User Manual for Allottee and Architect

for

Online Building Plan Approval System (OBPAS)

of

Haryana Shehri Vikas Pradhikaran (HSVP)

Prepared by:
Haryana Shehri Vikas Pradhikaran
(Regd. Office: HSVP Office Complex, C-3, Sector 6, Panchkula.

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1. Introduction

The OBPAS system has been adopted by Haryana Shehri Vikas Pradhikaran (HSVP) to ensure ease of online automated building plan scrutiny and approval system. This manual outlines the process that applicants must follow for building approval.

2. Process of Software

Allottees, architects, and officers utilise the Online Automated Building Plan Scrutiny and Approval System.

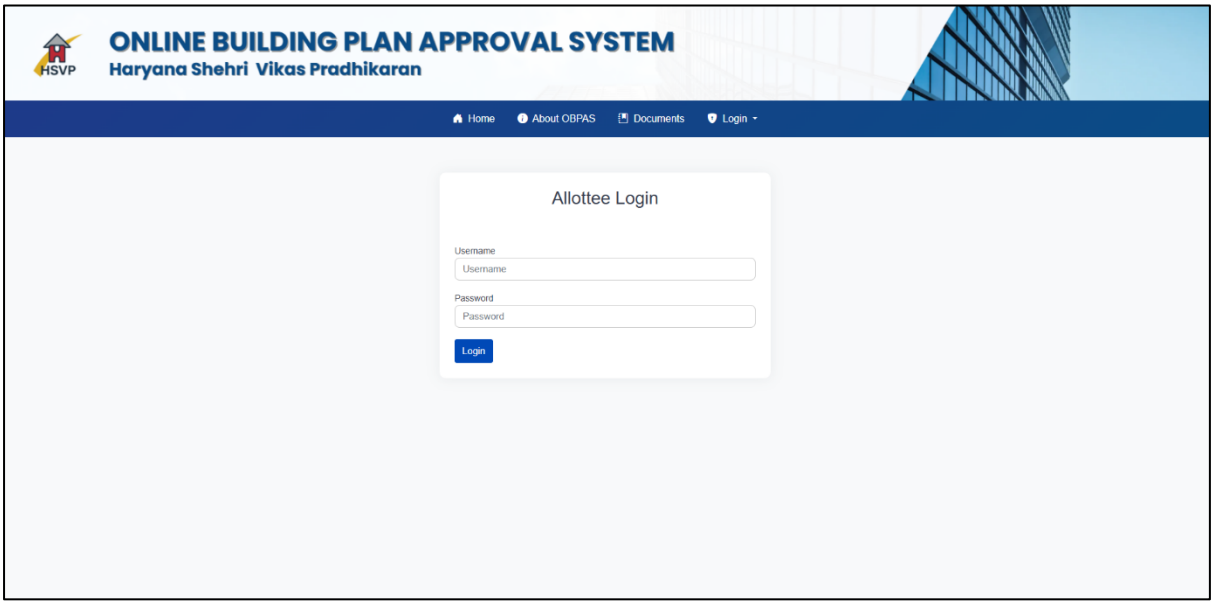
1. The system is designed for allottees to select architects from the list of empanelled architects, and further, for architects to register and submit the drawing for scrutiny and check the status of the drawing online.
2. The software will facilitate communication between Architects and Allottees via email, and Allottees can also view the status of their files online.
3. The Architects can also get their scrutiny report online using their login credentials. The OBPAS will scrutinise the submitted drawing by comparing it with the Haryana Building Code 2017 and Its Amendments and generate reports.

2.1. Allottee Login

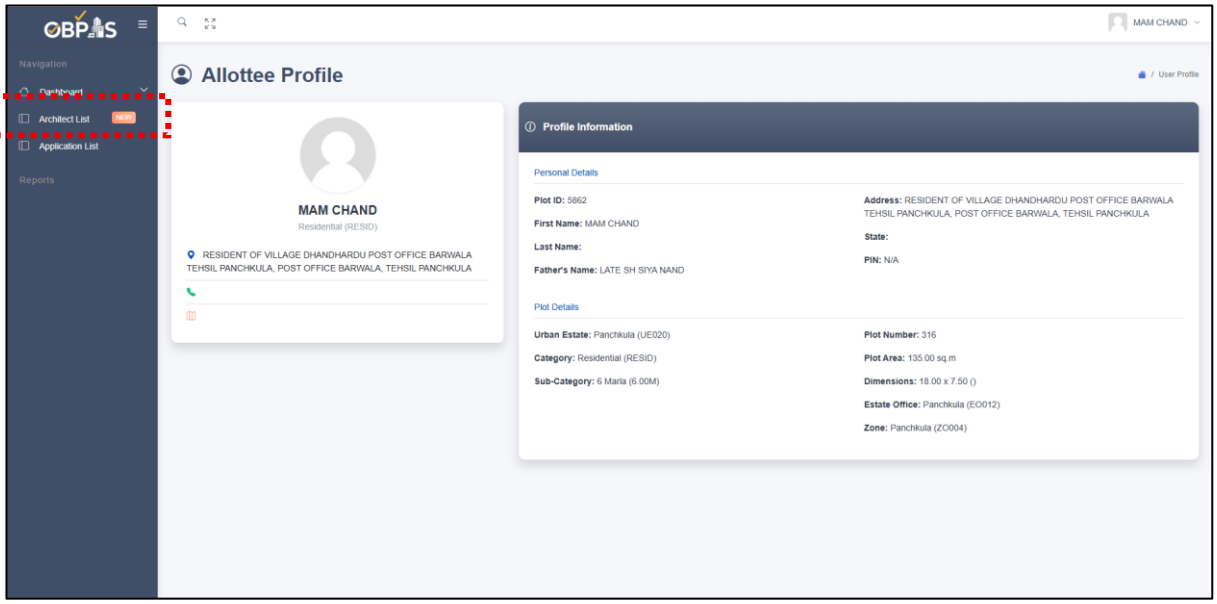
Similar to all other services of HSVP, the applicant can avail of this service through the Allottee Corner. When an applicant logs in using their PPM credentials, the portal pulls key property metadata directly from PPM. This eliminates manual data entry and reduces the risk of applicants providing incorrect or inconsistent information. Mandatory fields that cannot be auto-fetched are highlighted for the applicant to complete; validations prevent submission if critical information is missing. The applicant can thereafter choose an architect from the list of empanelled architects and submit a request to that architect.

Allottees' application process is as under:

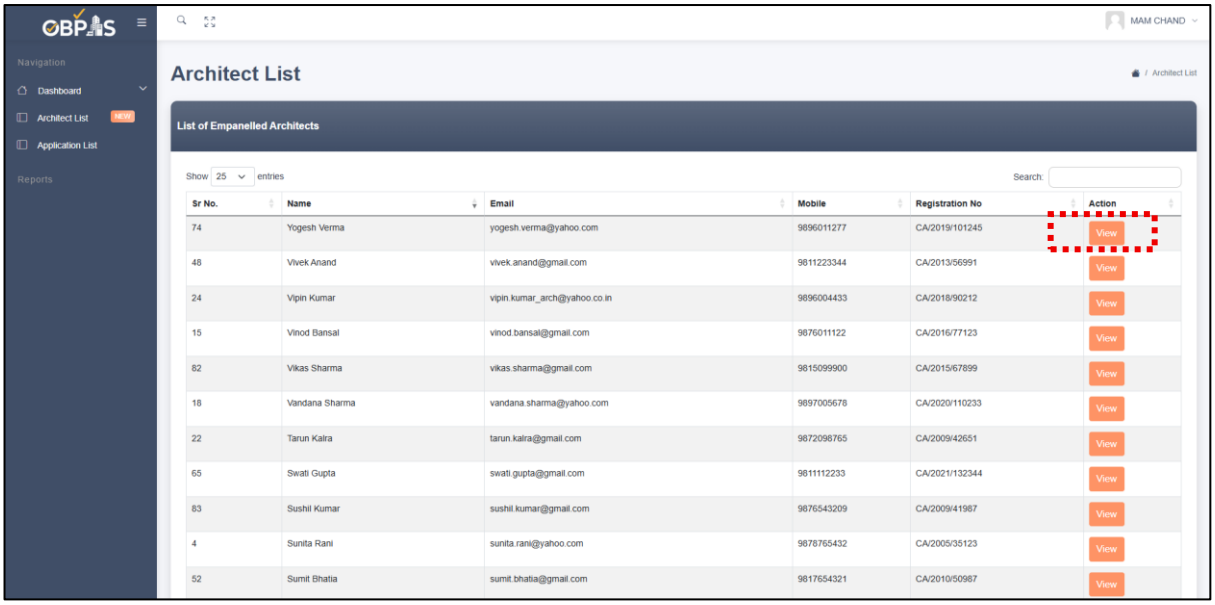
Step 1: The allottee must log in to the OBPAS portal through the 'Allottee Corner' using their PPM ID and password in URL https://obpas.hsvphry.org.in/



