

JULY 2020

IN THE MAKING

**Our Manoeuvre in
'Isolation! '**

**ToVP Architecture Department ,
Pune.**



A good design must primarily serve people.

FROM THE HEAD ARCHITECT'S DESK



DESIGN-

Design can be Art.. Design can be Aesthetics. Design can be Content and design can be Space , Light and Order. There cannot be simple definition to design

Architecture is a powerful narrative – The building with its motifs tell the story of the character, the setting, the personality for Whom this magnificent temple is up.

After finalization of the design, the mock up forms an important criteria prior to execution.

Utilizing the lock down period, our team and its extended arms have worked upon exquisite samplings of marbles, inlays, gold finishes, sandstone carving completion with the traditional staphis of Rajasthan area.

Please read on for a pictorial and details.

Ar. Varsha Sharma
(Vilasini dd.)

MOCK UP WORKS DURING THE LOCKDOWN

1

MARBLE

For the presence of peace
purity, power and fierceness
Representation of loyalty,
open spaces and freedom.

1. Vyasasana
2. Altars



2

SANDSTONE

Pink sandstone is used in
multiple areas including

1. Railings
2. Balustrades
3. Columns
4. Arches, Cornices
5. Shrines





MARBLE

Most of the construction works and techniques that are involved with the making of the ToVP have been unique to itself.

And marble being one of them, the Architects worked closely with the Stapathis regarding the carvings, inlaying, metal works and joinery techniques, to come up with a design suitable for the language of the building as well as the compatibility of the material. During the time of the lockdown, we conducted a series of Mock ups.

Some live samples of these mock ups are explained in the few pages ahead.

1. Main Altar

2. Festival Altar

3. Vyasasana



Carvings and Inlays

FESTIVAL ALTAR



Mock Up depicting semi precious stone inlays on White Vietnam Marble.

Every new design begins with thorough research. We carried out a series of visits and finalised on the following

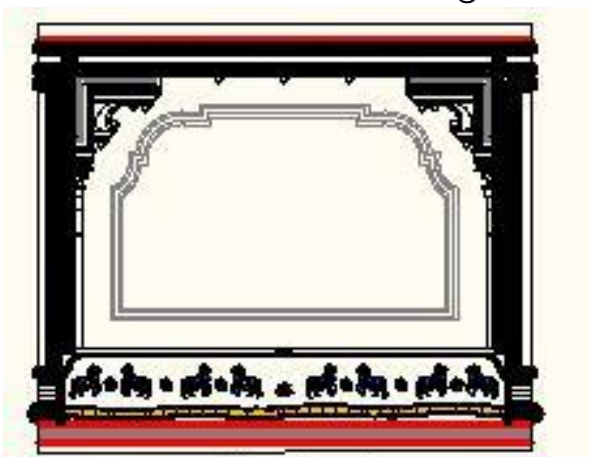
- 1. Red Marble- Jasper**
- 2. Blue Marble- Lapis**
- 3. White Marble - Vietnam**

- The vendors took their time to work out specifications and solutions for the crafting of the designs on the said marbles.
- Post which a series of mock ups was provided by the Stapathis with only the available materials since traveling around the globe to procure materials at the moment is difficult.
- And even beyond the complexity of the process we have successfully completed a final round of mock ups, all awaiting for installation now.

ON THE DRAWING BOARD

STEP 1

Architectural Drawing



STEP 2

Visualization





Carvings and Inlays

MAIN ALTAR



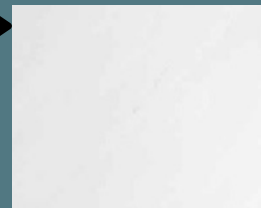
A mock up of the Inlaying work showing the following marbles-



Blue Marble- Lapis



Red Marble- Jasper



White Marble – Vietnam

Mock up of Cow Motifs intricate inlays with semi precious stones on White Vietnam Marble

