

## MEP Design of A Seven - Story Residential Apartment



**Project Type:** Residential Apartment  
**Area:** 320k Sq. Ft.  
**Services:** Drafting, Design Document Creation, MEP Design & Coordination  
**LOD:** 300  
**Location:** North Carolina, USA  
**Tools used:** Revit, AutoCAD, Excel

Designed by our MEP team, this residential building consists of seven stories including the ground floor. Our MEP team was instrumental in the development of MEP construction documents for this project. Moreover, our team worked on creating the unit plans for the building dwelling units along with the overall enlarged plans. Also included for code approval were mechanical ventilation calculations. Plumbing systems included conventional sanitary and vent stacks, domestic water riser stacks, and building storm drainage. Electrical systems included individual metering for the units along with a building main utility transformer and power distribution.

[Know more](#)

## Navratri Celebration: Employees Who Do Garba Together, Stay Together



India is a land of festivals that are very important parts of every Indian's life. Navratri in English means Nine Nights. For the Gujaratis, the nine cultural days of Navratri are everything. It's the celebration of good over evil, of being fearless and strength & courage of the various avatars of Goddess Amba. Thus, we decided to create an environment that celebrates these values at our workplace, too. To lift the spirits of our employees, we celebrated this festival filled with glory, enjoyment and cheer. We organized 'A GarbaNight' where our employees took break and danced on garba tunes with full energy. We ended up this festival with Dussehra celebration and some yummy treats. Moreover, this allowed ISPIans to interact with each other.

## Meet The Team 'House - Design'



One of our biggest teams of Architectural Designers assists hundreds of homeowners each month with unique home design plan modifications along with amazing interior and exterior renderings. The process was developed to ensure ISP's House Design Team can handle such a large-scale endeavor, and it starts from understanding and guiding clients with changes they wish to make to their pre-purchased house plans. ISP is able to understand all changes needed and quickly modify the plans to accommodate a variety of custom home changes from extending rooms, adding screen porches, modifying interior layouts, all the way to adding garages onto the existing house plans. After successfully completing several hundred redesign projects, ISP is ready to scale the team to help even more homeowners as the US market for home construction is at an all-time high.

## Employees First - Vaccination Drive



We believe in creating a safe & healthy environment at workplace. To fight this Covid Pandemic and ensure safety and good health of our employees, ISP organized Vaccination drive at the office. The vaccination process was conducted under strict Covid protocol. Now, each and every employee is vaccinated in ISP. The HR Team was present during vaccination to facilitate and oversee the convenience of the beneficiaries.

## Our India Office Has Turned Three

In three short years, ISP has come a long way in serving clients around the US with World Class AEC Production Support. As our team grows close to 250 by year's end, the journey has truly been amazing. We look forward to achieving more milestones along with helping our amazing clients with growth in the coming future. A big round of applause for all the fantastic employees who made this company incredible. And a very big Thank You to all of our amazing clients.

Cheers to the future!



## Atal tunnel: World's Highest Altitude Tunnel



Man-made marvels such as bridges, tunnels, and skyscrapers are feats of engineering, created to make life much easier and the Atal Tunnel is one of those engineering marvels of India. The Atal Tunnel was inaugurated in October 2020 at an altitude of above 10k feet in Rohtang which is the world's longest highway tunnel. It is built under the Rohtang Pass in the eastern Pir Panjal range of the Himalayas on the Leh-Manali Highway. At a length of 9.02 km, it is the longest highway single-tube tunnel in the world. Both the Leh-Manali Highway and the Nimmu - Padum - Darcha road routes will become all-weather roads by this tunnel.

The Tunnel has a system of separate ventilation ducts for fresh air, fire-fighting systems and solutions controlled by SCADA, fire hydrants at every 60 meters, turning cavern at every 2.2 km, and illumination. It also has two monitoring systems at both ends of the tunnel to analyze the movement of the vehicle and keep a view on pollution control. The most challenging task was to continue the excavation during heavy snowfall in winter. However, as Rohtang pass closes during the winter, the north portal was not accessible during winter and the excavation was being done only from the south portal in winters. Only about one-fourth of the entire tunnel was excavated from the north end and three-fourths was excavated from the south end. There were more than 46 avalanche sites on approaches to the tunnel.

[Know More](#)

## How Many Words Are You Able To Find?

U F R P V X D O T O  
 T M Y O S A C F I Y  
 M S U D C I O R V J  
 M U W O N U I J E O  
 L X T X R O R U R Y  
 J U A R C H I C A D  
 A N F L R L H M A V  
 T L E X A G B D U U  
 C T F I Z U O T P L  
 S K R O W S I V A N

The winner of this puzzle is **Jaydeep Savani** from the MEP department. Congratulations Jaydeep!

## ISP's Recommendations



ISP's this month's recommendation will be BDC's article for all architects and engineers out there.

**#DoYouKnow** about the 40 West 12th residential tower opening in Atlanta's Midtown neighborhood?

[Read the full article](#)

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