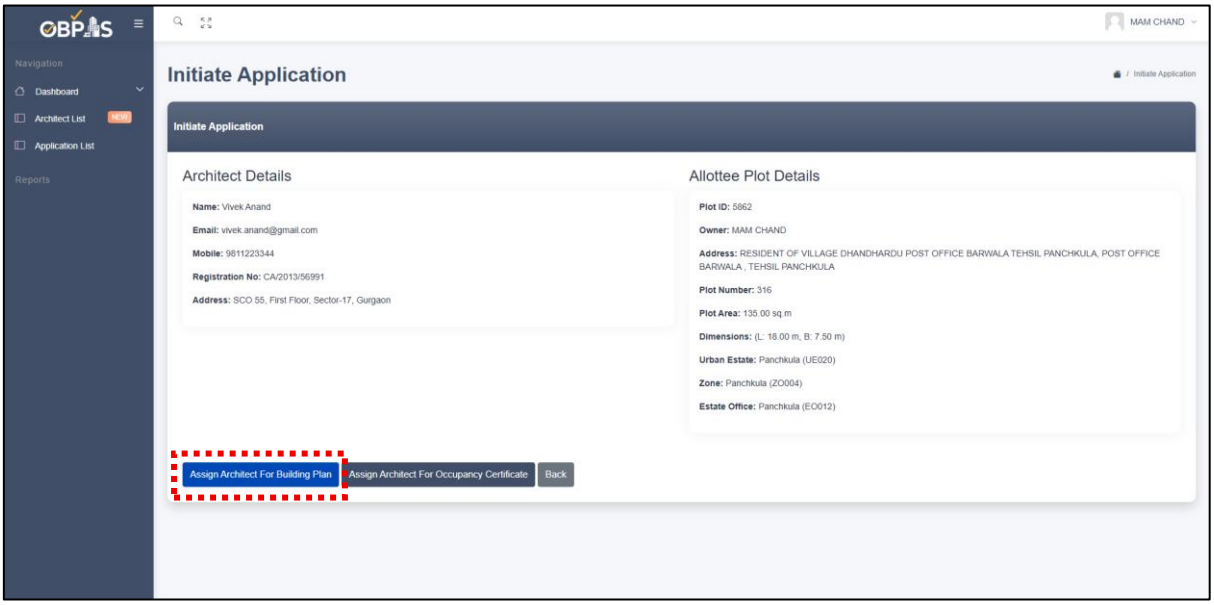
Step 2: The allottee must click on the 'Architect's List' option and select an architect from the panel of empanelled architects.



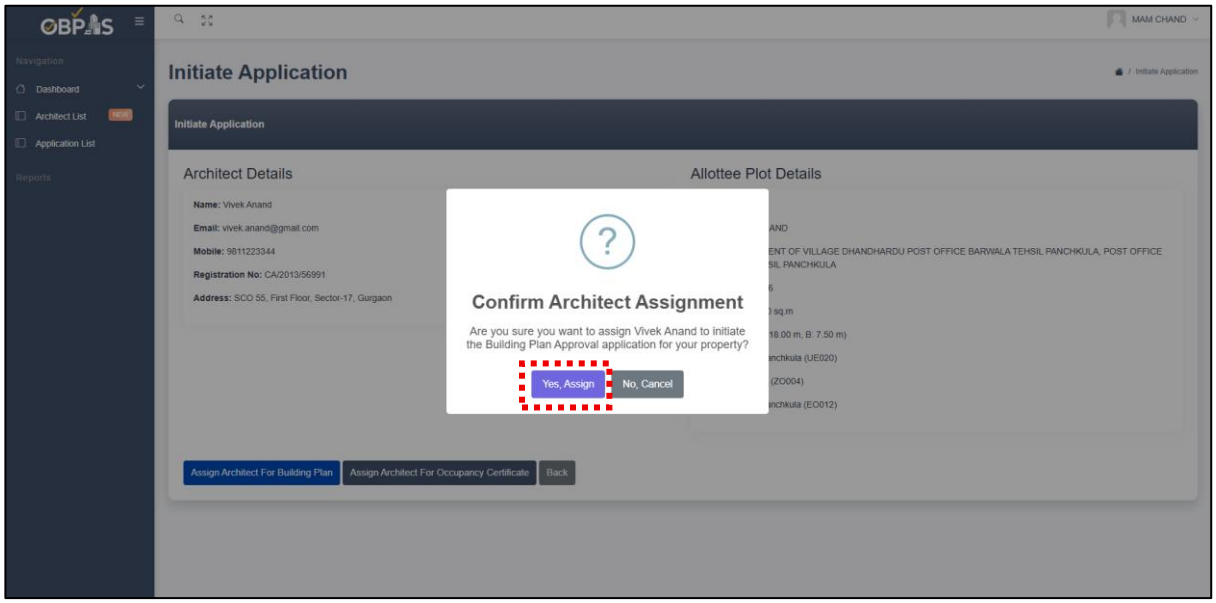
Step 3: Click on the 'Architect's List' option and choose an architect from the panel of empanelled architects.



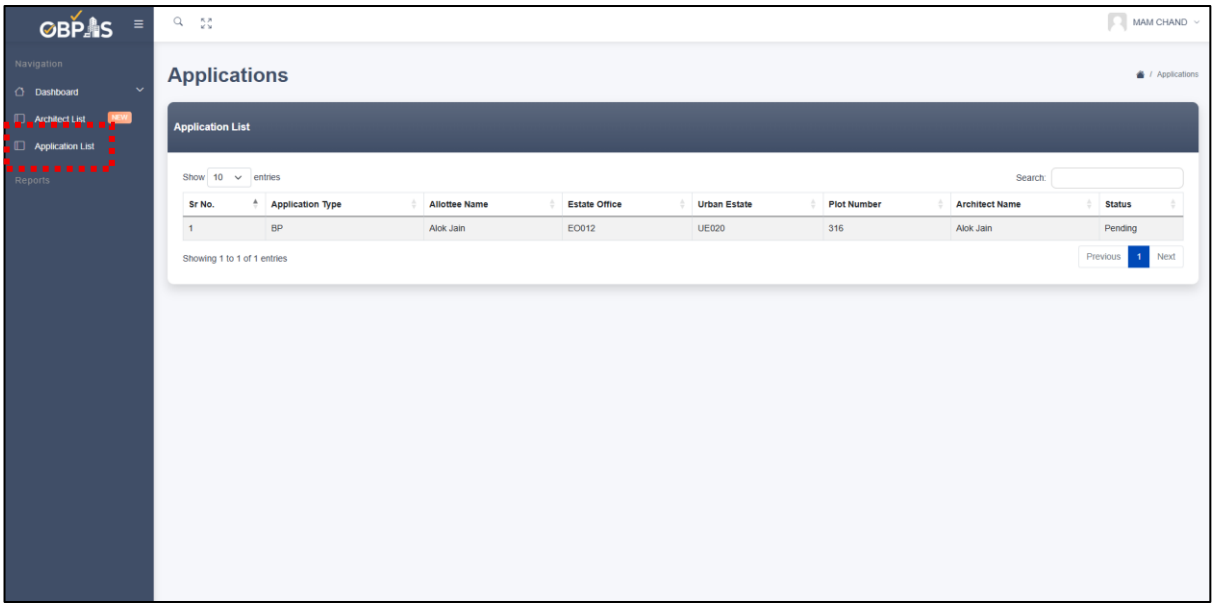
Step 4: Select 'Assign Architect for Building Plan' to allot an architect. To choose another architect, click on 'Back' to return to the list of empanelled architects.



Step 5: After clicking on 'Assign Architect for Building Plan,' a pop-up window will appear for reconfirmation. Click on 'Yes, Assign' to complete the process of selecting an architect.



Step 6: To verify the architect allocation, click on 'Application List'.