ON THE DRAWING BOARD

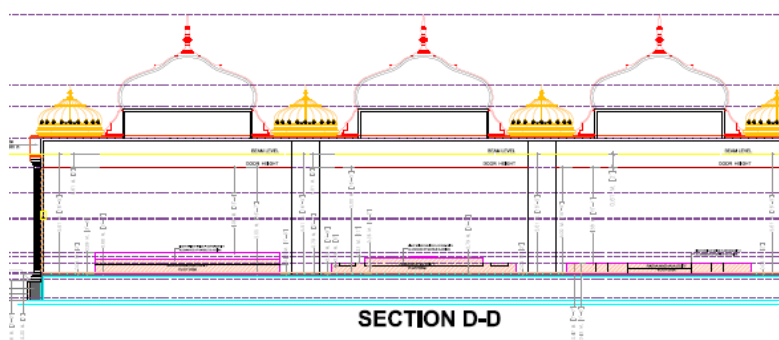
STEP 1

Architectural Drawing



STEP 2

Visualization





Carvings and Inlays

VYASASANA MOTIF



The heavy marble carving and inlaying work is an arduous procedure and needs multiple brains at work. Hence members from the design team, construction team and vendors have been working together for quite some time to develop a suitable solution to the design requirements.

Mock Up depicting marriage of Gold and Lapis on Vietnam White marble

ON THE DRAWING BOARD

STEP 1

Architectural Drawing



STEP 2

Visualization





Carvings and Inlays

VYASASANA FLOOR



Glimpses of Discussions with
Stapathis in Mayapur and Pune.



Carefully crafted mock up of
the Vyasasana Flooring

ON THE DRAWING BOARD

STEP 1

Architectural Drawing



STEP 2

Visualization



2

SANDSTONE

The Country has been in a major Lockdown for almost half a year, including the State of Rajasthan, from where most of our sandstone works are produced.

While most of the states were locally confined, the moment there was some release with the isolation rules, the Stapathis took up works on the ToVP on priority.

As a result of which majority of the listed sandstone items have been produced and stored in the backyard and ready for installation.

The following items are ready in the go down of the Stapathi's-

1. **Balustrades-540**
2. **Railings - 56**
3. **Columns-56**
4. **Arches-20**
5. **Garuda-Ongoing**



Parts and Parcels of the ToVP in the Backyard of Rajasthan!!

BALUSTRADE



**540 SETS READY!
WAITING TO BE SHIPPED**

The past 5-6 months have been a game changer in every aspect of the stereotypical way of living.

For a project like the ToVP where every element has a dependency all around the world, and the world coming to a standstill of a sort, we achieved various pre cast developments with the available materials.

A few more items have been listed in the pages to come.

