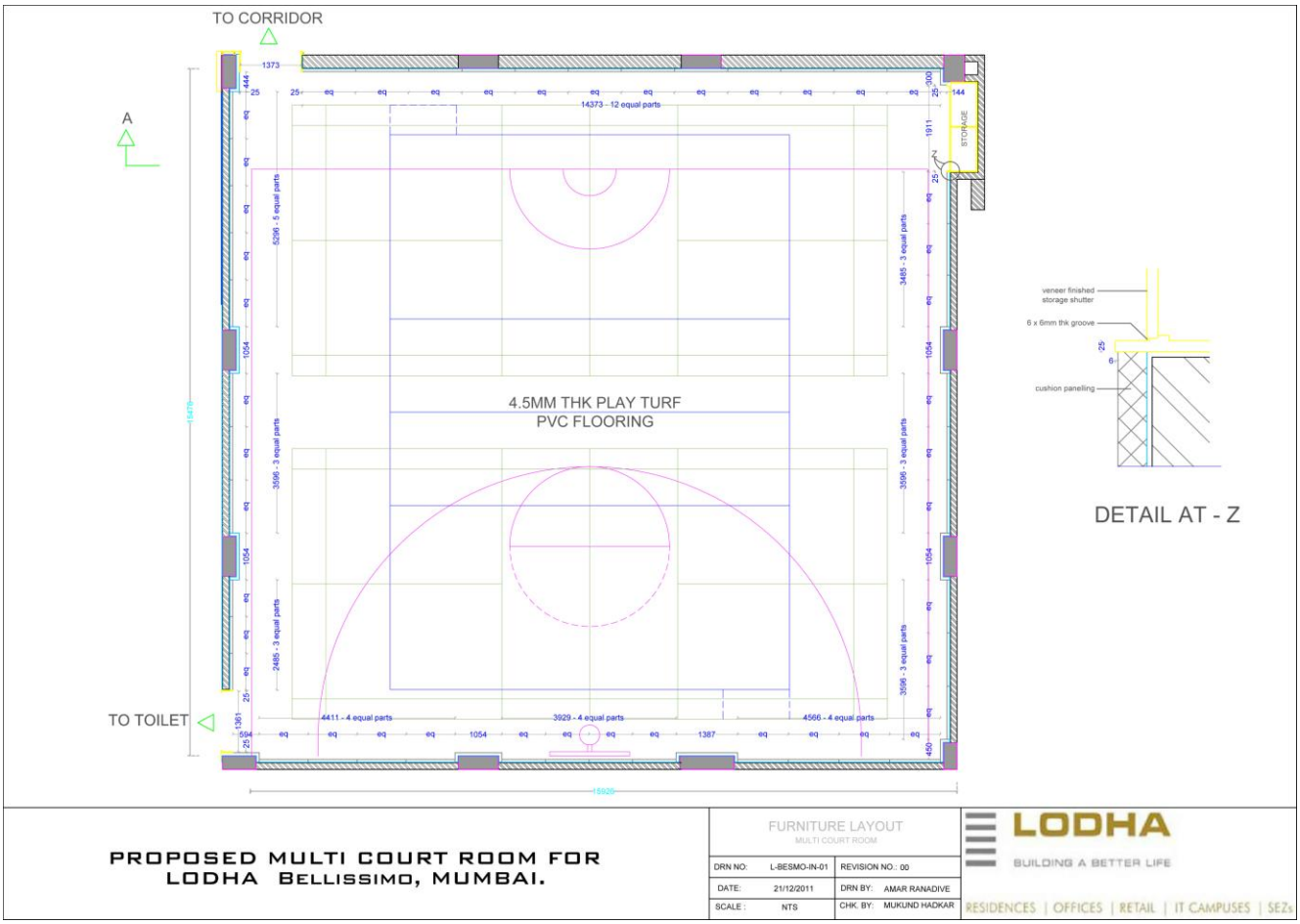
Squash Court



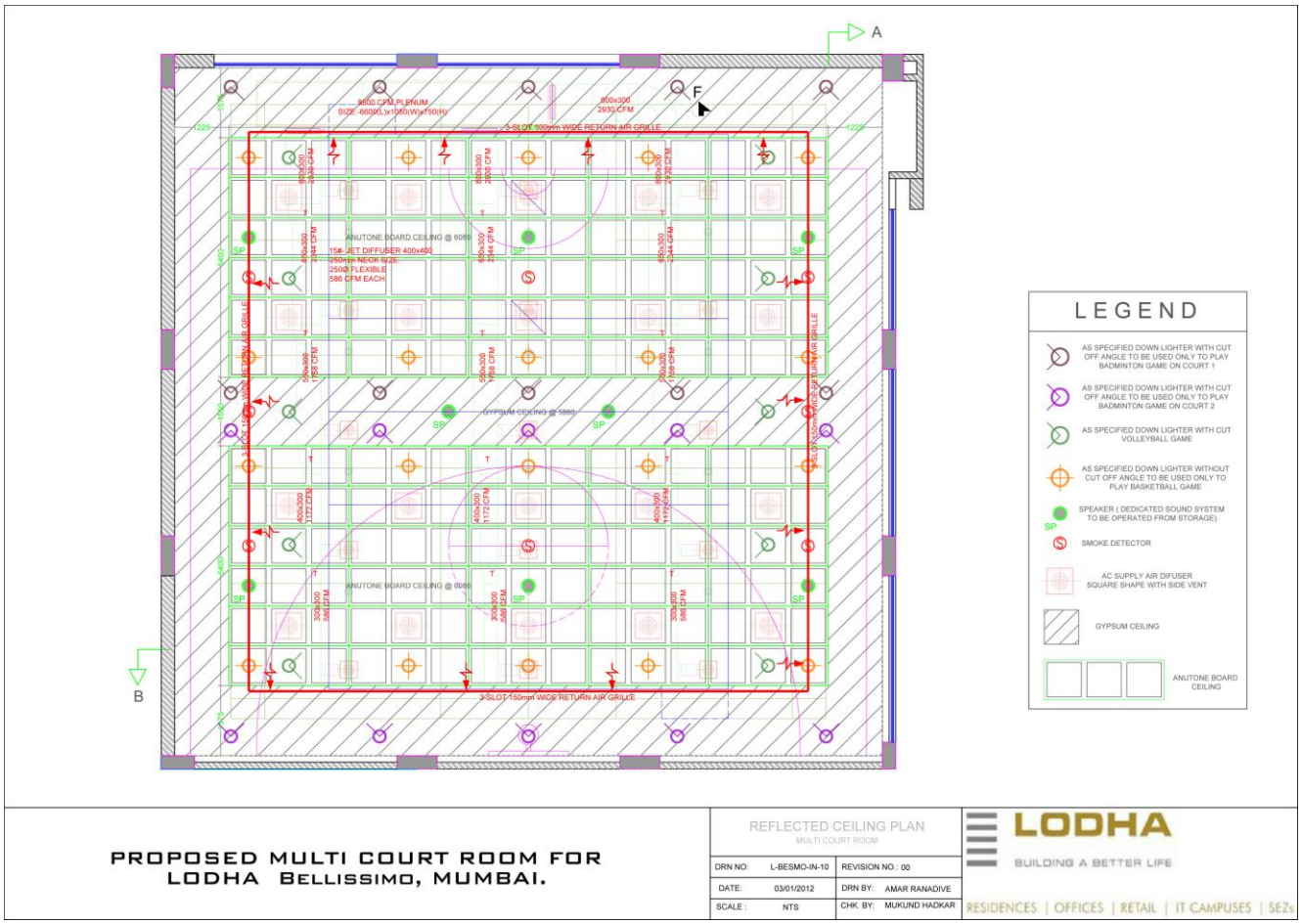
Multipurpose Hall at Lodha Bellissimo, Mahalaxmi – some details

Note: this hall was not ideally planned and has several areas of improvement in the plan. The finishing and other details are quite good. It currently accommodates a half basketball court, a volleyball court and two badminton courts. At any given time, one can play two games of badminton OR one game of volleyball or one game of basketball.