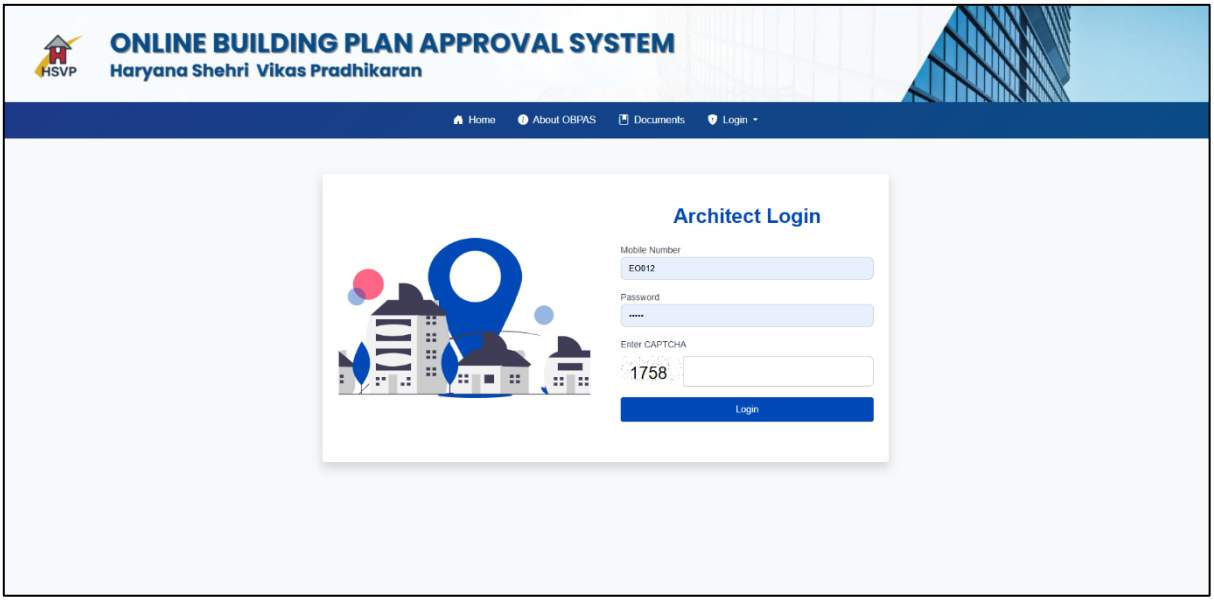


2.2. Architects' Login and Precheck

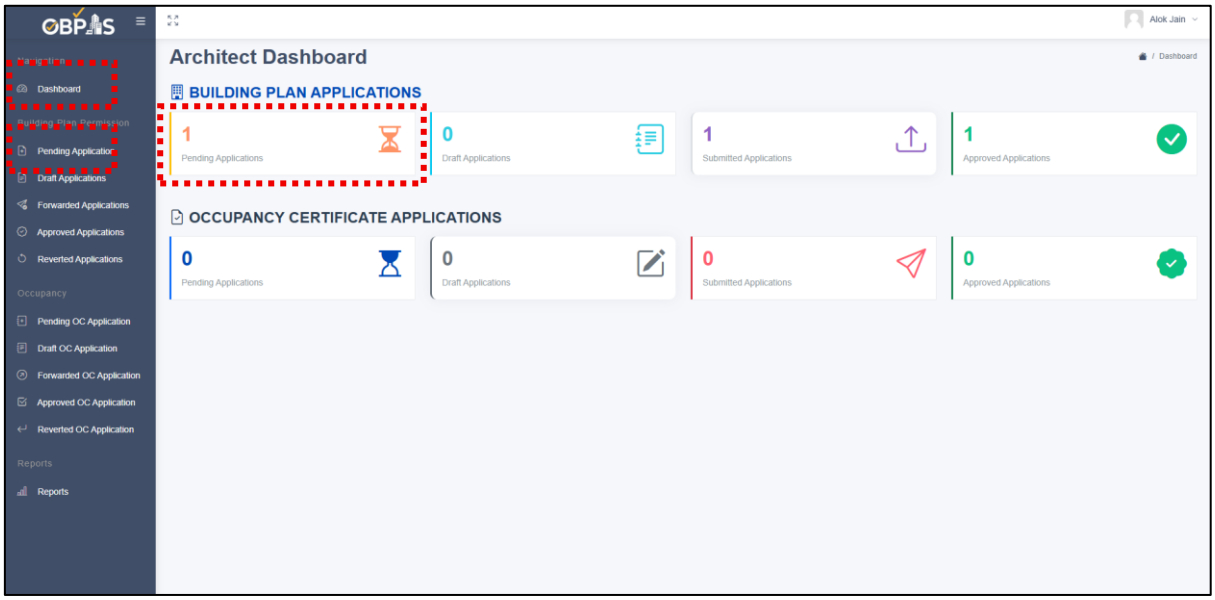
Upon submission by the applicant, the application is routed to the architect's inbox. Through the portal, the architect is required to upload the drawing files in the prescribed formats, attach supporting documents, and complete all prerequisite formalities to prepare the application for scrutiny. Before uploading the drawing file, the architect must validate it to ensure that all mandatory layers are correctly incorporated, enabling the scrutiny engine to read and process the drawing accurately. The architect may also utilise the scrutiny engine before submitting to JE for official scrutiny, which automatically parses drawing inputs and compares them with statutory limits as per the Haryana Building Code, 2017, and the instructions of the HSVP (setbacks, FAR, coverage, height, etc.). The engine performs a parameter-wise comparison between "permissible values" and "submitted values," marking each parameter as pass/fail. The engine also generates a comprehensive report summarising deviations and highlighting non-compliant elements.

In the event of any errors or deviations from the building code, the architect shall make the necessary modifications and re-upload the revised drawing, along with the supporting documents. Once a successful scrutiny report is generated and submitted for JEs technical scrutiny, the architect shall initiate payment of the requisite fees through the integrated payment system and generate the corresponding receipt. Until such payment is made, the application shall remain in a pending state. Upon successful payment, the application will be automatically transferred to the Junior Engineer's queue for technical scrutiny, with all supporting documents and payment receipts duly linked to the application record.

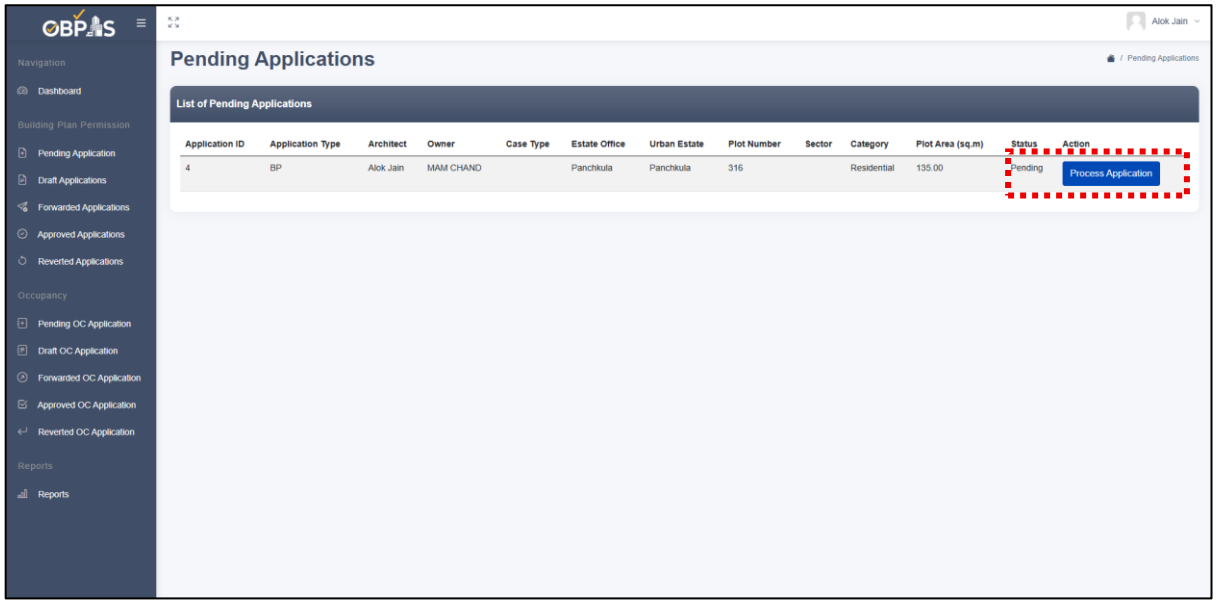
Step 1: Architects must log in using the credentials provided by HSVP at the URL https://obpas.hsvphry.org.in/ to review applications initiated by the allottees.



Step 2: After logging in, the architect must click on 'Pending Applications' from the menu or select 'Pending Applications' from the dashboard to initiate the application process.

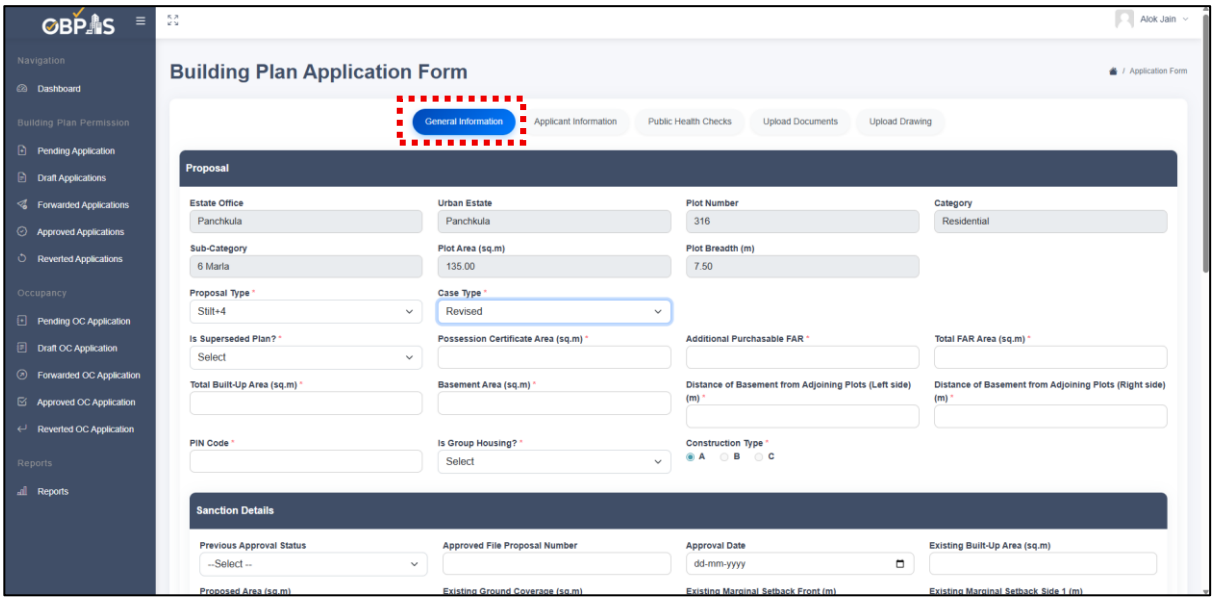


Step 3: Architect must click on "Process Application" to initiate the application process.

