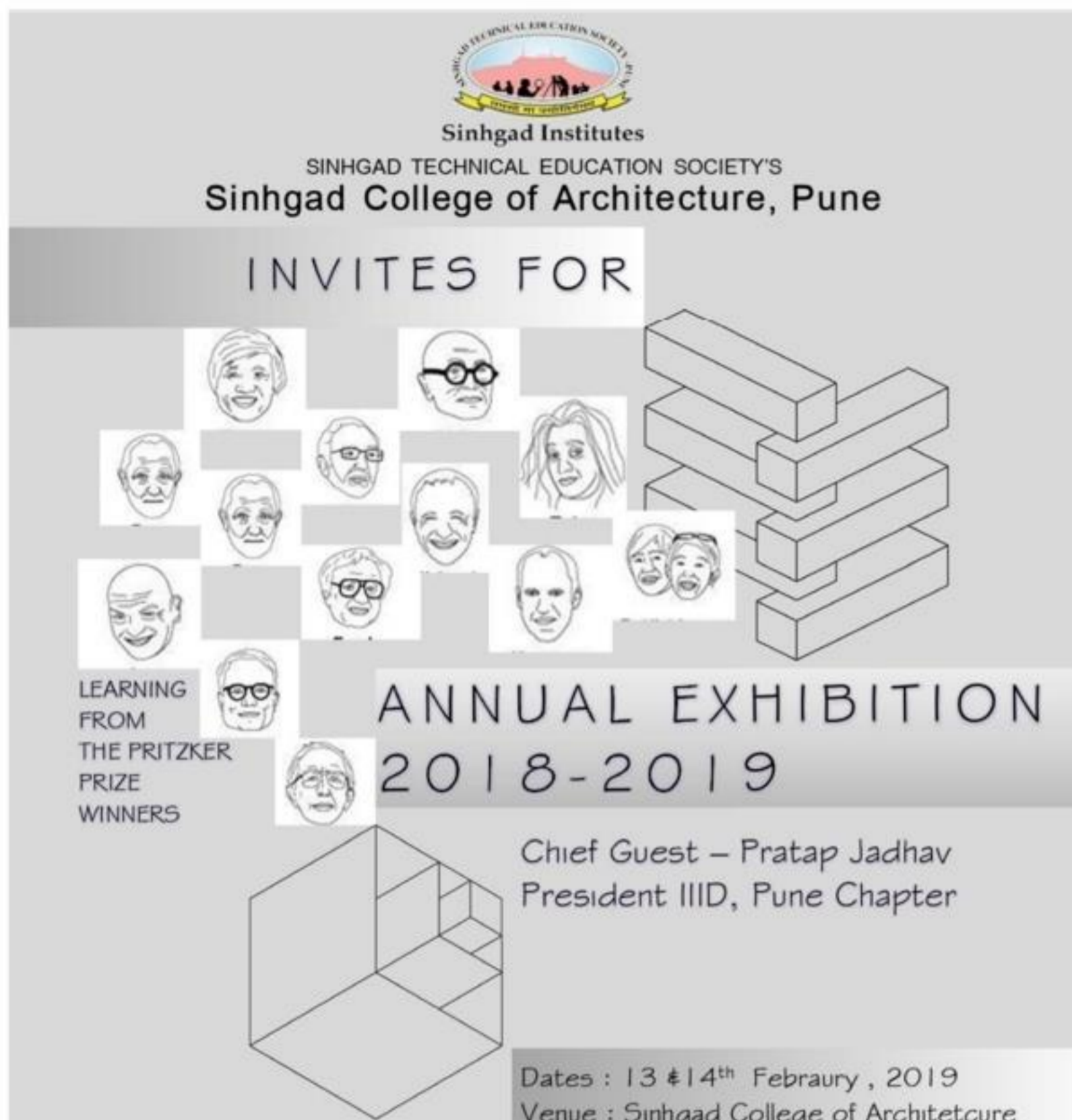


**Theme – LEARNING FROM THE PRITZKER PRIZE WINNERS**



Sinhgad Institutes  
SINHGAD TECHNICAL EDUCATION SOCIETY'S  
Sinhgad College of Architecture, Pune

INVITES FOR

ANNUAL EXHIBITION  
2018-2019

Chief Guest – Pratap Jadhav  
President IIID, Pune Chapter

Dates : 13 & 14<sup>th</sup> February , 2019  
Venue : Sinhgad College of Architecture

EXHIBITION COORDINATORS  
ANUJA INAMDAR

STUDENT EXHIBITION COORDINATOR  
VIVEK AJMIRE, UTKARSHA CHAPEKAR,  
MANAS GHULE, TANMAY SAWANT, KARTIK

Prof. M.N. Navale  
ME(Electrical), MIE, MBA,  
Founder President

Dr. (Mrs) Sunanda Navale  
B.A, M PM, PhD  
Founder Secretary

Dr. Rohit Navale  
Vice President, HR

Mrs. Rachana Navale  
Ashtekar  
Vice President (Admin)

Dr. Banani Banerjee  
Principal, SGOA

**Theme – LEARNING FROM THE PRITZKER PRIZE WINNERS**

Our **Chief Guest** Mr. Pratap Jadhav, National President of IIID

The theme of the exhibition was retrospective learning from selected architects who had been awarded the Pritzker Prize. The Exhibition was inaugurated by Mr. Pratap Jadhav, He presented his works as well as contributed with his valuable thoughts to the students.

The Exhibition was divided into two parts, students works and theme panels.



Chief Guest **Mr. Pratap Jadhav**, National President of IIID inaugurating the Exhibition



