Barnes School & Junior College

MVPS's SHARADCHANDRAJI PAWAR
COLLEGE OF ARCHITECTURE, NASHIK

DOCUMENTATION OF COLONIAL STRUCTURES

In Collaboration with Barnes School, Deolali

PREFACE

Barnes School, Deolali—one of the oldest and most architecturally significant educational institutions—approached MVP's SP College of Architecture, Nashik, to undertake a structured documentation of its historic campus buildings. Established in the colonial era, the campus is a rich example of British colonial architecture, featuring elements such as colonnaded verandahs, pitched truss roofs, high ceilings, and extensive stone masonry.

This collaborative effort was envisioned as an exercise to give students real-world exposure to heritage documentation, architectural conservation, and colonial-era design principles. The project involved on-site surveys, measured drawings, photography, material studies, and architectural analysis, conducted under the supervision of faculty experts.

Through this initiative, architecture students not only developed technical skills in documentation and visual analysis but also gained a deeper appreciation for the cultural and historical value of preserved architecture. The experience strengthened their understanding of heritage conservation methods and contributed to their advanced learning in architectural history and built heritage studies.

The documentation output is expected to serve as a valuable archive for Barnes School and may contribute to future restoration or conservation efforts. It also stands as an example of community-academia partnerships that bridge educational learning with real-world architectural legacy.

TEAM

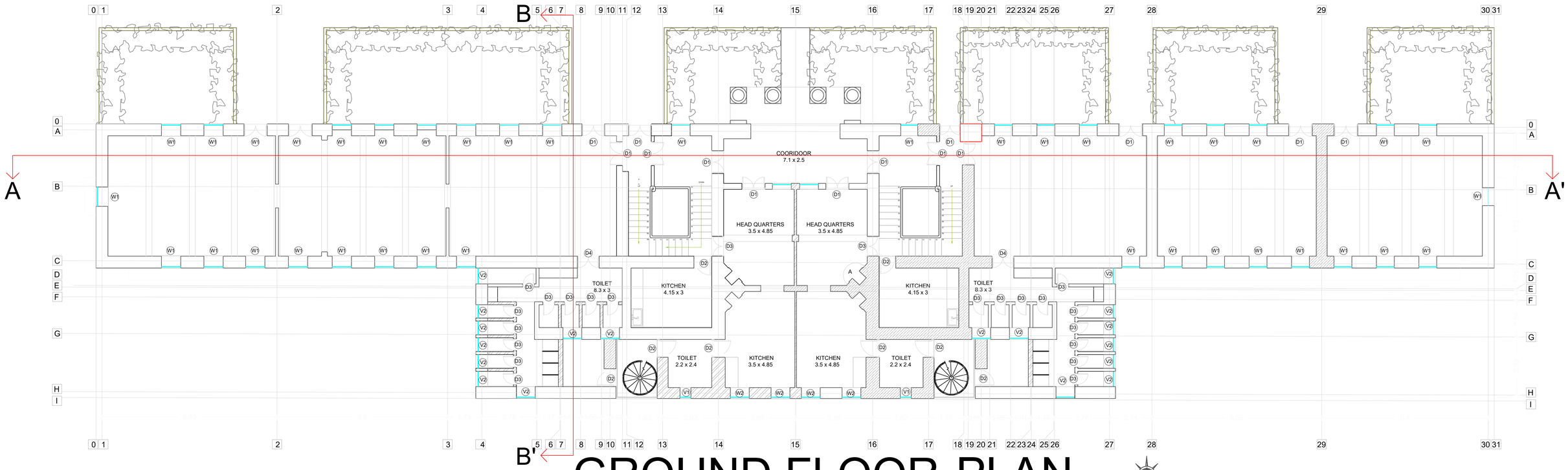
First Year –
- Shreeman Patil
- Siddharth Borse
- Kalpesh Pingle
- Atharva Musale

Second Year –
- Harshal Patil
- Keyuri Dandgaval
- Shivam Mahajan
- Krishna Suryawanshi
- Kaustubh Turak
- Samiksha Parakh
- Ritu Patil
- Saloni Jawale
- Sarthak Sadaphal
- Shivani Pardeshi
- Pallavi Haridas
- Siddhi Dhongade

Third Year –
- Bhushan Salunke
- Jaydeep Kachhava
- Sai Deore
- Hemant Karve
- Anushka Gaikwad
- Rughved Kalos

Fourth Year –
- Sanchal Jadhav
- Anushka Bhamre
- Ankita Kalkate
- Shravani Bhosale
- Harish Gajjerla
- Shruti Datir
- Riddhi Gadekar
- Vidhi Chopda
- Sanskruti Pagar

Faculty Members –
- Prof. Purva Shah
- Prof. Hemant Thakare
- Prof. Gaurav Arbooj
- Prof. Niketa Kothavale
- Prof. Nitesh Patil
- Prof. Anand Bhamare
- Prof. Kapil Mahadik
- Prof. Ashwini Bhusare
- Prof. Sankalp Bagul

