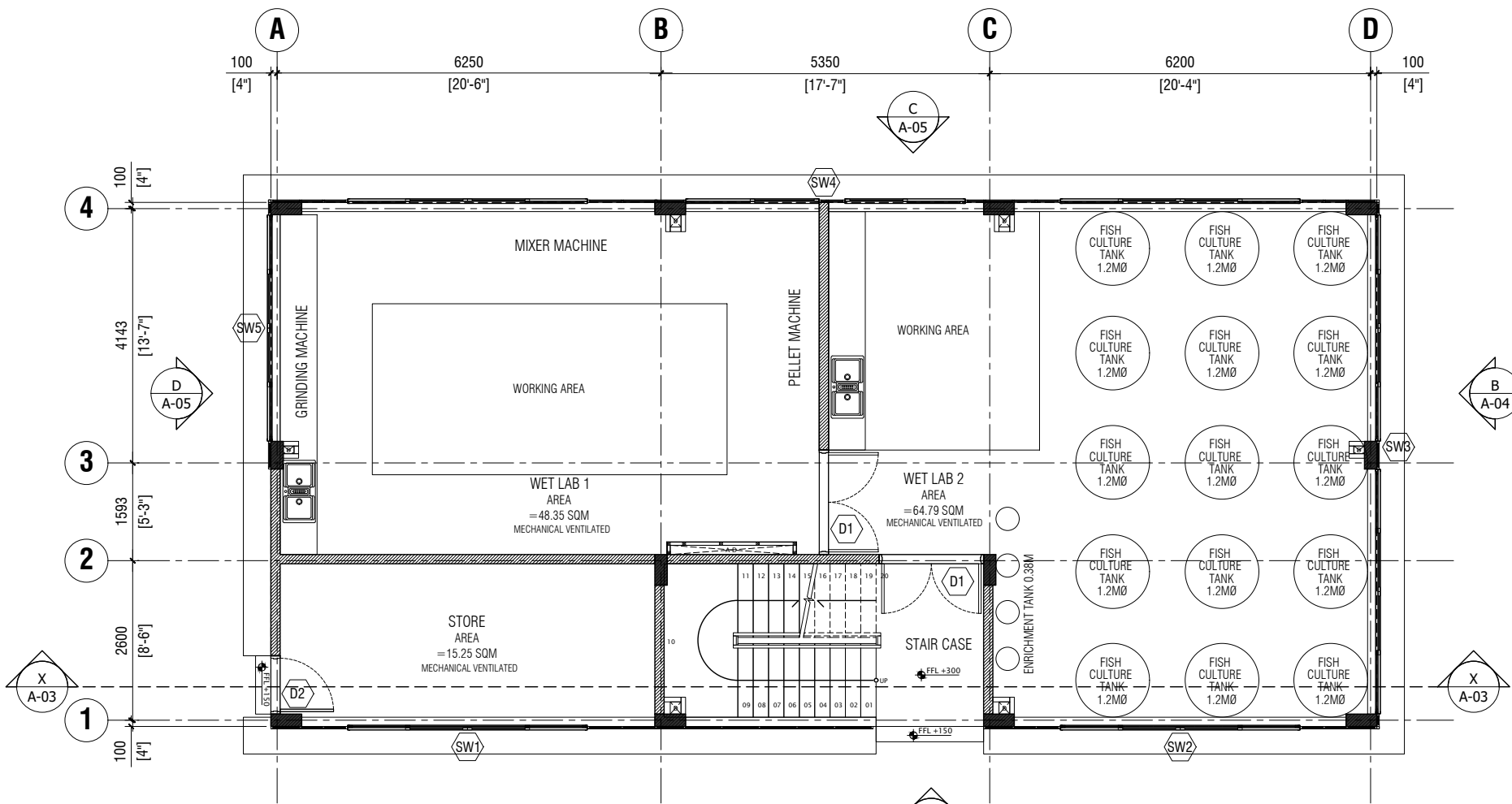


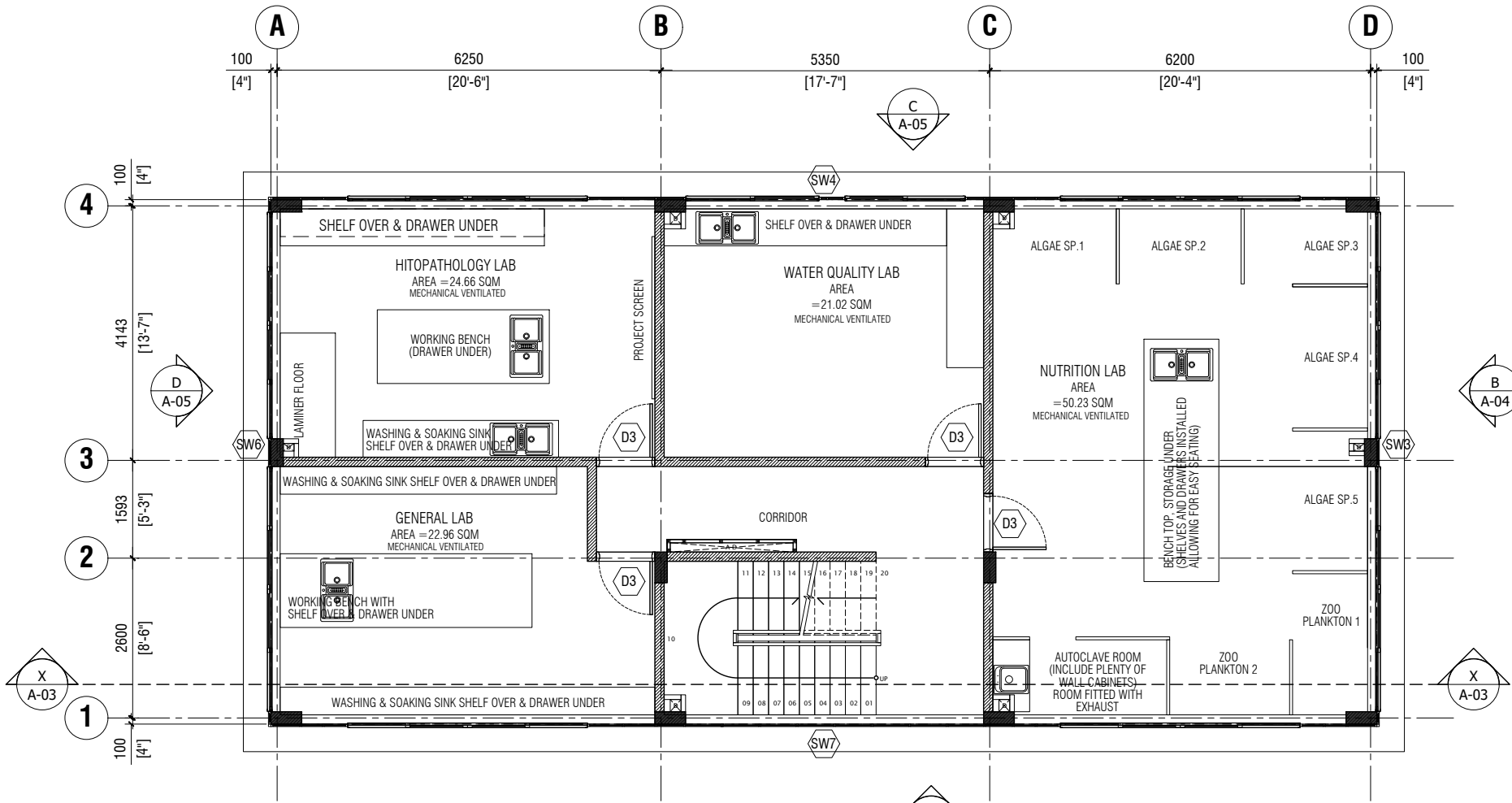
Maldives Sustainable Fisheries Resources Development Project
Marine Research Center, Ministry of Fisheries and Agriculture



LEGEND
D DUCT
AD AC PIPE DUCT

GROUND FLOOR PLAN
SCALE 1:100

FINISHES:
FLOOR FINISH
- 600x600MM WHITE HOMOGENEOUS TILES FOR CLASSROOM ETC.
- 600x600MM WHITE HOMOGENEOUS TILES FOR CORRIDORS.
- 600x600MM WHITE HOMOGENEOUS ROUGH NON SLIP TILES FOR WET AREA INCLUDING TERRACE FLOOR.
FLOOR FINISH
- INTERIOR WALLS WHITE SMOOTH PAINT FINISH
- EXTERIOR WALLS WHITE ROUGH PAINT FINISH



LEGEND
D DUCT
AD AC PIPE DUCT

1ST FLOOR PLAN
SCALE 1:100

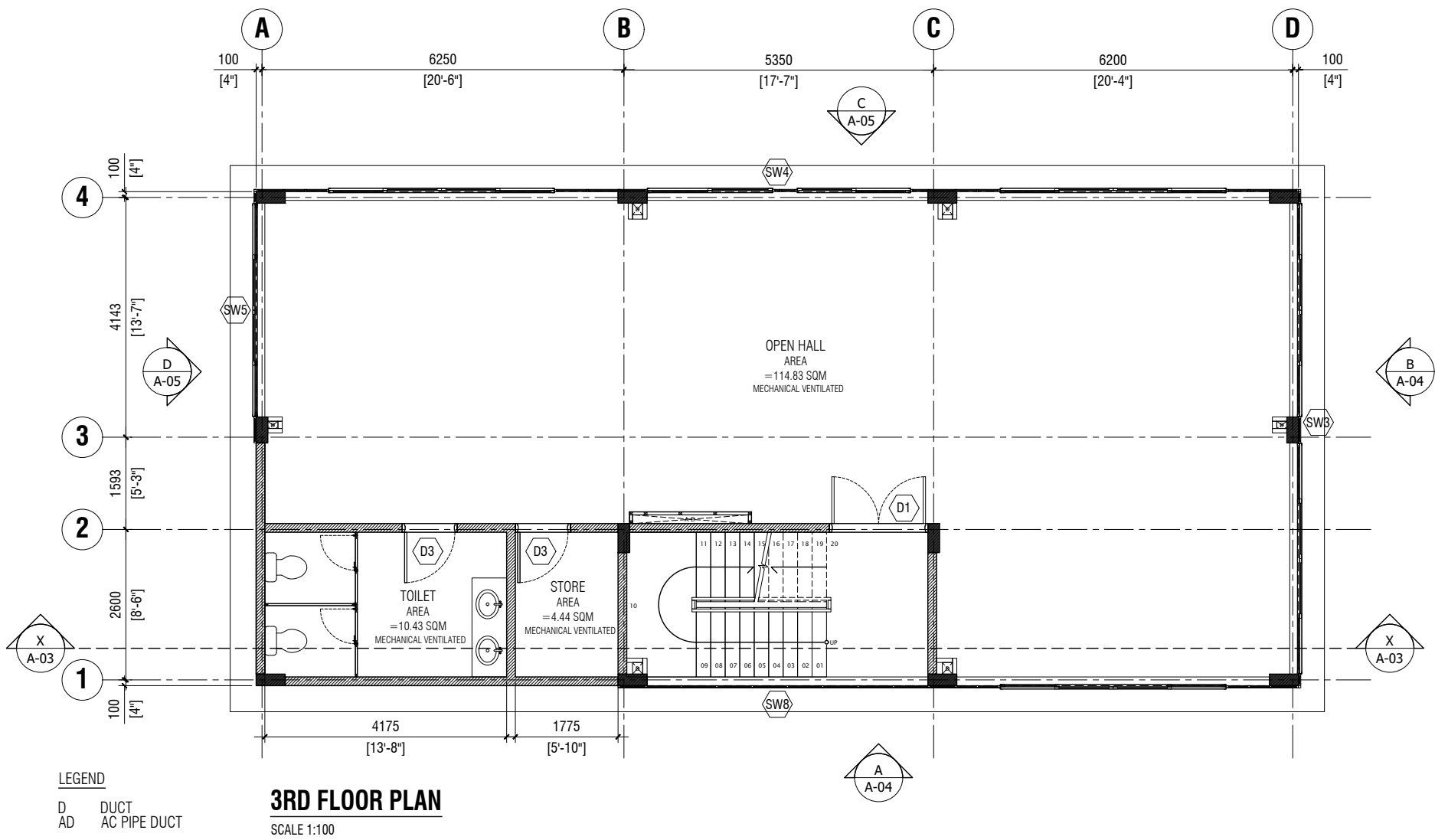
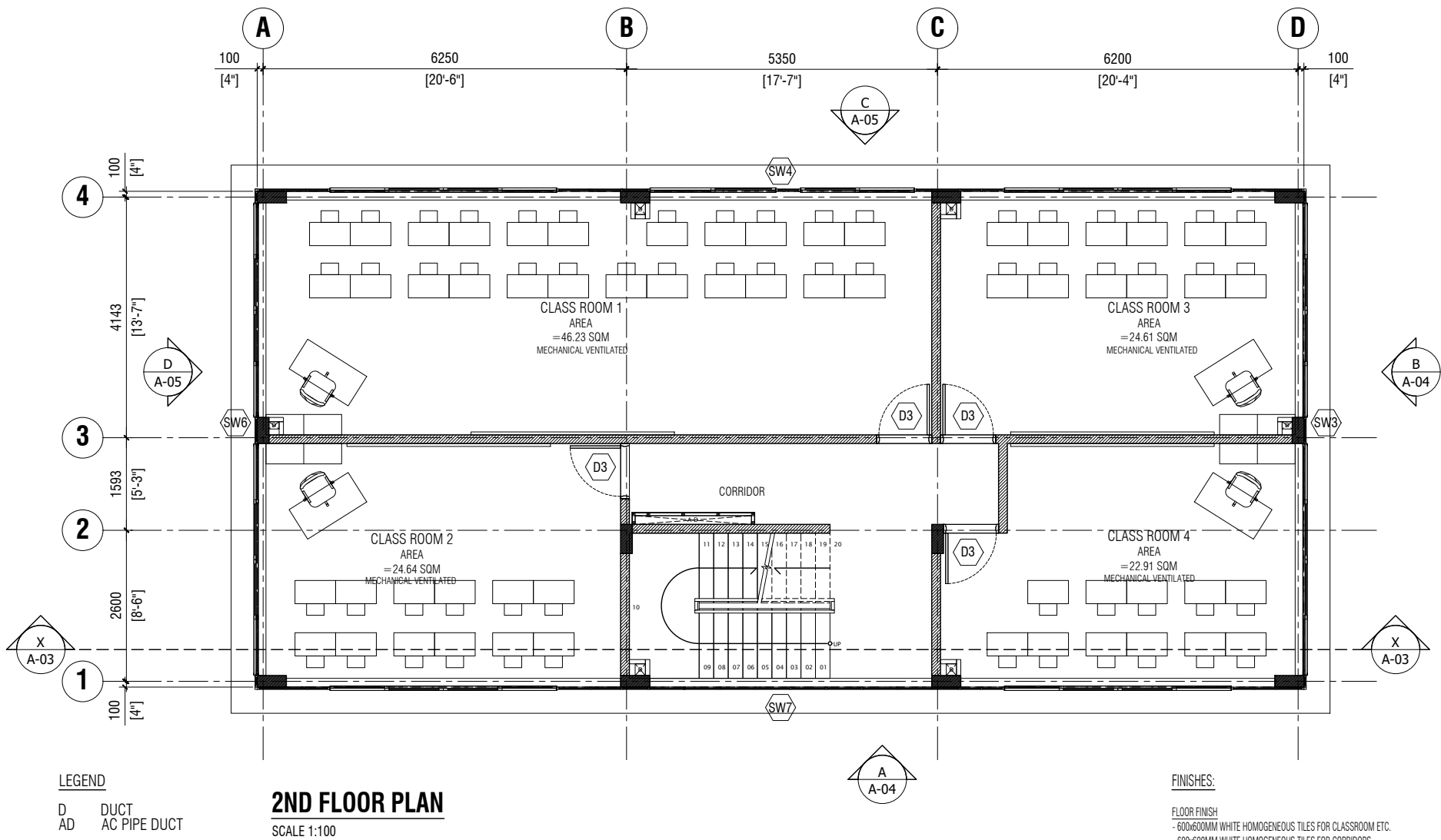
PROJECT: LAB BUILDING
CLIENT: ---
DATE: JAN 2018
DO NOT SCALE THE DRAWING