Display of Academic models



Judging of the Photography panel



Display of Academic work

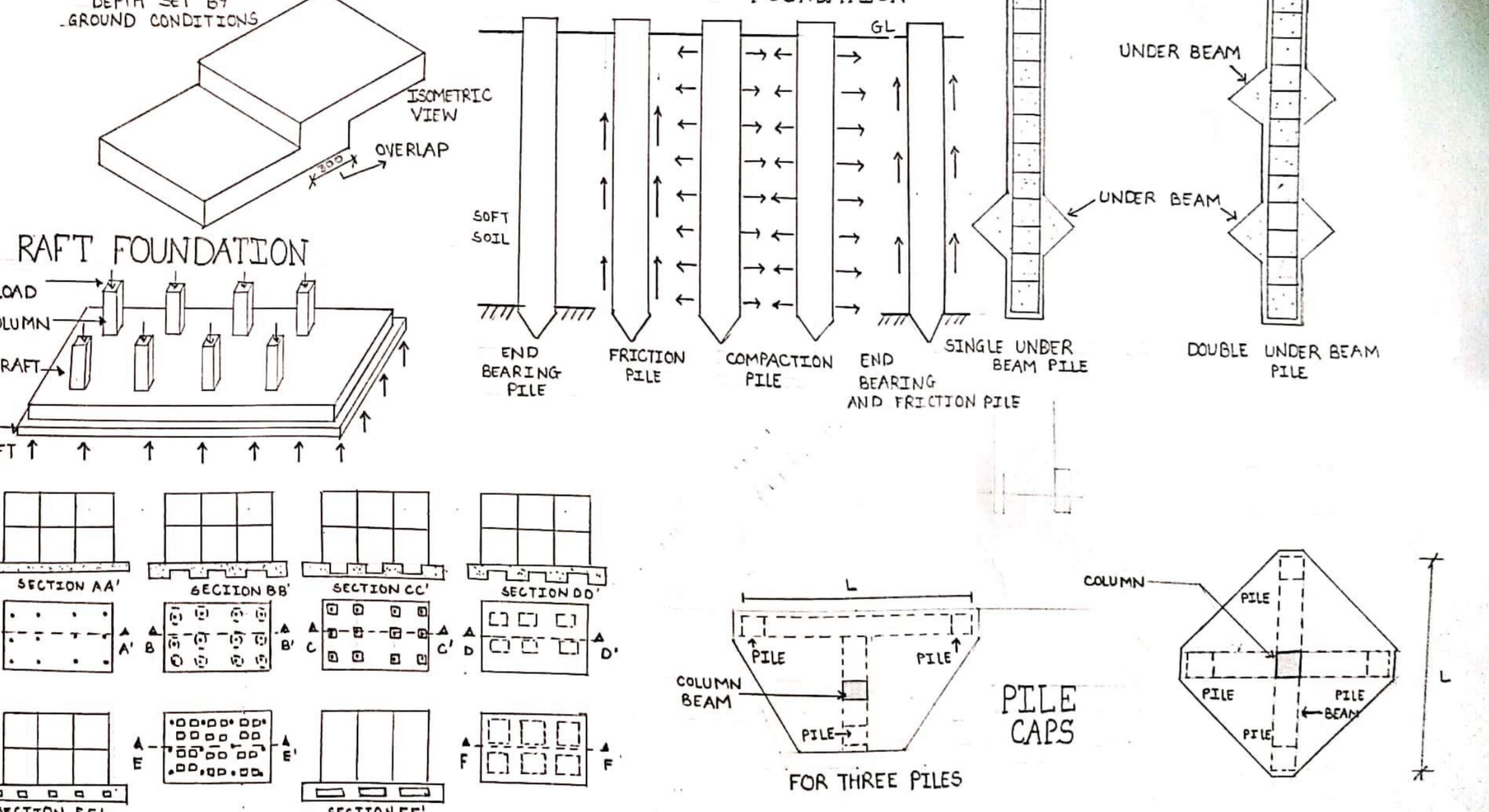
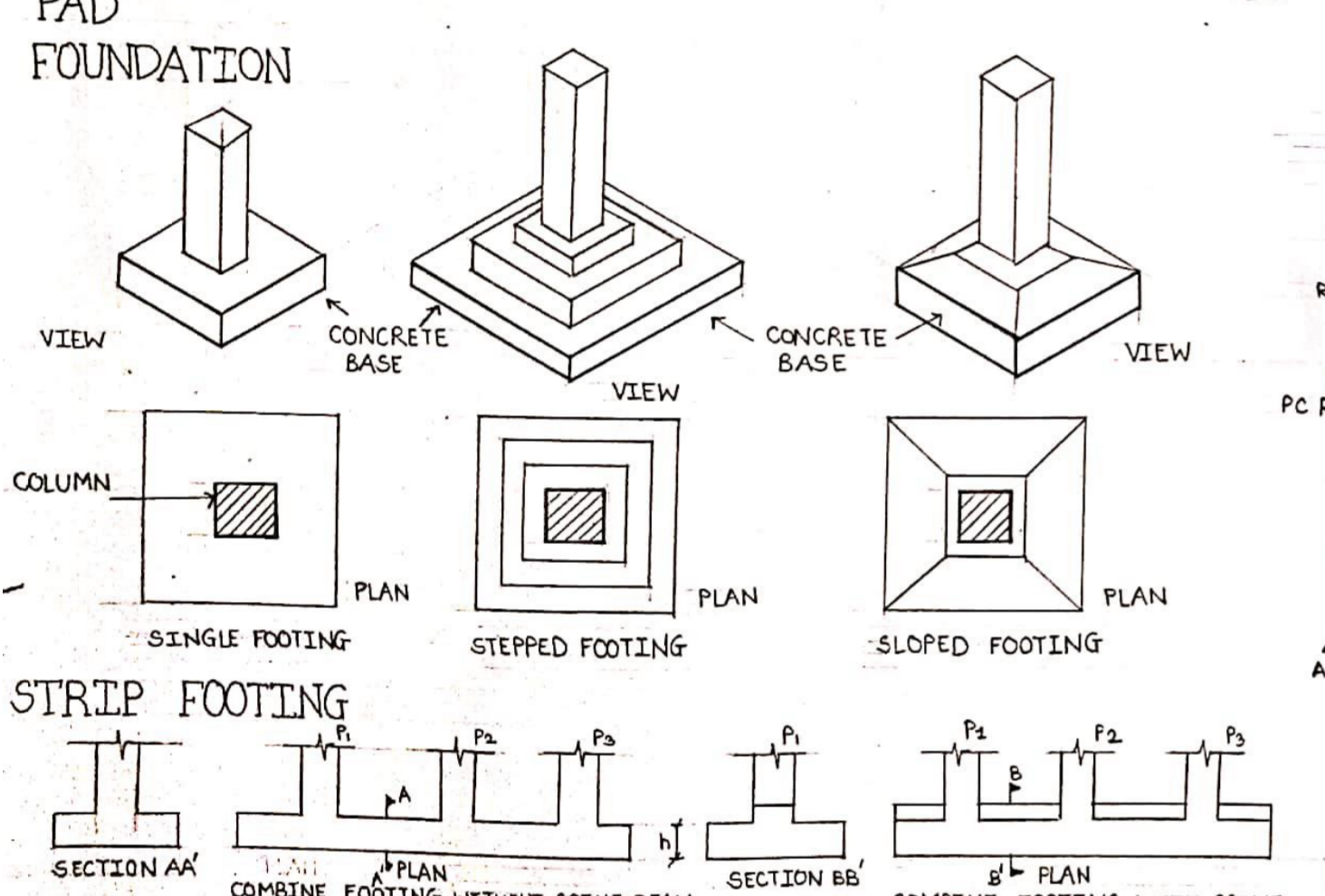
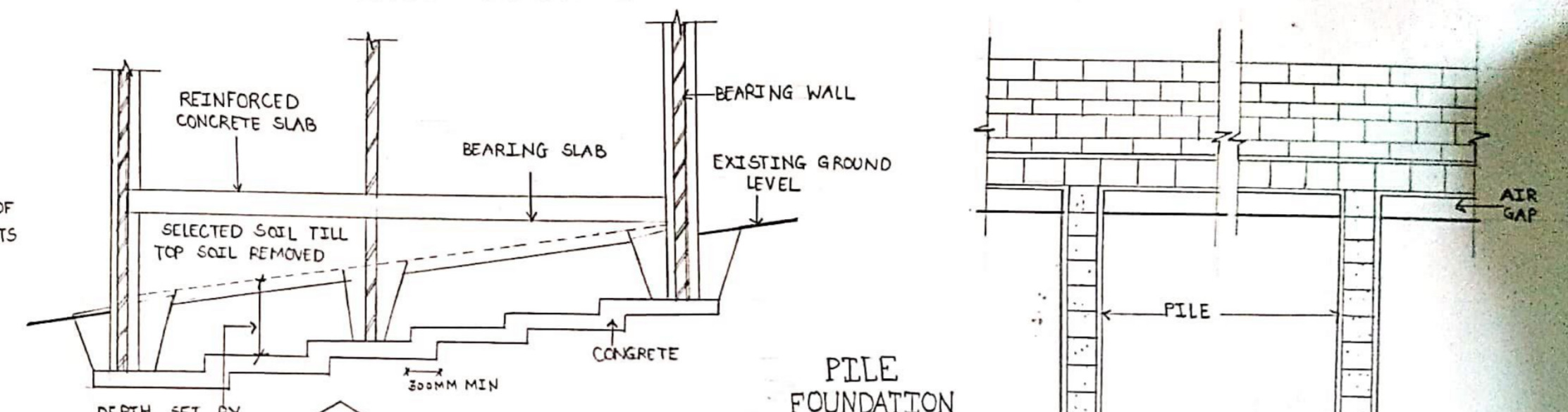
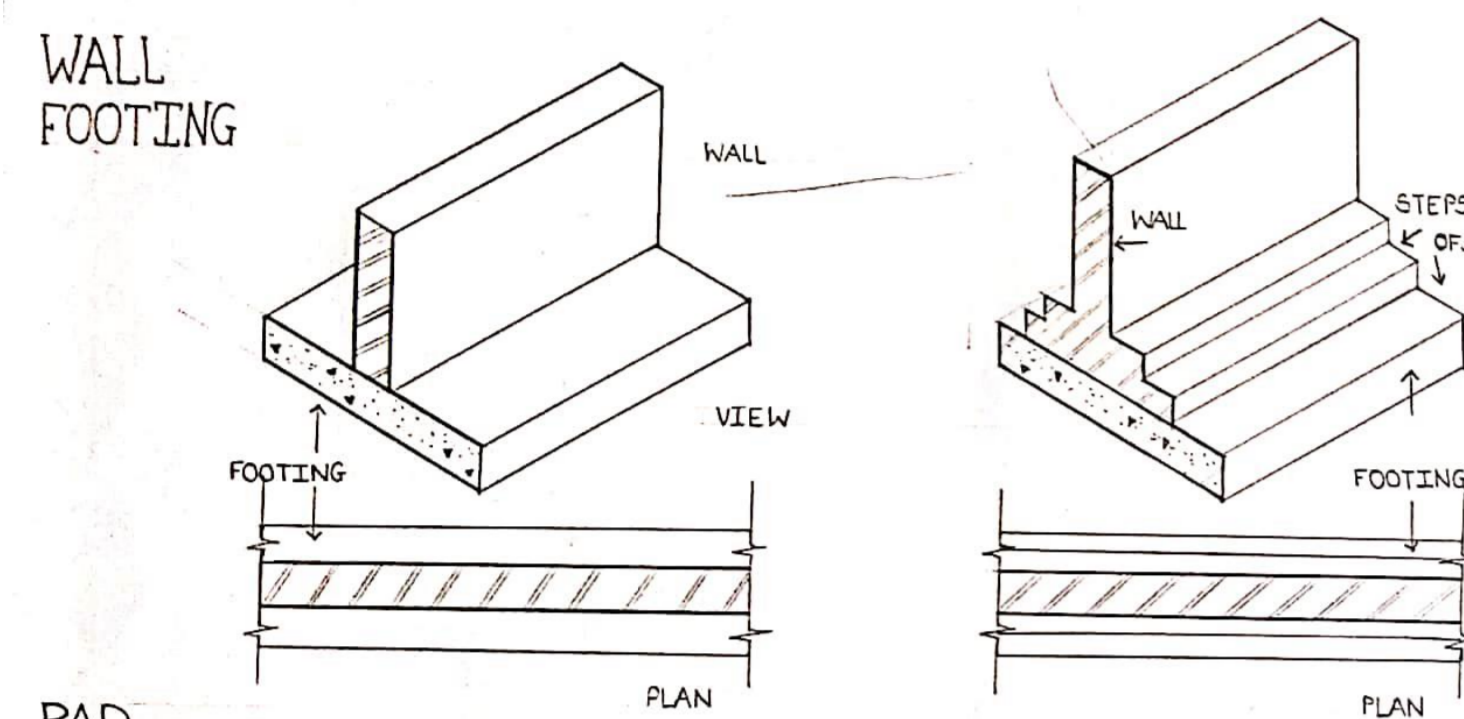
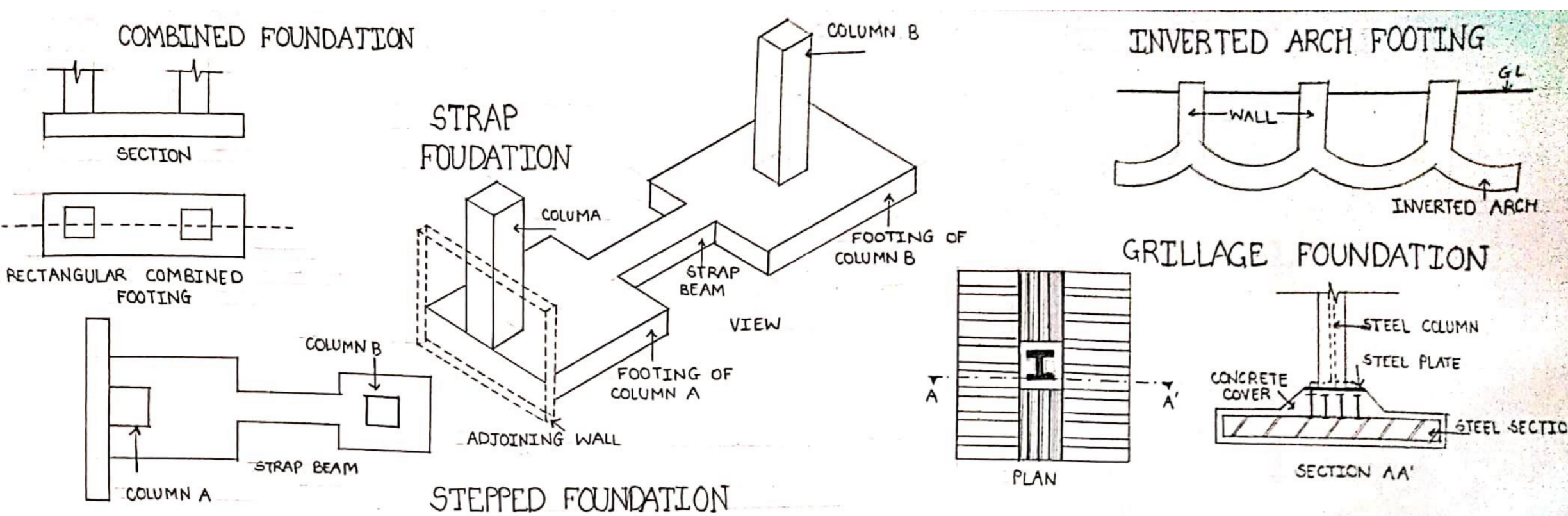
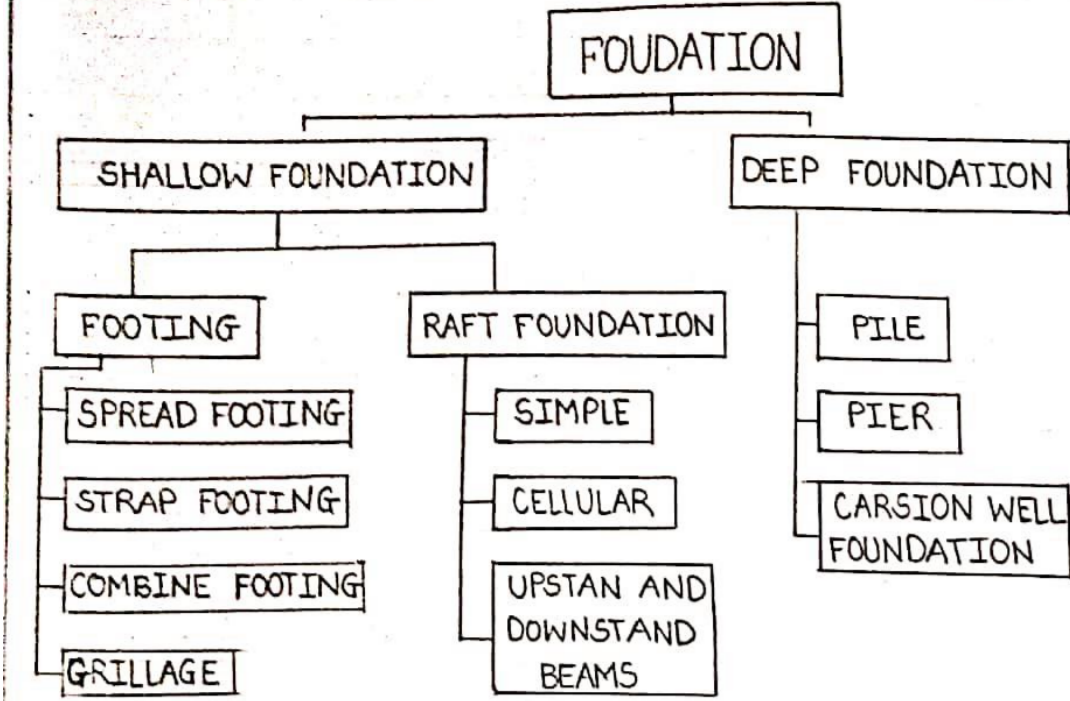