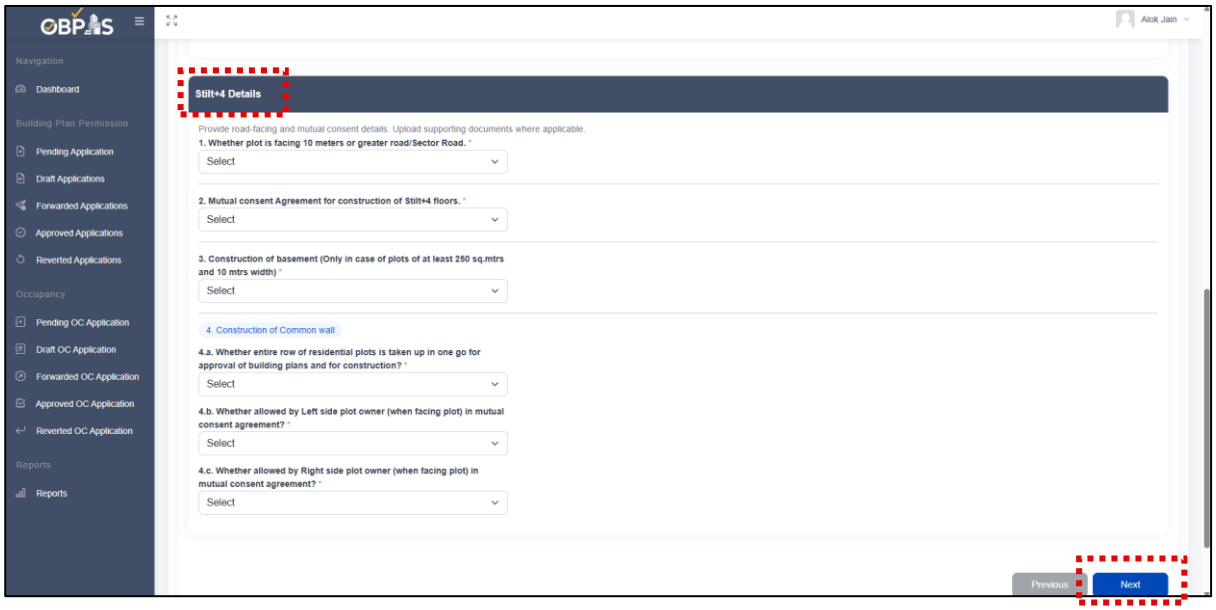


Step 4: After clicking on "process Application", "Building Plan Application Form" appears in which the basic plot information (such as Estate Office, Plot Number, Category, Plot Area, etc.) will be automatically fetched from the PPM. Fields marked with a red asterisk (*), such as plot area as per possession certificate, building plan details, proposal type and case type etc., are mandatory and must be filled in by the architect based on the building plan.

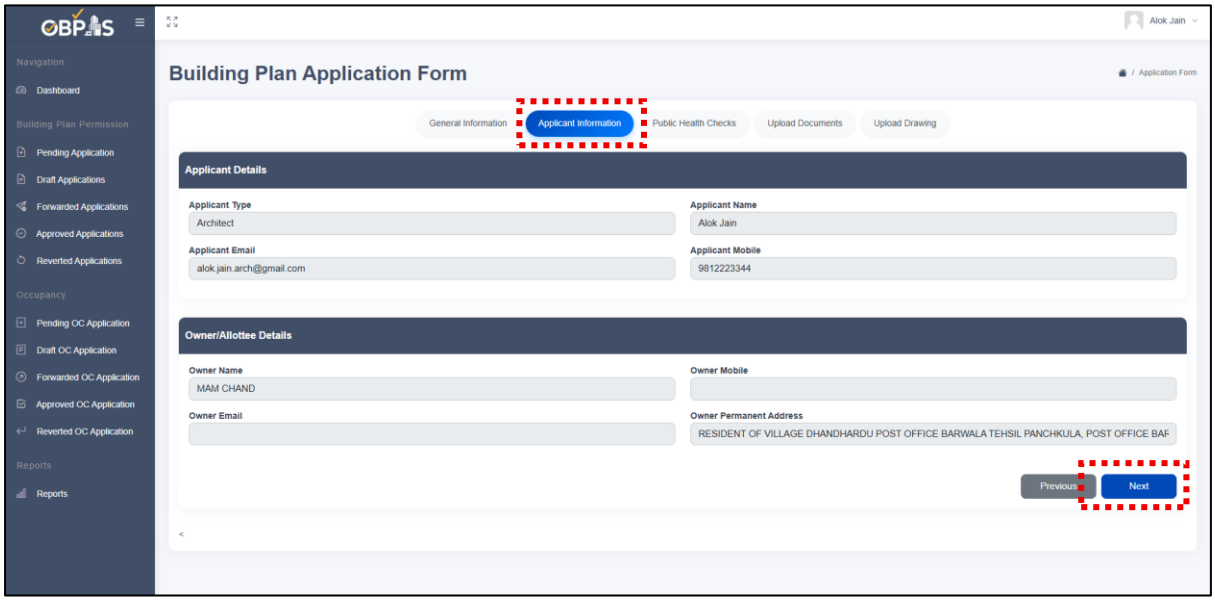
For a revised or superseded plan, the architect must enter the sanction details of the previously approved plan.



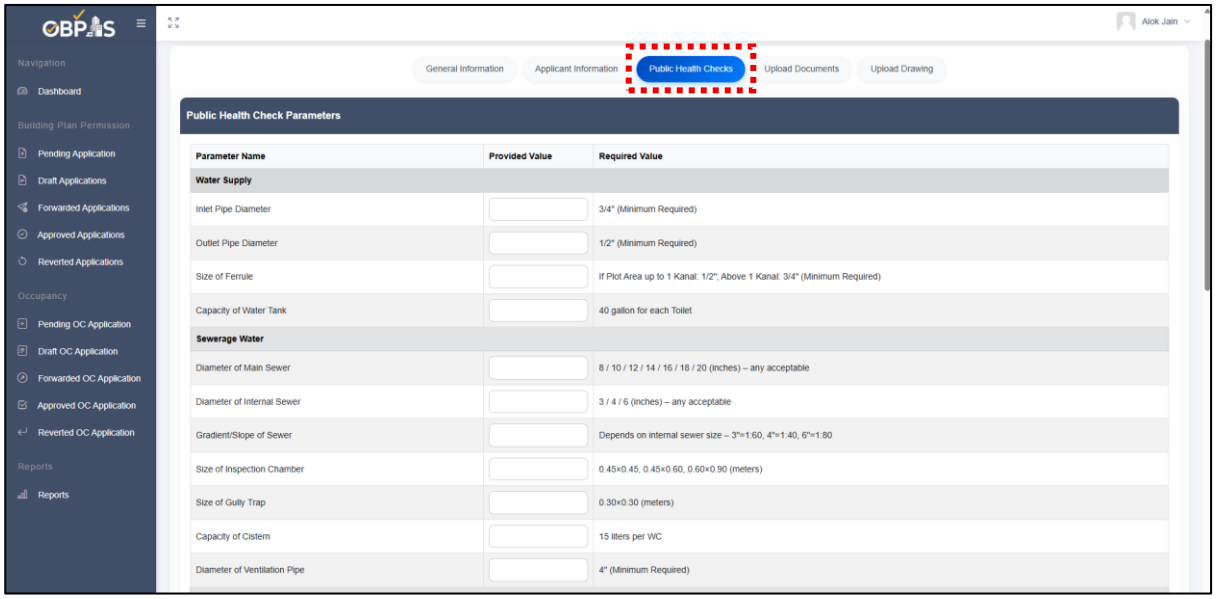
Step 4: If the proposed building plan is Stilt+4, the architect must provide additional details such as abutting road information, mutual consent agreement, etc., and then click on 'Next' to proceed.

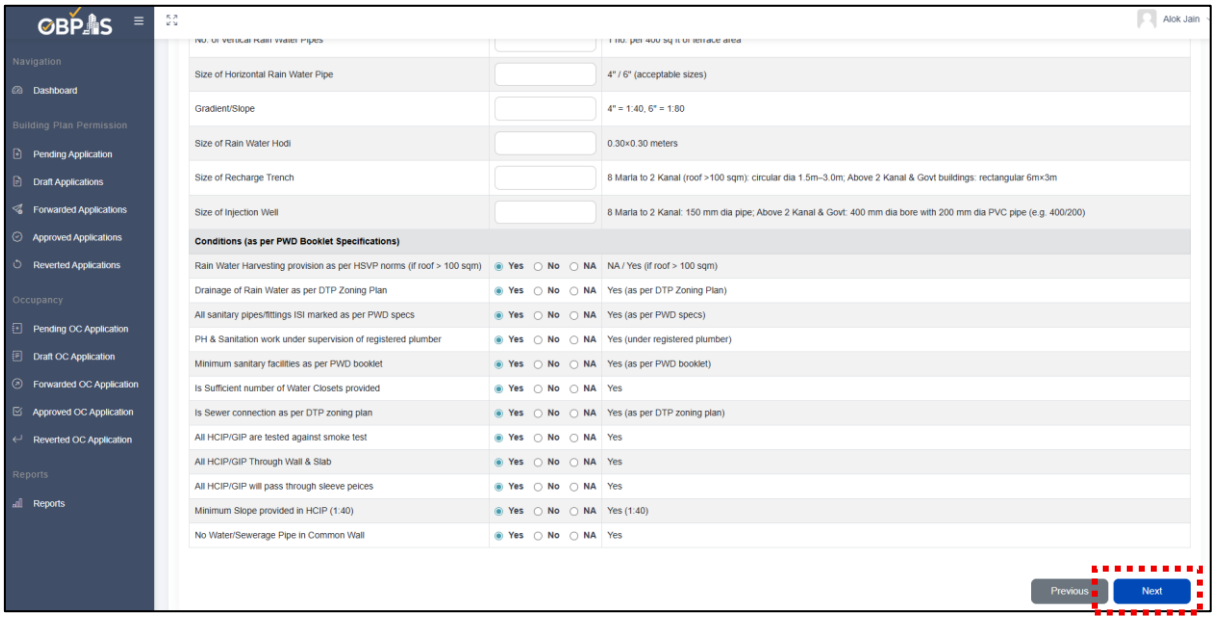


Step 5: After entering the general information, the architect must fill in the applicant's and allottee's details, including name, mobile number, and email address. This information will be used for further communication, and then click on "Next" to proceed.