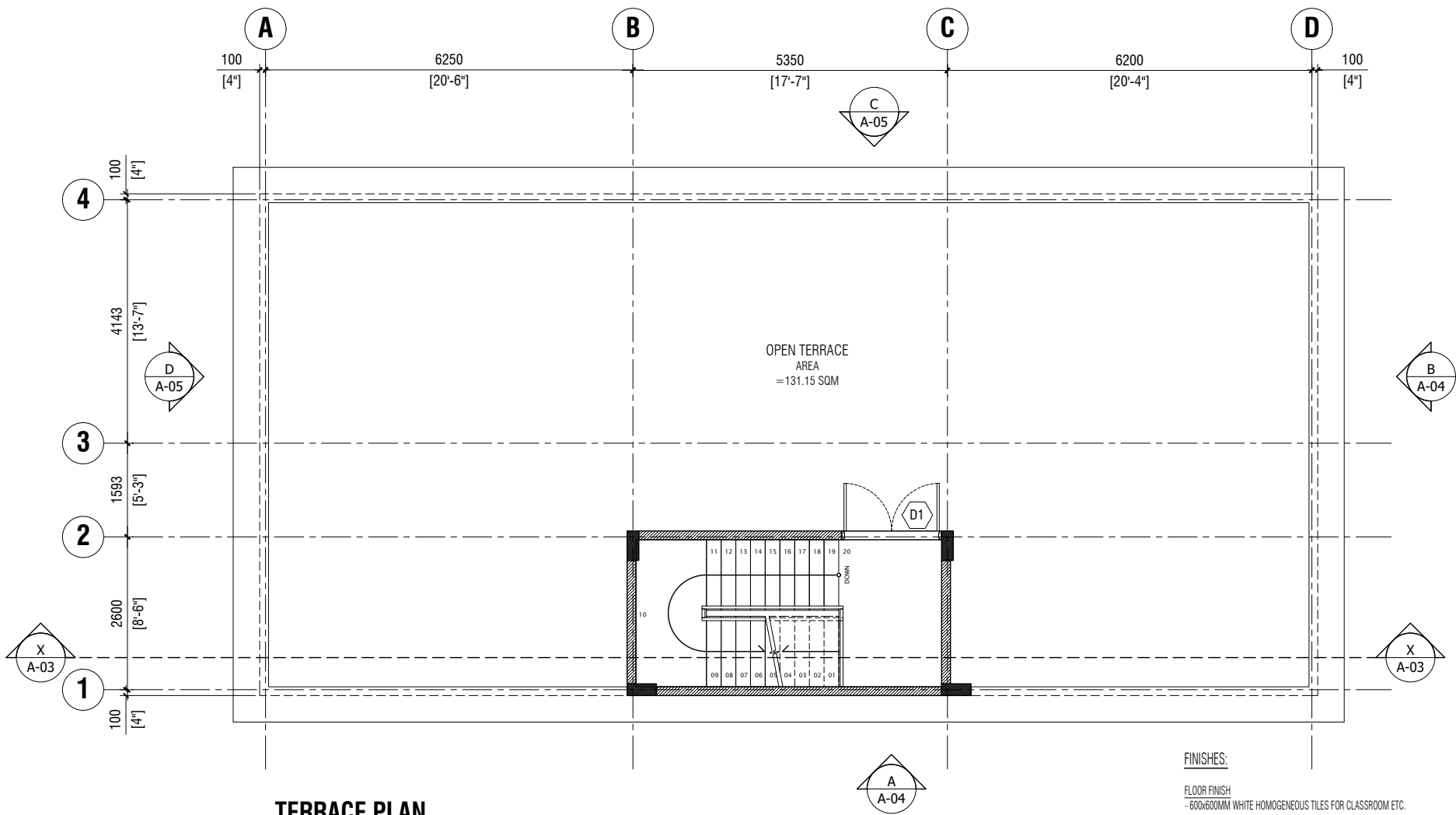
ARCHITECTURAL DESIGN
DRAFTED BY: - HUSSAIN AZEEM
DESIGNED BY: - HUSSAIN ZIYATH

STRUCTURAL DESIGN
DESIGNED BY: - ADAM SAANEEZ
APPROVED BY: - SAMNOON FUAD

DWG NO:
A - 01/ 15

CHARRETTE
STUDIO



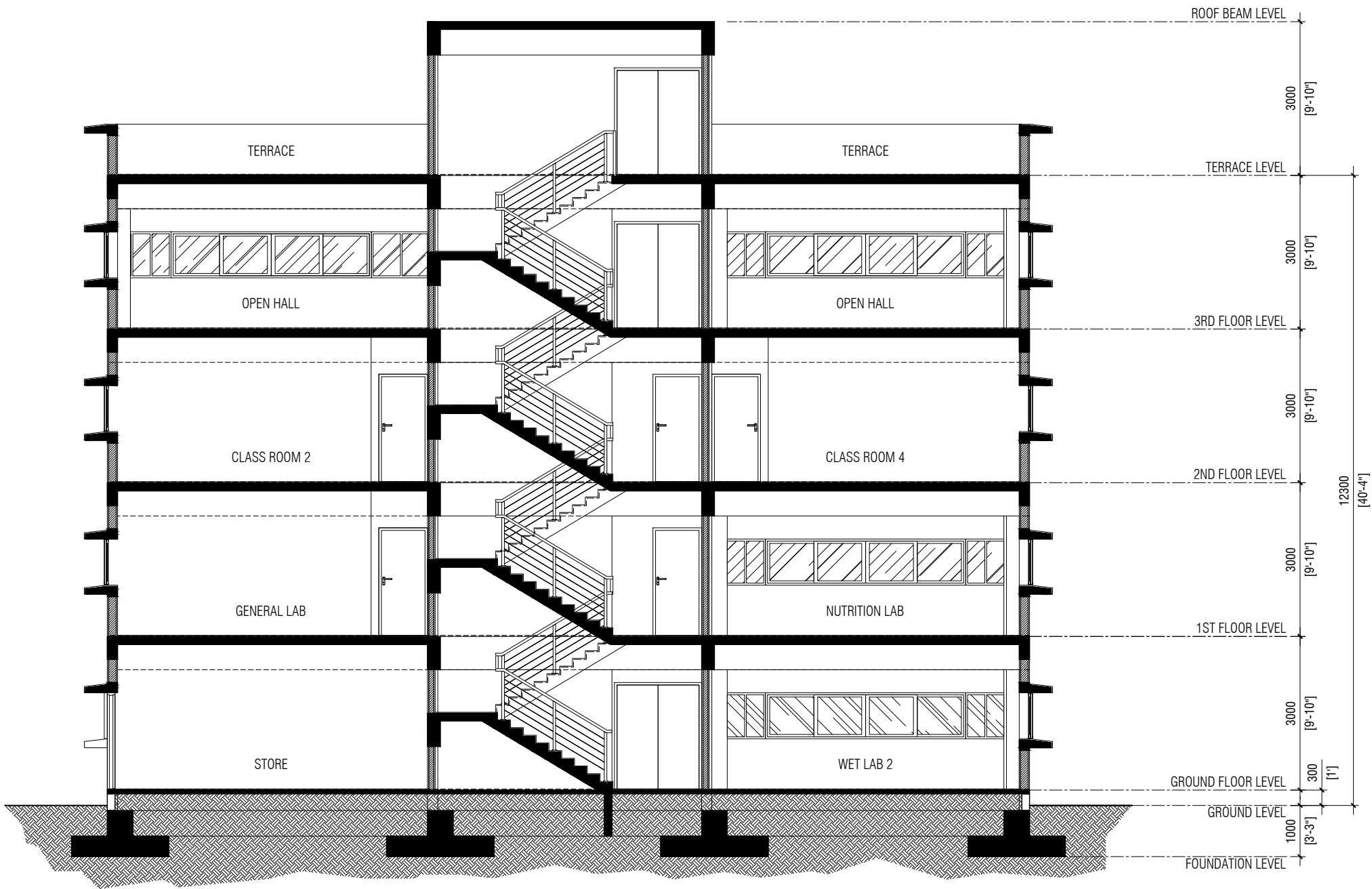


TERRACE PLAN
SCALE 1:100

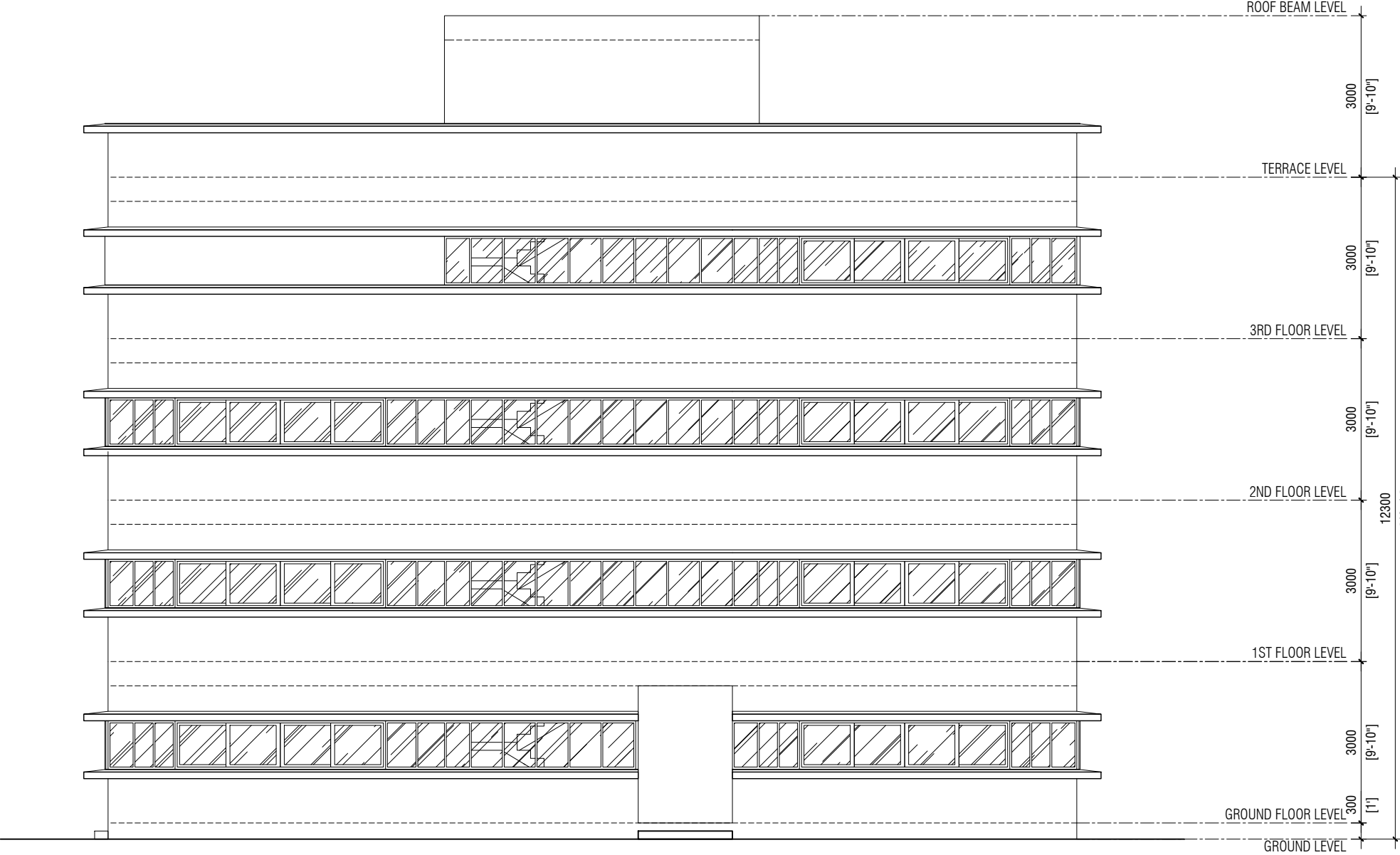
FINISHES:

FLOOR FINISH
- 600x600MM WHITE HOMOGENEOUS TILES FOR CLASSROOM ETC.
- 600x600MM WHITE HOMOGENEOUS TILES FOR CORRIDORS.
- 600x600MM WHITE HOMOGENEOUS ROUGH NON SLIP TILES FOR WET AREA INCLUDING TERRACE FLOOR.