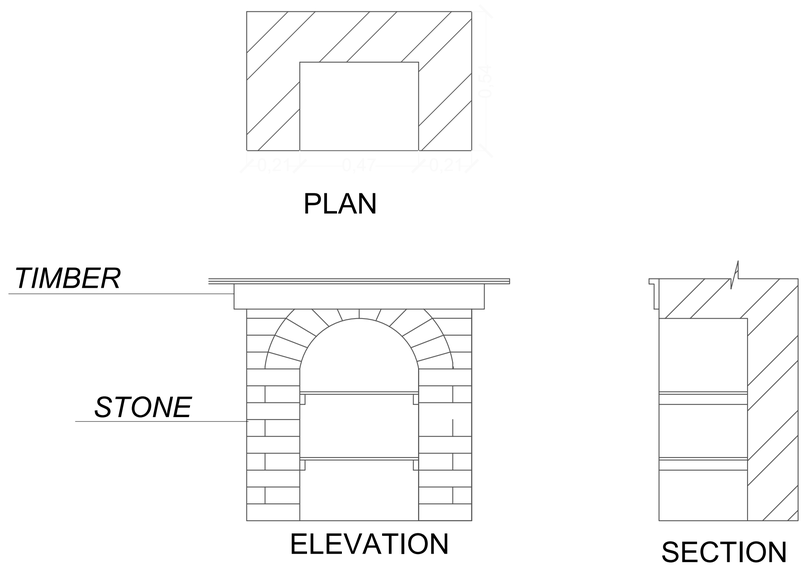


GROUND FLOOR PLAN

SCALE 1:100

N

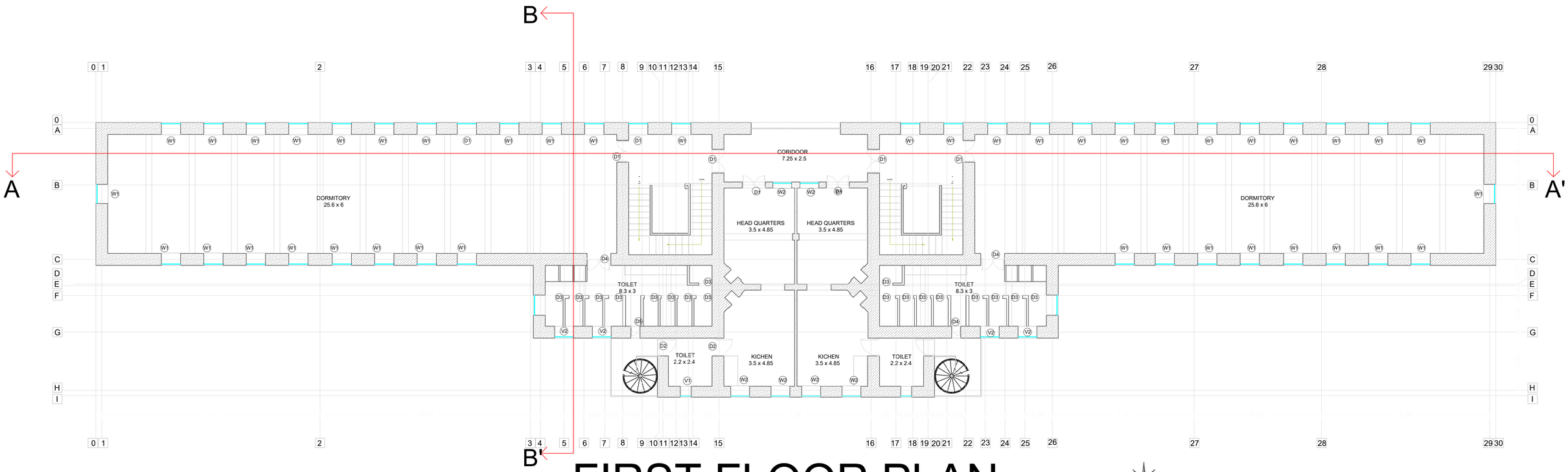
ALL DIMENSIONS IN METER



FIREPIT DETAILS

SCALE 1:10

SPENCE BUILDING, BARNES SCHOOL DEOLALI, NASHIK

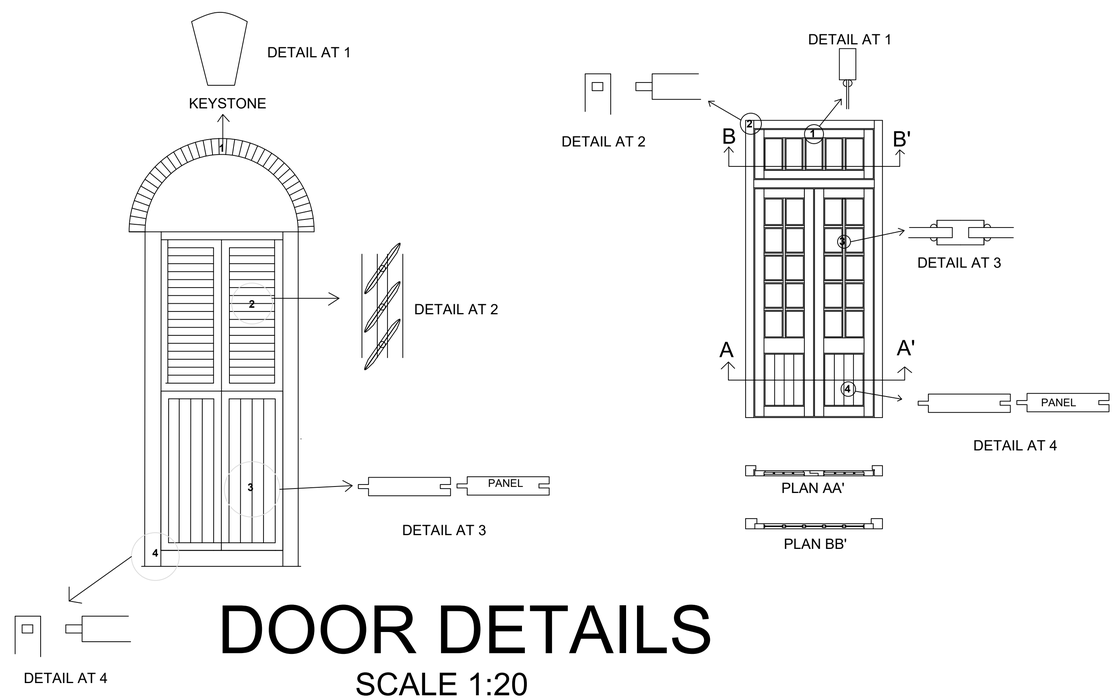


FIRST FLOOR PLAN

SCALE 1:100

N

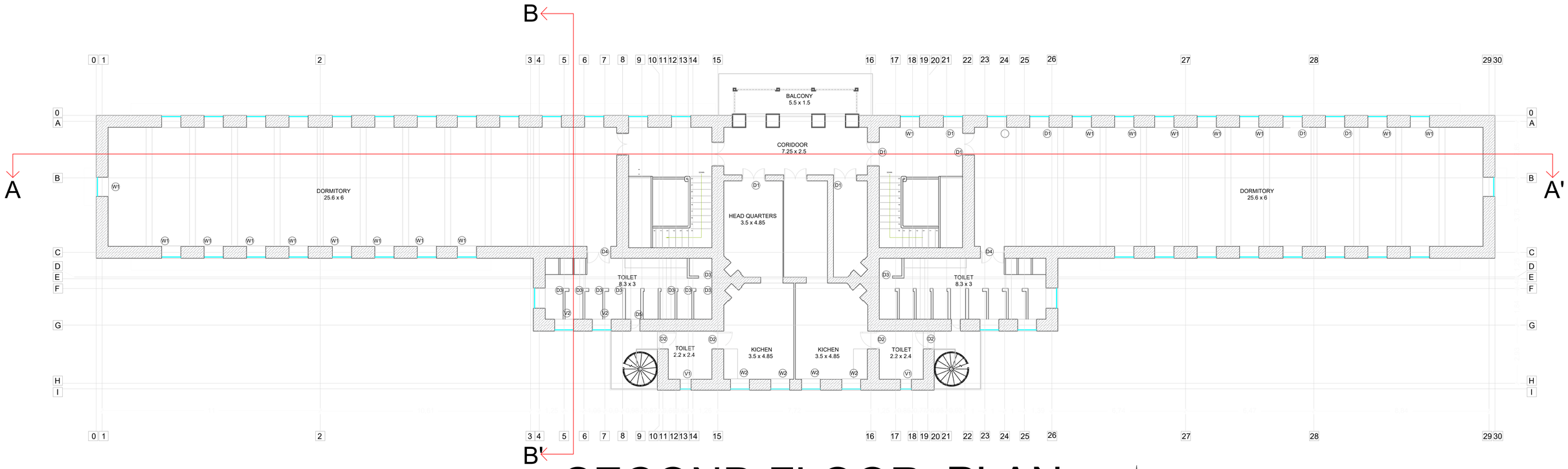
ALL DIMENSIONS IN METER



DOOR DETAILS

SCALE 1:20

SPENCE BUILDING, BARNES SCHOOL DEOLALI, NASHIK

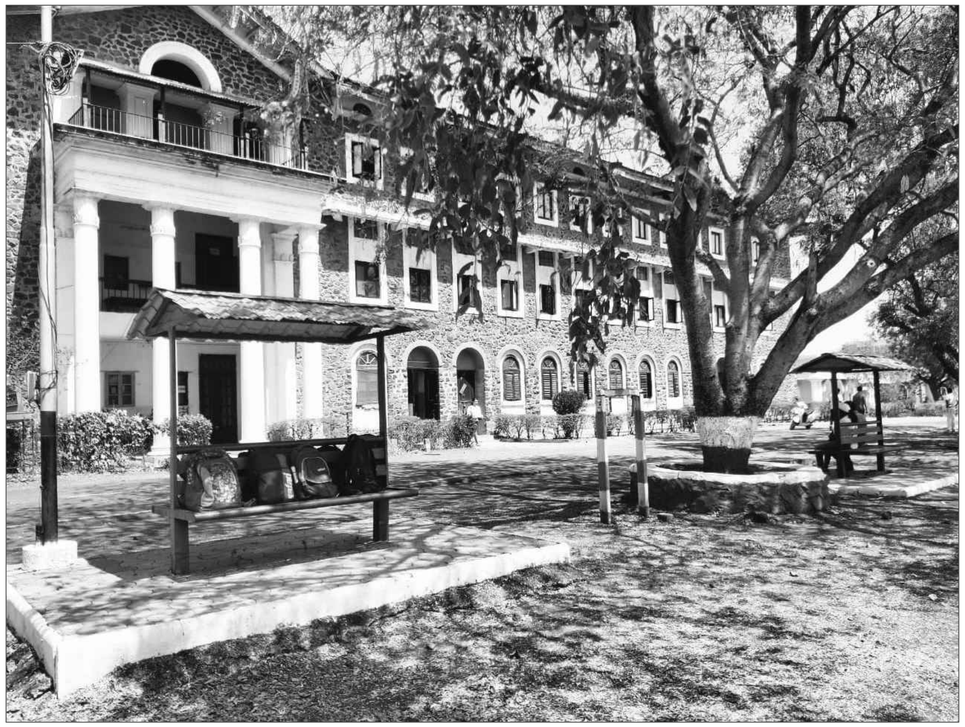


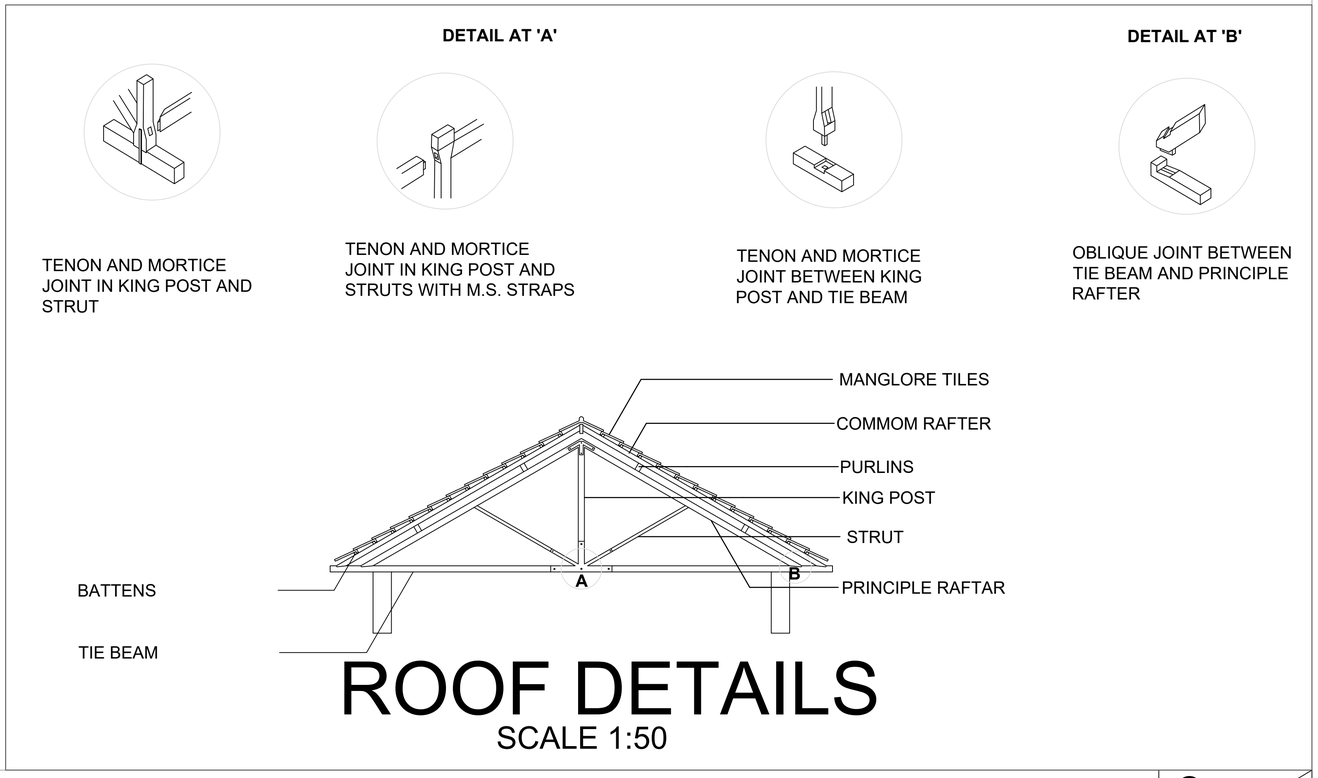
SECOND FLOOR PLAN

SCALE 1:100

N

ALL DIMENSIONS IN METER

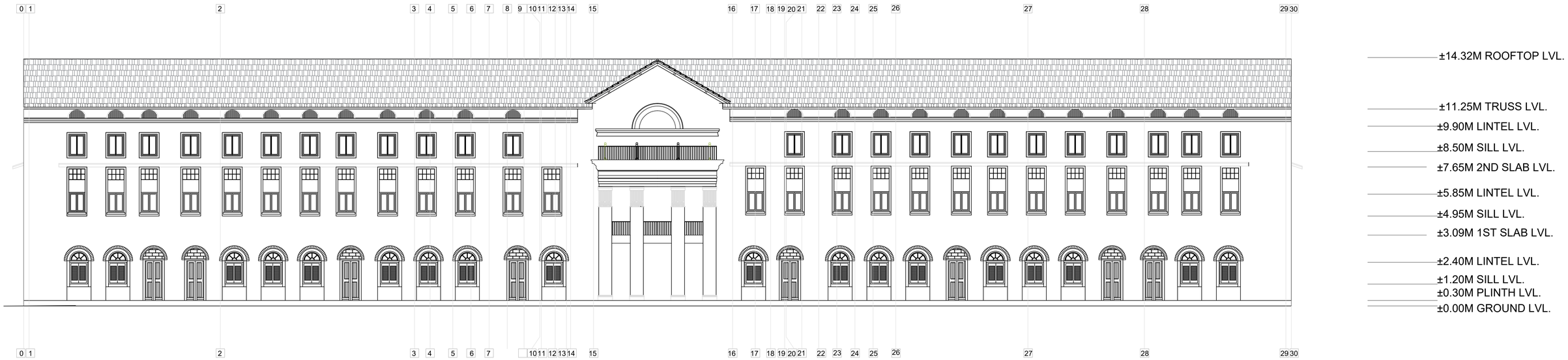




ROOF DETAILS

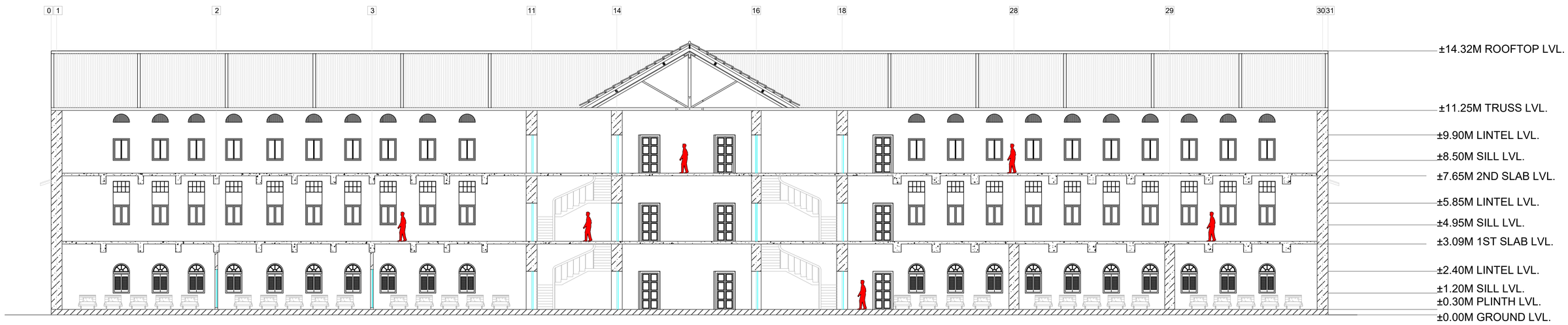
SCALE 1:50

SPENCE BUILDING, BARNES SCHOOL DEOLALI, NASHIK



WEST SIDE ELEVATION

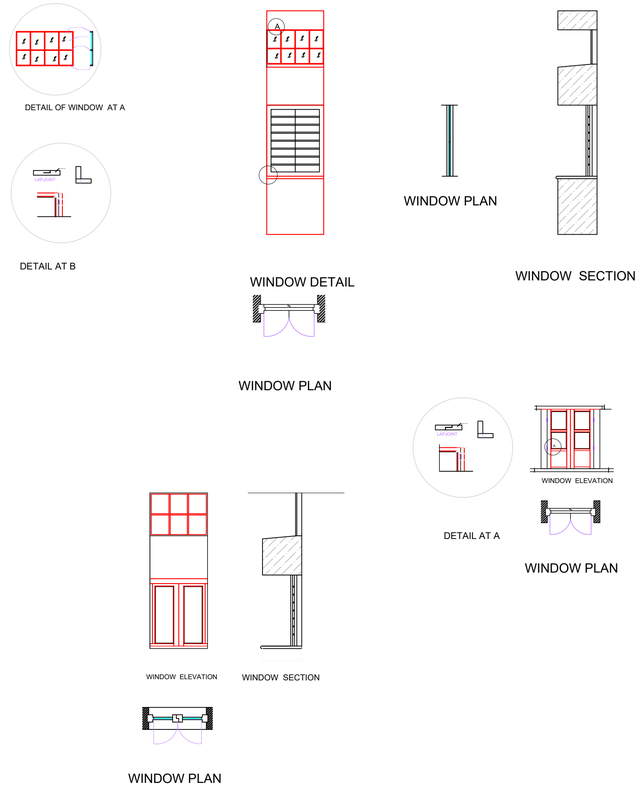
SCALE 1:100



SECTION - A A'

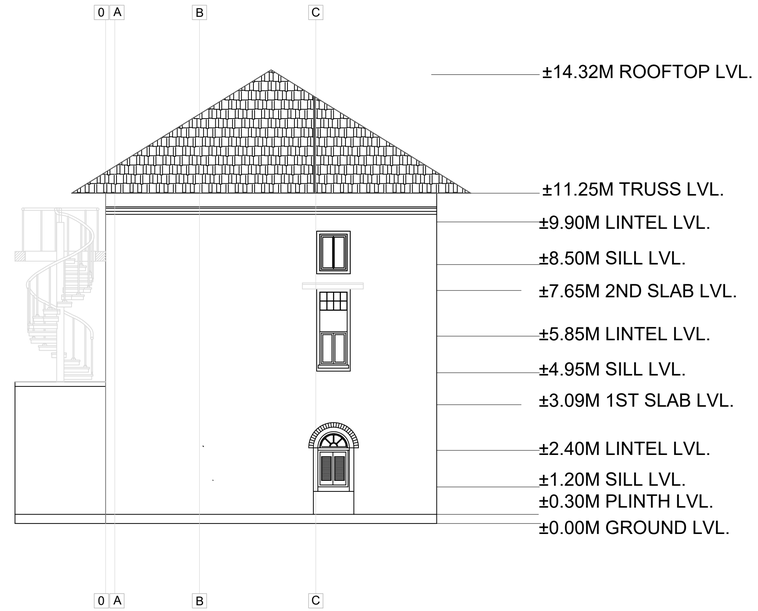
SCALE 1:100

SPENCE BUILDING, BARNES SCHOOL DEOLALI, NASHIK



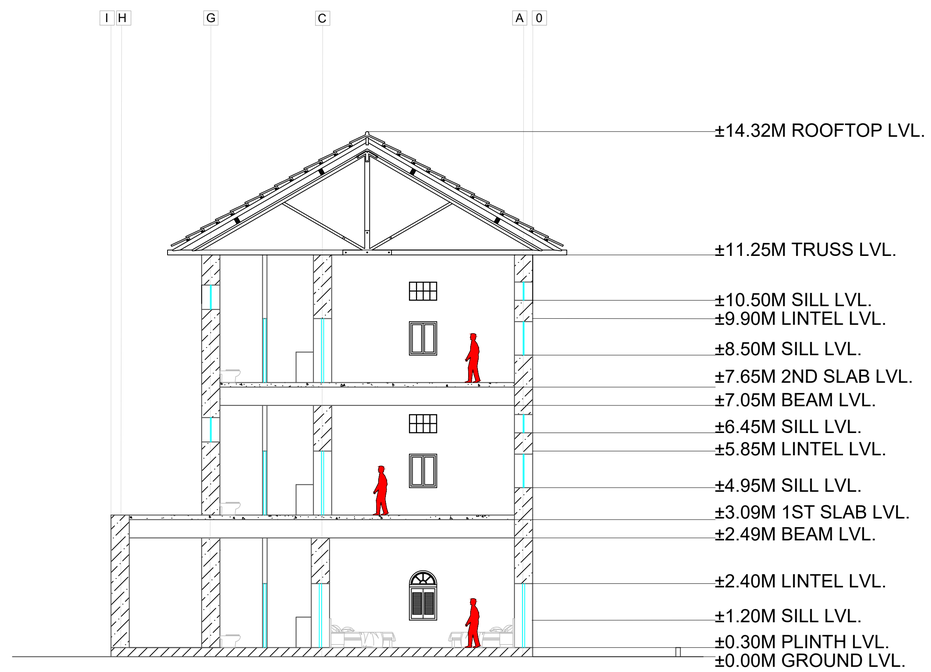
WINDOW DETAILS

SCALE 1:50



NORTH SIDE ELEVATION

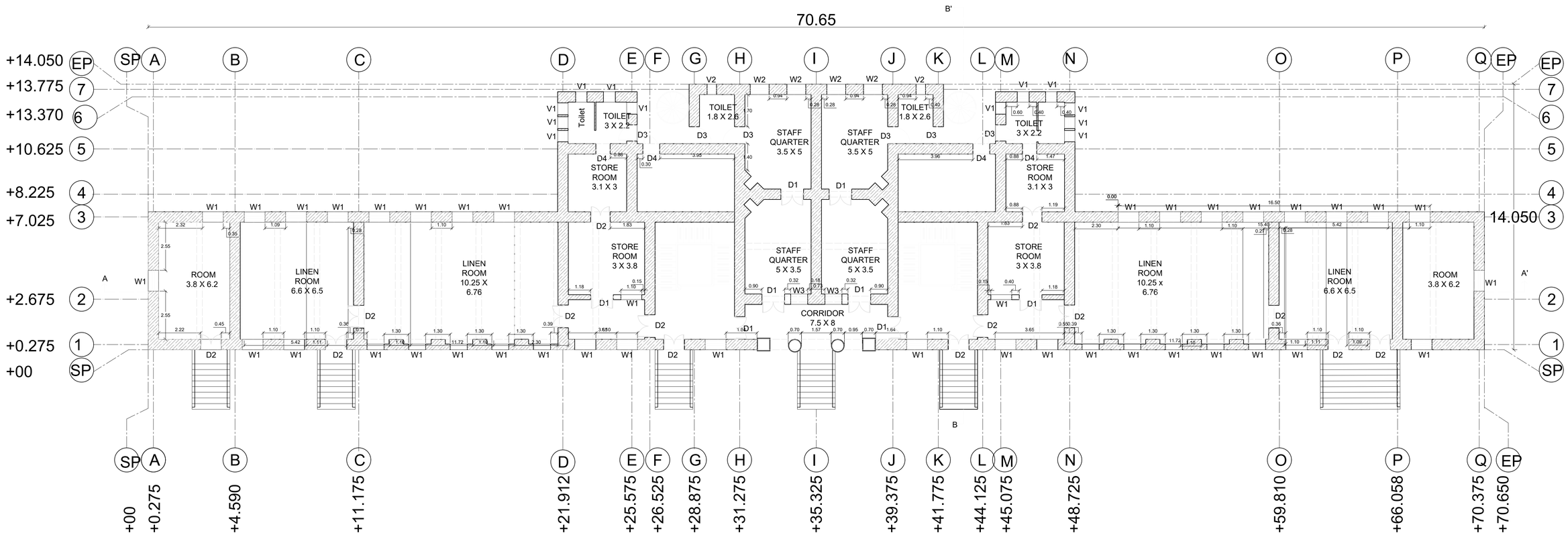
SCALE 1:100



SECTION B B'