1<sup>st</sup> Year B.Arch TERM I 2018-2019

**ARCHITECTURAL DESIGN I**

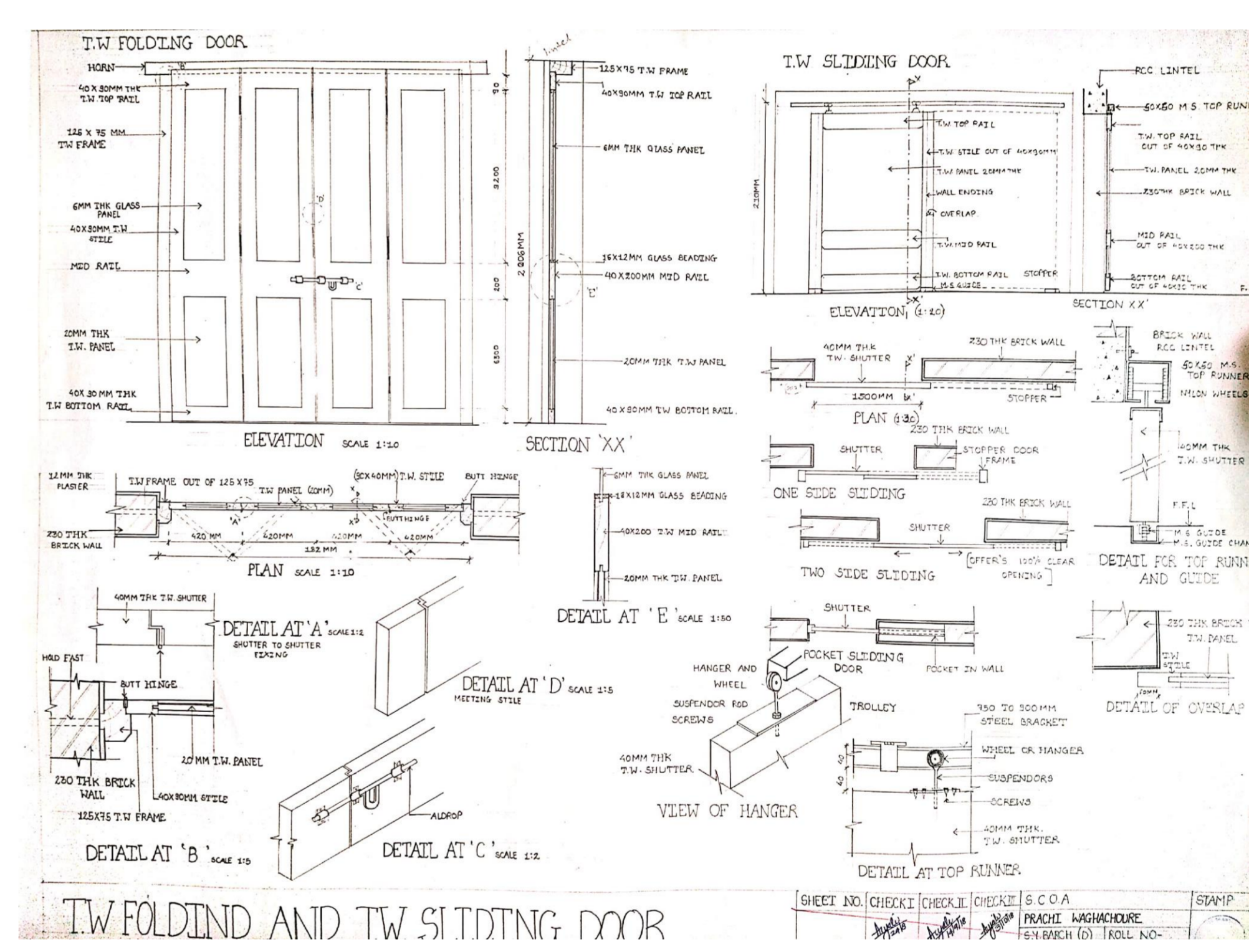
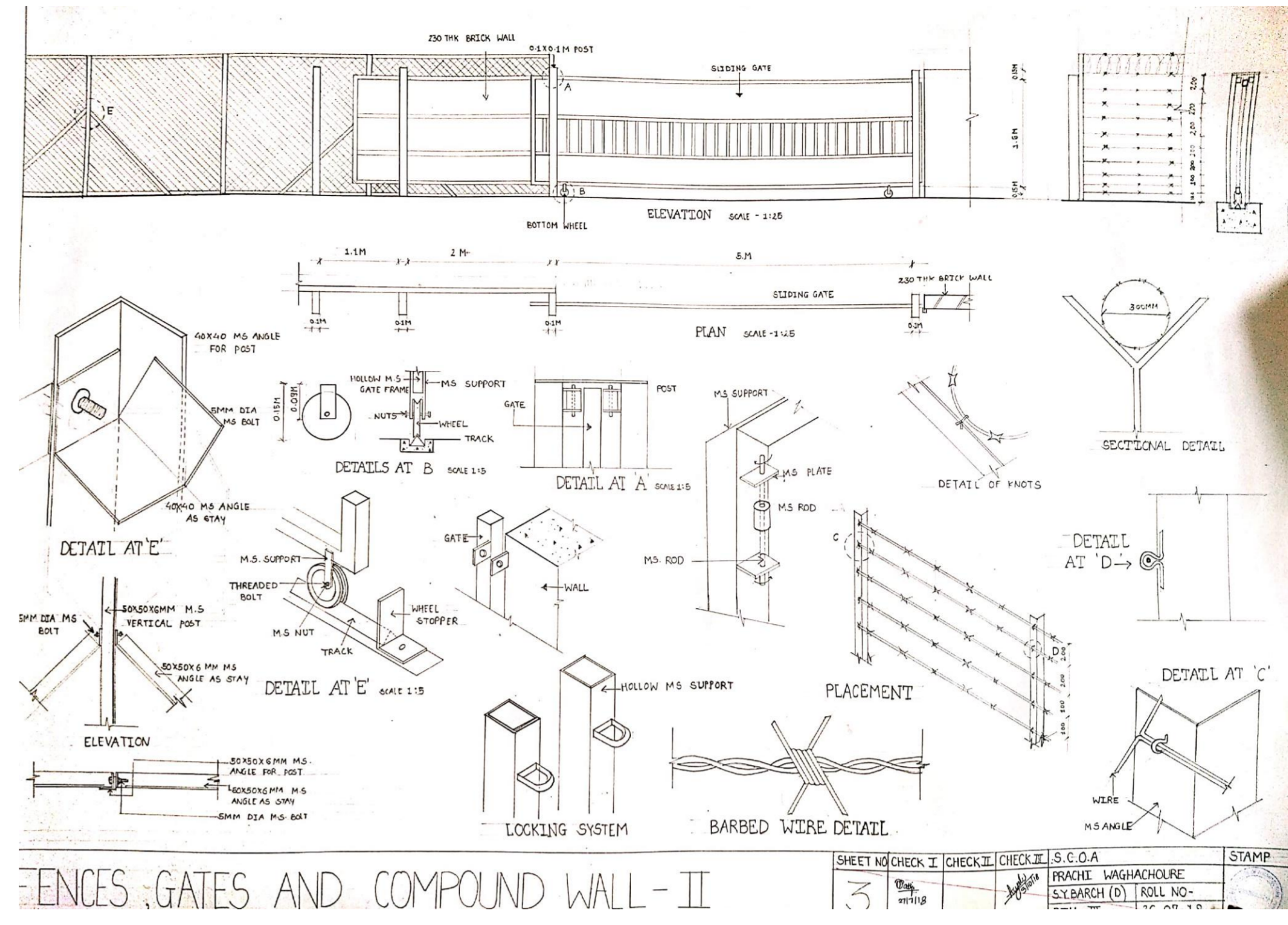
Sinhgad College of Architecture, Pune