Final Product

ON THE DRAWING BOARD

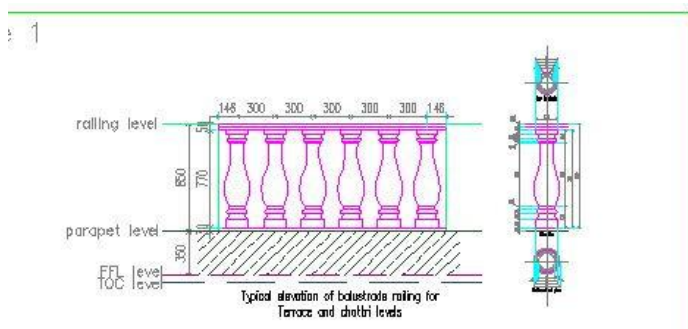
STEP 1

Architectural Drawing



STEP 2

Visualization





From the desk to the site

RAILINGS



Final Product

**56 SETS READY!
WAITING TO BE SHIPPED**

ON THE DRAWING BOARD

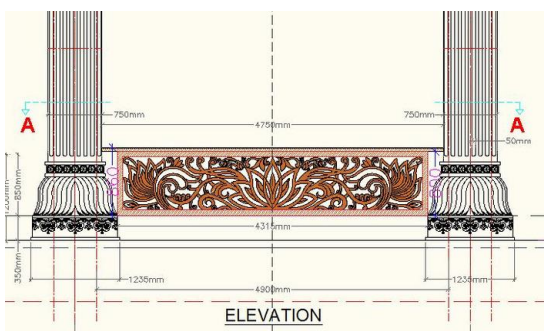
STEP 1

Architectural Drawing



STEP 2

Visualization





From the desk to the site
COLUMNS



**56 SETS READY!
WAITING TO BE SHIPPED**

Final Product

ON THE DRAWING BOARD

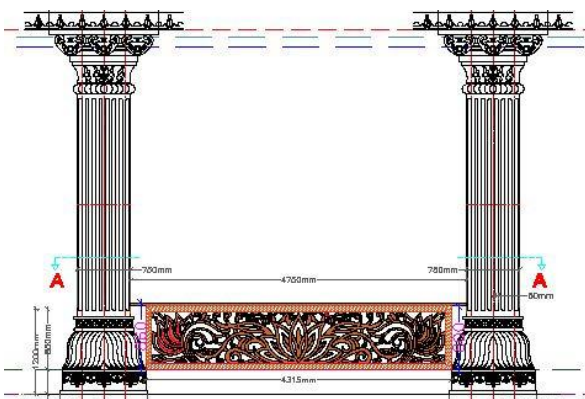
STEP 1

Architectural Drawing



STEP 2

Stapathi Execution, Element Wise





From the desk to the site

ARCHES



Final Product

**20 SETS READY!
WAITING TO BE SHIPPED**

ON THE DRAWING BOARD

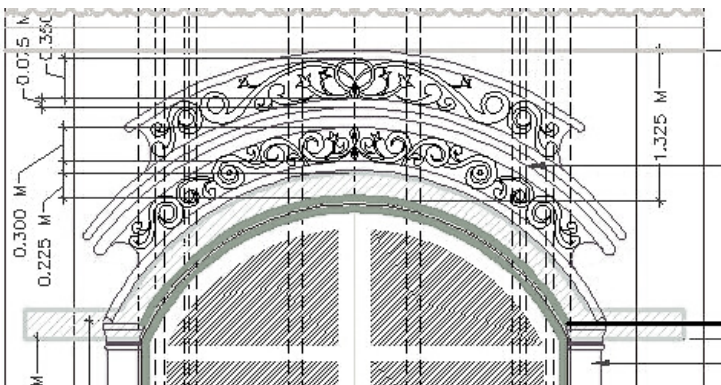
STEP 1

Architectural Drawing



STEP 2

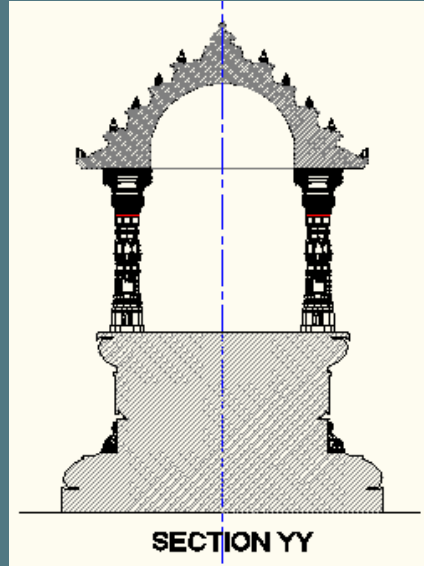
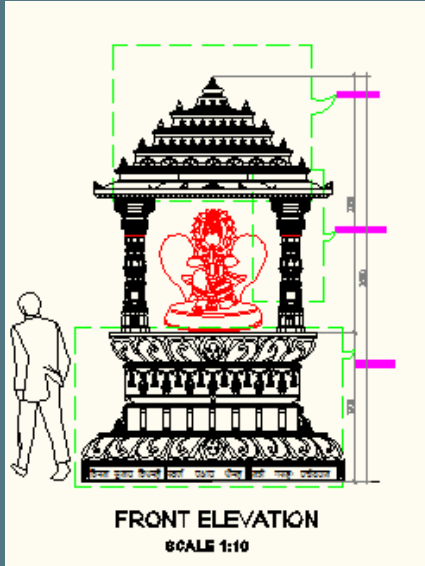
Visualization