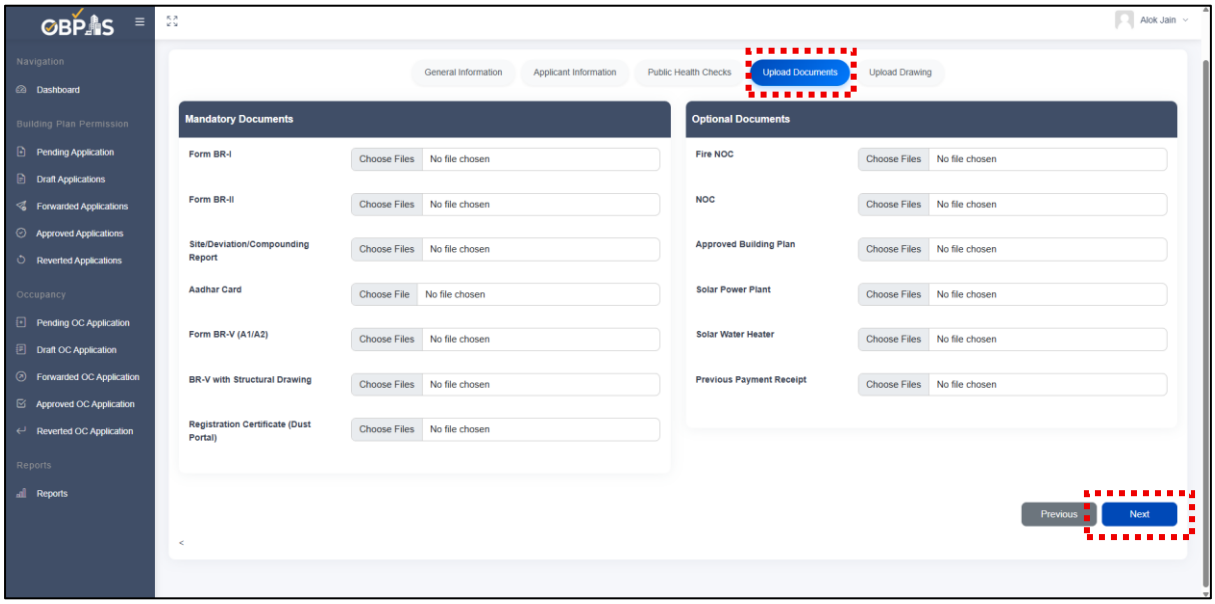


Step 6: The architect must also fill in the 'Public Health Checks' details, including information on water supply, sewerage and conditions as per PWD booklet specifications, and then click on 'Next' to proceed.

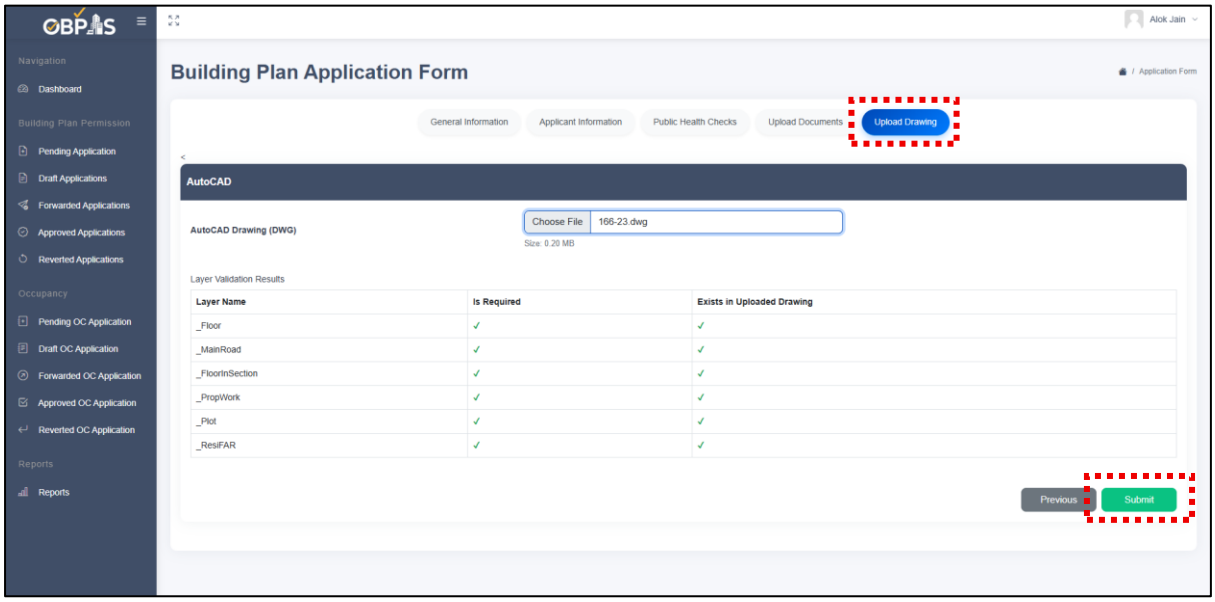




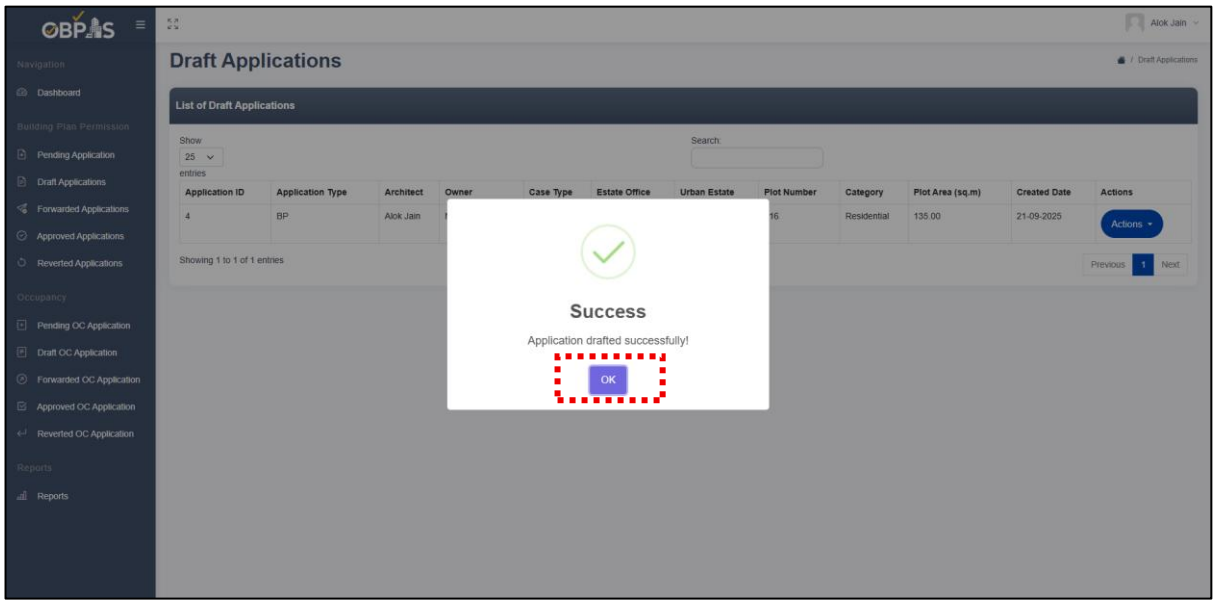
Step 7: The architect must upload the following documents: Form BR-I, BR-II, Site/Deviation/Compounding Report, Aadhar Card, Form V(A1/A2), Form V with Structural Drawing, and Registration Certificate (Dust Portal). Optional documents can also be uploaded, including Fire NOC, Approved Building Plan, Solar Power Plant, Solar Water Heater, and Previous Payment Receipts and then click on 'Next' to proceed.