# CLASSIFICATION OF FOUNDATION



FOUNDATIONS - SHALLOW AND DEEP

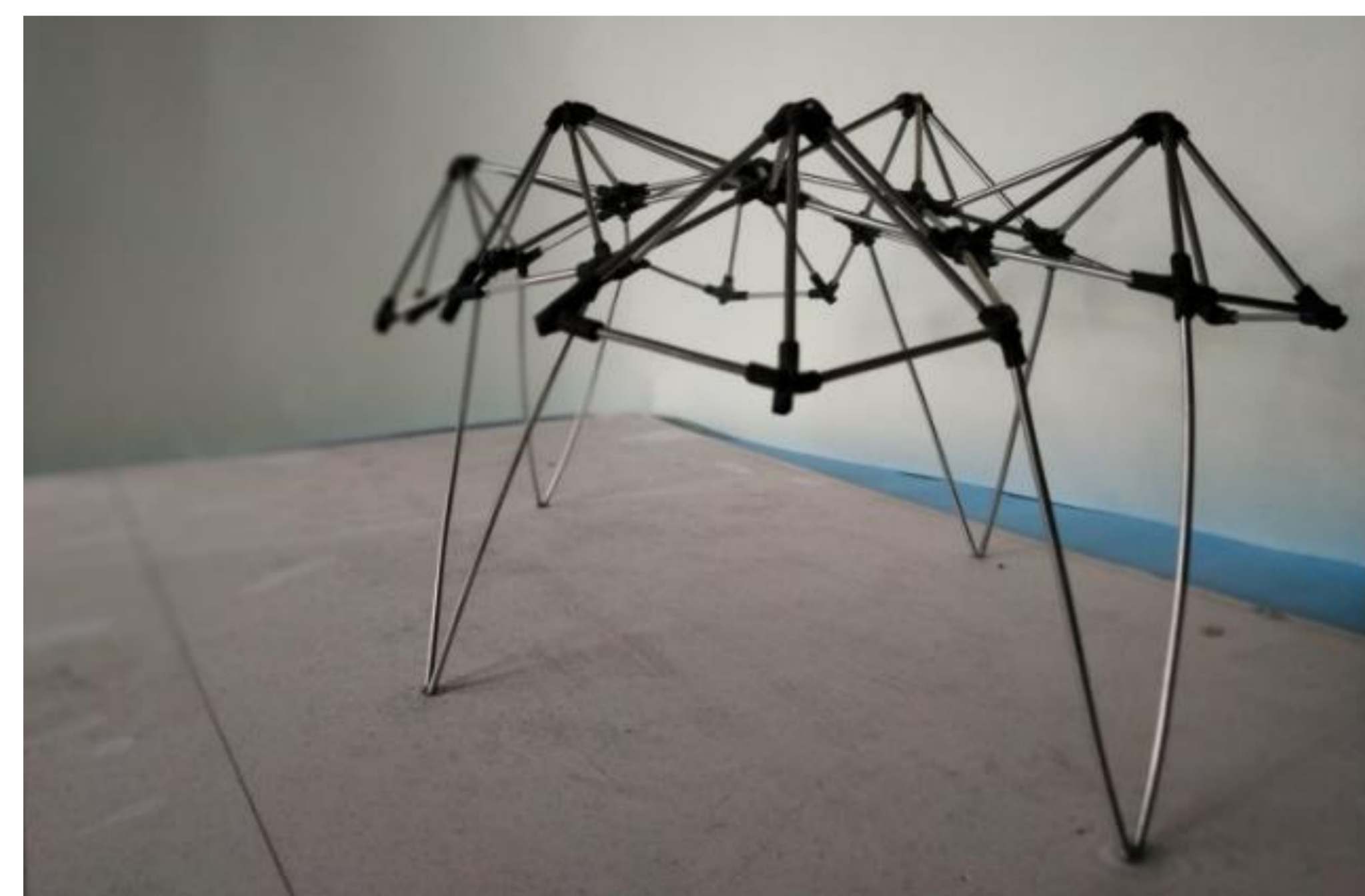
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<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	PRACHI WAGHACHOURE	
			F.Y.BARCH (D) ROLL NO- BTM-III 15-06-18	