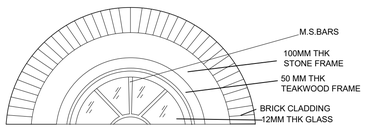
SCALE 1:100

SPENCE BUILDING, BARNES SCHOOL DEOLALI, NASHIK

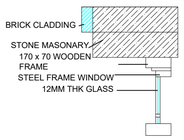


GROUND FLOOR PLAN

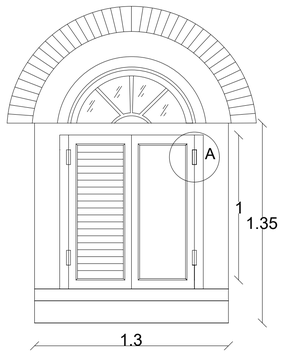
SCALE:1:100



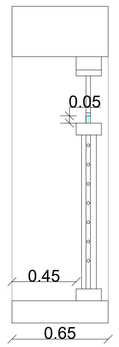
DETAIL OF ARCH



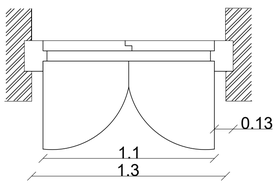
SECTION OF ARCH



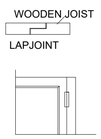
WINDOW ELEVATION



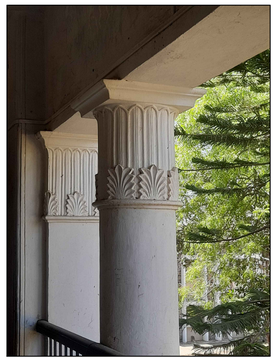
WINDOW SECTION

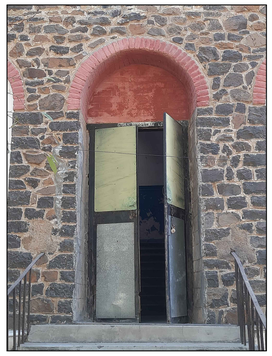


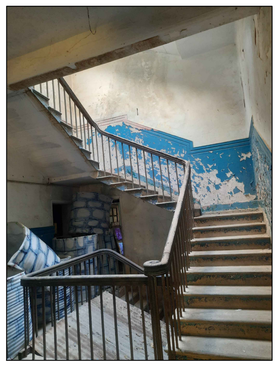
WINDOW PLAN



DETAIL AT A







SCHEDULE OF OPENING

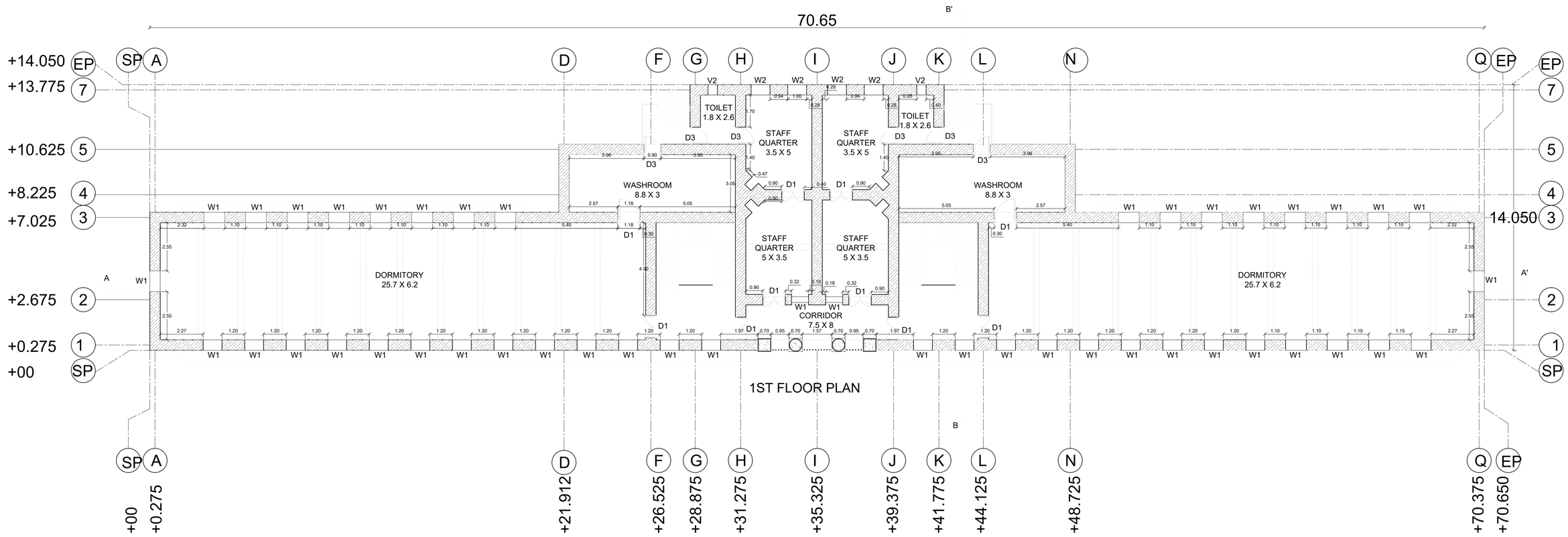
DOORS

SYMB.	SIZE	LINTEL	NOs
D1	1200	2100	6
D2	1100	2100	13
D3	900	2100	6
D4	750	2100	4

WINDOW AND VENTILATOR

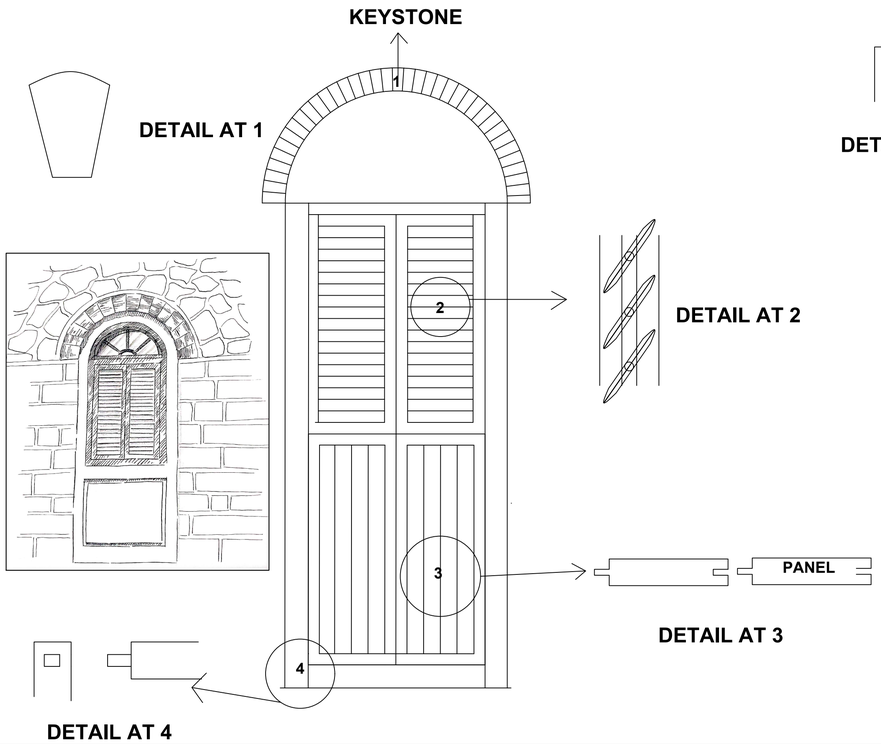
SYMB.	SIZE	SILL	LINTEL	NOs
W1	1100	800	2100	44
W2	1000	800	2100	4
V1	600	1500	2100	8
V2	500	1500	2100	2

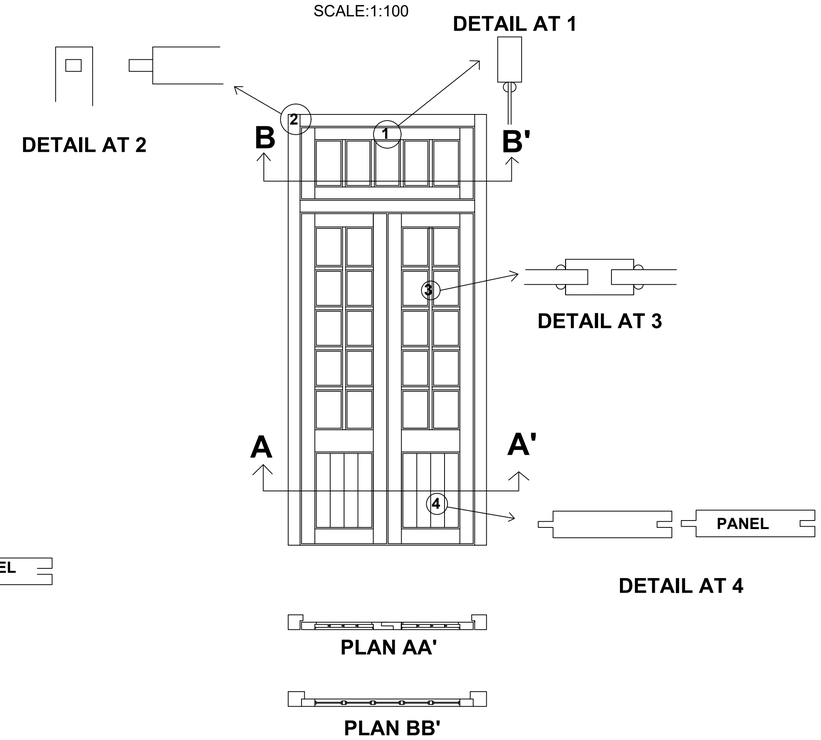
HAIG-BROWN BARNES SCHOOL DEOLALI, NASHIK



1ST FLOOR PLAN

SCALE:1:100





SCHEDULE OF OPENING

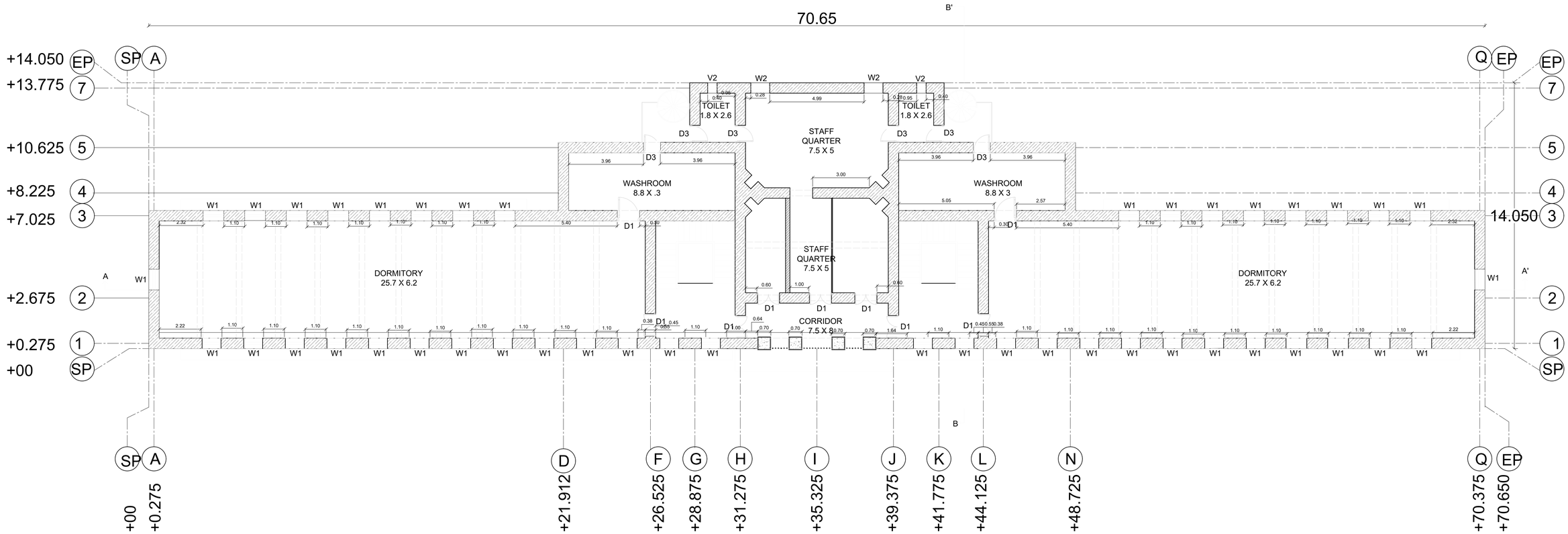
DOORS

SYMB.	SIZE	LINTEL	NOs
D1	1200	2100	8
D3	900	2100	6

WINDOW AND VENTILATOR

SYMB.	SIZE	SILL	LINTEL	NOs
W1	1100	800	2100	46
W2	1000	800	2100	4
V2	500	1500	2100	2

HAIG-BROWN BARNES SCHOOL DEOLALI, NASHIK

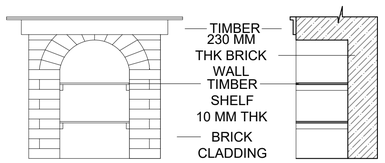


2ND FLOOR PLAN

SCALE:1:100

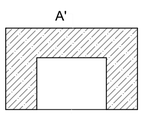
FIRE PIT DETAILS

SCALE:1:20

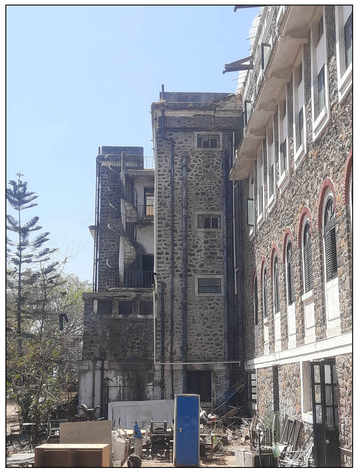


ELEVATION

SECTION A - A'