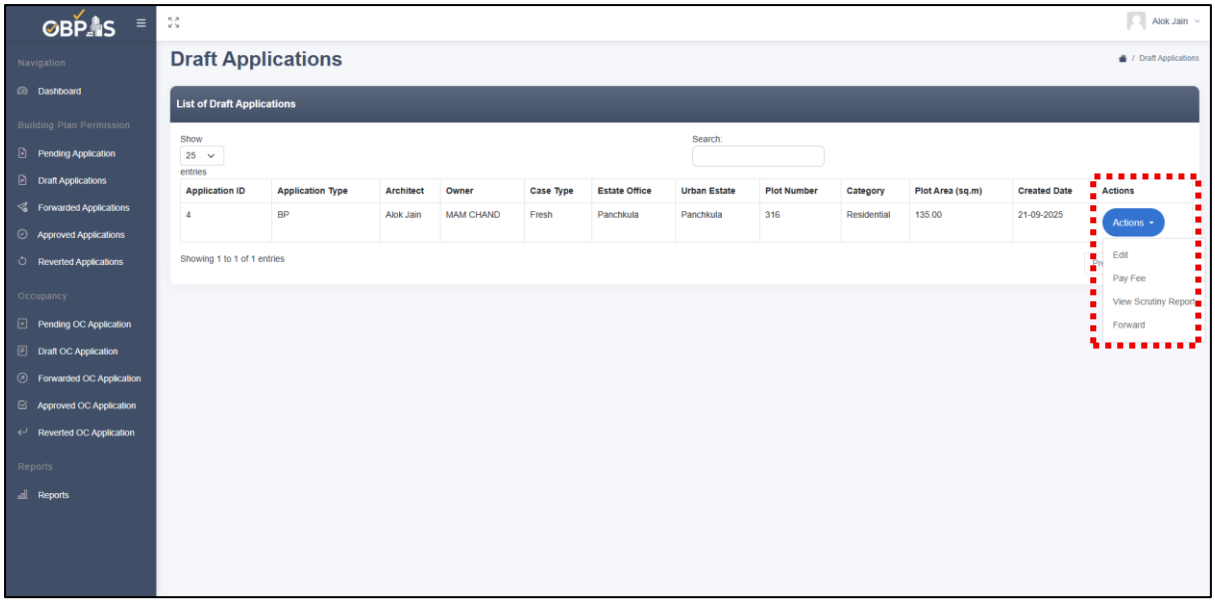
Step 8: After uploading the required documents, the architect must upload the building drawing to validate the mandatory layers. If any mandatory layers are missing, a table will display the missing layers. The architect must add the missing layers and re-upload the drawing. The application cannot proceed until all mandatory layers are present in the drawing. Once all mandatory layers are present in the drawing, the system will automatically validate it and enable the 'Submit' option. Click on 'Submit' to proceed.



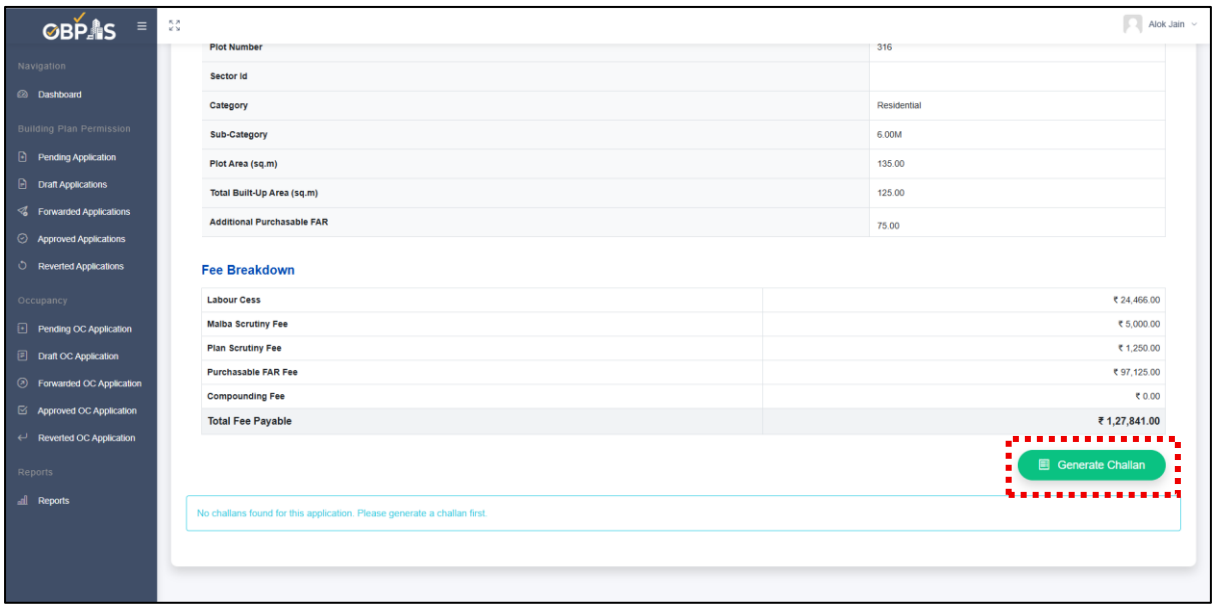
Step 9: After clicking 'Submit,' the application will be moved to 'Draft Applications.' Click 'OK' on the pop-up window to proceed.



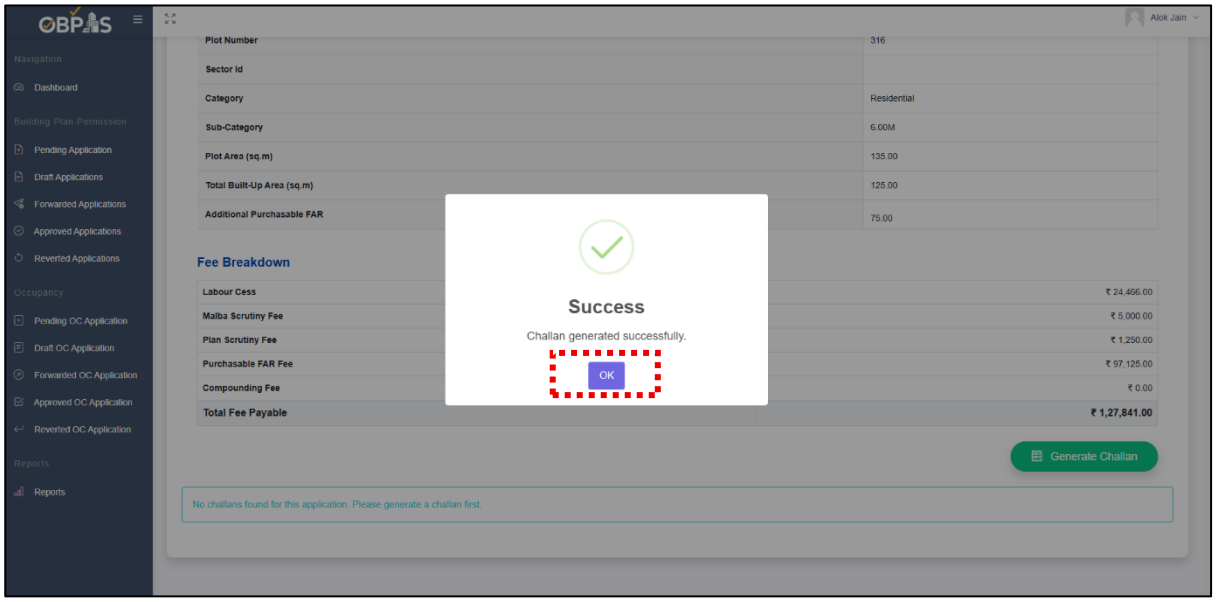
Step 10: When the application reaches 'Draft Applications,' the allottee can: edit the application by clicking 'Edit,' generate the scrutiny report via 'View Scrutiny Report,' generate the fee challan and pay the fee using 'Pay Fee,' and forward the application for JE's official scrutiny by clicking 'Forward.



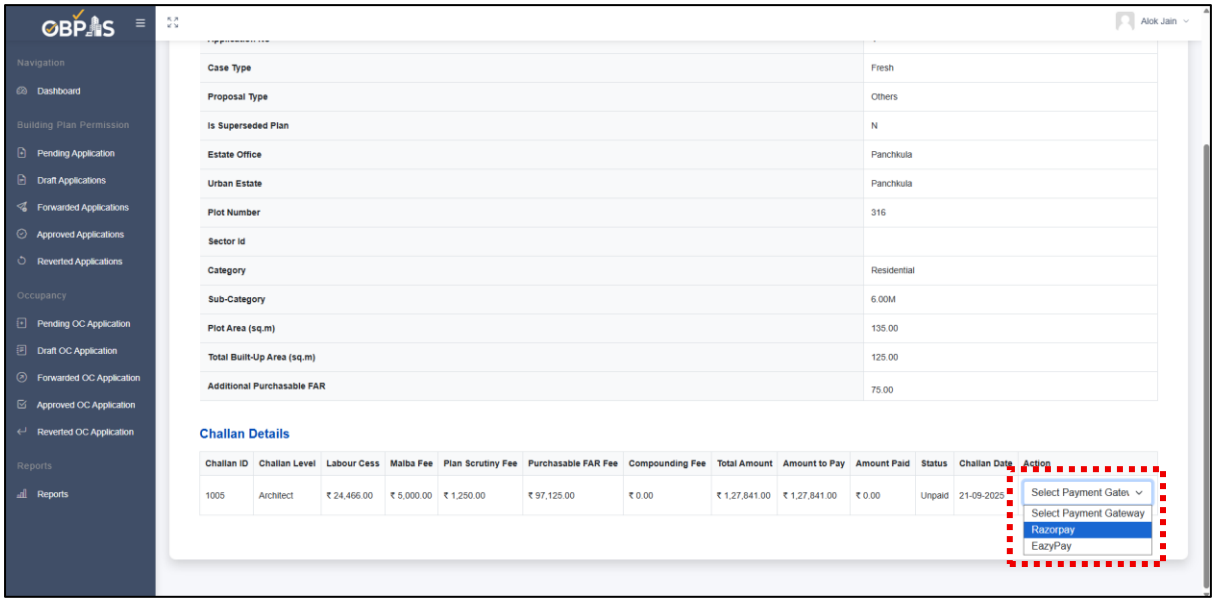
Step 11: The architect must click on 'Pay Fee,' review all fee details according to the coverage area of the building plan, and then click 'Generate Challan' to create the challan.