1st Year B.Arch TERM I 2018-2019

**BUILDING TECHNOLOGY AND MATERIALS**

Sinhgad College of Architecture, Pune

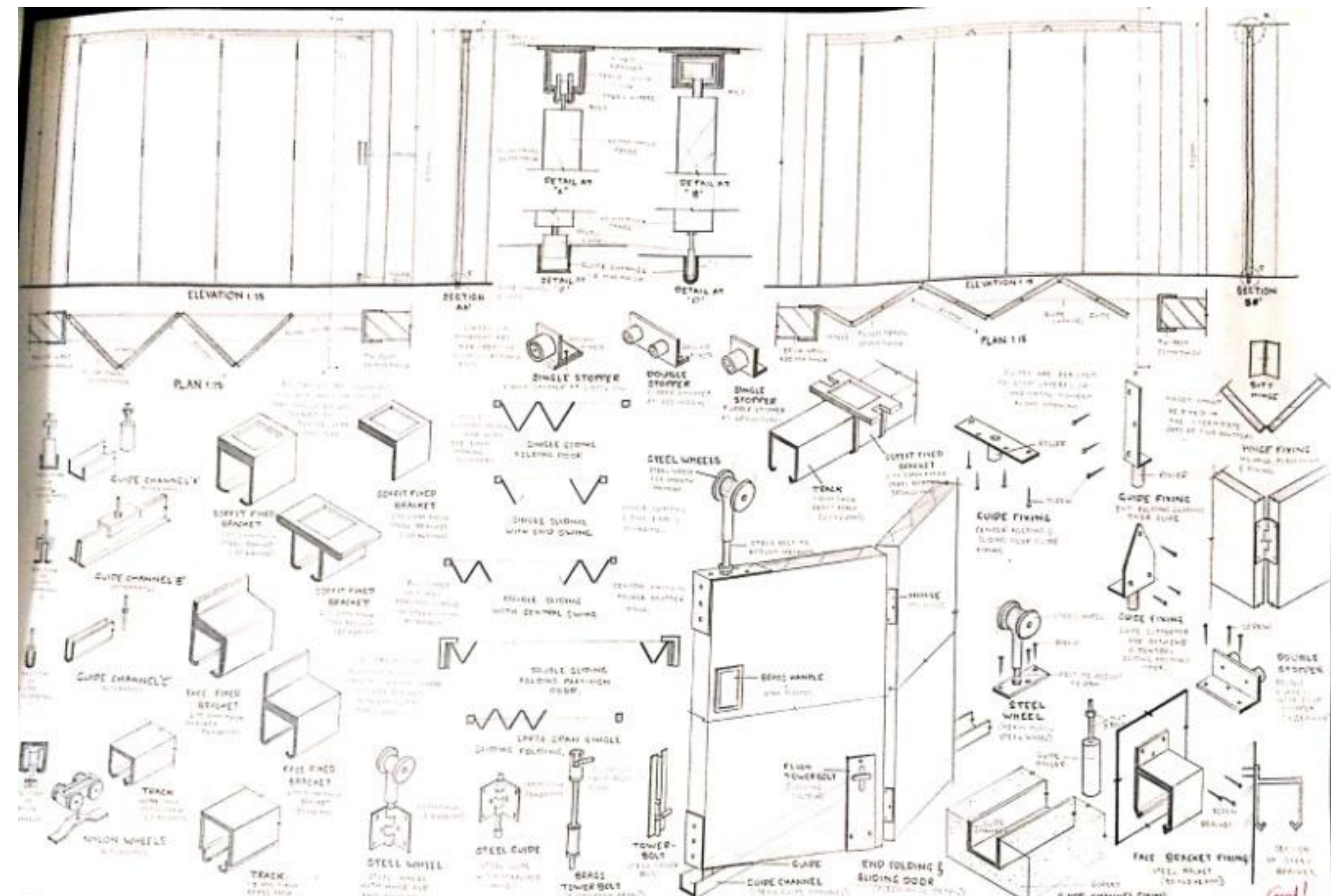


1<sup>st</sup> Year B.Arch TERM I 2018-2019

**WORKSHOP**

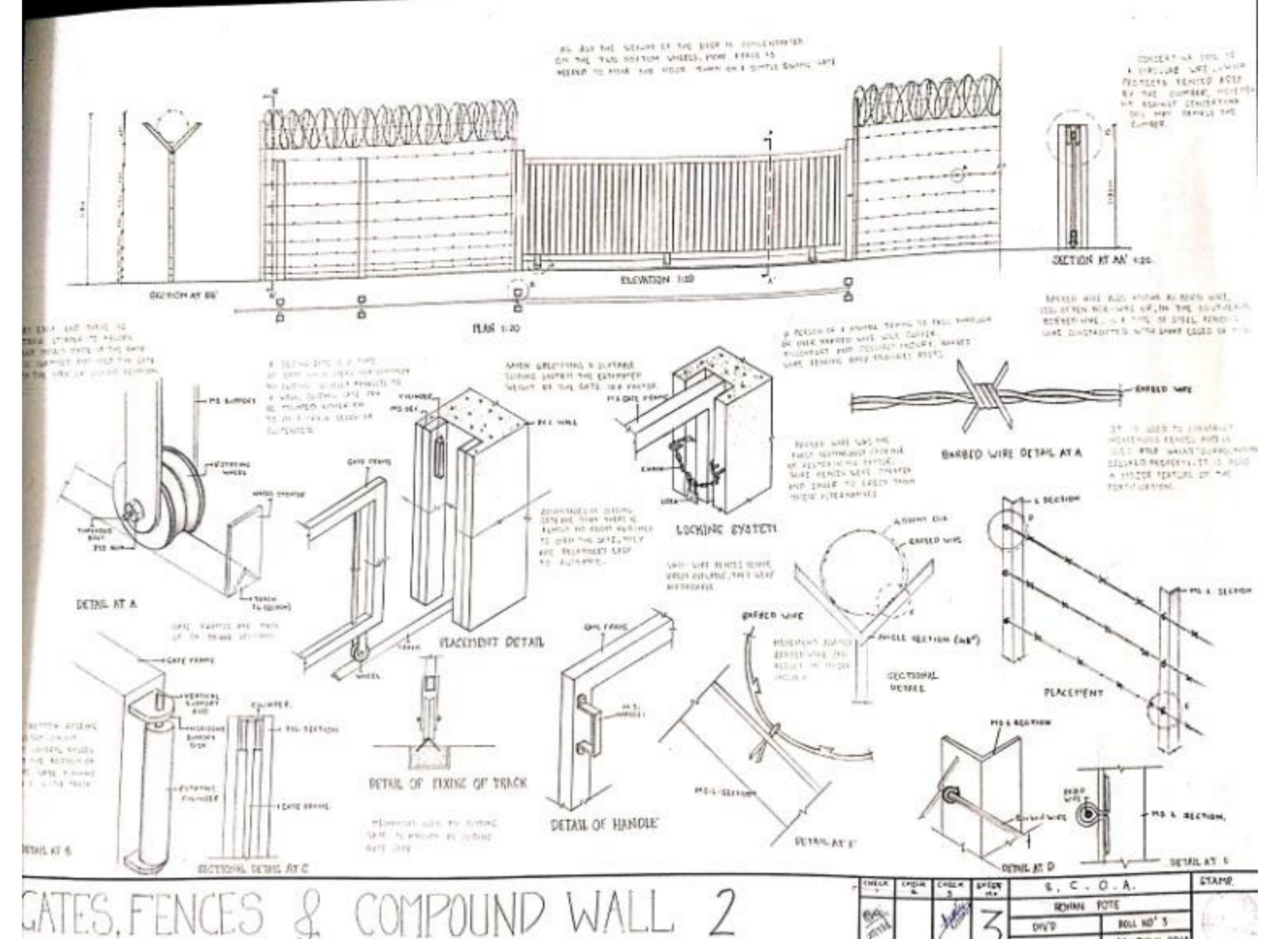
Sinhgad College of Architecture, Pune





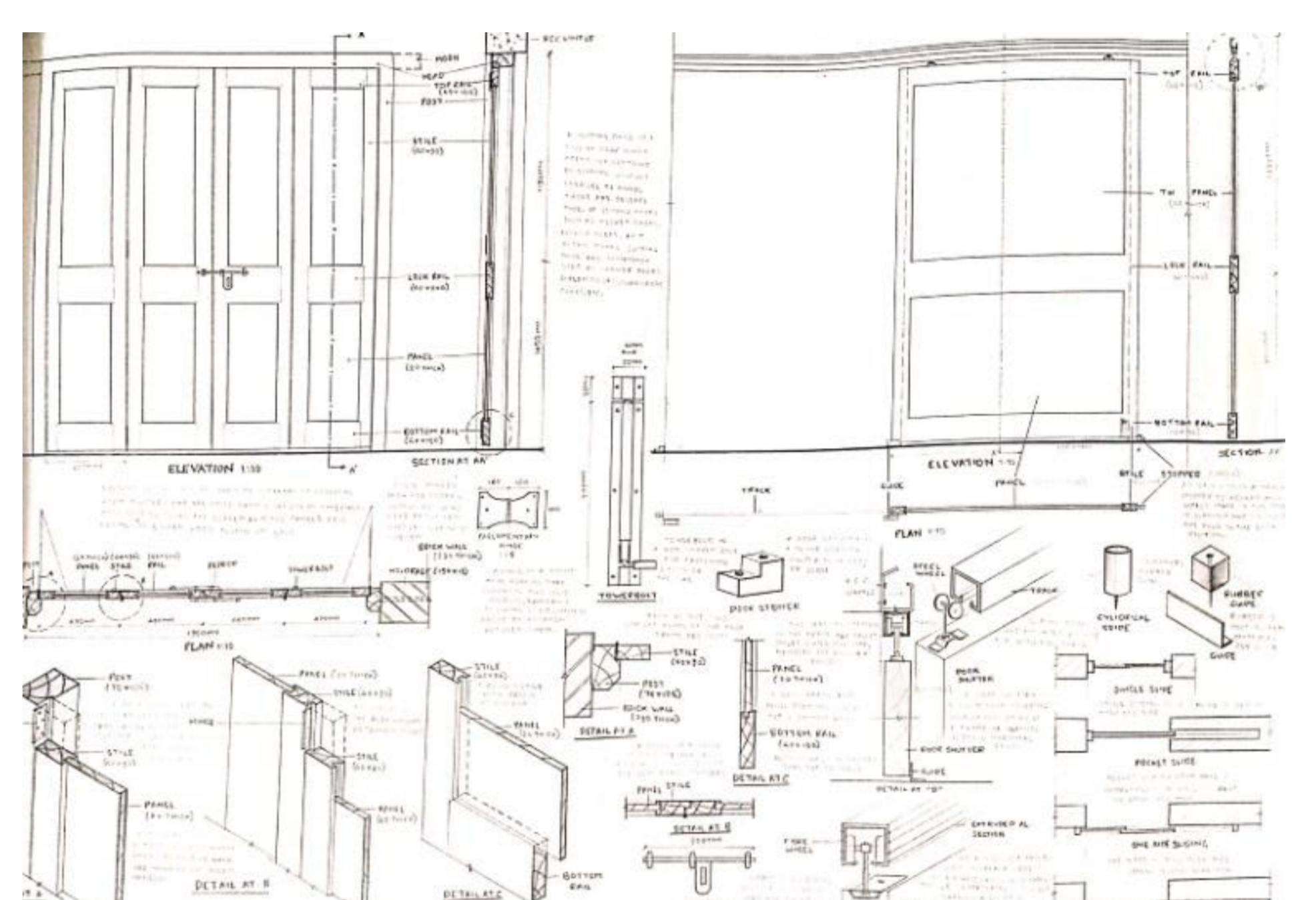
T.W. SLIDING & FOLDING DOOR

NO.	DATE	BY	CHKD.	APPD.	SCALE
5					



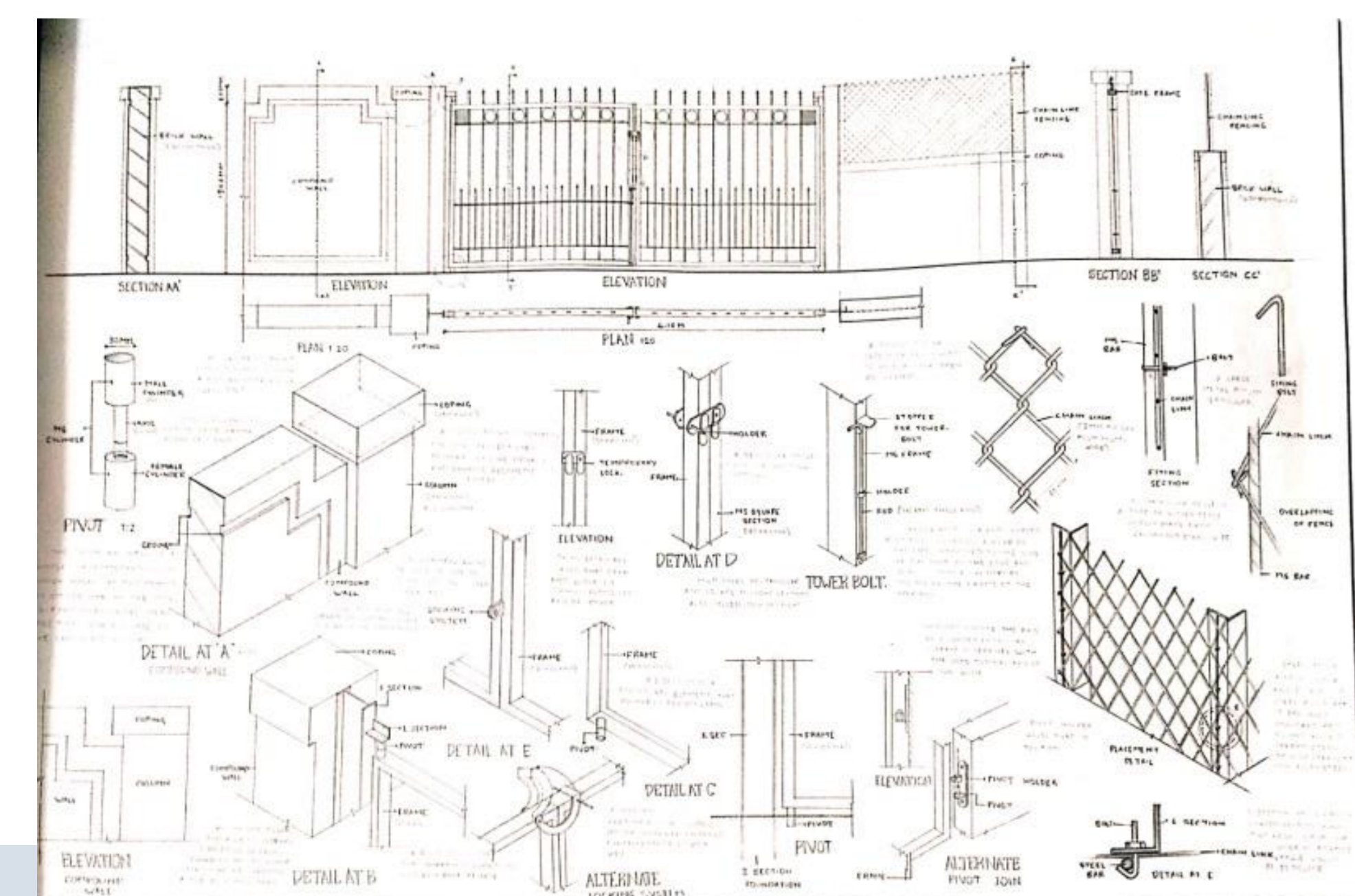
GATES, FENCES & COMPOUND WALL 2

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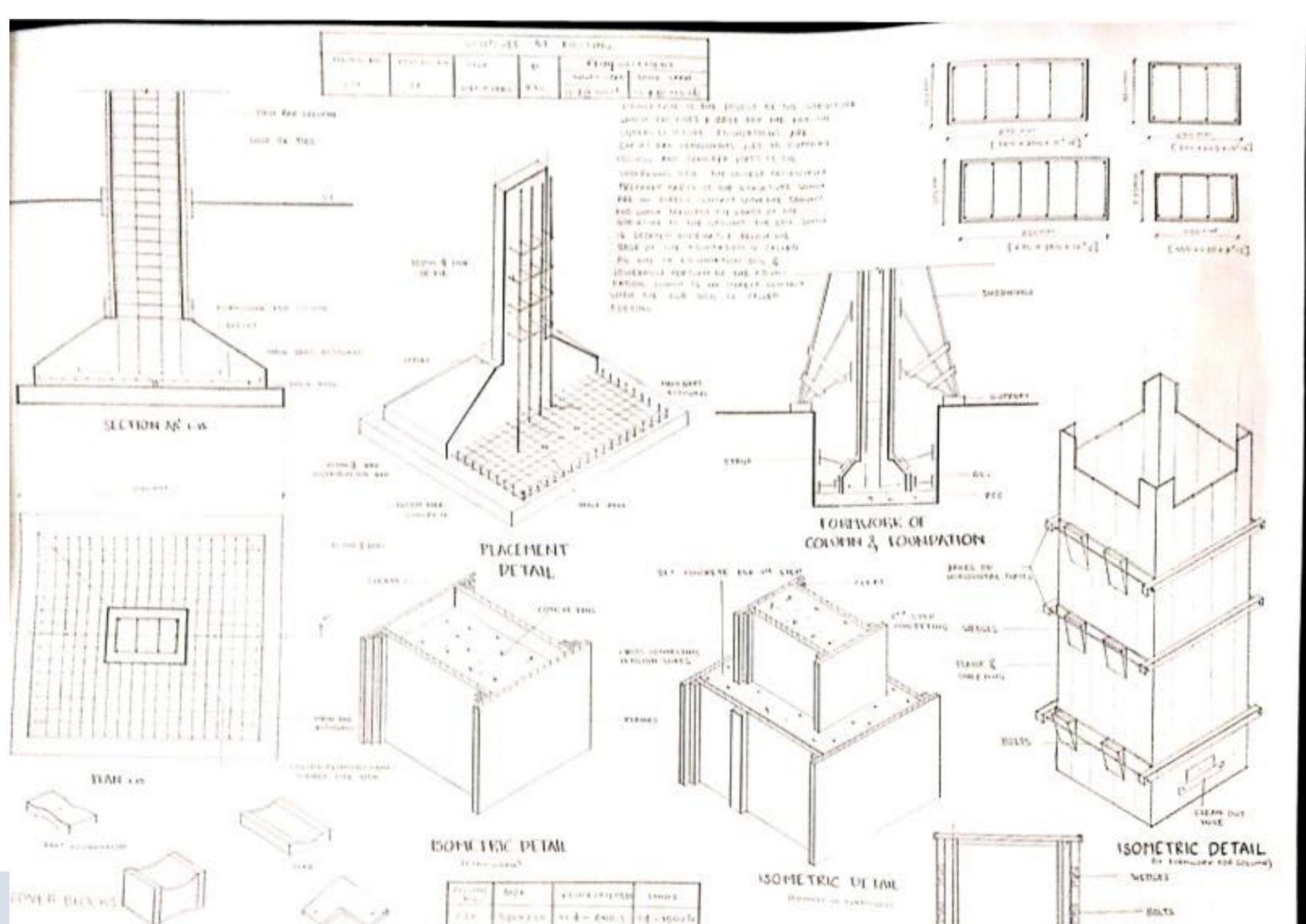
FOLDING & SIMPLE SLIDING DOOR

NO.	DATE	BY	CHKD.	APPD.	SCALE
4					



COMPOUND WALL, FENCING & GATE I

NO.	DATE	BY	CHKD.	APPD.	SCALE
2					



RCC FOOTING

NO.	DATE	BY	CHKD.	APPD.	SCALE

2nd Year B.Arch 2018-2019

**BUILDING TECHNOLOGY AND MATERIALS**

Sinhgad College of Architecture, Pune



# COMMERCIAL CENTRE LOCATION : VADGAON, PUNE

## INTRODUCTION

A COMMERCIAL CENTRE IN URBAN CONTEXT HAS MANY ACTIVITIES SUCH AS SHOPS, OFFICES, EATERIES, ETC. THIS IS GENERALLY CATEGORIZED AS MULTIUSE SPACE.