PLAN



SCHEDULE OF OPENING

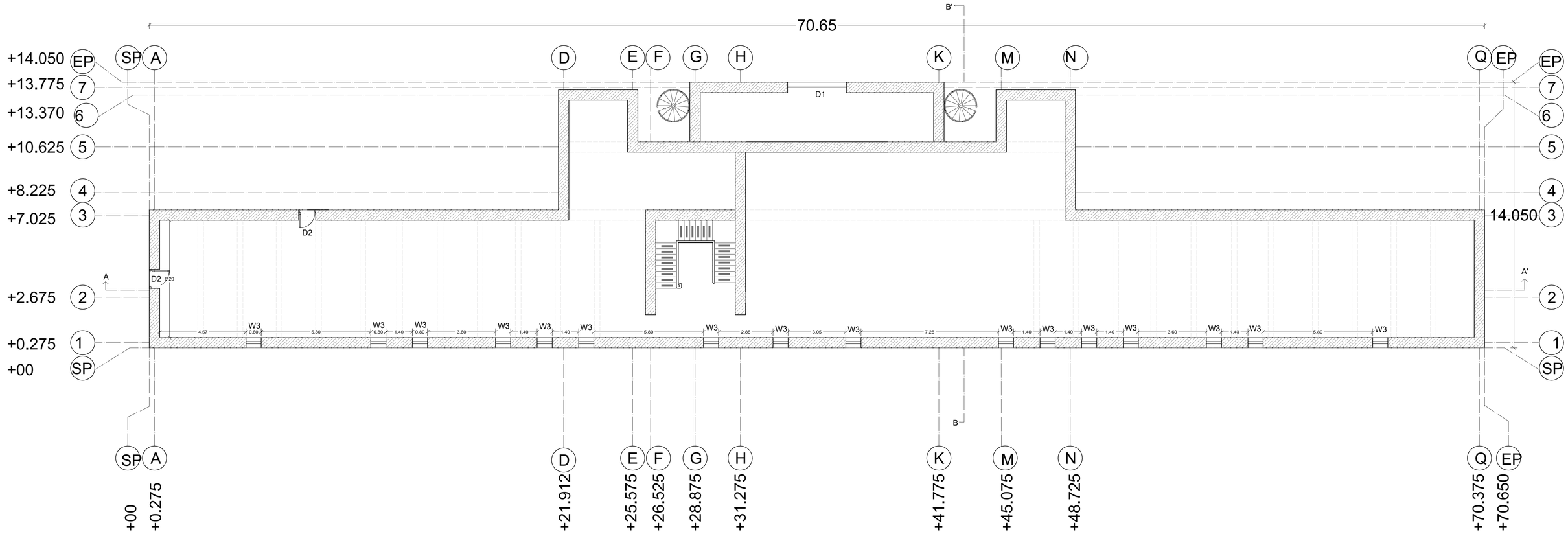
DOORS

SYMB.	SIZE	LINTEL	NOs
D1	1200	2100	8
D2	1100	2100	14
D3	900	2100	6
D4	750	2100	4

WINDOW AND VENTILATOR

SYMB.	SIZE	SILL	LINTEL	NOs
W1	1100	800	2100	38
W2	1000	800	2100	4
W3	800	800	2100	2
V1	600	1500	2100	12
V2	500	1500	2100	2

HAIG-BROWN BARNES SCHOOL DEOLALI, NASHIK

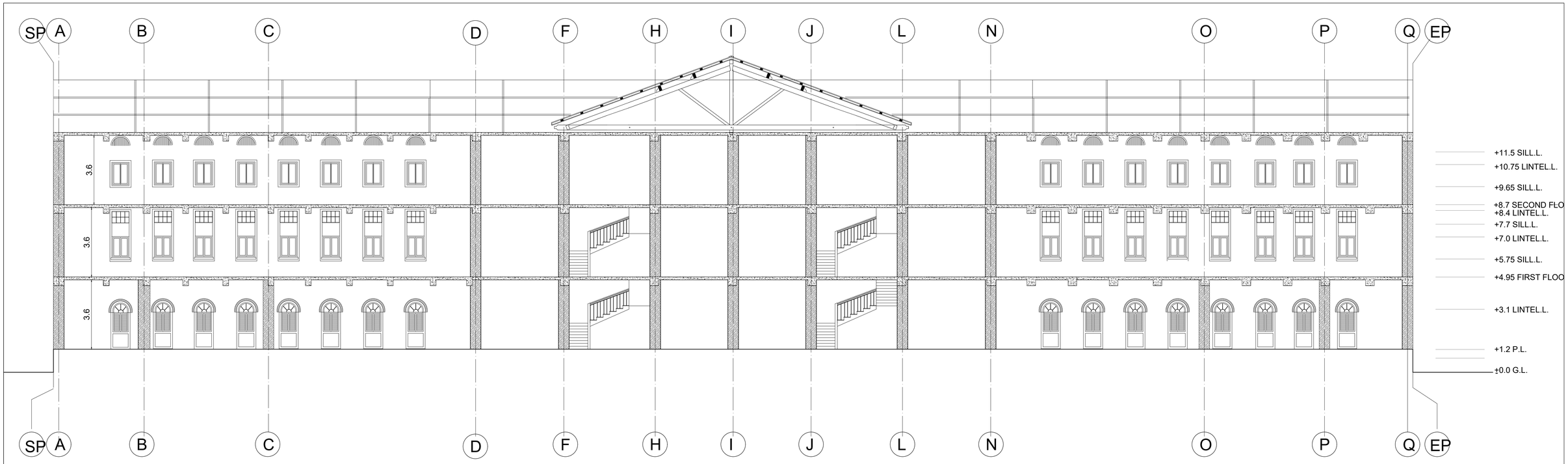


BASEMENT PLAN

SCALE - 1 : 100

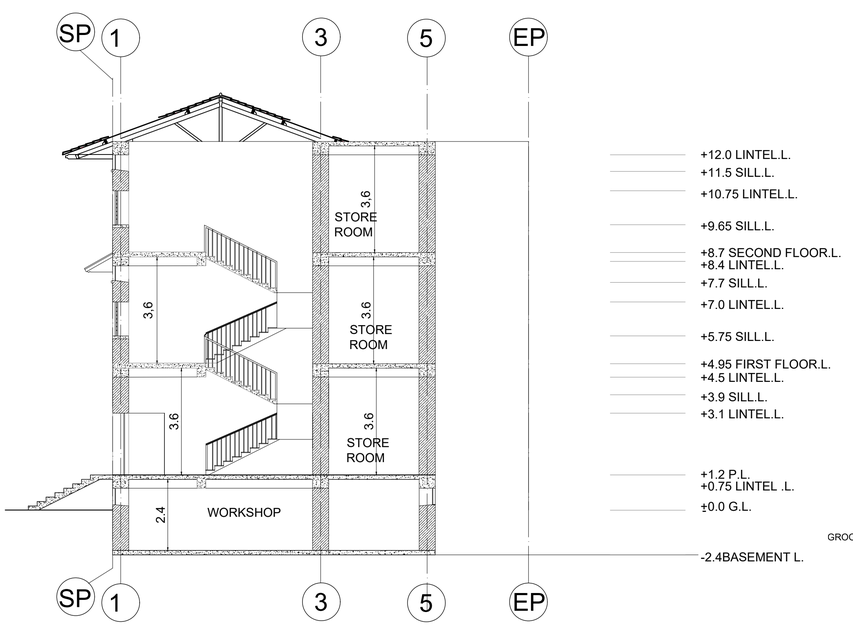
SCHEDULE OF OPENING				
DOORS				
SYMB.	SIZE		LINTEL	NOs
D1	3000		2100	1
D2	1000		2100	2
WINDOW AND VENTILATOR				
SYMB.	SIZE	SILL	LINTEL	NOs
W3	800	1500	2100	16

HAIG-BROWN BARNES SCHOOL DEOLALI, NASHIK



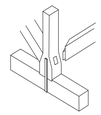
SECTION A-A'

SCALE:1:100

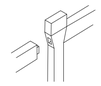


SECTION B-B'

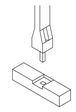
SCALE:1:100



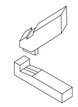
TENON AND MORTICE JOINT IN KING POST AND STRUT