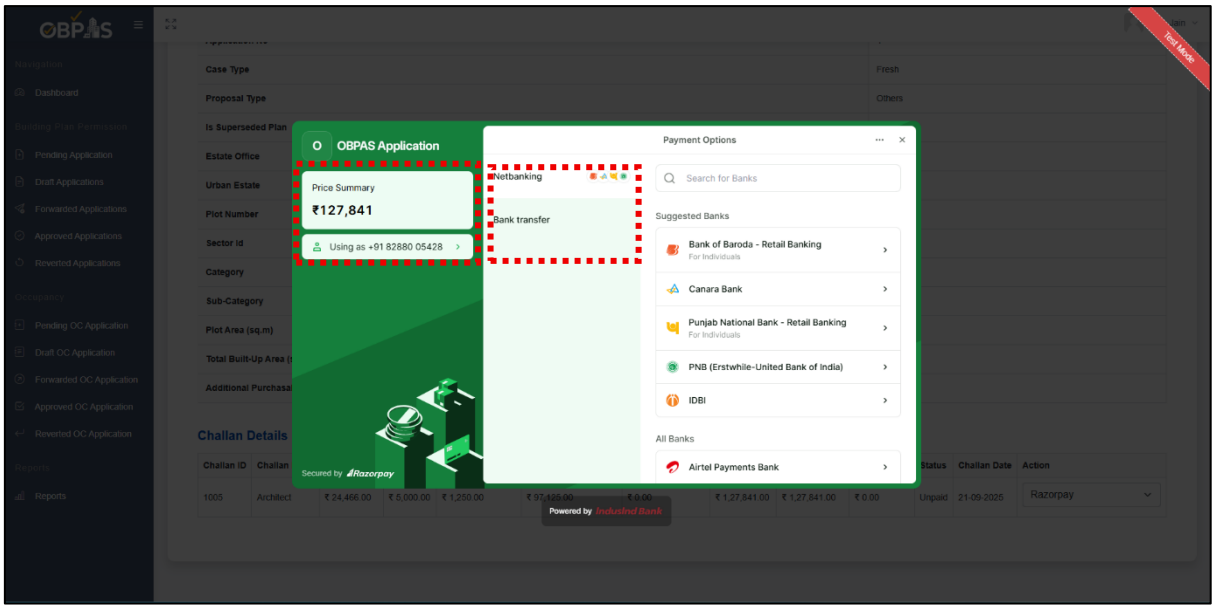
Step 12: Click on "OK" and proceed to options for payment gateways.



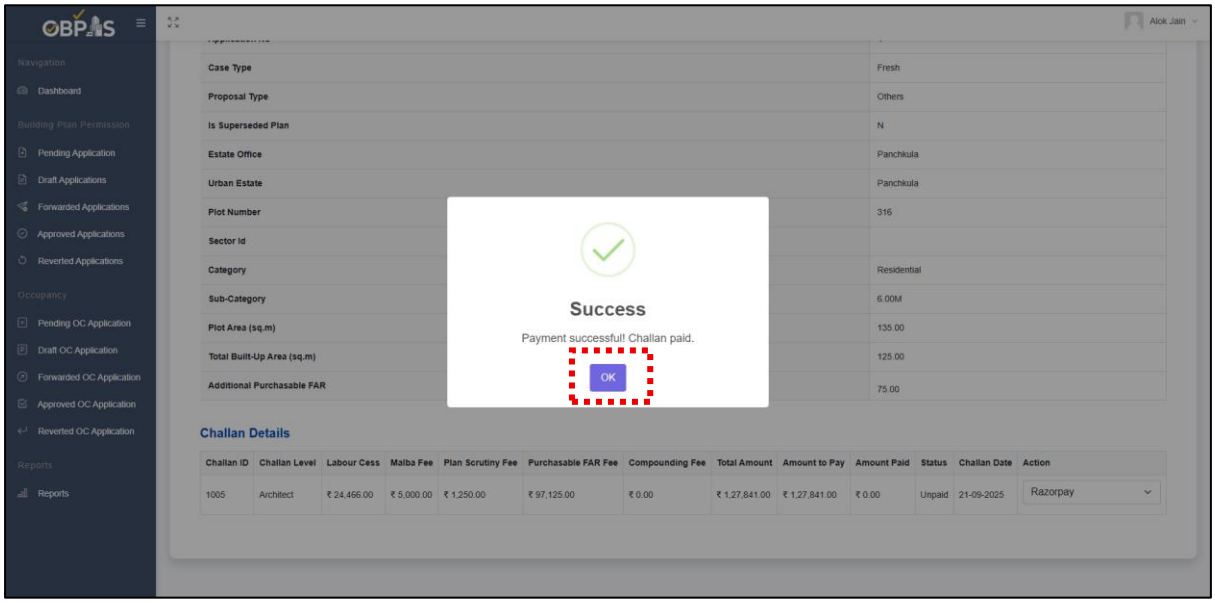
Step 13: The architect must select a payment gateway by clicking either 'RazorPay' or 'EasyPay.'



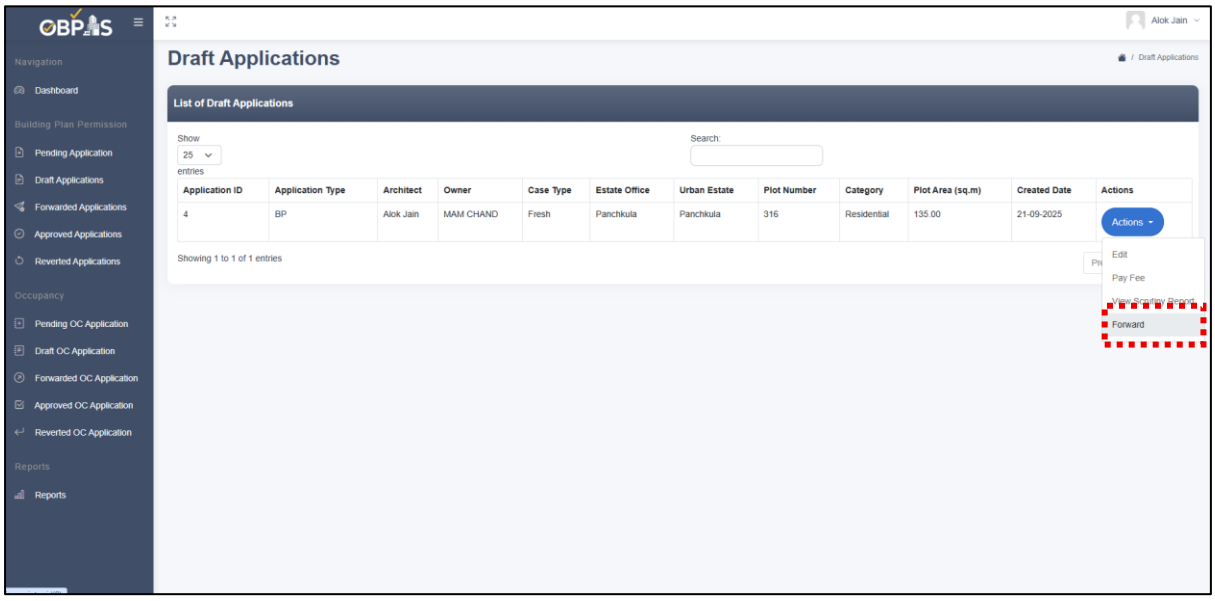
Step 14: Complete the transaction by selecting the appropriate option from the available payment methods.

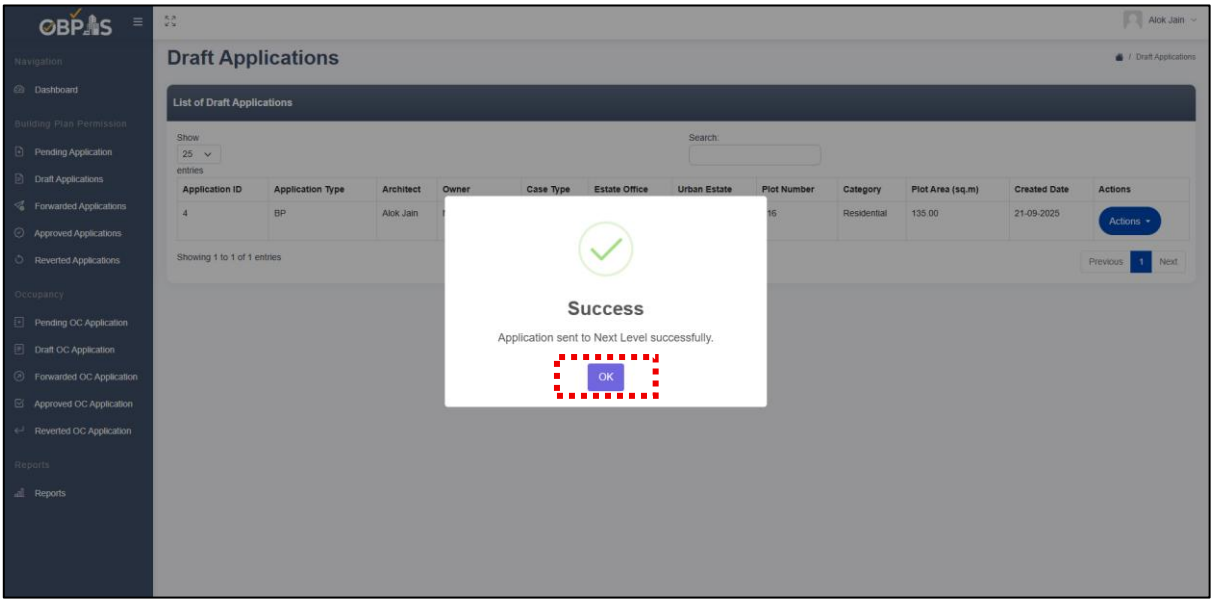


Step 15: Click on "OK" to go back to "Draft Applications".