SITE IS LOCATED IN VADGAON, PUNE, WHICH HAS MODERATE CLIMATE WITH ADEQUATE RAINFALL.

IT HAS ACCESS ON NORTHERN SIDE OF 6M WIDE ROAD, IT HAS ADJACENT POLICE STATION ON WESTERN SIDE. IT IS SURROUNDED BY RESIDENTIAL AREA WHICH WILL FACILITATE THE DEVELOPMENT OF A COMMERCIAL CENTRE.

SITE DIMENSIONS : 40 M X 40 M



**STRENGTH :**  
FLAT LAND  
NO TREES TO BE CUT  
FRONT SIDE OF THE ROAD

**WEAKNESS :**  
TREES AND VEGETATION TO BE PLANTED.  
ADJACENT ROAD MEETS VERY HEAVY TRAFFIC.

**OPPORTUNITY :**  
DESIGN OF PROPER VENTILATION.  
PLACEMENT OF FLORA ACCORDING TO NEED AND DESIGN.

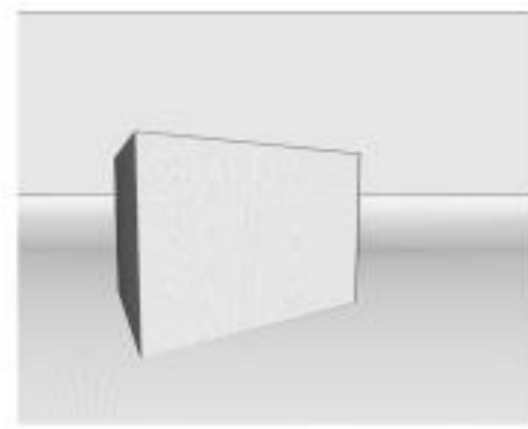
**THREAT :**  
SMALL PATCH AT THE BACK OF THE SITE REMAIN WHICH CAN BECOME HOME FOR INSECTS AND OTHERS.



EAST AND WEST FACADE HAS MINIMUM SURFACE AREA WHICH REDUCES THE AMOUNT OF HEAT GAIN  
EACH OPENING ON BOTH FACADES HAVE VEGETATION BLOCKS AS BUFFERS TO IMPROVE AIR QUALITY



## CONCEPT : INTERLOCKING BLOCKS



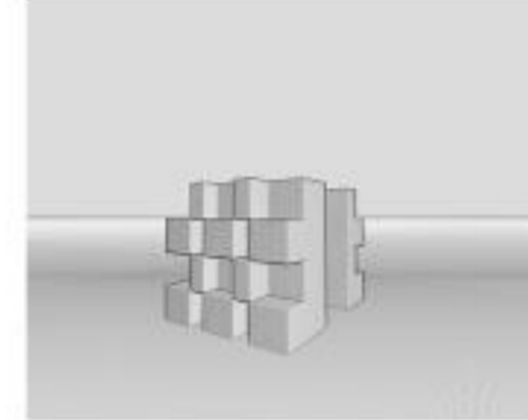
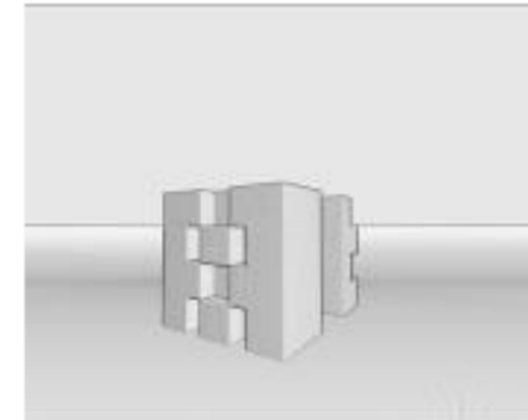
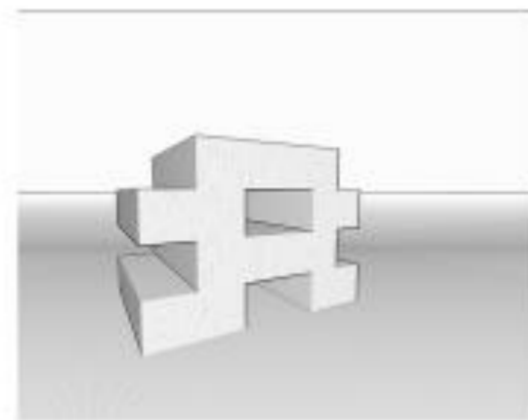
THE INTERLOCKING BLOCKS HELPS ACHIEVE AN UNORTHODOX APPROACH TOWARDS A COMMERCIAL COMPLEX.