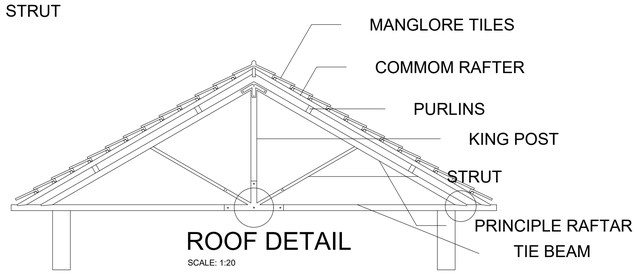
TENON AND MORTICE JOINT IN KING POST AND STRUTS WITH M.S. STRAPS



TENON AND MORTICE JOINT BETWEEN KING POST AND TIE BEAM

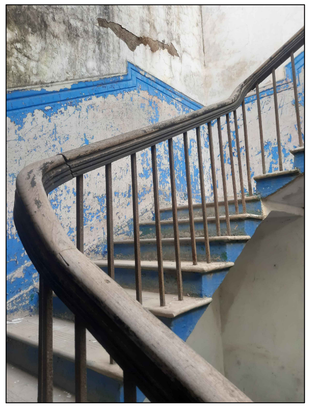


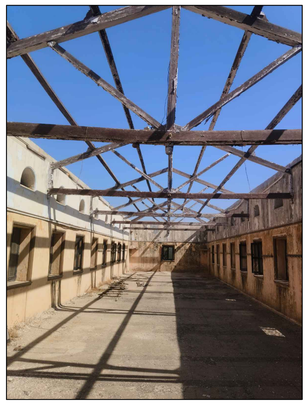
OBLIQUE JOINT BETWEEN TIE BEAM AND PRINCIPLE RAFTER

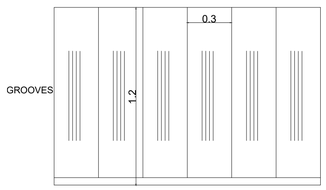


ROOF DETAIL

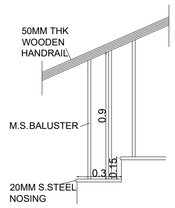
SCALE: 1:20



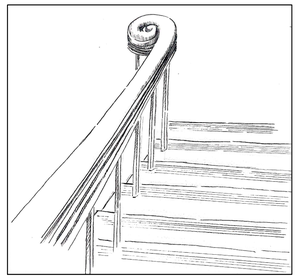


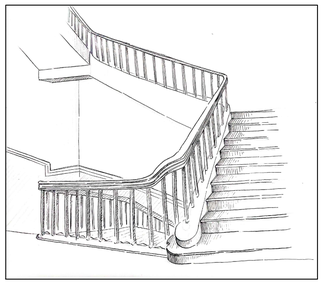


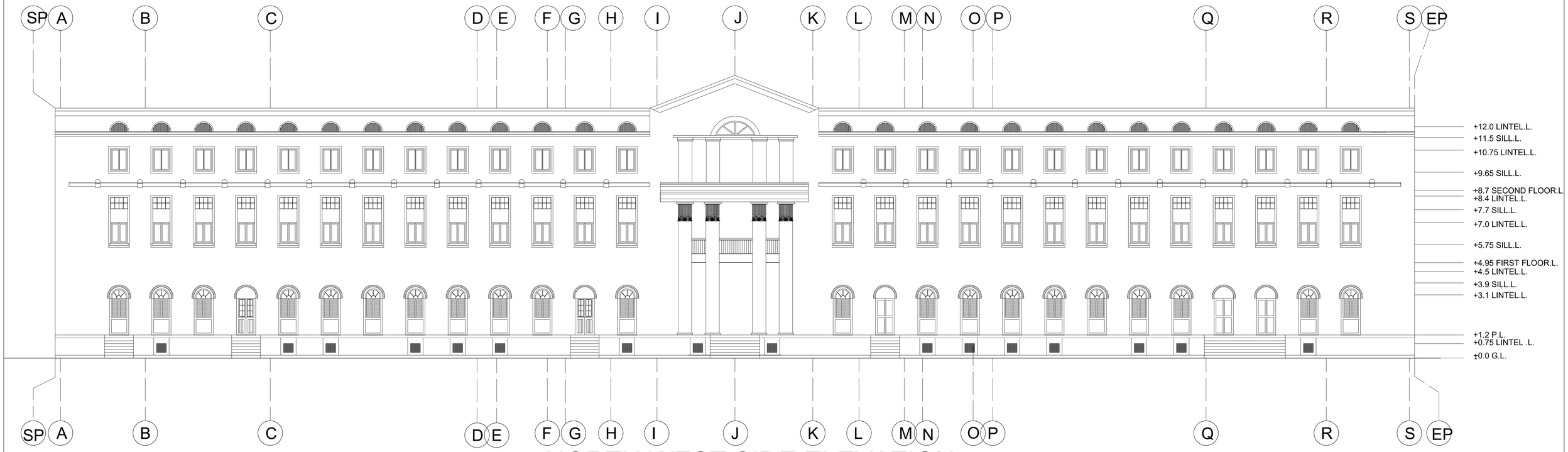
PLAN



DETAIL OF STAIRCASE NOSING AND RAILING

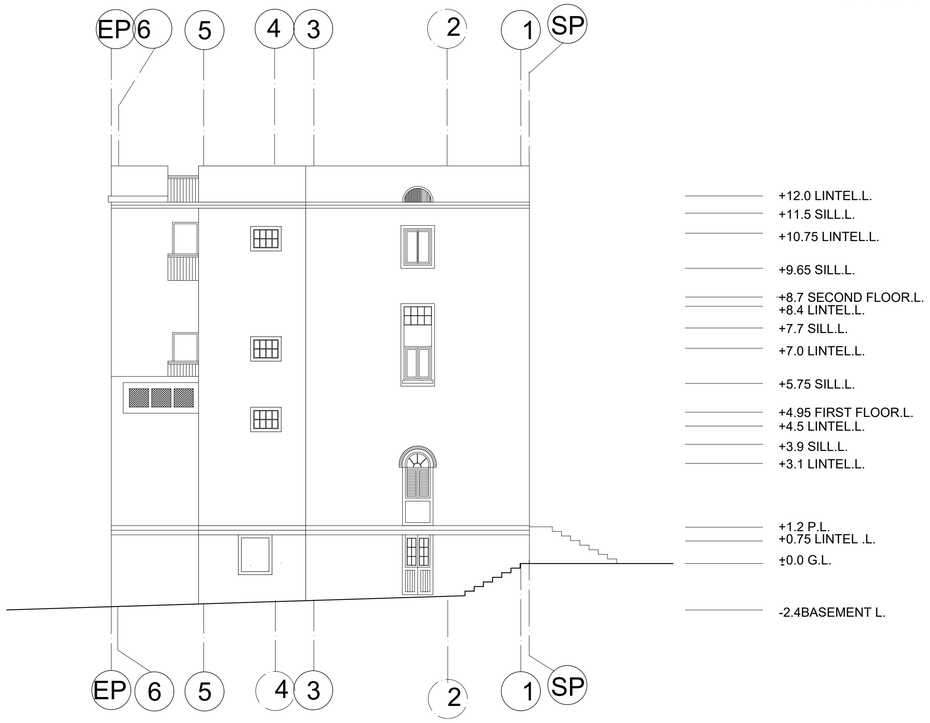






NORTH WEST SIDE ELEVATION

SCALE - 1 : 100

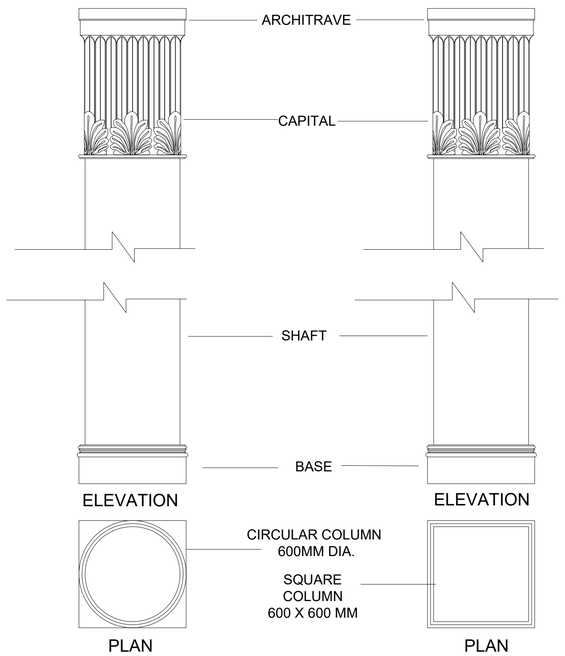


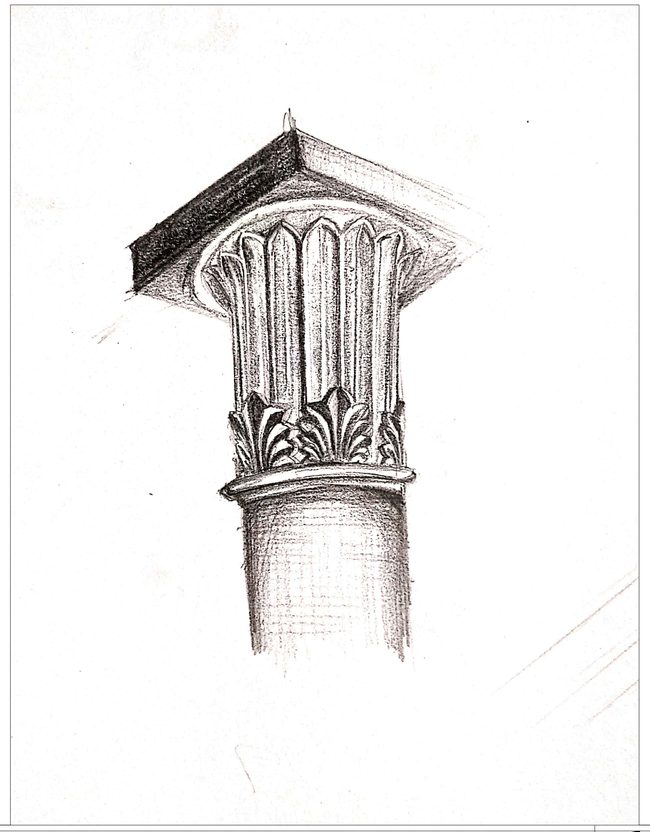
NORTH EAST SIDE ELEVATION

SCALE - 1 : 100

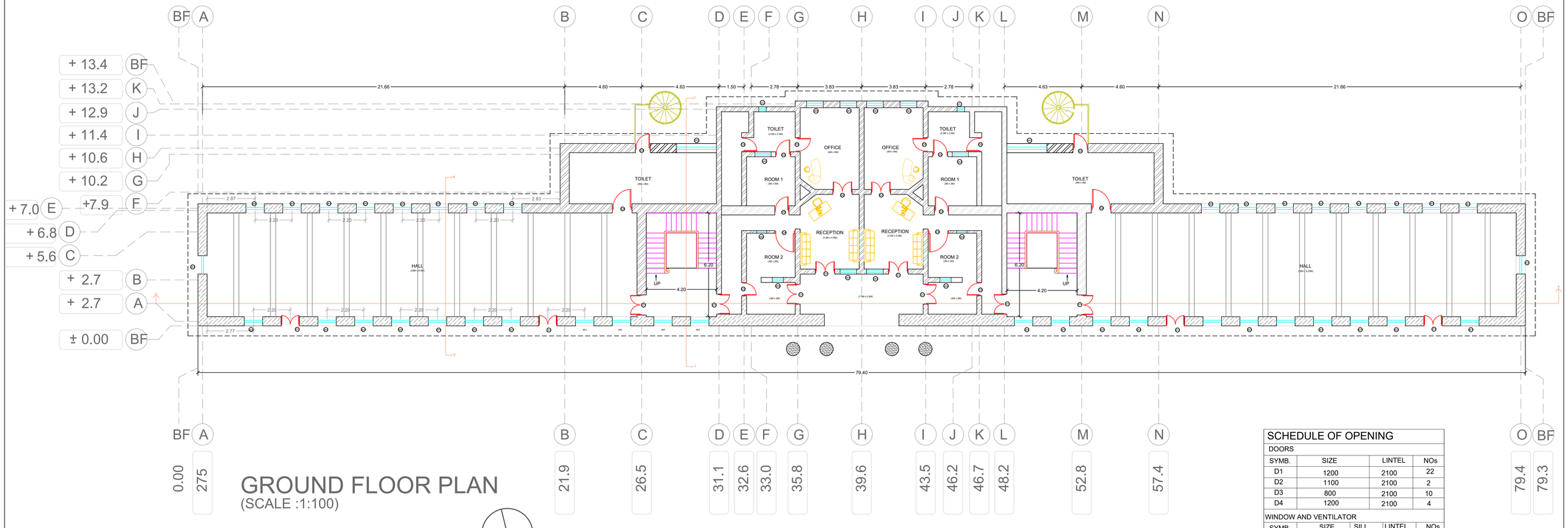
COLUMN DETAILS

SCALE - 1 : 20





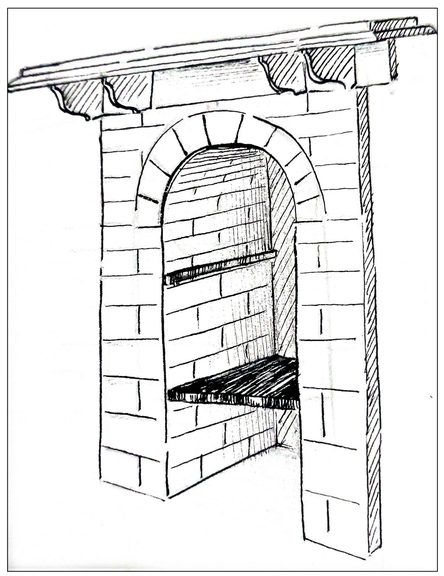
HAIG - BROWN BARNES SCHOOL DEOLALI, NASHIK

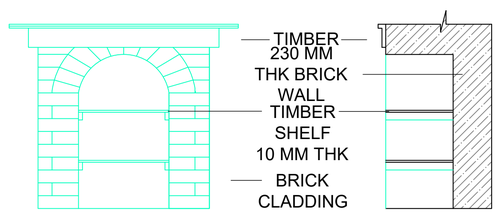


GROUND FLOOR PLAN
(SCALE :1:100)

SCHEDULE OF OPENING			
DOORS			
SYMB.	SIZE	LINTEL	NOs
D1	1200	2100	22
D2	1100	2100	2
D3	800	2100	10
D4	1200	2100	4
WINDOW AND VENTILATOR			
SYMB.	SIZE	SILL	LINTEL	NOs
W1	1100	1000	2100	40
W2	2400	1000	2100	2
W3	900	1000	2100	8
W4	600	1000	2100	2
V1	600	2100	2770	8
V2	500	2100	2770	2
V3	400	1000	2100	2

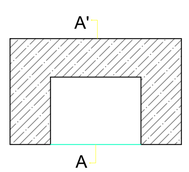
FIRE PIT DETAIL:





ELEVATION

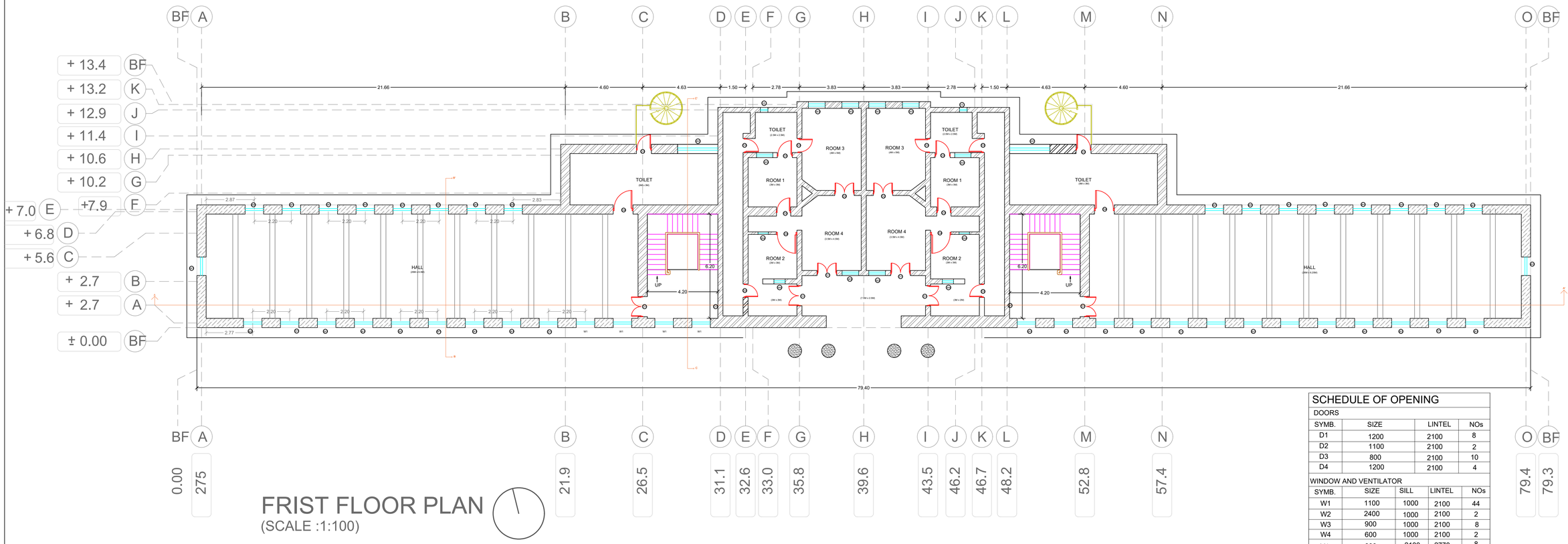
SECTION A - A'



PLAN

SCALE - 1:15

LLOYD BARNES SCHOOL,DEOLALI ,NASHIK



FRIST FLOOR PLAN
(SCALE :1:100)

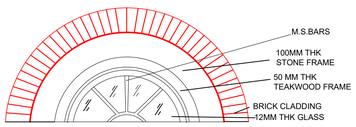
SCHEDULE OF OPENING

DOORS

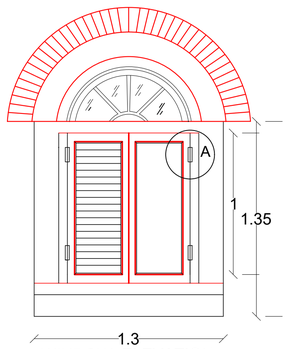
SYMB.	SIZE	LINTEL	NOs
D1	1200	2100	8
D2	1100	2100	2
D3	800	2100	10
D4	1200	2100	4

WINDOW AND VENTILATOR

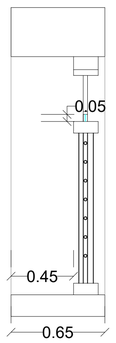
SYMB.	SIZE	SILL	LINTEL	NOs
W1	1100	1000	2100	44
W2	2400	1000	2100	2
W3	900	1000	2100	8
W4	600	1000	2100	2
V1	600	2100	2770	8
V2	500	2100	2770	2
V3	400	1000	2100	2