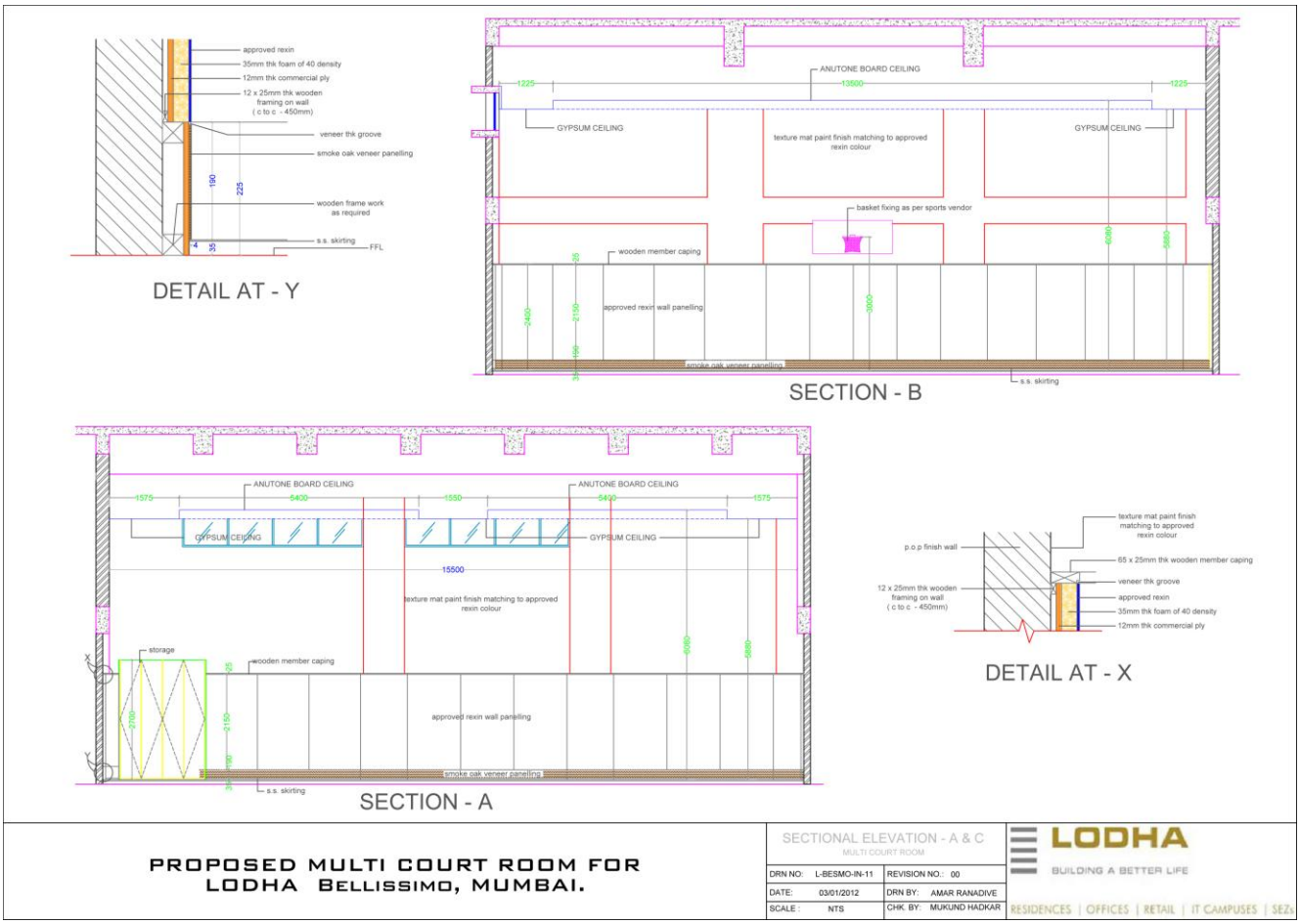
Plan



Reflected Ceiling Layout



Section



Finished Photo