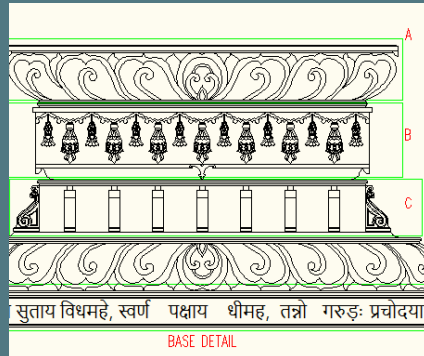
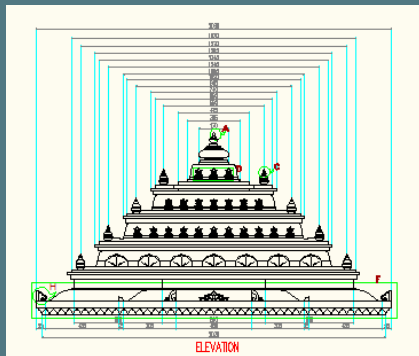
In Progress

GARUDA



Just before the rampant virus hit us, we were in talks and working on the design of the Garuda. We discussed the design with Dr. Maniyar in order to achieve the right statistics on load calculations.

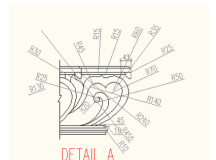
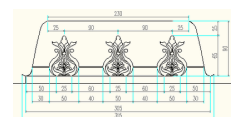
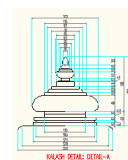
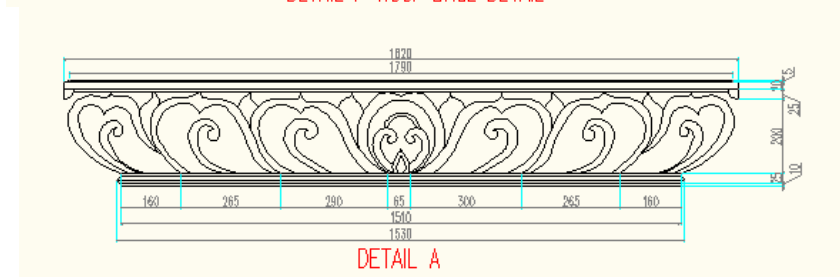
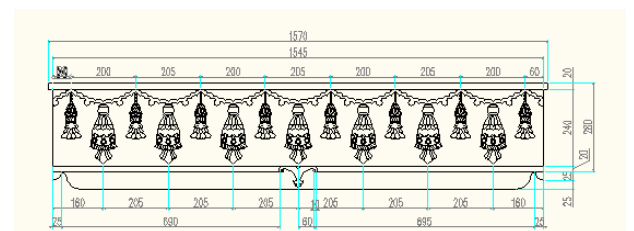
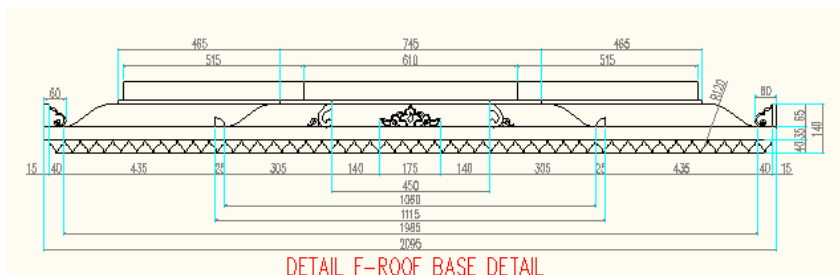
We are now through with the drawings and the Staphis will begin with their production very soon.



Final Drawings

ON THE DRAWING BOARD

Architectural Drawing and Details



THE ART OF MOCK -UPS

- Understanding the design in 3-dimensions
- Testing joinery, finishes, colours and stability

Mock-ups allow us to develop solutions that accommodate the technology, as well as the people who use it.

With a building such as the TOVP with complex in designs and facades and new materials being designed to interact with each other, it is more important than ever to build and test mock ups. Perhaps the largest benefit to the mock up is the lessons learned from failures discovered through the various types of tests performed. It is here in the failures that we as architects and engineers learn how to construct and design better buildings and create easier “dummy – proof” details.



Constructing and thoroughly testing a building design element mock up provides assurance the specified materials will function as designed under maximum loads and conditions, that difficult details are able to be properly constructed. This process helps establish the proper installation sequence of materials and ensures the accuracy of the construction schedule.

Finally, mock ups provide installers an understanding of potential issues and causes of failures from “normal” or traditional installation techniques prior to assemblies being constructed on the actual building.