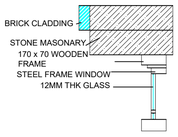
DETAIL OF ARCH



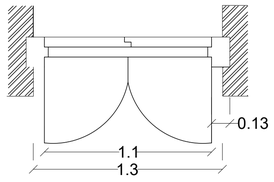
WINDOW ELEVATION

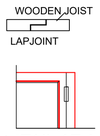


WINDOW SECTION



SECTION OF ARCH

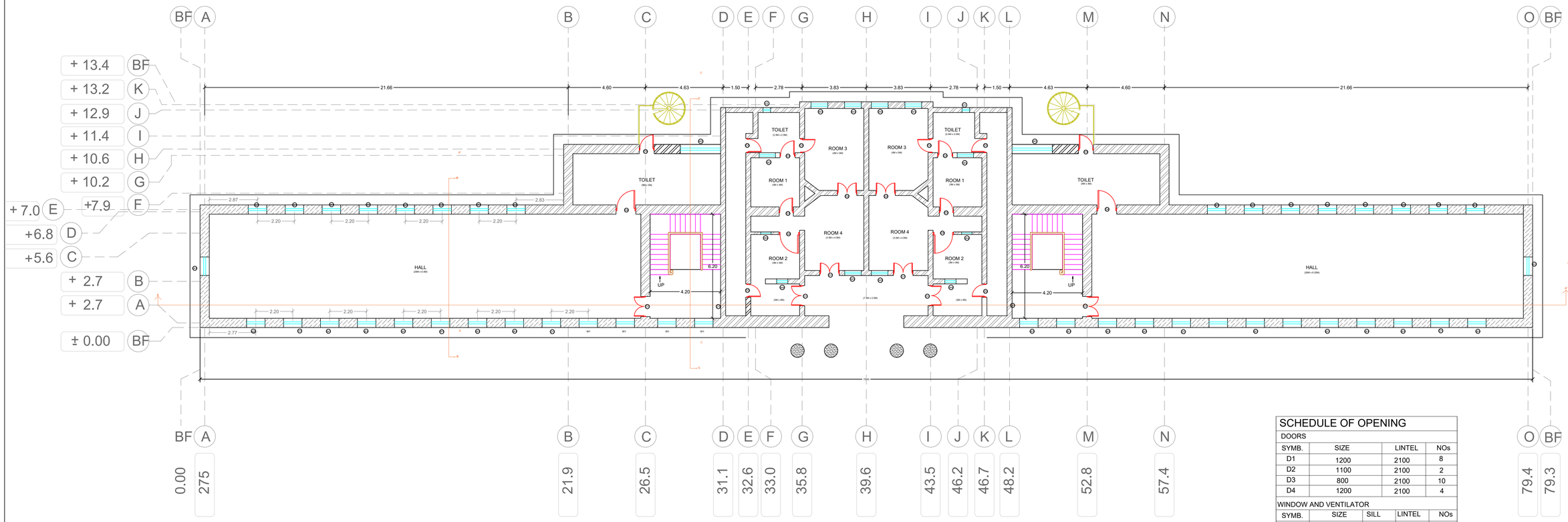




DETAIL AT A

WOODEN TRUSS

LLOYD BARNES SCHOOL,DEOLALI ,NASHIK



SCHEDULE OF OPENING

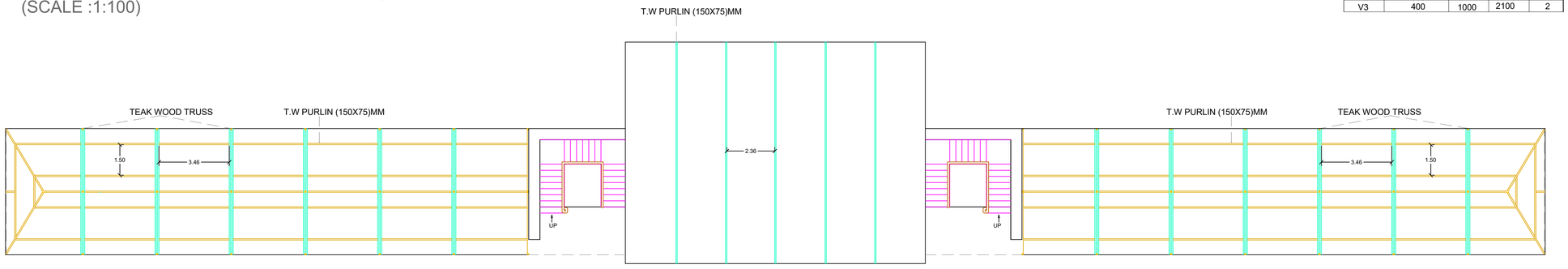
DOORS

SYMB.	SIZE	LINTEL	NOs
D1	1200	2100	8
D2	1100	2100	2
D3	800	2100	10
D4	1200	2100	4

WINDOW AND VENTILATOR

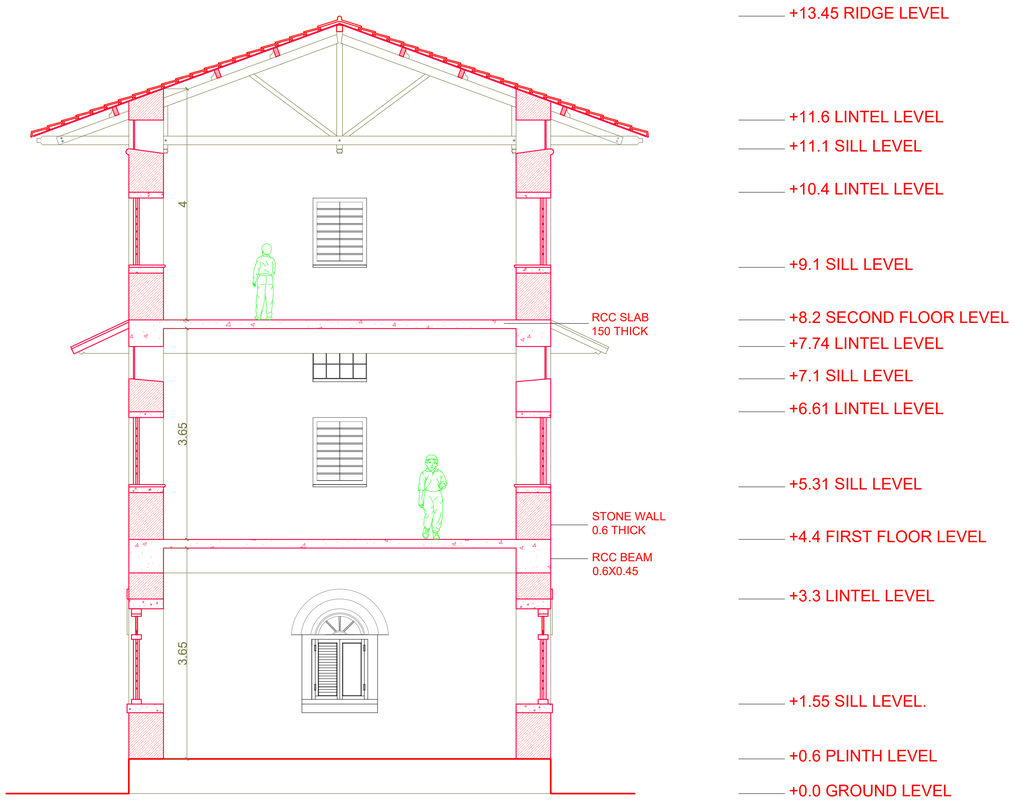
SYMB.	SIZE	SILL	LINTEL	NOs
W1	1100	1000	2100	44
W2	2400	1000	2100	2
W3	900	1000	2100	8
W4	600	1000	2100	2
V1	600	2100	2770	8
V2	500	2100	2770	2
V3	400	1000	2100	2

SECOND FLOOR PLAN
(SCALE :1:100)

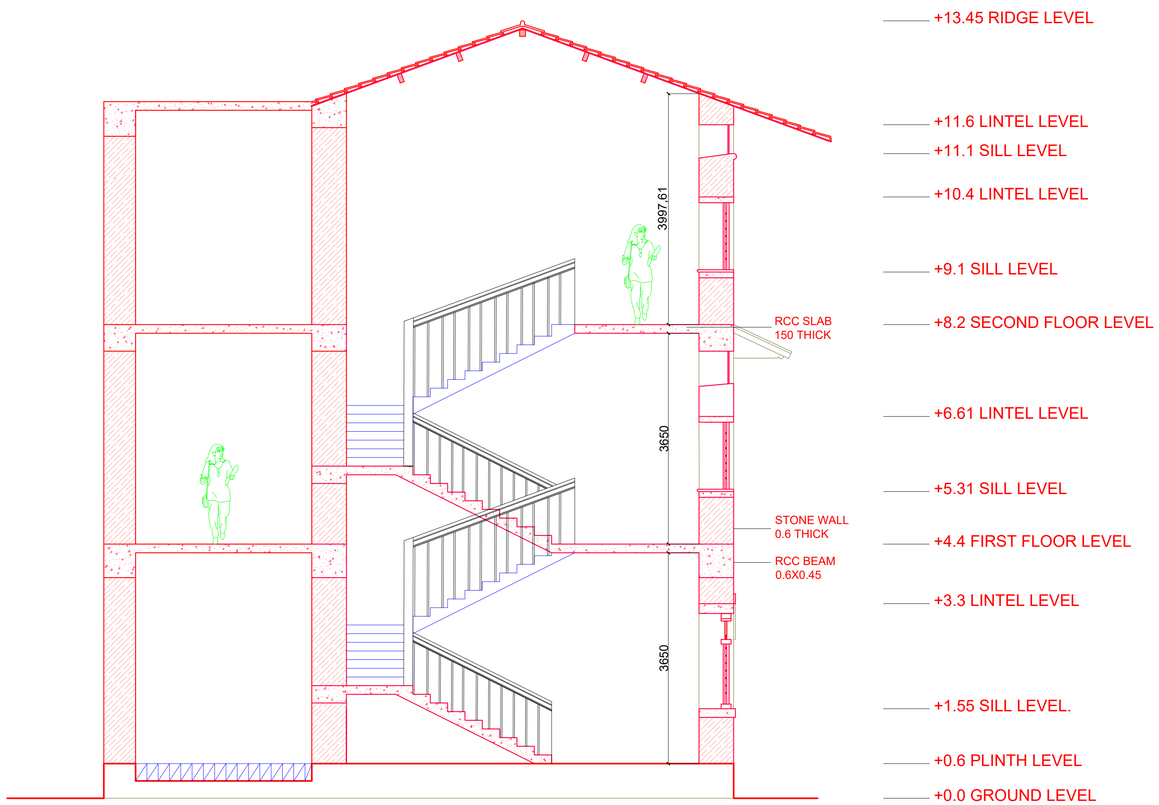


SECOND FLOOR INVERTED ROOFPLAN
(SCALE :1:100)

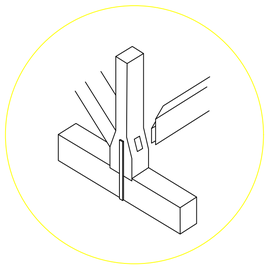
LLOYD BARNES SCHOOL,DEOLALI ,NASHIK



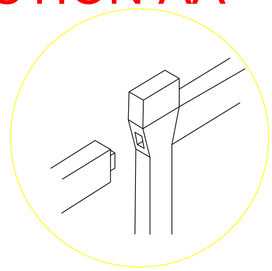
SECTION AA'



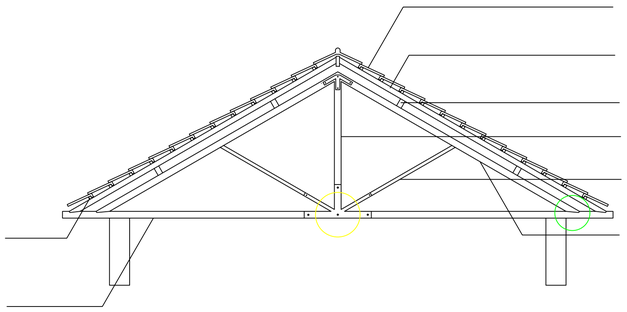
SECTION BB'