FLOOR FINISH
- INTERIOR WALLS WHITE SMOOTH PAINT FINISH
- EXTERIOR WALLS WHITE ROUGH PAINT FINISH

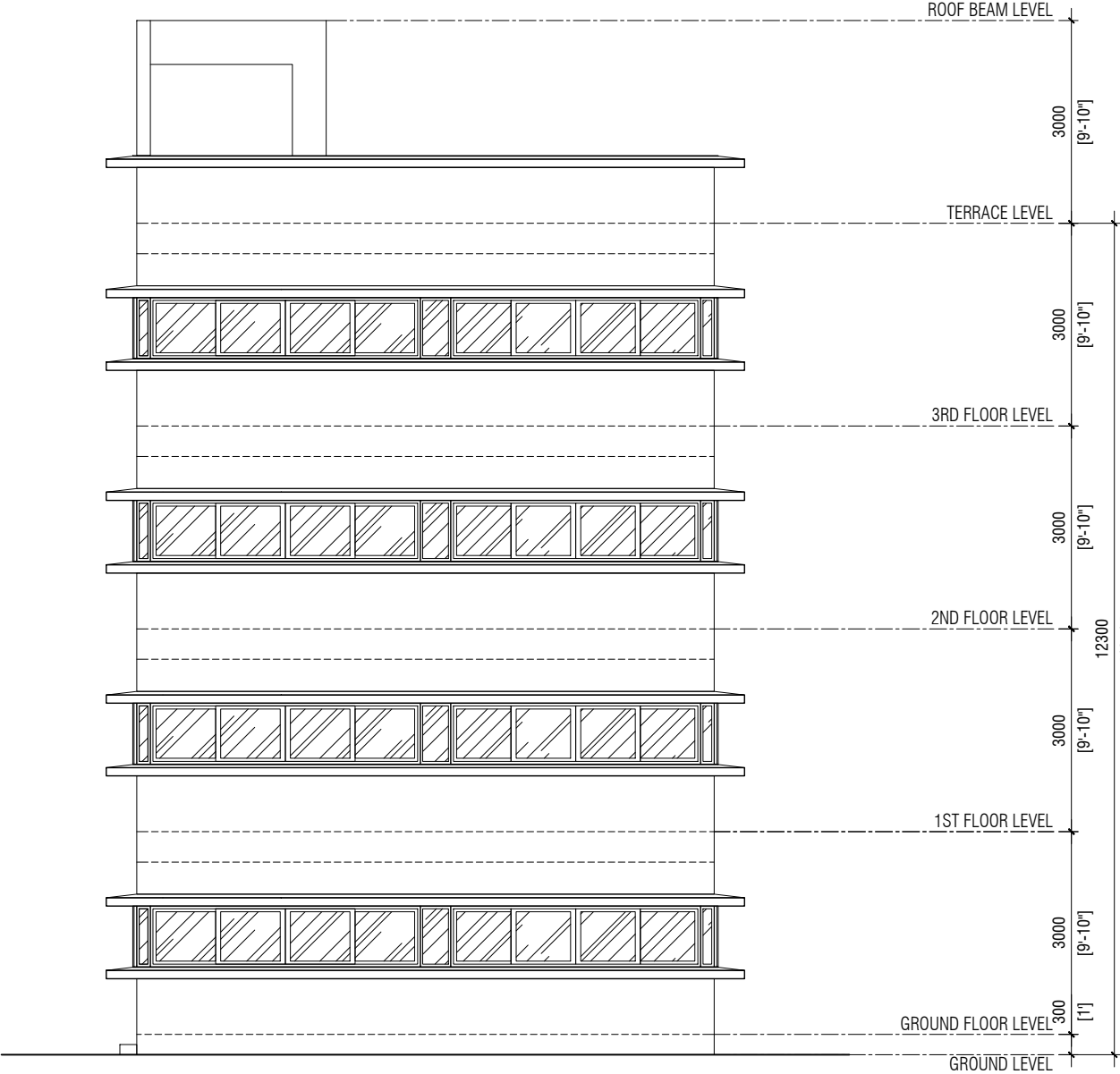


SECTION X-X
SCALE 1:100



ELEVATION A

SCALE 1:100

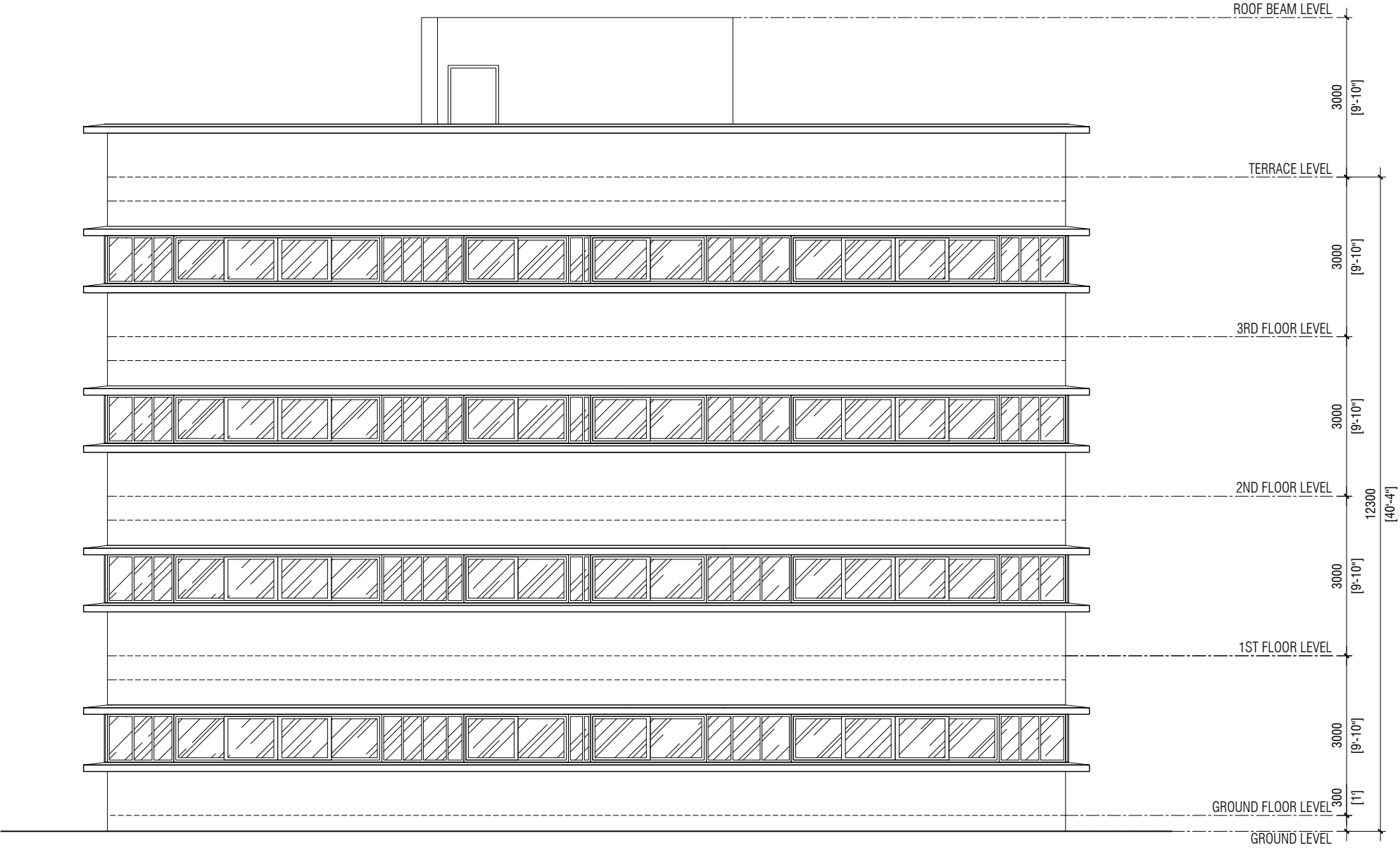


ELEVATION B

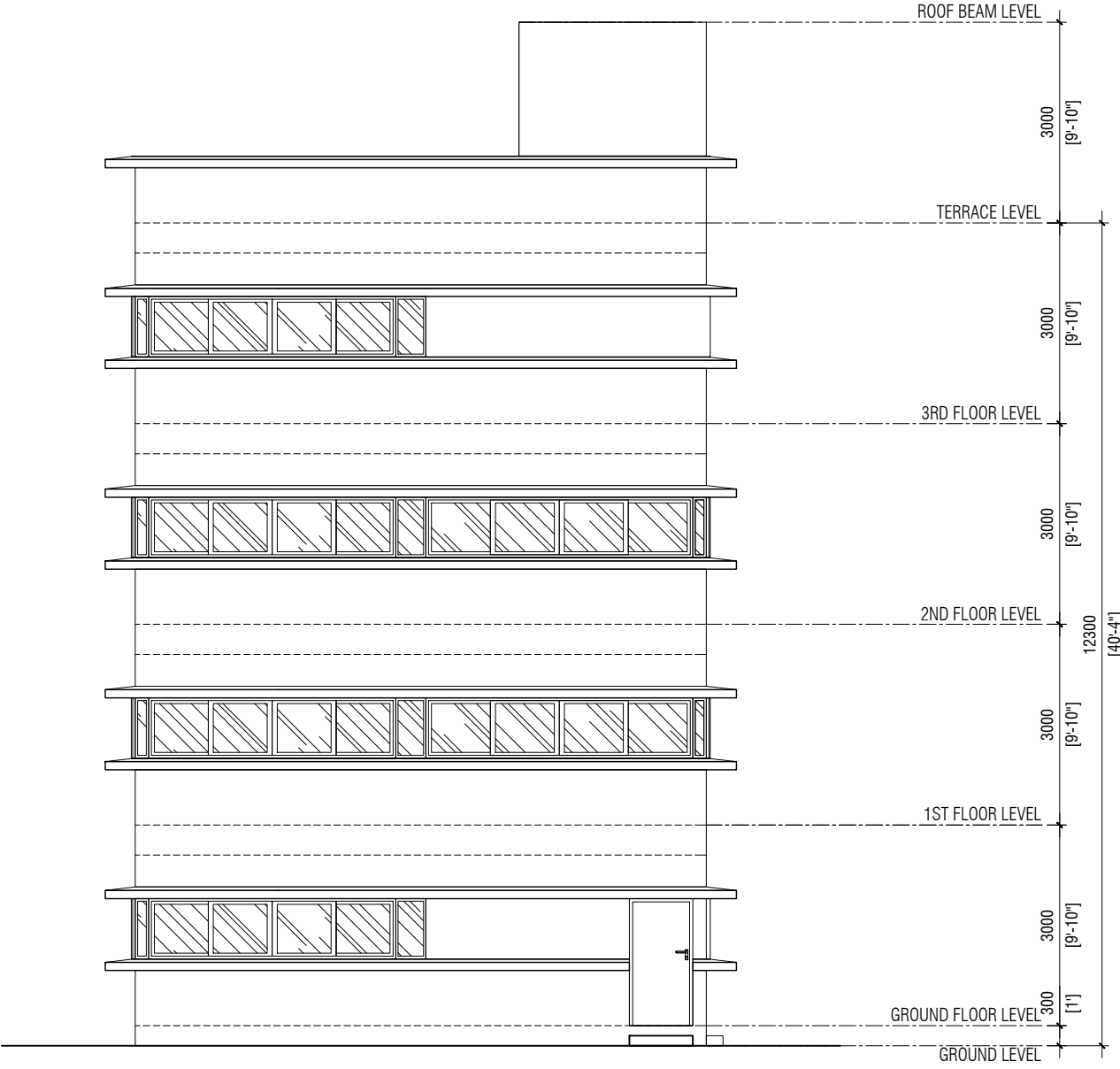
SCALE 1:100

PROJECT: LAB BUILDING	ARCHITECTURAL DESIGN	STRUCTURAL DESIGN	DWG NO:
CLIENT: ---	DRAFTED BY: - HUSSAIN AZEEM	DESIGNED BY: - ADAM SAANEEZ	A - 04/ 15
DATE: JAN 2018	DESIGNED BY: - HUSSAIN ZIYATH	APPROVED BY: - SAMNOON FUAD	
DO NOT SCALE THE DRAWING			