IT BREAKS THE MONOTONOUS ELEVATIONS THAT A COMMERCIAL COMPLEX PRESENTS. THE INTERLOCKING BLOCKS HELP ACHIEVE IN MANAGING THE SERVICE BLOCKS AND FUNCTIONALITY OF BUILDING.

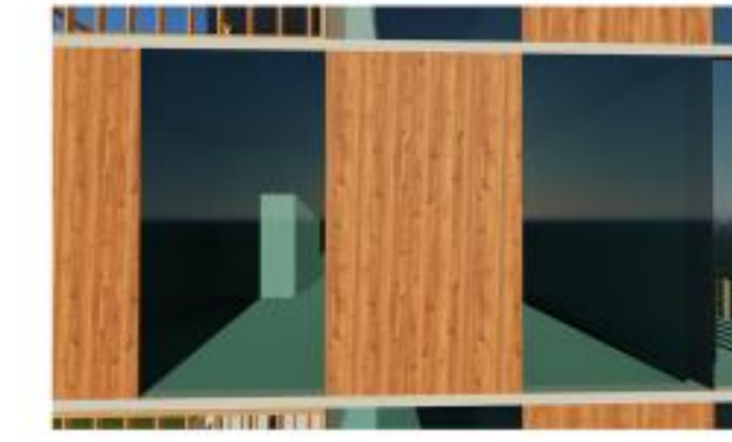
THE CONCEPT ALSO HELPS IN PROVIDING A SUSTAINABLE APPROACH DUE TO MANY VOIDS DUE TO INTERLOCKING.

THE CHALLENGE IN THIS CONCEPT WAS TO MAINTAIN THE CONNECTIVITY BETWEEN BLOCKS. THIS WAS TACKLED BY PROVIDING A CENTRAL STAIRCASE.

THE BUILDING IS ORIENTED ALONG THE NORTH SOUTH DIRECTION TO ACHIEVE THE MAXIMUM DIFFUSED LIGHT.



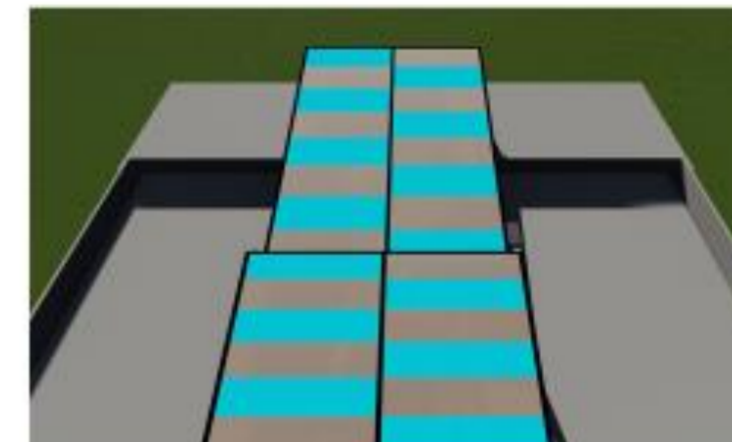
VEGETATION BLOCKS ARE PLACED ALONG THE SERVICE BLOCKS TO IMPROVE THE QUALITY OF AIR FLOW, REDUCES THE HEAT GAIN AND TO HIDE THE PIPING NETWORK.



WOODEN PANELS AND GLASS ARE FIXED ON THE NORTH FACADE TO GET MAXIMUM DIFFUSED LIGHT.



WOODEN LOUVERS ARE PLACED ON EASTERN AND WESTERN FACADE.



THE ROOF INCORPORATES PHOTOVOLTAIC PANELS WHICH ARE CAPABLE TO HANDLE 50% OF BUILDING'S ENERGY CONSUMPTION.



NORTH FACADE ALLOWS NORTHERN LIGHT INTO BUILDING. LARGER WINDOWS ARE PROVIDED FOR LIGHT. WOODEN PANELS CONTROL INFLOW OF LIGHT. FACADE CAN BE COMPLETELY CLOSED AND OPENED.



GHODNADIKAR AJINKYARAJ  
ROLL NO : 03

01



R O A D 36M W I D E



SITE PLAN WITH GROUND FLOOR PLAN (SCALE 1:100)

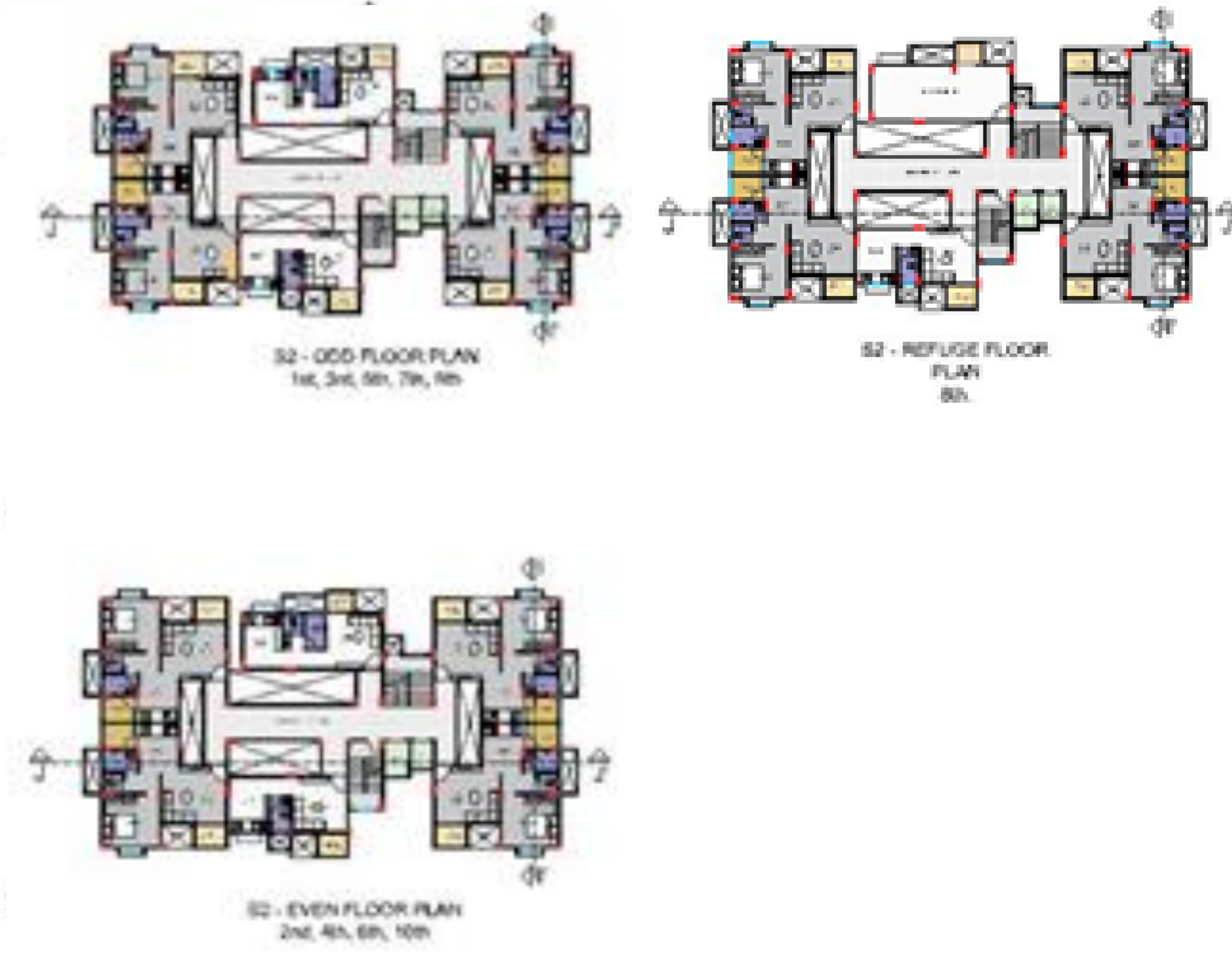
SURAJ B. WAGHMODE  
4TH YEAR, CM  
SCOA, PUNE

PROPOSED SITE AT KHED-SHIVAPUR.