TENON AND MORTICE JOINT IN KING POST AND STRUT



TENON AND MORTICE JOINT IN KING POST AND STRUTS WITH M.S. STRAPS



BATTENS

TIE BEAM

MANGLORE TILES

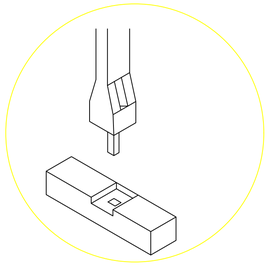
COMMOM RAFTER

PURLINS

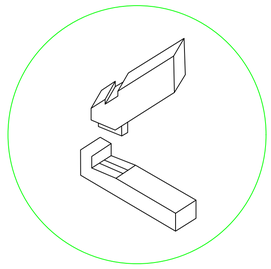
KING POST

STRUT

PRINCIPLE RAFTAR

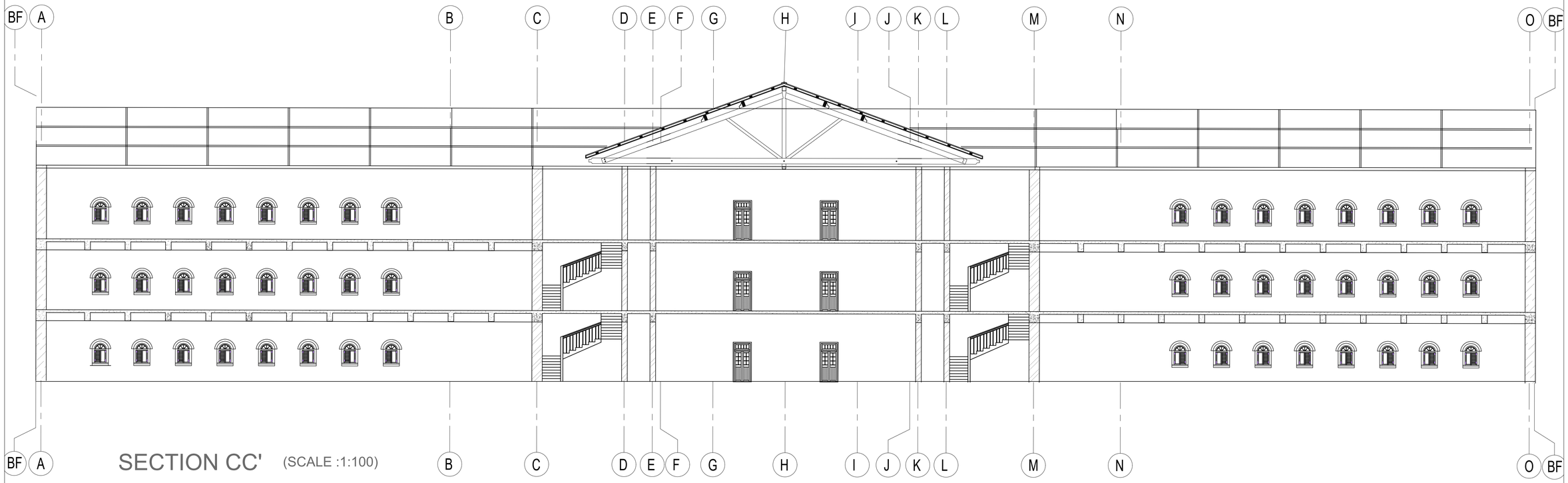


TENON AND MORTICE JOINT BETWEEN KING POST AND TIE BEAM

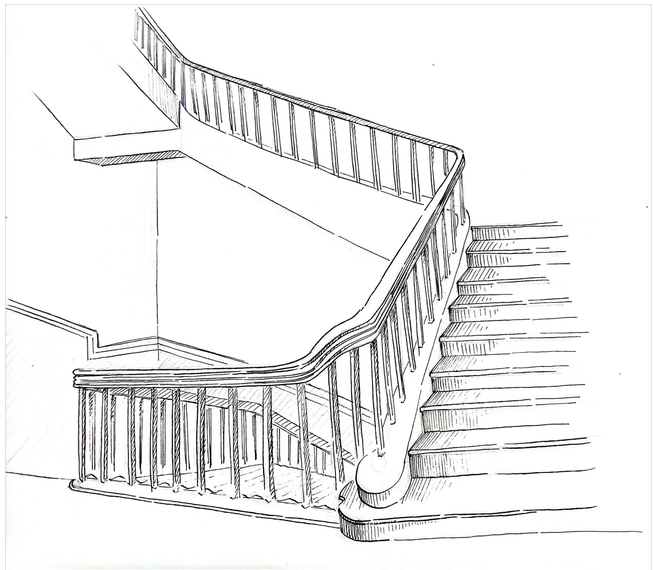


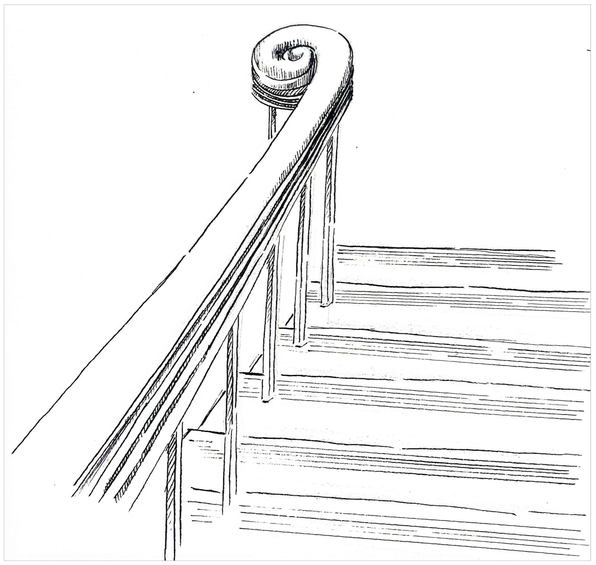
OBLIQUE JOINT BETWEEN TIE BEAM AND PRINCIPLE RAFTER

LLOYD BARNES SCHOOL DEOLALI ,NASHIK

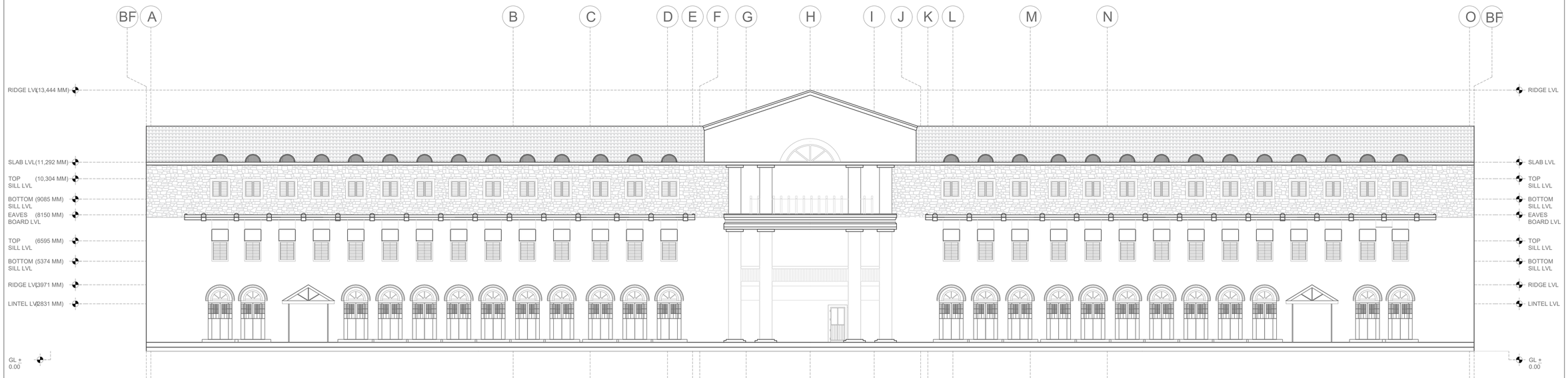


SECTION CC' (SCALE :1:100)

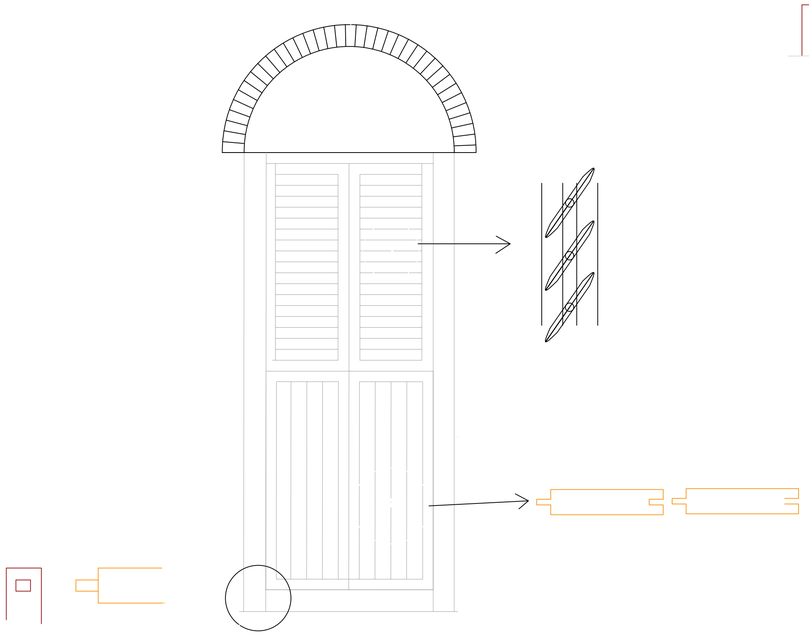


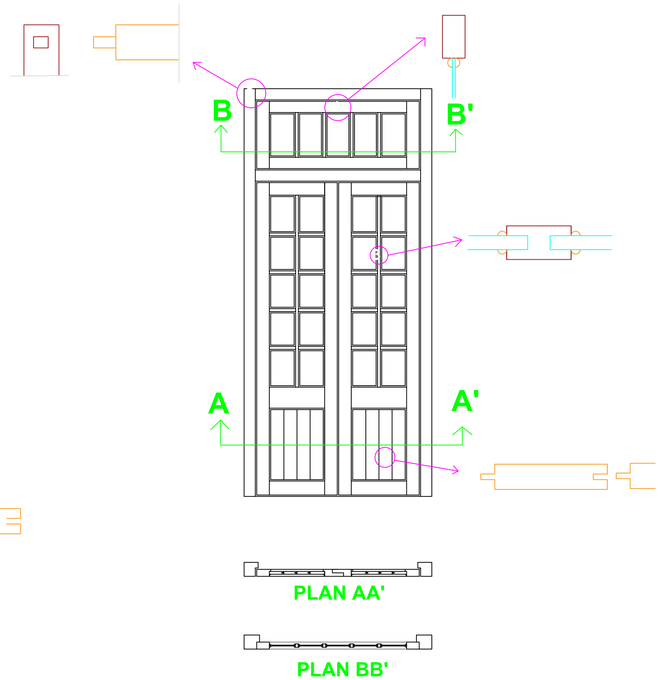


LLOYD BARNES SCHOOL,DEOLALI ,NASHIK

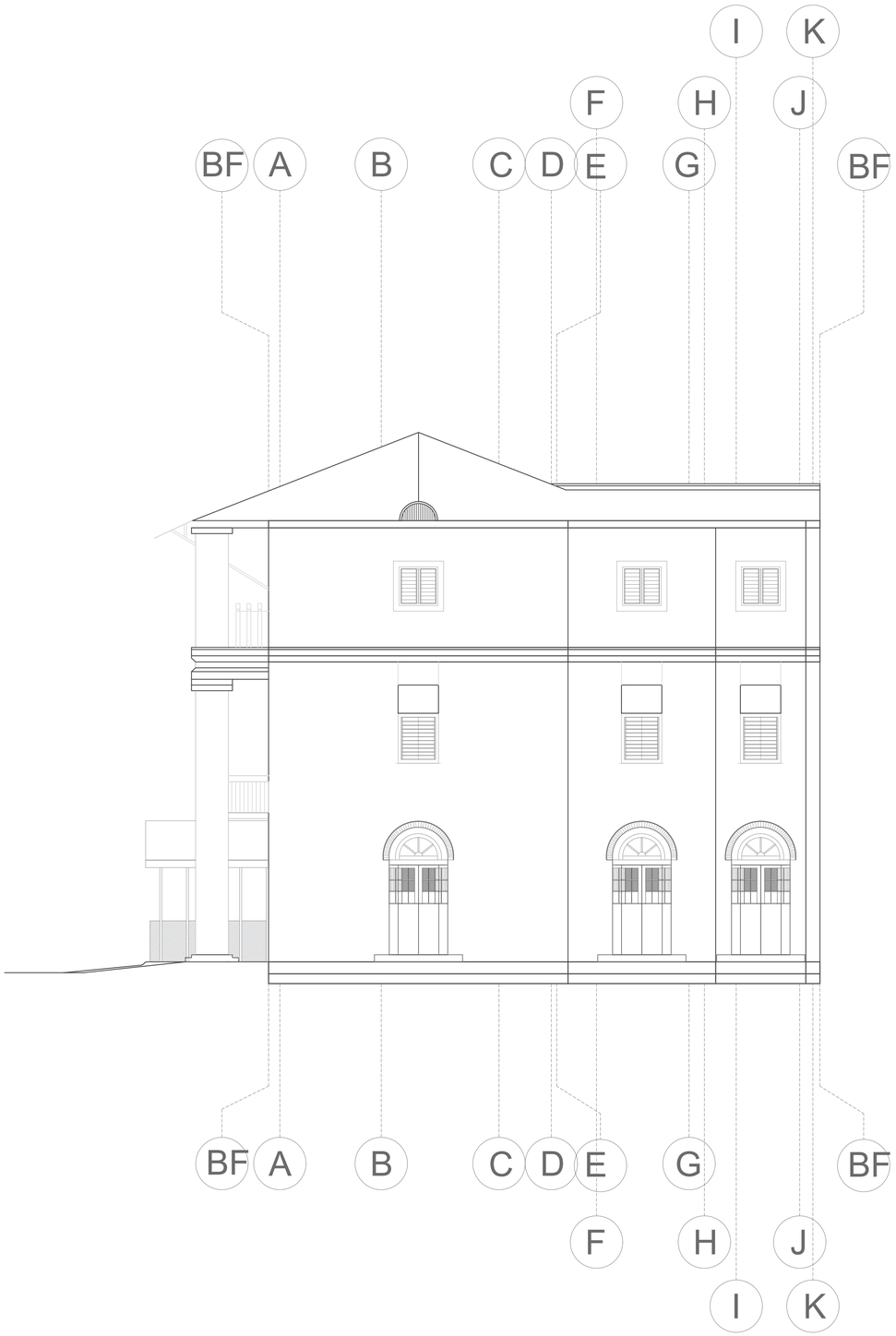


SOUTH ELEVATION (SCALE :1:100)





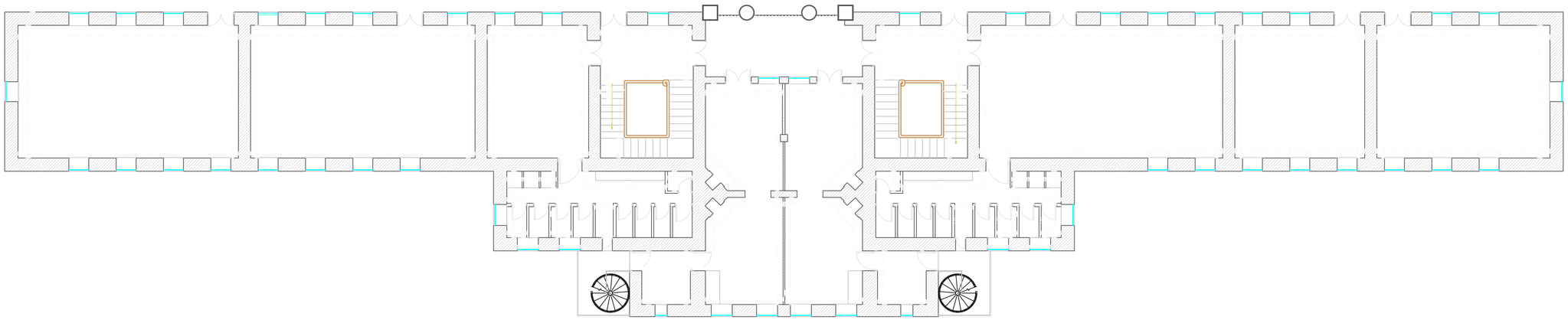
LLOYD BARNES SCHOOL,DEOLALI ,NASHIK



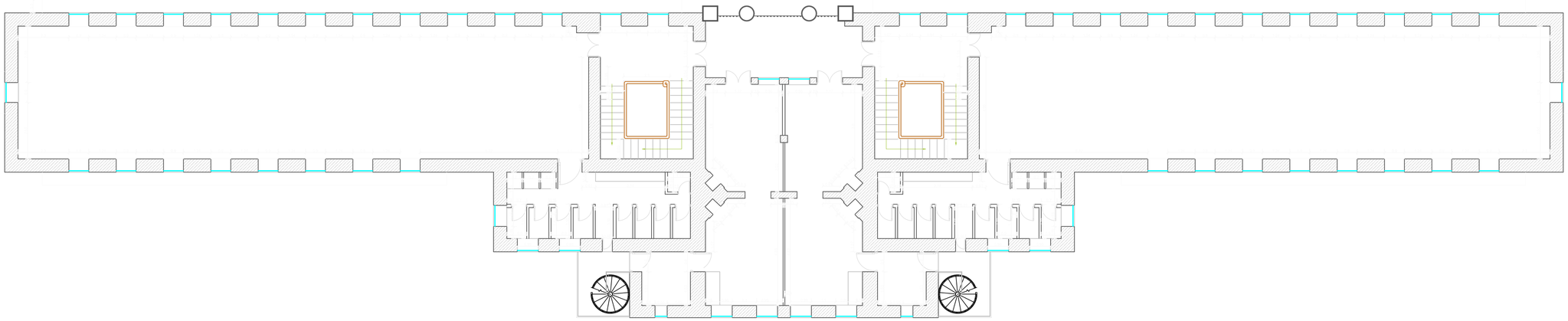
WEST ELEVATION (SCALE :1:100)

EAST ELEVATION (SCALE :1:100)