CHARRETTE
STUDIO



ELEVATION C
SCALE 1:100



ELEVATION D
SCALE 1:100

PLAN :			
ELEVATIONS :			
FINISH FLOOR LEVEL			
DR / WD NO.	D2	D3	SW2
DESCRIPTION :	40MM THICK WOOD FRAME OPENABLE DOOR PANEL	40MM THICK WOOD FRAME OPENABLE DOOR PANEL	ALUMINUM FRAME SLIDING WINDOW PANELS
FRAME :	120MM THICK TIMBER FRAME	120MM THICK TIMBER FRAME	80 MICRON WHITE POWDER COATED ALUMINUM FRAME
GLAZING :	6MM THICK HEAT REFLECTIVE GLASS	6MM THICK HEAT REFLECTIVE GLASS	6MM THICK HEAT REFLECTIVE GLASS
VEN. AREA :	1.57 SQ.M	1.74 SQ.M	1.59 SQ.M

KEY

G - GLASS

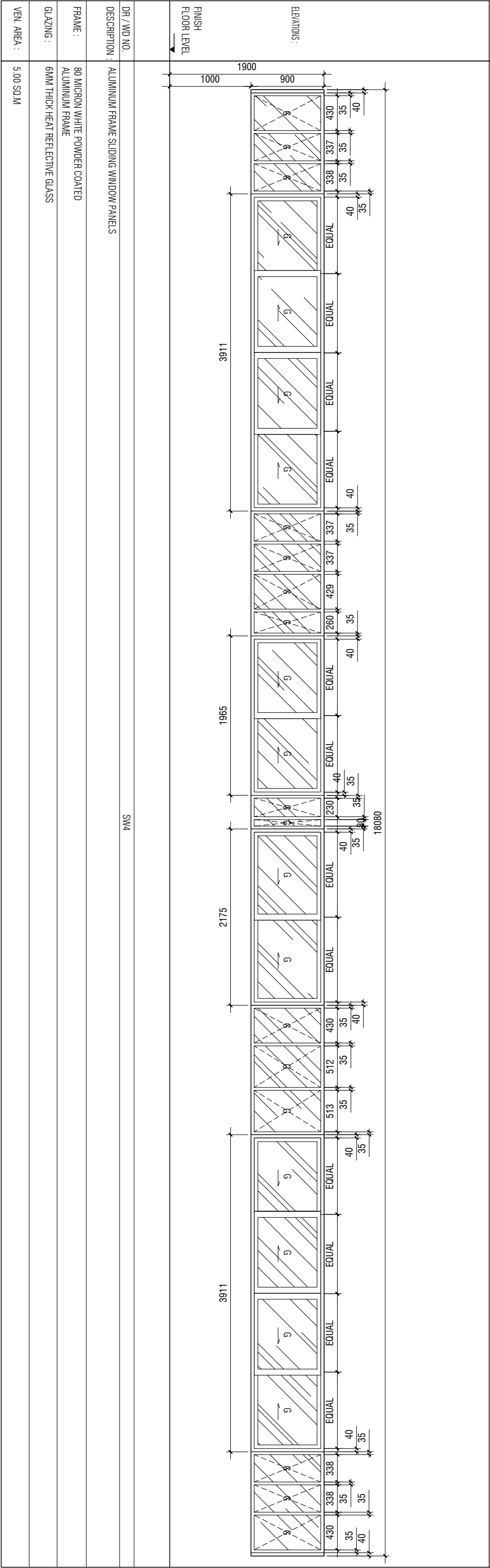
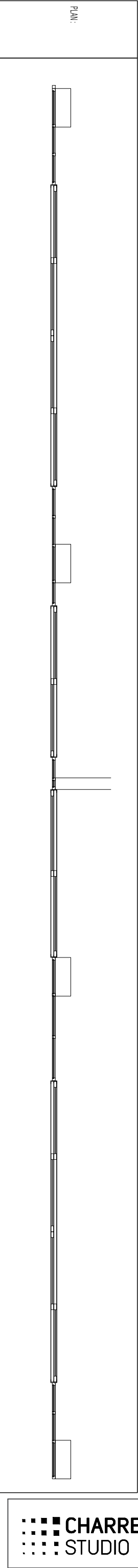
T - TIMBER

FAL - FIXED ALUMINUM LOUVERS

FG - FIXED GLASS

DOOR WINDOW SCHEDULE 1

SCALE 1:50



KEY
G - GLASS
T - TIMBER
FAL - FIXED ALUMINIUM LOUVERS
FG - FIXED GLASS

DOOR WINDOW SCHEDULE 3

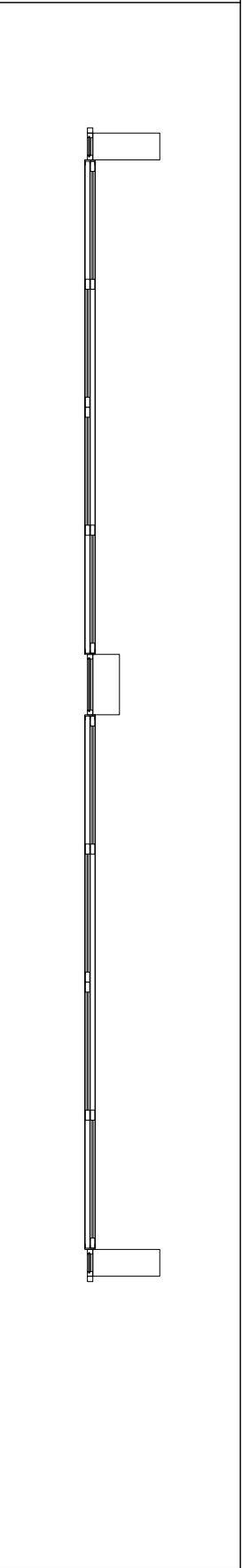
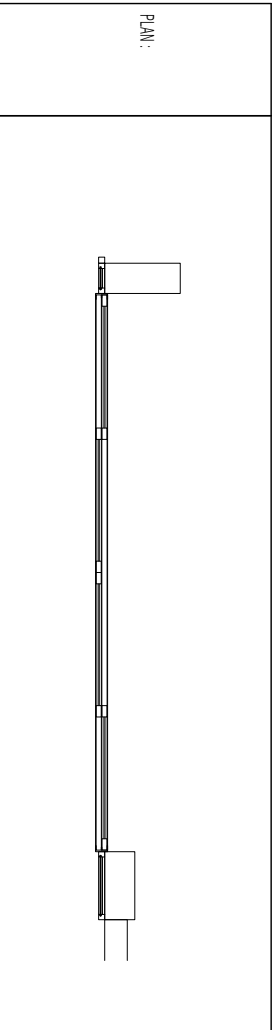
SCALE 1:50

PROJECT: LAB BUILDING	ARCHITECTURAL DESIGN
CLIENT: ---	DRAFTED BY: - HUSSAIN AZEEM
DATE: JAN 2018	DESIGNED BY: - HUSSAIN ZIYATH
DO NOT SCALE THE DRAWING	

STRUCTURAL DESIGN
DESIGNED BY: - ADAM SAANEEZ
APPROVED BY: - SAMNOON FUAD

DWG NO:
A - 09/ 15





Architectural elevation drawing of a window unit. The drawing shows a series of five rectangular window panes, each labeled "EQUAL". The panes are separated by vertical mullions. The overall width of the unit is 1900, and the overall height is 4383. The drawing includes various dimension lines and labels, such as "FINISH FLOOR LEVEL" and "ELEVATIONS:", indicating the unit's placement and orientation.

FINISH FLOOR LEVEL

ELEVATIONS:

1900

1000

900

40

35

130

40

35

EQUAL

EQUAL

EQUAL

EQUAL

3691

4383

380

35

40

35

Architectural elevation drawing of a building facade. The drawing shows a symmetrical arrangement of windows and doors. The overall width is 1900 units, and the overall height is 8615 units. The facade is divided into two main sections, each 3991 units high. The top section contains a row of windows and doors, while the bottom section contains a row of windows and doors. The windows are labeled 'EQUIL' and the doors are labeled 'EQUIL'. The drawing includes various dimensions and labels, such as '1000', '900', '40', '35', '130', '3693', '3991', '8615', 'EQUIL', and 'EQUIL'.

Technical drawing of a window frame assembly. The drawing shows a side elevation of the window frame with various dimensions and components labeled.

Dimensions:

- Overall width: 1900
- Overall height: 4383
- Top horizontal dimension: 1000 (left section), 900 (right section)
- Right vertical dimension: 40 (top), 35 (middle), 40 (bottom)
- Bottom horizontal dimension: 380 (left section), 35 (middle), 40 (right section)
- Internal vertical dimension: 1300 (left section), 1300 (middle), 1300 (right)

Components and Labels:

- Window Frame:** The main structure of the window, shown in a perspective view.
- Glazing:** The glass panes, indicated by diagonal hatching.
- Labels:**
 - 1000**, **900**: Horizontal dimensions at the top.
 - 4383**: Total vertical dimension on the right.
 - 1300**: Vertical dimension for the main frame sections on the left.
 - 380**, **35**, **40**: Horizontal dimensions at the bottom.
 - 40**, **35**: Vertical dimensions on the right side.
 - EQUAL**: Labels indicating equal dimensions for the four main frame sections.

Technical drawing of a window assembly. The drawing shows a cross-section of a window with multiple panes. The overall width is 3693 and the overall height is 8615. The window is divided into two main sections: a left section with a width of 3391 and a right section with a width of 330. The left section contains five panes, each with a width of 40 and a height of 35. The right section contains four panes, each with a width of 40 and a height of 35. The panes are labeled 'EQUAL' and 'EQUAL'.

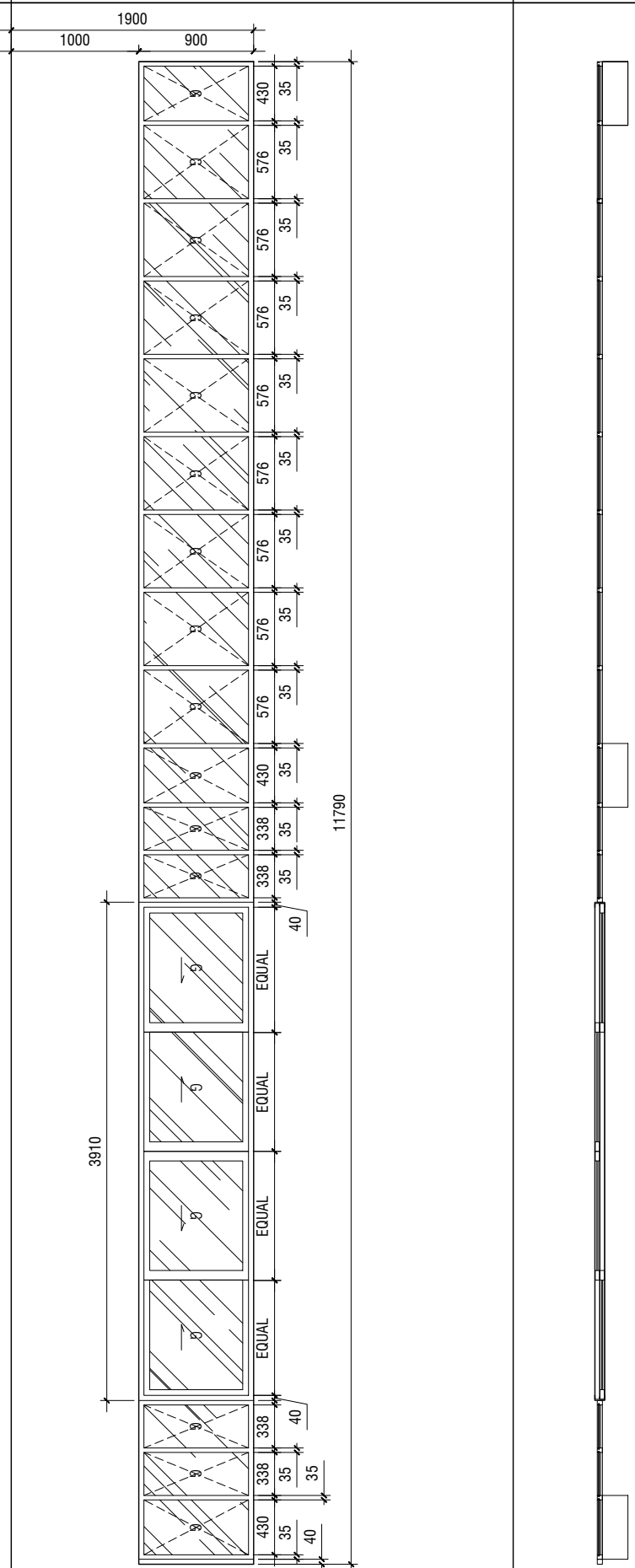
SW6

3.25 SQ.M

FAL - FIXED ALUMINUM LOUVERS
FG - FIXED GLASS

SCALE 1:50

CHARRETTE
STUDIO

PLAN :	
DR / WD NO.	
DESCRIPTION :	ALUMINUM FRAME SLIDING WINDOW PANELS
FRAME :	80 MICRON WHITE POWDER COATED ALUMINUM FRAME
GLAZING :	6MM THICK HEAT REFLECTIVE GLASS
VEN. AREA :	1.66 SQ.M

SCALE 1:50

DOOR WINDOW SCHEDULE 5

KEY
G - GLASS
T - TIMBER
FAL - FIXED ALUMINUM LOUVERS
FG - FIXED GLASS

PROJECT: LAB BUILDING
CLIENT: ---
DATE: JAN 2018
DO NOT SCALE THE DRAWING

ARCHITECTURAL DESIGN
DRAFTED BY: - HUSSAIN AZEEM
DESIGNED BY: - HUSSAIN ZIYATH

STRUCTURAL DESIGN
DESIGNED BY: - ADAM SAANEZ
APPROVED BY: - SAMNOON FUAD

DWG NO:

A - 12/ 15

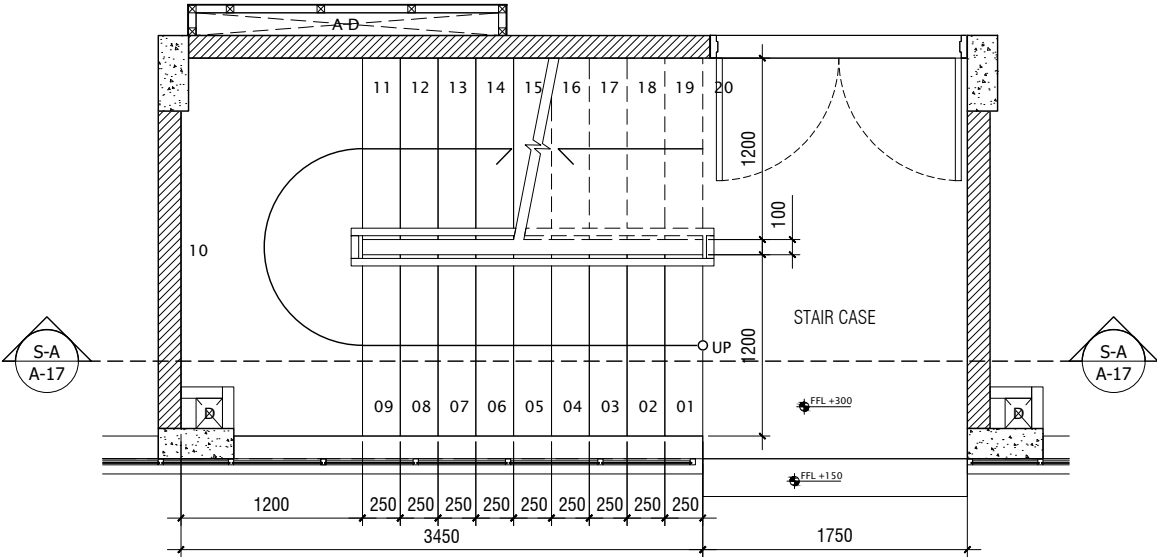
CHARRETTE
STUDIO

SCHEDULE OF VENTILATION

ROOM NAME	ROOM AREAS (SQM)	WINDOW (OPENING) NUMBER	REQUIRED OPENING AREA (SQM)	DESIGNED OPENING AREA (SQM)
GROUND FLOOR				
WET LAB 1	48.29 SQ.M	MECHANICAL VENTILATION	4.83 SQ.M	MECHANICAL VENTILATION
WET LAB 2	64.79 SQ.M	MECHANICAL VENTILATION	6.48 SQ.M	MECHANICAL VENTILATION
STORE	15.24 SQ.M	MECHANICAL VENTILATION	1.52 SQ.M	MECHANICAL VENTILATION
1ST FLOOR				
NUTRITION LAB	50.23 SQ.M	MECHANICAL VENTILATION	5.02 SQ.M	MECHANICAL VENTILATION
WATER QUALITY LAB	21.02 SQ.M	MECHANICAL VENTILATION	2.20 SQ.M	MECHANICAL VENTILATION
HITOPATHOLOGY LAB	24.66 SQ.M	MECHANICAL VENTILATION	2.46 SQ.M	MECHANICAL VENTILATION
GENERAL LAB	22.96 SQ.M	MECHANICAL VENTILATION	2.29 SQ.M	MECHANICAL VENTILATION
2ND FLOOR				
CLASS ROOM 1	46.23 SQ.M	MECHANICAL VENTILATION	4.62 SQ.M	MECHANICAL VENTILATION
CLASS ROOM 2	24.64 SQ.M	MECHANICAL VENTILATION	2.46 SQ.M	MECHANICAL VENTILATION
CLASS ROOM 3	24.61 SQ.M	MECHANICAL VENTILATION	2.46 SQ.M	MECHANICAL VENTILATION
CLASS ROOM 4	22.91 SQ.M	MECHANICAL VENTILATION	2.29 SQ.M	MECHANICAL VENTILATION
3RD FLOOR				
OPEN HALL	114.83 SQ.M	MECHANICAL VENTILATION	11.48 SQ.M	MECHANICAL VENTILATION
STORE	4.44 SQ.M	MECHANICAL VENTILATION	0.44 SQ.M	MECHANICAL VENTILATION
TOILET	10.43 SQ.M	MECHANICAL VENTILATION	1.04 SQ.M	MECHANICAL VENTILATION

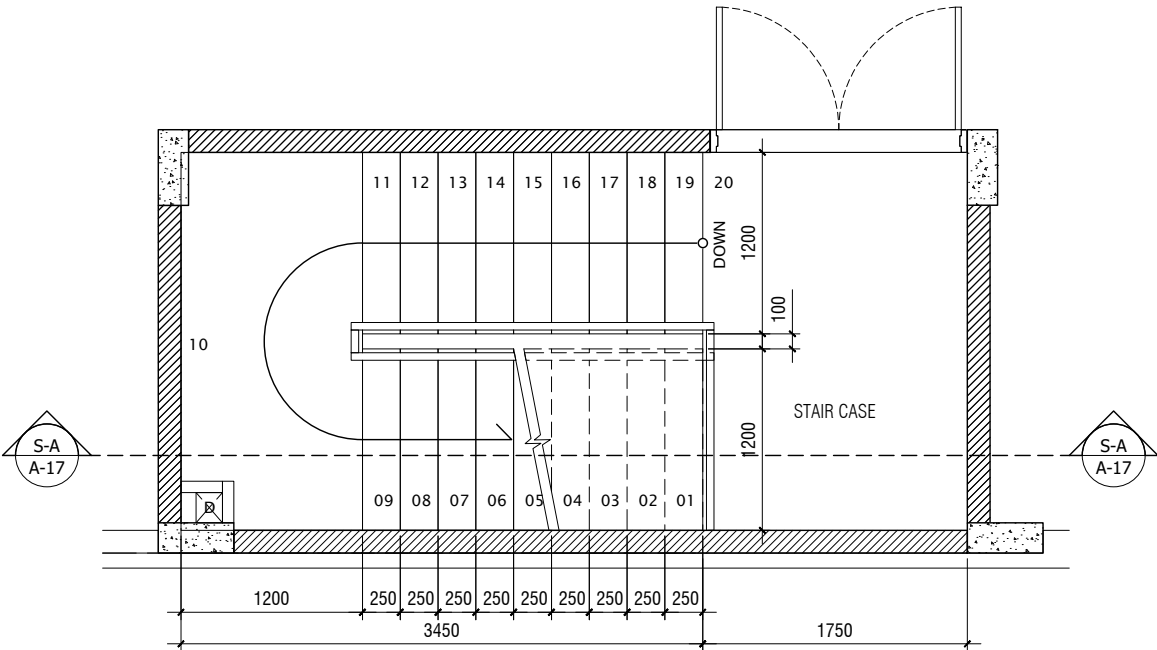
VENTILATION OF SCHEDULE

SCALE 1:50




STAIR CASE FROM GROUND FLOOR TO 3RD FLOOR PLAN

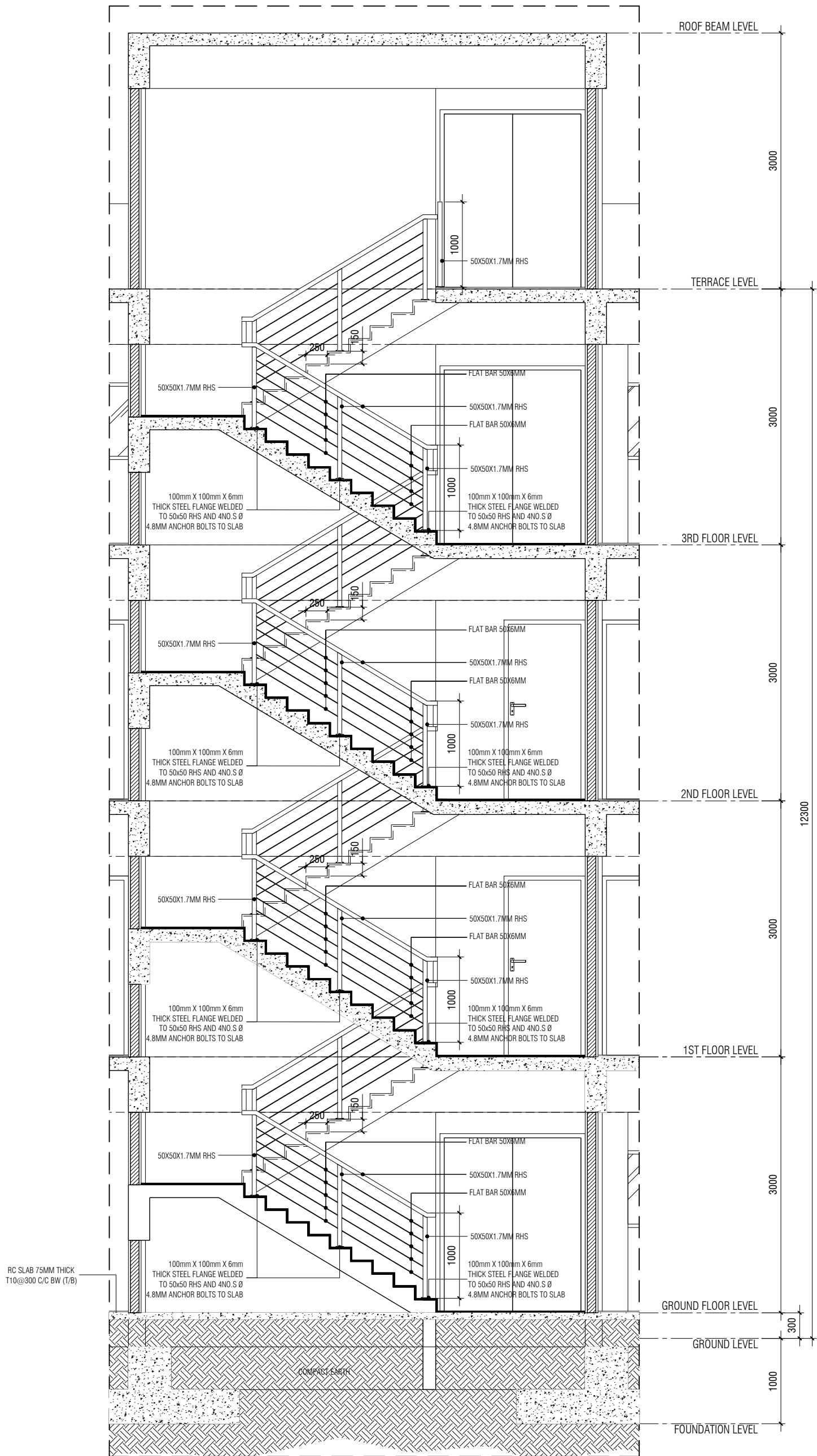
SCALE 1:50



STAIR CASE FROM TERRACE FLOOR TO 3RD FLOOR PLAN

SCALE 1:50

PROJECT: LAB BUILDING	ARCHITECTURAL DESIGN	STRUCTURAL DESIGN	DWG NO:	
CLIENT: ---	DRAFTED BY: - HUSSAIN AZEEM	DESIGNED BY: - ADAM SAANEEZ	A - 13/ 15	
DATE: JAN 2018	DESIGNED BY: - HUSSAIN ZIYATH	APPROVED BY: - SAMNOON FUAD		
DO NOT SCALE THE DRAWING				