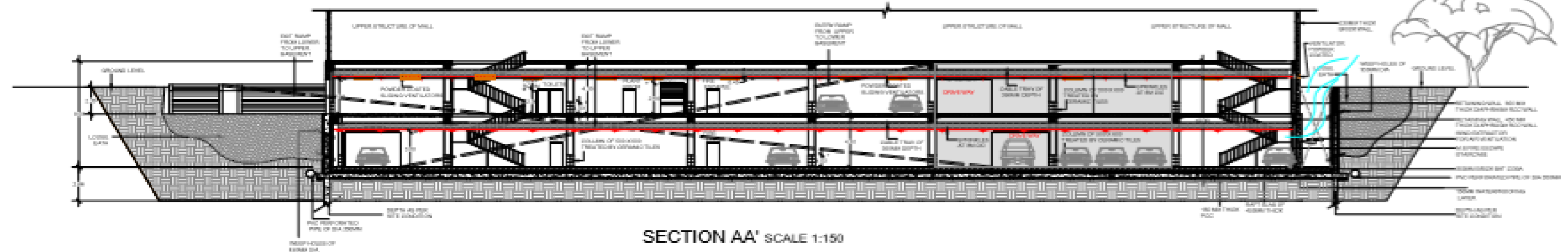
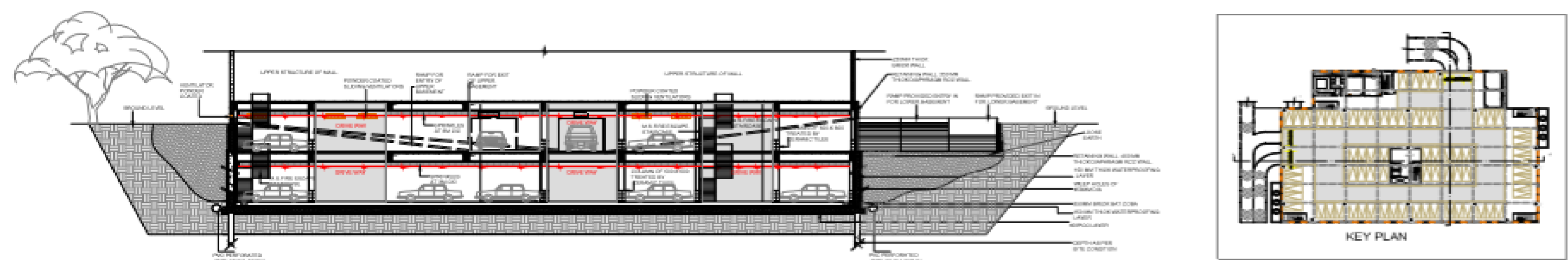
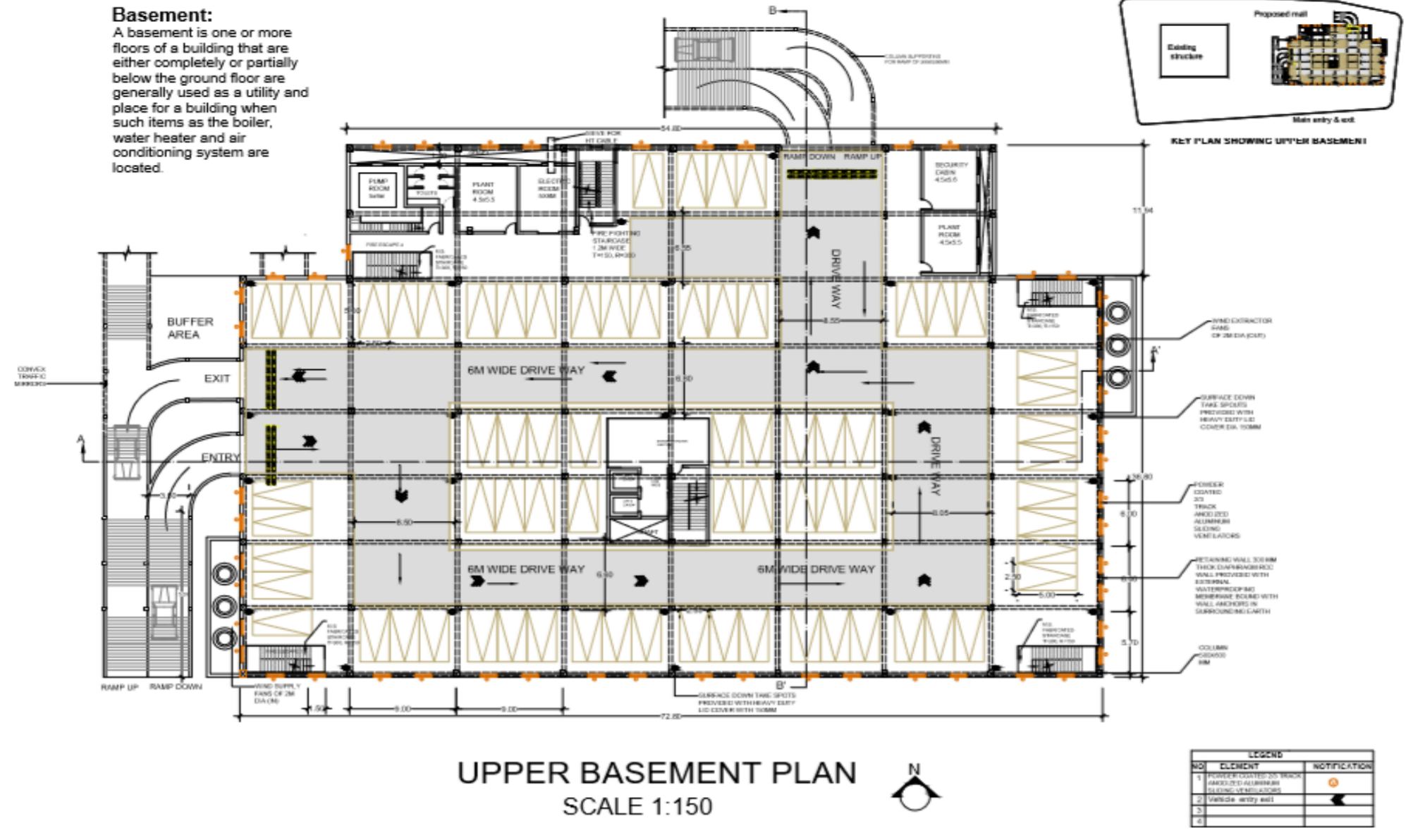
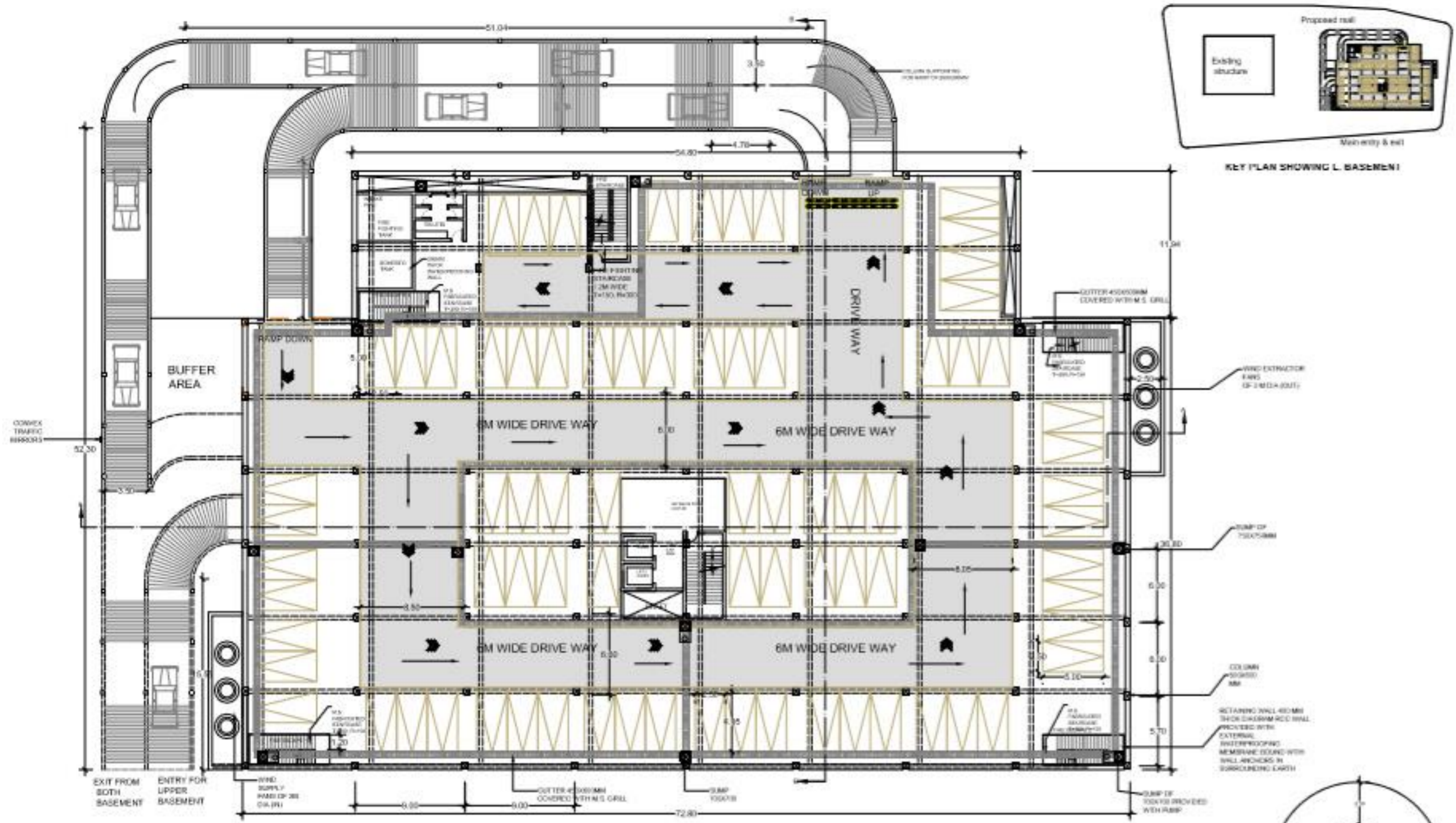
PROPOSED SITE AT KHED-SHIVAPUR.

SURAJ B. WAGHMODE  
4TH YEAR, CM  
SCOA, PUNE



4<sup>th</sup> Year B.Arch 2018-2019

ARCHITECTURAL DESIGN VII



4<sup>th</sup> Year B.Arch 2018-2019

**ADVANCED BUILDING TECHNOLOGY SERVICES**