LLOYD BARNES SCHOOL,DEOLALI ,NASHIK

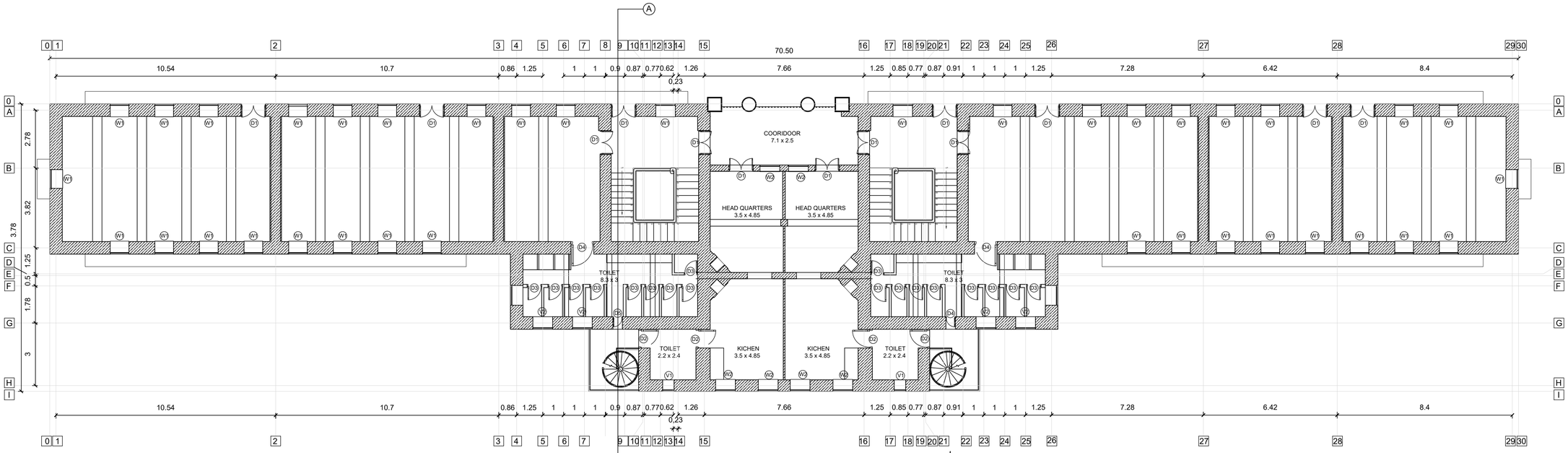


GROUND FLOOR PLAN

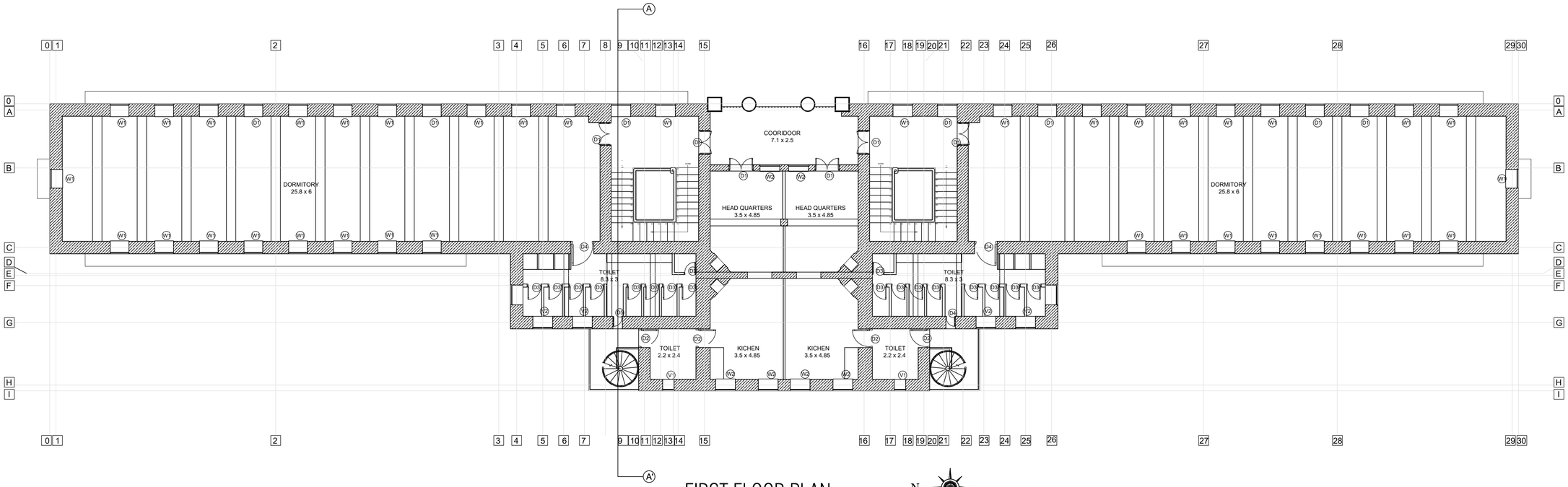


FIRST FLOOR PLAN

BARNES SCHOOL DOCUMENTATION

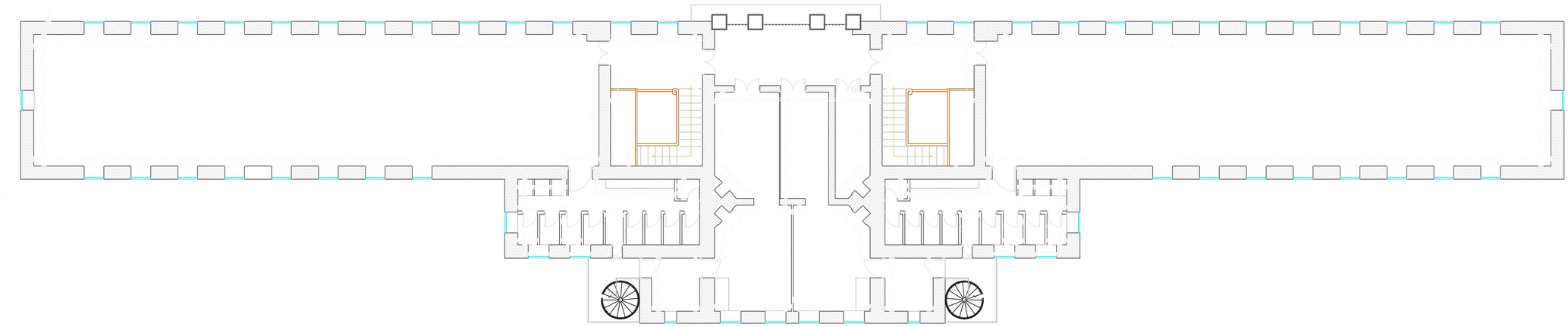


GROUND FLOOR PLAN

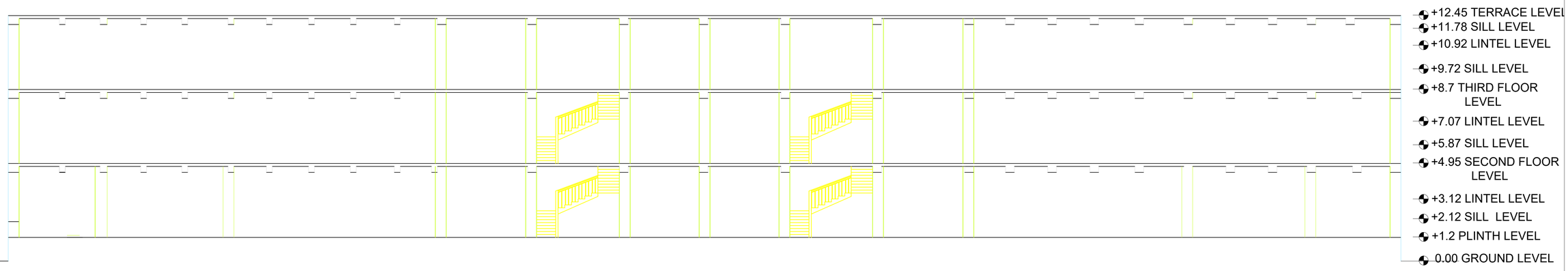


FIRST FLOOR PLAN

BARNES SCHOOL DOCUMENTATION

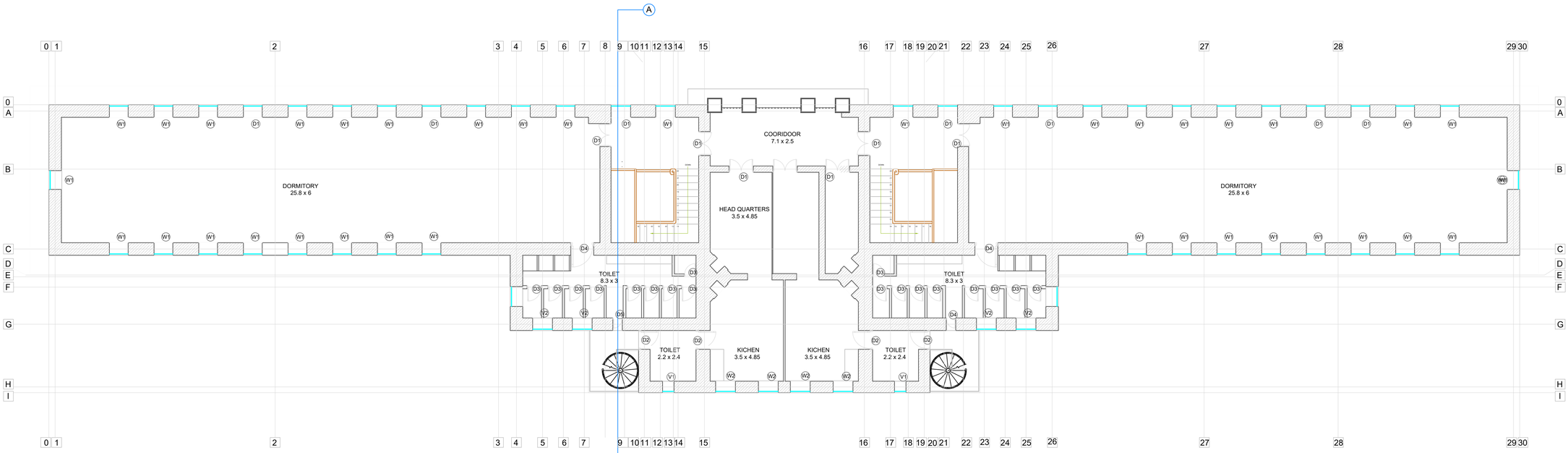


SECOND FLOOR PLAN



SECTION B-B'

BARNES SCHOOL DOCUMENTATION

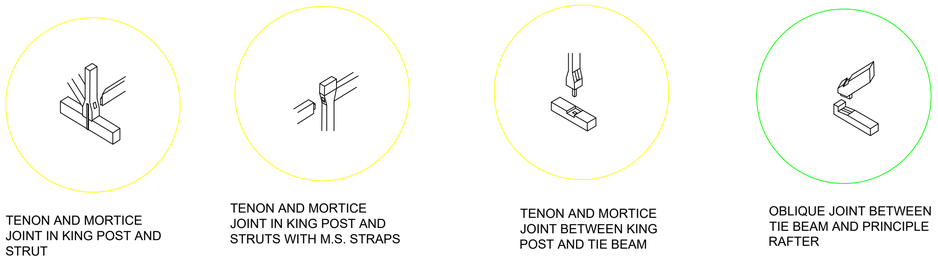


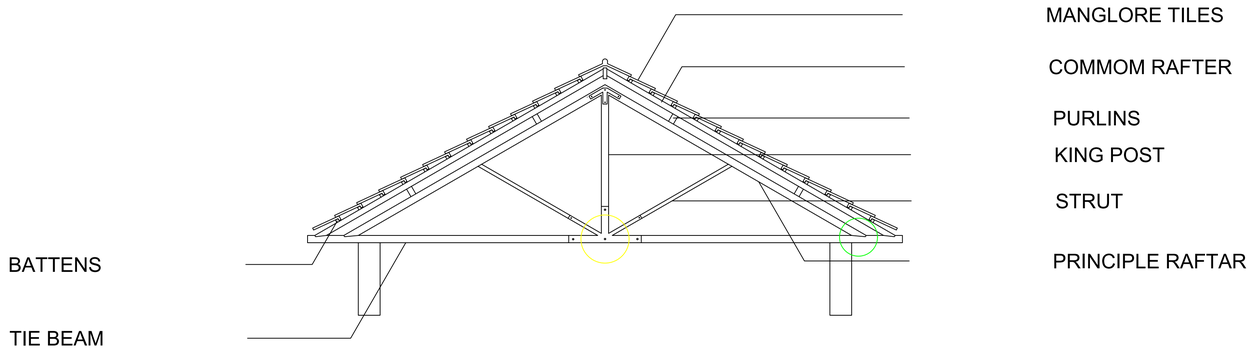
SECOND FLOOR PLAN

EAST ELEVATION

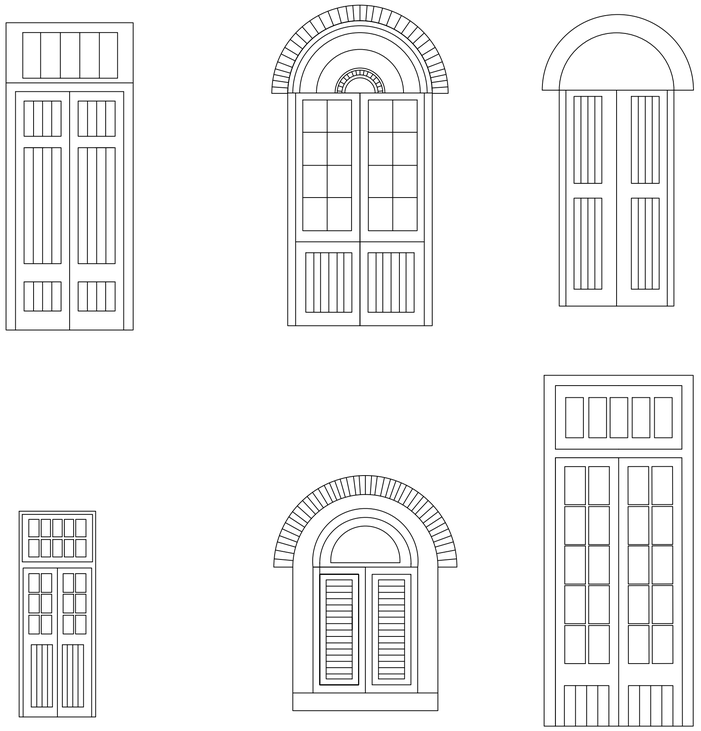
BARNES SCHOOL DOCUMENTATION

SECTION A-A'





ROOOF DETAILS



TYPES OF WINDOWS

BARNES SCHOOL DOCUMENTATION