SECTION A-A

SCALE 1:50

PROJECT: LAB BUILDING

CLIENT: ---

DATE: JAN 2018

DO NOT SCALE THE DRAWING

ARCHITECTURAL DESIGN

DRAFTED BY: - HUSSAIN AZEEM

DESIGNED BY: - HUSSAIN ZIYATH

STRUCTURAL DESIGN

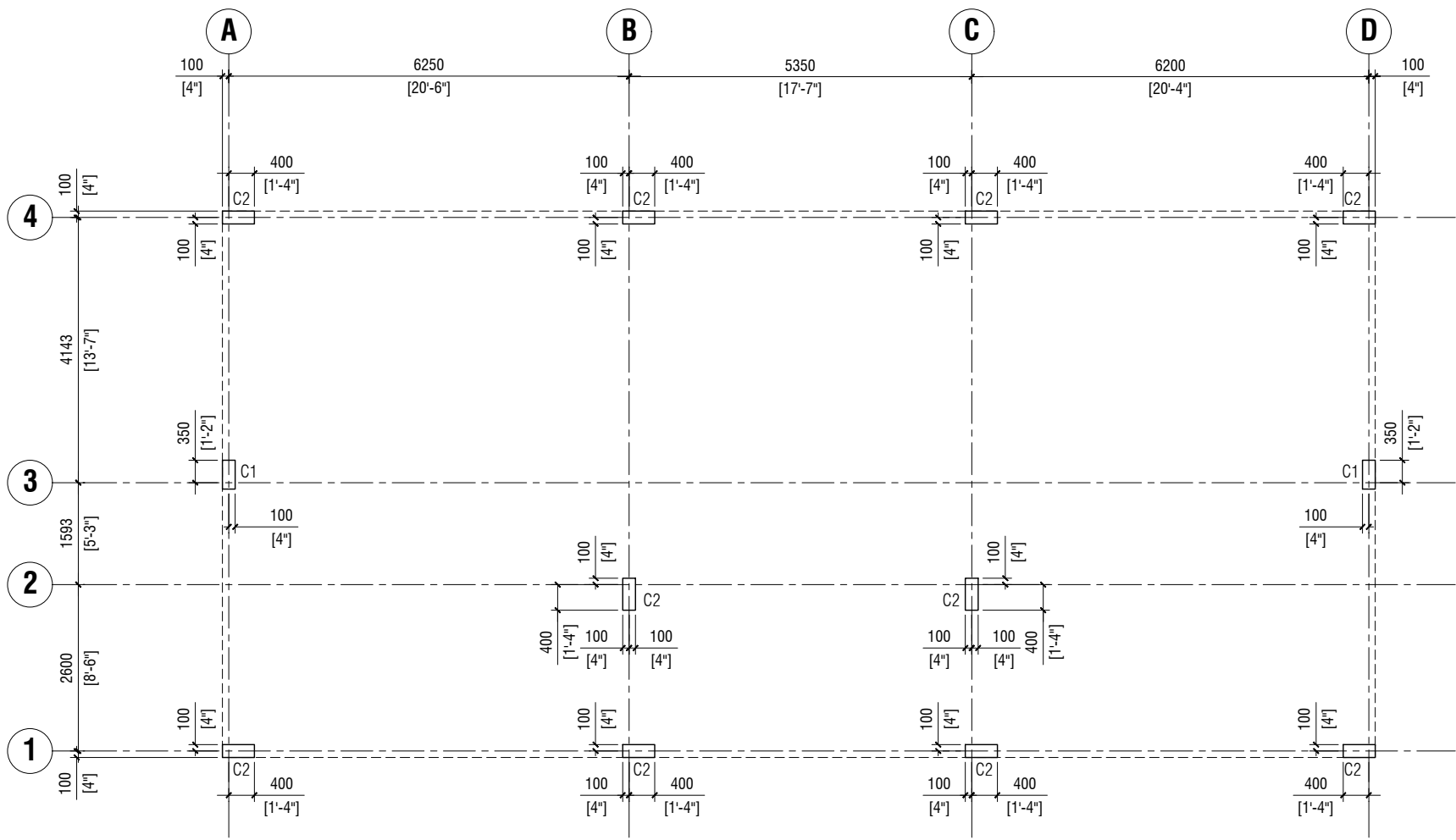
DESIGNED BY: - ADAM SAANEEZ

APPROVED BY: - SAMNOON FUAD

DWG NO:

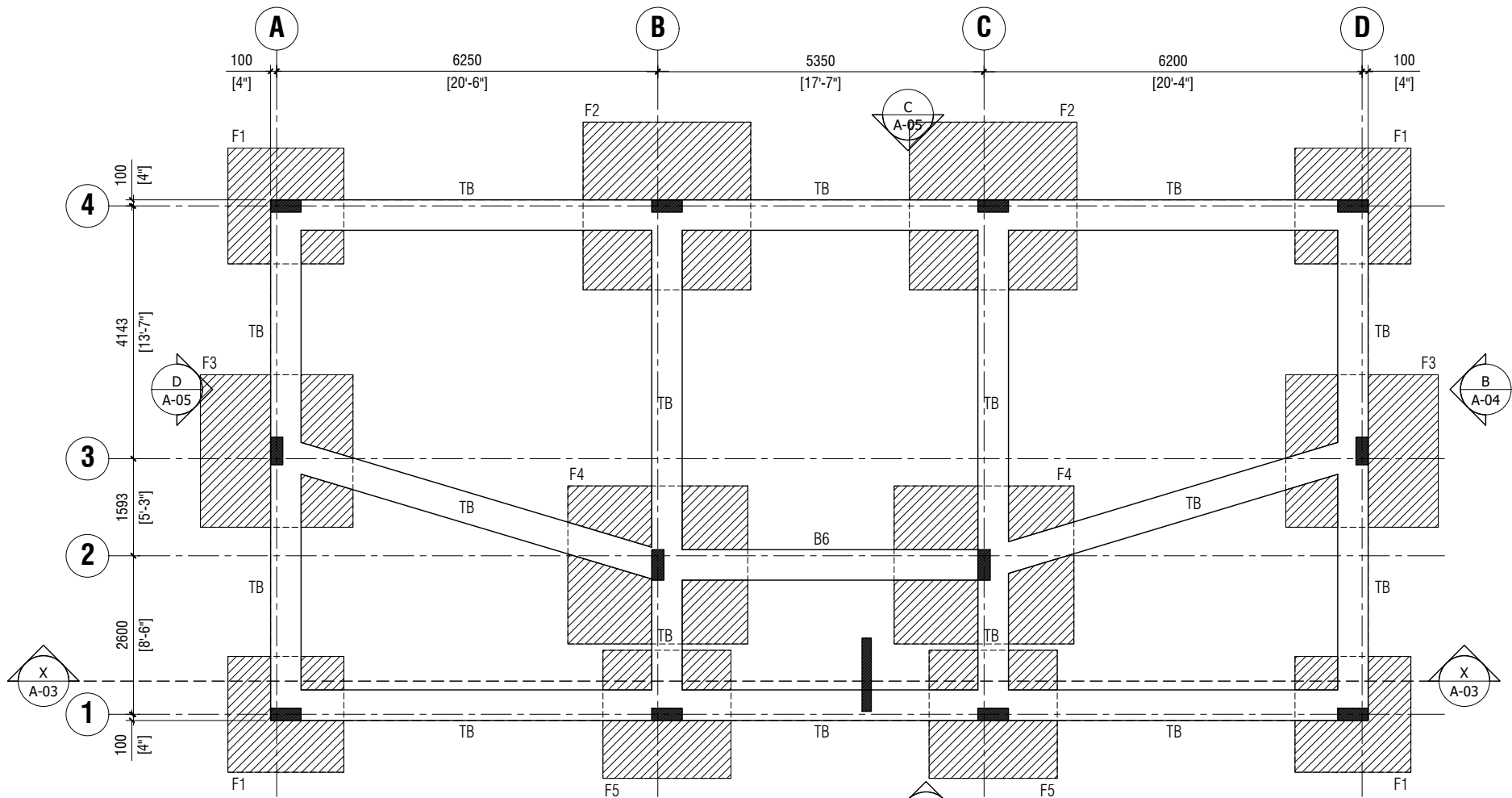
A - 14/ 15

CHARRETTE
STUDIO



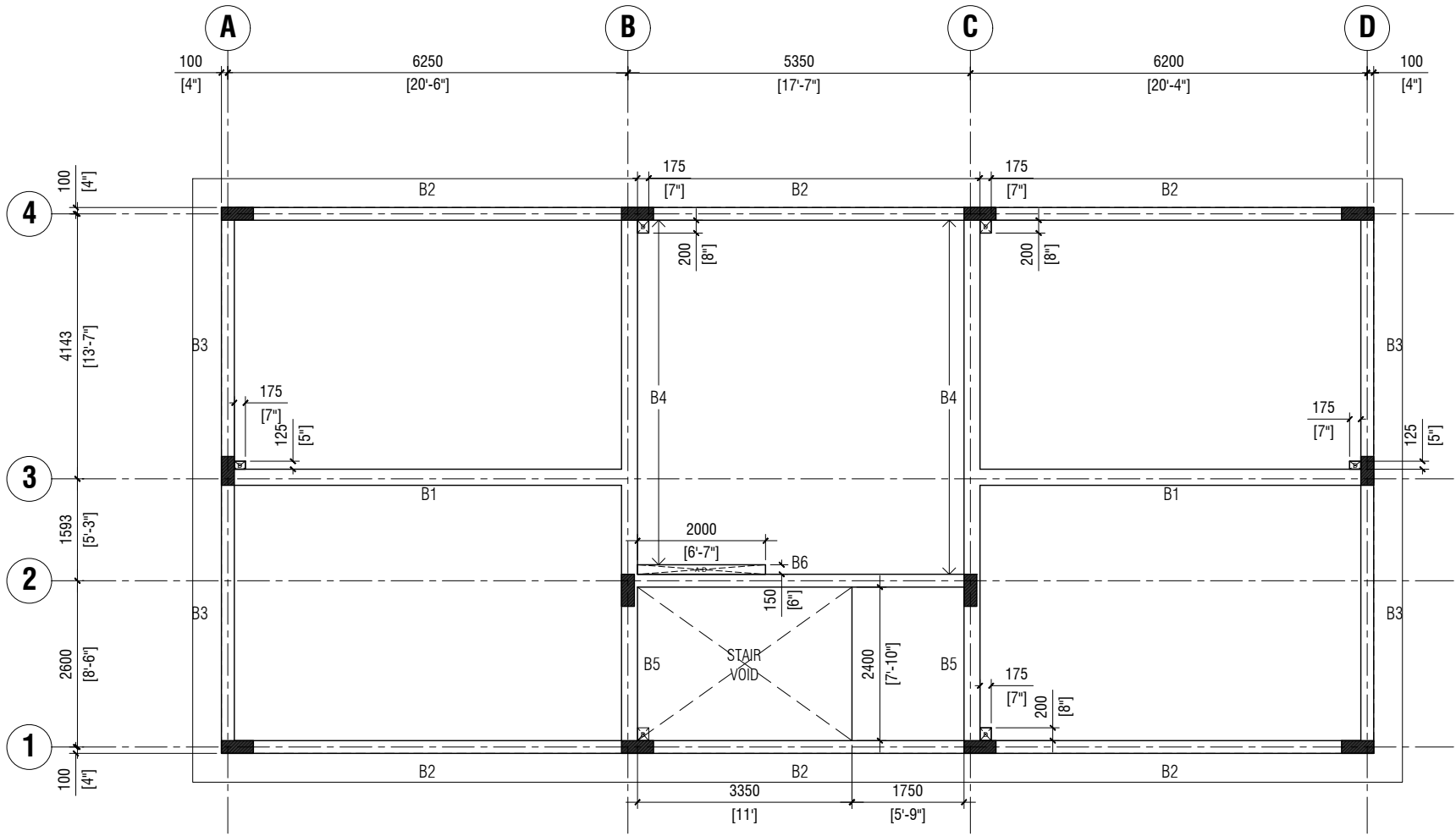
COLUMN SETTING PLAN

SCALE 1:100



FOUNDATION PLAN

SCALE 1:100

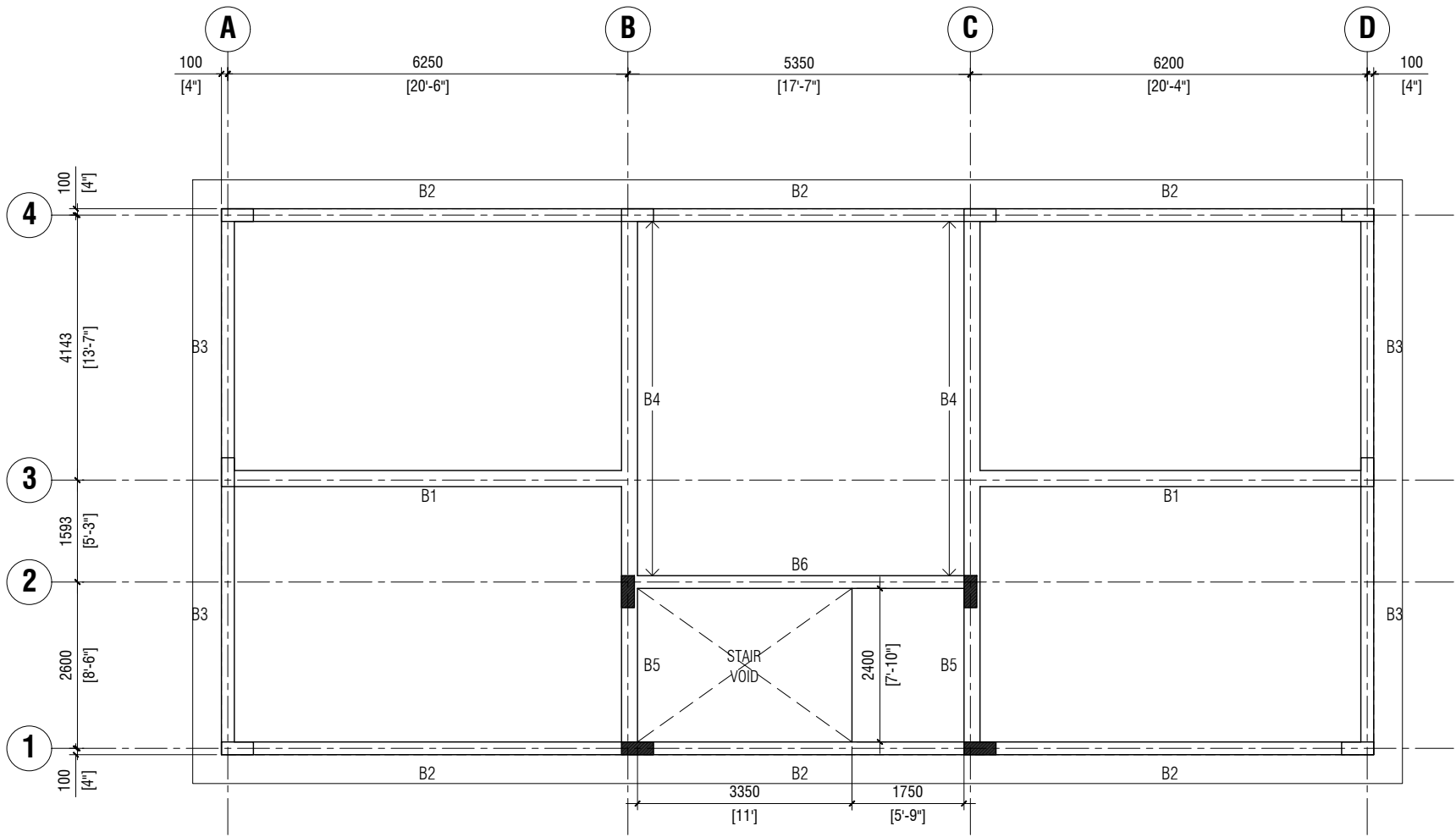


LEGEND

D DUCT
AD AC PIPE DUCT

1ST TO 3RD FLOOR BEAM PLAN

SCALE 1:100



LEGEND

D DUCT
AD AC PIPE DUCT

TERRACE PLAN

SCALE 1:100

PROJECT: LAB BUILDING

CLIENT: ---

DATE: JAN 2018

DO NOT SCALE THE DRAWING

ARCHITECTURAL DESIGN

DRAFTED BY: - HUSSAIN AZEEM

DESIGNED BY: - HUSSAIN ZIYATH

STRUCTURAL DESIGN

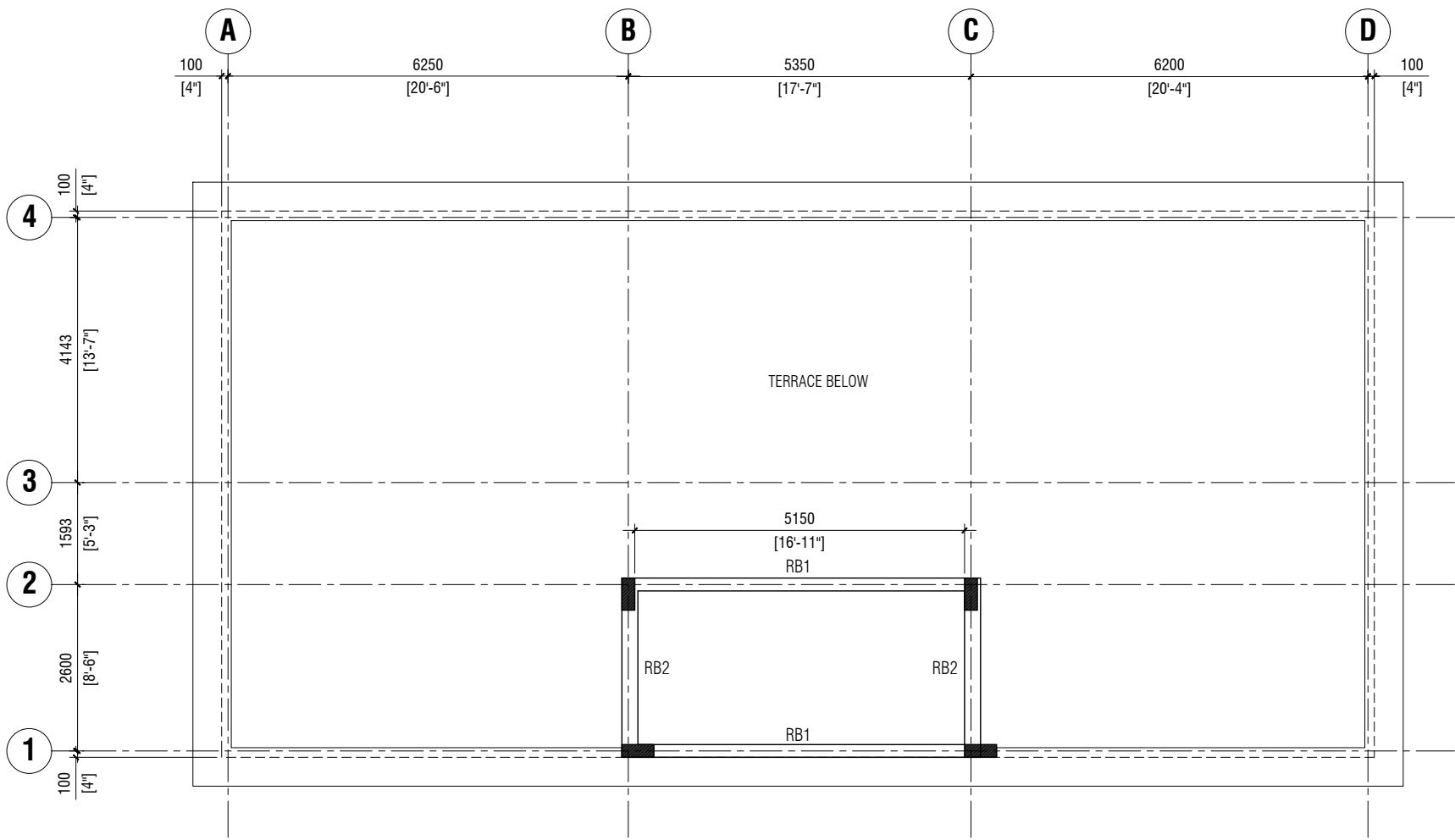
DESIGNED BY: - ADAM SAANEZ

APPROVED BY: - SAMNOON FUAD

DWG NO:

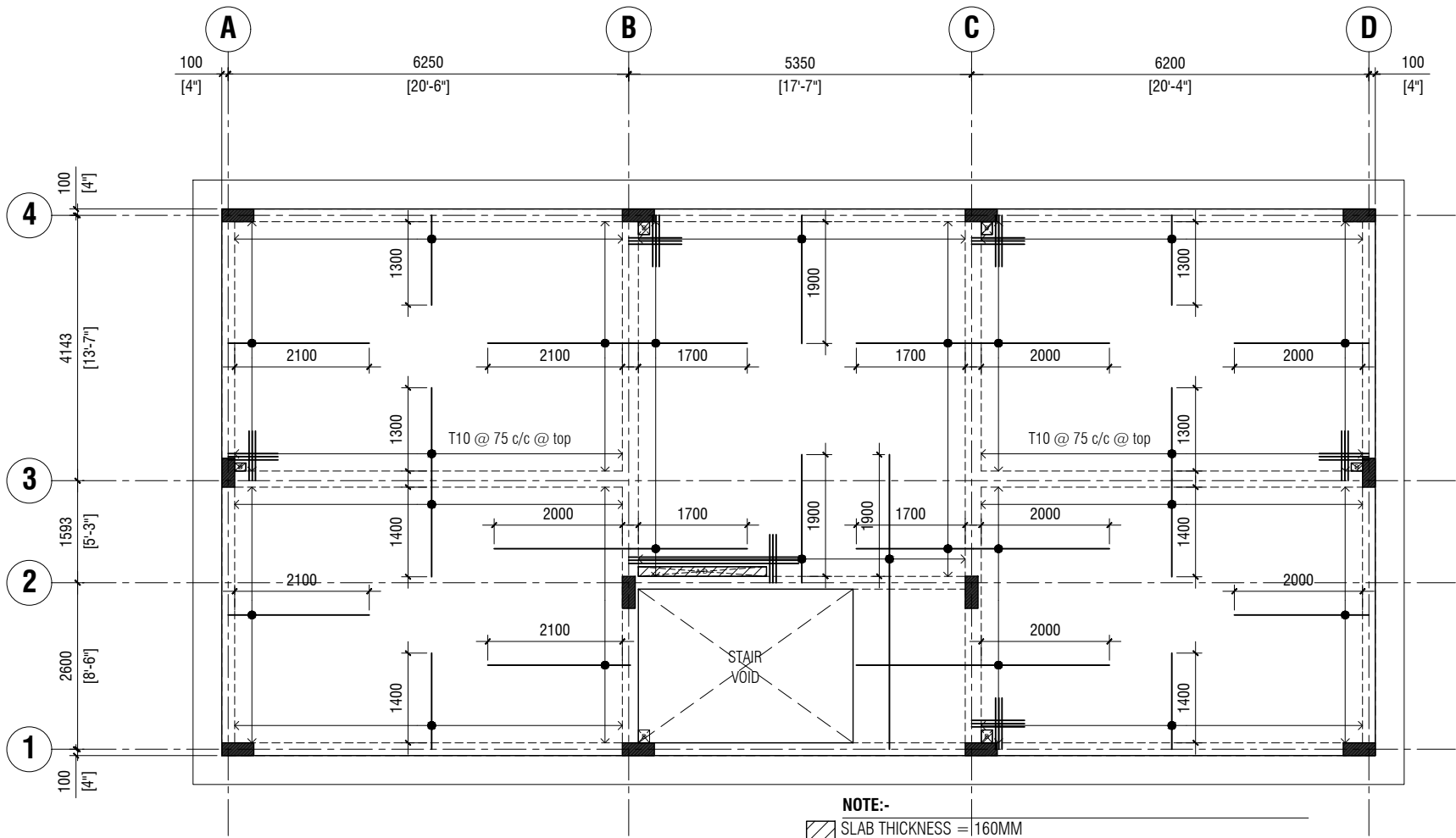
S - 02/ 05

CHARRETTE
STUDIO



ROOF BEAM PLAN

SCALE 1:100



LEGEND

D DUCT
AD AC PIPE DUCT

1ST TO 3RD FLOOR SLAB REINFORCEMENT PLAN

SCALE 1:100

NOTE:-

- SLAB THICKNESS = 160MM
- SLAB THICKNESS = 130MM
- TOP RFMNT = T10 @ 150 C/C BW AS SHOWN UNLESS SPECIFIED
- BOTTOM RFMNT = T10 @ 150 C/C BW (NOT SHOWN)
- TOP DISTRIBUTION BARS = T10 @ 150 C/C BW (NOT SHOWN)
- PROVIDE EXTRA REINFORCEMENT AS SHOWN
- REINFORCEMENT BARS WILL BE DISCONTINUOUS OVER VOIDS .
- FOLLOW STANDARD REINFORCEMENT DETAILS FOR ALL OPENINGS
- ALL MAIN BARS SHALL HAVE BENDS UP OR DOWN EQUAL TO 12Ø FROM FACE OF SUPPORT

PROJECT: LAB BUILDING

CLIENT: ---

DATE: JAN 2018

DO NOT SCALE THE DRAWING

ARCHITECTURAL DESIGN

DRAFTED BY: - HUSSAIN AZEEM

DESIGNED BY: - HUSSAIN ZIYATH

STRUCTURAL DESIGN

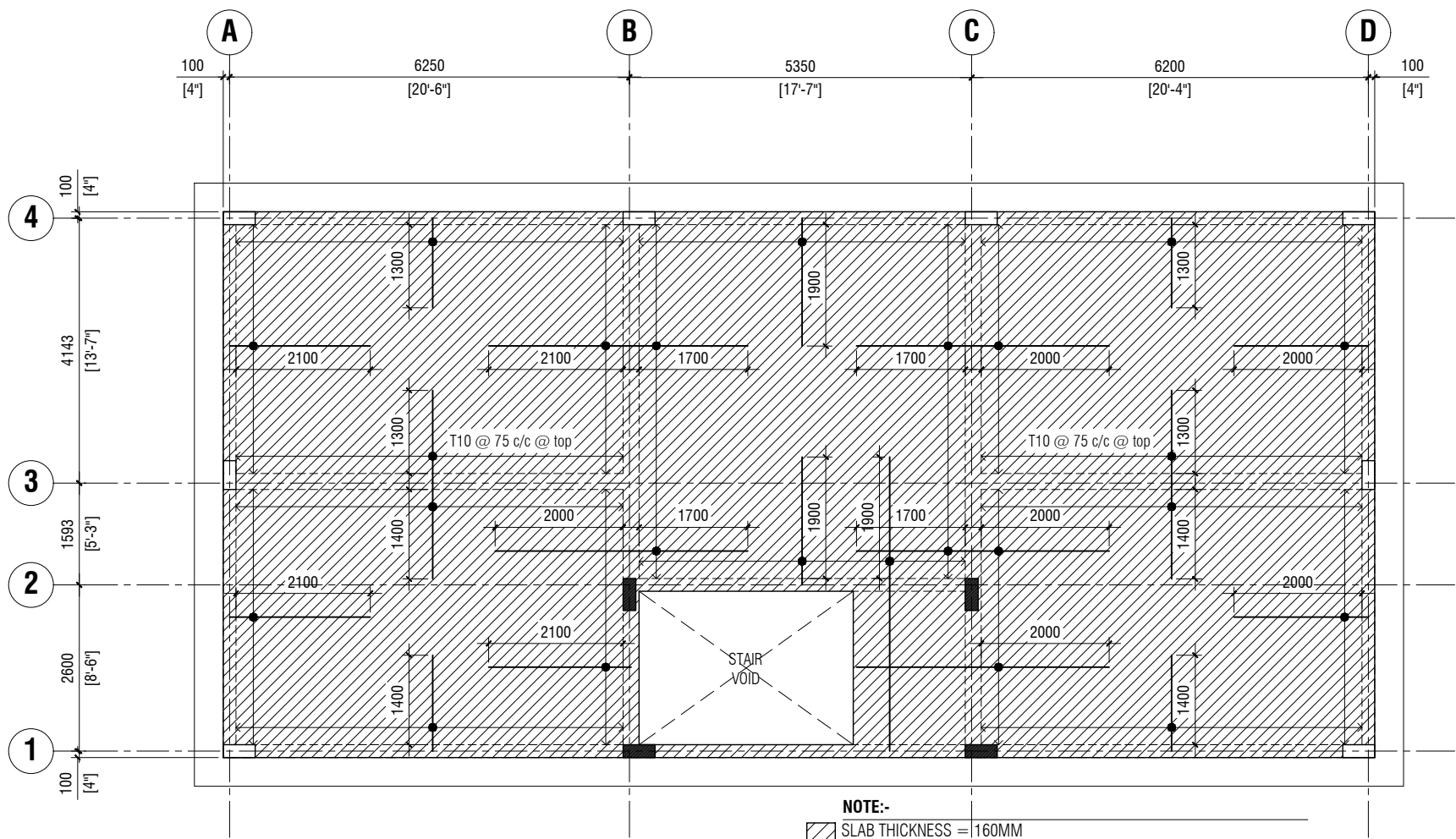
DESIGNED BY: - ADAM SAANEEZ

APPROVED BY: - SAMNOON FUAD

DWG NO:

S - 03/ 05

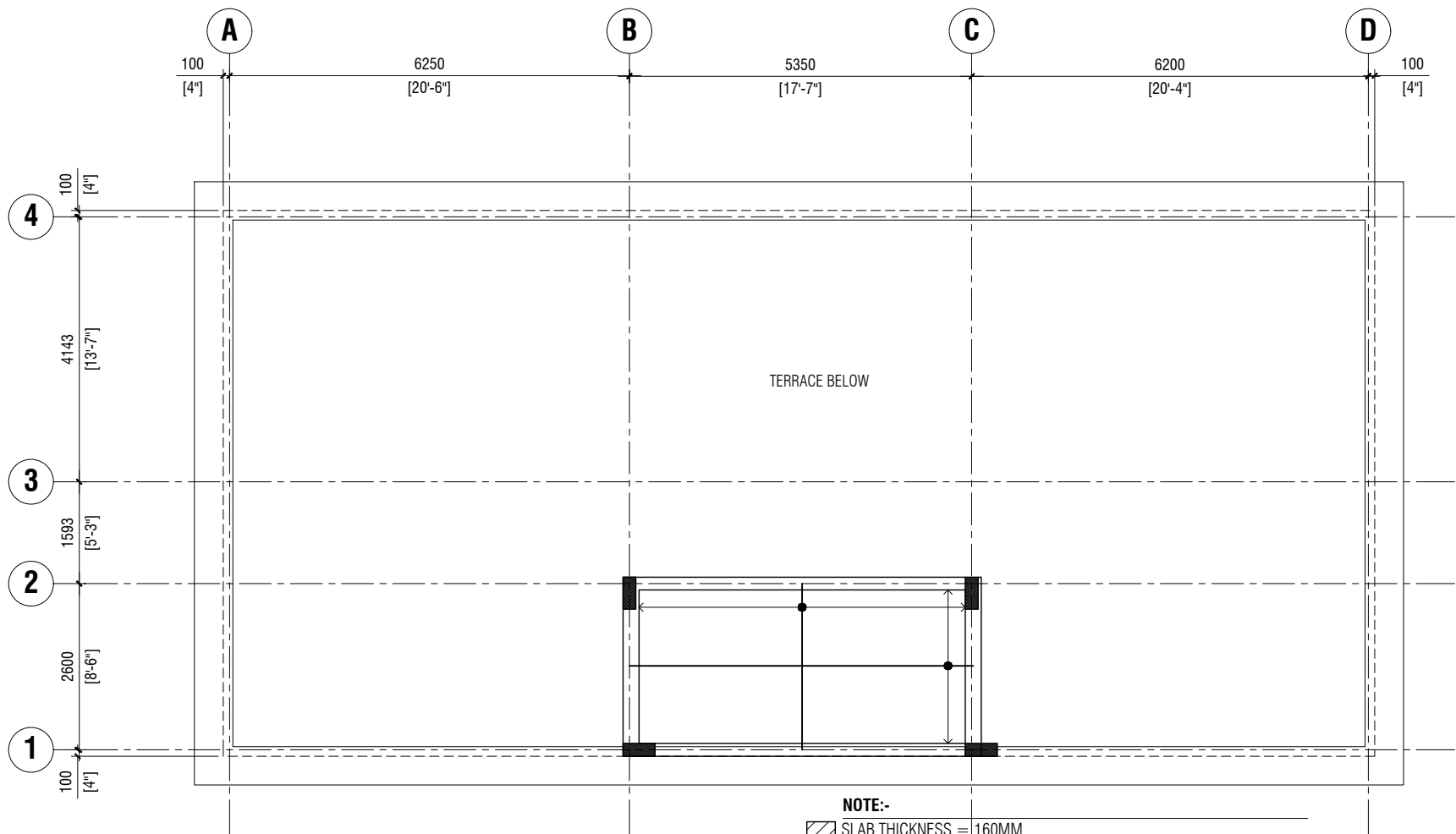
CHARRETTE
STUDIO



LEGEND
D DUCT
AD AC PIPE DUCT

TERRACE SLAB REINFORCEMENT PLAN
SCALE 1:100

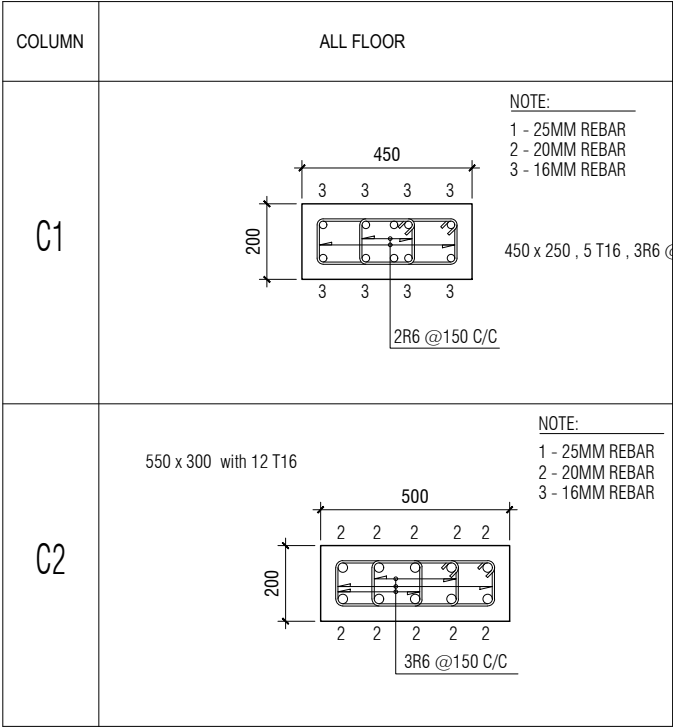
NOTE:-
SLAB THICKNESS = 160MM
SLAB THICKNESS = 130MM
TOP RFMNT = T10 @ 150 C/C BW AS SHOWN UNLESS SPECIFIED
BOTTOM RFMNT = T10 @ 150 C/C BW (NOT SHOWN)
TOP DISTRIBUTION BARS = T10 @ 150 C/C BW (NOT SHOWN)
PROVIDE EXTRA REINFORCEMENT AS SHOWN
REINFORCEMENT BARS WILL BE DISCONTINUOUS OVER VOIDS .
FOLLOW STANDARD REINFORCEMENT DETAILS FOR ALL OPENINGS
ALL MAIN BARS SHALL HAVE BENDS UP OR DOWN EQUAL TO 12Ø FROM FACE OF SUPPORT



ROOF SLAB REINFORCEMENT PLAN
SCALE 1:100

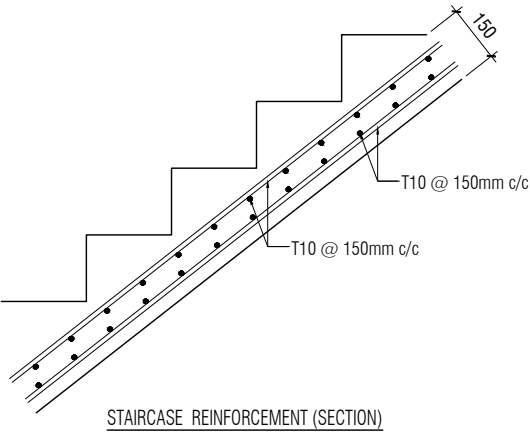
NOTE:-
SLAB THICKNESS = 160MM
SLAB THICKNESS = 130MM
TOP RFMNT = T10 @ 150 C/C BW AS SHOWN UNLESS SPECIFIED
BOTTOM RFMNT = T10 @ 150 C/C BW (NOT SHOWN)
TOP DISTRIBUTION BARS = T10 @ 150 C/C BW (NOT SHOWN)
PROVIDE EXTRA REINFORCEMENT AS SHOWN
REINFORCEMENT BARS WILL BE DISCONTINUOUS OVER VOIDS .
FOLLOW STANDARD REINFORCEMENT DETAILS FOR ALL OPENINGS
ALL MAIN BARS SHALL HAVE BENDS UP OR DOWN EQUAL TO 12Ø FROM FACE OF SUPPORT

COLUMN DETAILS

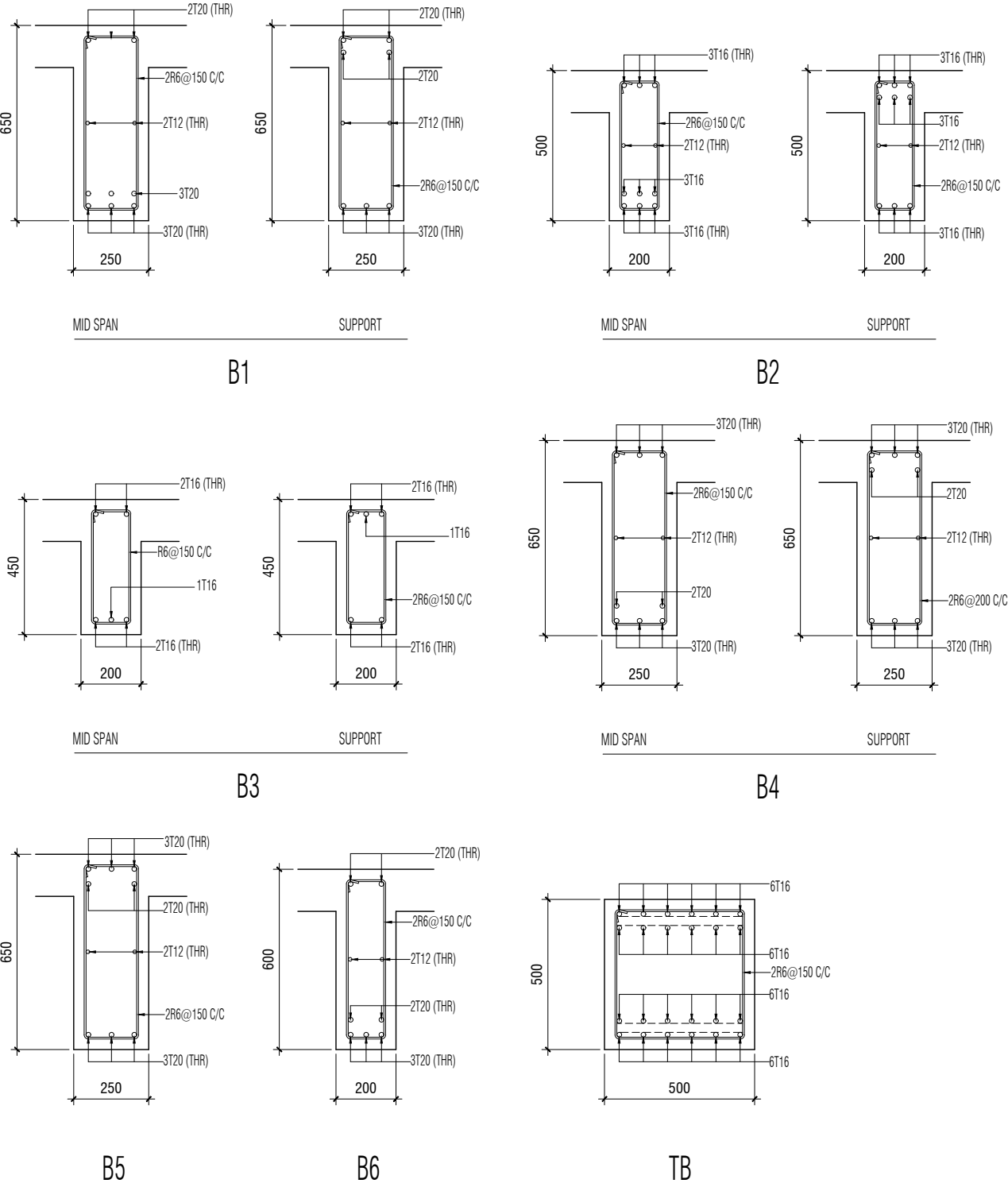


FOUNDATION DETAILS

FOOTING	LENGTH/mm	WIDTH/mm	DEPTH/mm	REINFORCEMENT
F1	1900	1900	400	T12@100mm C/C BW BOTTOM (T12 @ 200mm c/c B/W TOP)
F2	2750	2750	460	T12@75mm C/C BW BOTTOM (T12@200mm C/C BW TOP)
F3	2500	2500	460	T12@100mm C/C BW BOTTOM (T12@200mm C/C BW TOP)
F4	2950	2590	500	T12@75mm C/C BW BOTTOM (T12@200mm C/C BW TOP)
F5	2100	2100	400	T12@100mm C/C BW BOTTOM (T12 @ 200mm c/c B/W TOP)



BEAM DETAILS



STRUCTURAL DETAIL 1

SCALE 1:20

PROJECT: LAB BUILDING
CLIENT: ---
DATE: JAN 2018
DO NOT SCALE THE DRAWING

ARCHITECTURAL DESIGN
DRAFTED BY: - HUSSAIN AZEEM
DESIGNED BY: - HUSSAIN ZIYATH

STRUCTURAL DESIGN
DESIGNED BY: - ADAM SAANEEZ
APPROVED BY: - SAMNOON FUAD

DWG NO:

S - 05/ 05

CHARRETTE
STUDIO