Step 16: Click 'Forward,' then click 'OK' to complete the application process and submit it for JE's official scrutiny.





2.3. Scrutiny Engine and Parameters

Architects have the option to further scrutinise the drawing before submitting it for official verification. Once the results are found to be satisfactory, they can proceed to generate the fee receipt and make the necessary payments. It is important to note that architects will not be able to submit the drawing for official verification until all applicable fees have been paid.

Once the pre-check is passed and all applicable fees have been paid, the file is automatically forwarded to the relevant officials for scrutiny. The concerned officials run the drawing through the Scrutiny Engine, which compares the rules of the Haryana Building Code 2017 and Its Amendments, as well as instructions by the HSVP, with the extracted data from the submitted drawing, and generates a Scrutiny Report listing each rule of the Haryana Building Code 2017 and its amendments.

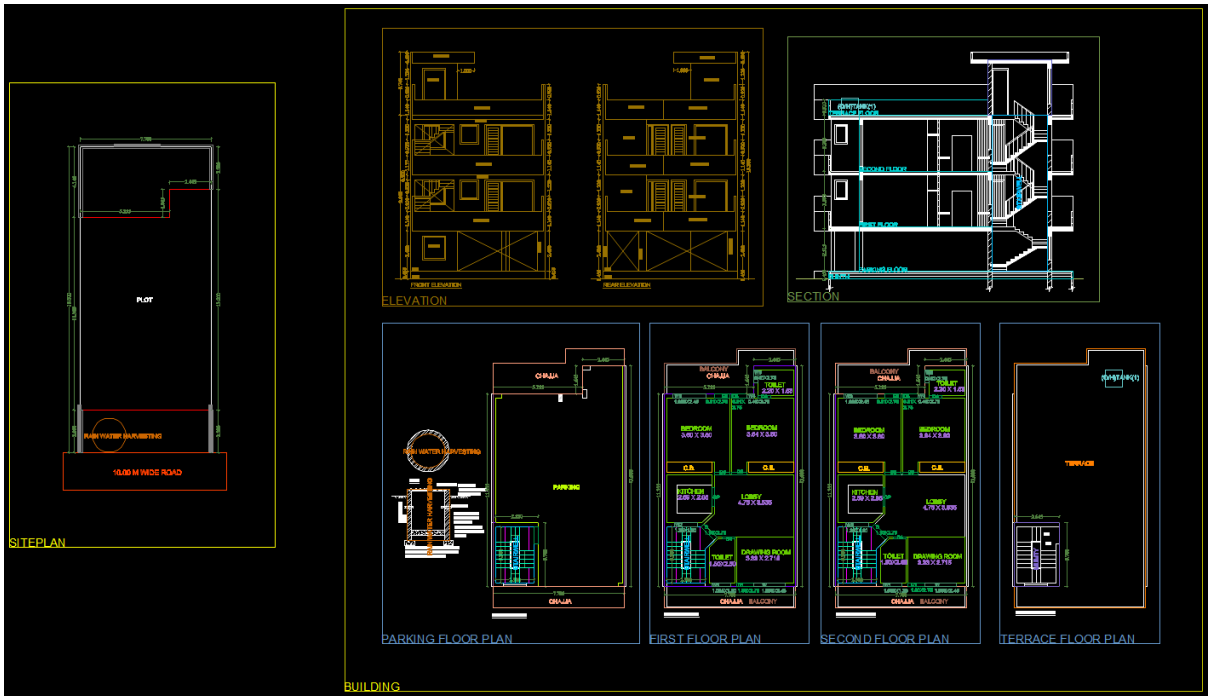
1. OBPAS scrutinises for compliance check of building rules of Haryana Building Code 2017 and Amendments.
2. A Scrutiny Report is generated for all drawings.
3. All non-compliant items will be shown in the report as "Failed" and compliant items as "Ok".
4. If the drawing is not as per the standards defined in the OBPAS, architects can download the drawing, and the errors can be corrected in the Original Drawing by the Architect and then reuploaded.

3. Procedure to Prepare the drawing

Architects need to add all layers, colours, and text based on their Building type requirements. Refer to the **Annexure** for screenshots of colour coding layers. Please note that these are only for viewing the colour coding and should not be used as a reference for any of the architectural elements.

3.1. DO's and DON'Ts

1. Drawings shall be prepared in the prescribed format, as the processing of the file and further generation of reports is dependent on the names of the layers, colour of layers, polylines and text placed in the drawing file as per the details mentioned in the **Details of Layers and Labels** and **Annexure.**
2. The bounding rectangle should be kept as a polyline containing the whole submission drawing with site plan, each floor plan, section, elevations and rainwater harvesting detail, etc, with labelling at the bottom left side of the rectangle as per layers mentioned in the **Details of Layers and Labels** and **Annexure.** Any Floor plans shall be placed within a bounding rectangle as shown in the picture below, and any plans placed outside this bounding rectangle will not be scrutinised.



3. Compulsory labels – Must add necessary labels to all floor plans and must add all texts. These labels must be uniform and as follows: BEDROOM, DRAWING ROOM, DINING,

SERVANT ROOM, STILT PARKING, DRESS, KITCHEN, TOILET, LOBBY, STORE, WC, and BATH, etc.

4. Polylines shall be drawn in the form of default Weight Polylines.
5. Before File submission online, unlock, Unfreeze and turn on, purge all unwanted Layers and check if the layer names and colours are as per the instructions.
6. All the screenshots in the manual are for representation purposes only; it is the prime responsibility of the Architect to ensure that the building plan is prepared in compliance with the rules.
7. All layers must be named and coloured as mentioned in the Annexure. Drawings made with different layer names and colours will not be scrutinised.
8. Text Height should be as mentioned in the sample drawings, as shown in the Annexure. Drawings made with different text heights will not be scrutinised.
9. Drawing units should be in meters.

DON'Ts

1. All drawing objects shall be in 2 Dimensional (Z-Coordinates – Zero) and placed without any elevation in the x-y plane (Top view). Do not import the data from 3D CAD Software.
2. Don't upload password-protected CAD drawing.
3. Avoid unnecessary objects and unnecessary coordinates in polylines in the drawing.

4. Details of Layers and Labels

4.1. Details of Layers.

The layers and building components to be represented in the site plan, floor plan, sections, and other building components, along with their corresponding layer names, are specified as follows:

Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
MARKINGS IN SITE PLAN					
1.	_Plot	white	0.25	default	-
2.	_PropWork	red	-	default	-
3.	_BoundaryWall	252	0.20	default	-
4.	_MainRoad	20	0.30	default	-
5.	_Gate	37	0.25	default	-
6.	_Parking	60	0.25	default	-
7.	_Dimension	87	-	default	0.20
INNER MARKINGS					
8.	_Room	72	0.25	default	-
9.	_RoomDimensions	193	0.25	default	-
10.	_ArchProj	21	0.25	default	-
11.	_Balcony	25	0.25	default	-
12.	_Door	114	0.20	default	-
13.	_Window	115	0.20	default	-
14.	_CB	40	0.20	Default	-
15.	_StaircaseWell	140	0.25	default	-
16.	_Stairs	120	-	default	-
17.	_StairFlight	105	-	default	-
18.	_StaircaseLanding	210	-	default	-
19.	_LiftWell	171	0.25	default	-
20.	_Courtyard	180	0.25	default	-
21.	_Void	111	0.25	default	-

Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
MARKINGS IN STILT FLOOR					
22.	_VentilationShaft	83	.25	default	-
23.	_CoverageProposed	215	-	default	-
-	_Parking	60	0.25	default	-
24.	_ResiFAR	190	-	default	-
-	_Dimension	87	-	default	0.20
FRESH BUILDING PLAN					
-	_CoverageProposed	215	-	default	-
-	_ResiFAR	190	-	default	-
REVISED BUILDING PLAN					
25.	_CoverageExisting & _CoverageProposed	241 & 215	-	default	-
26.	_ResiFAR for existing areas & _ResiFAR for proposed areas	200 & 190	-	default	-
-	_RoomDimensions	193	0.25	default	-
SECTION and OTHER LAYERS					
27.	_Terrace & _Tank	30 & 133	0.25	default	-
28.	_LiftMachineRoom & _Mumty	103 &183	0.25	default	-
29.	_Floor	153	0.50	default	-
30.	_Elevation	44	-	default	-
31.	_FloorInSection	132	0.25	default	-
32.	_GroundLevel &_MumtyInSection	63 &173	-	default	-
33.	_SubStructure	32	0.25	default	-

Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
34.	_Verandah	23	0.25	default	-
SITE PLAN and BUILDING PLAN					
35.	_SitePlan	50	.50	default	-
36.	_Building	52	.50	default	-

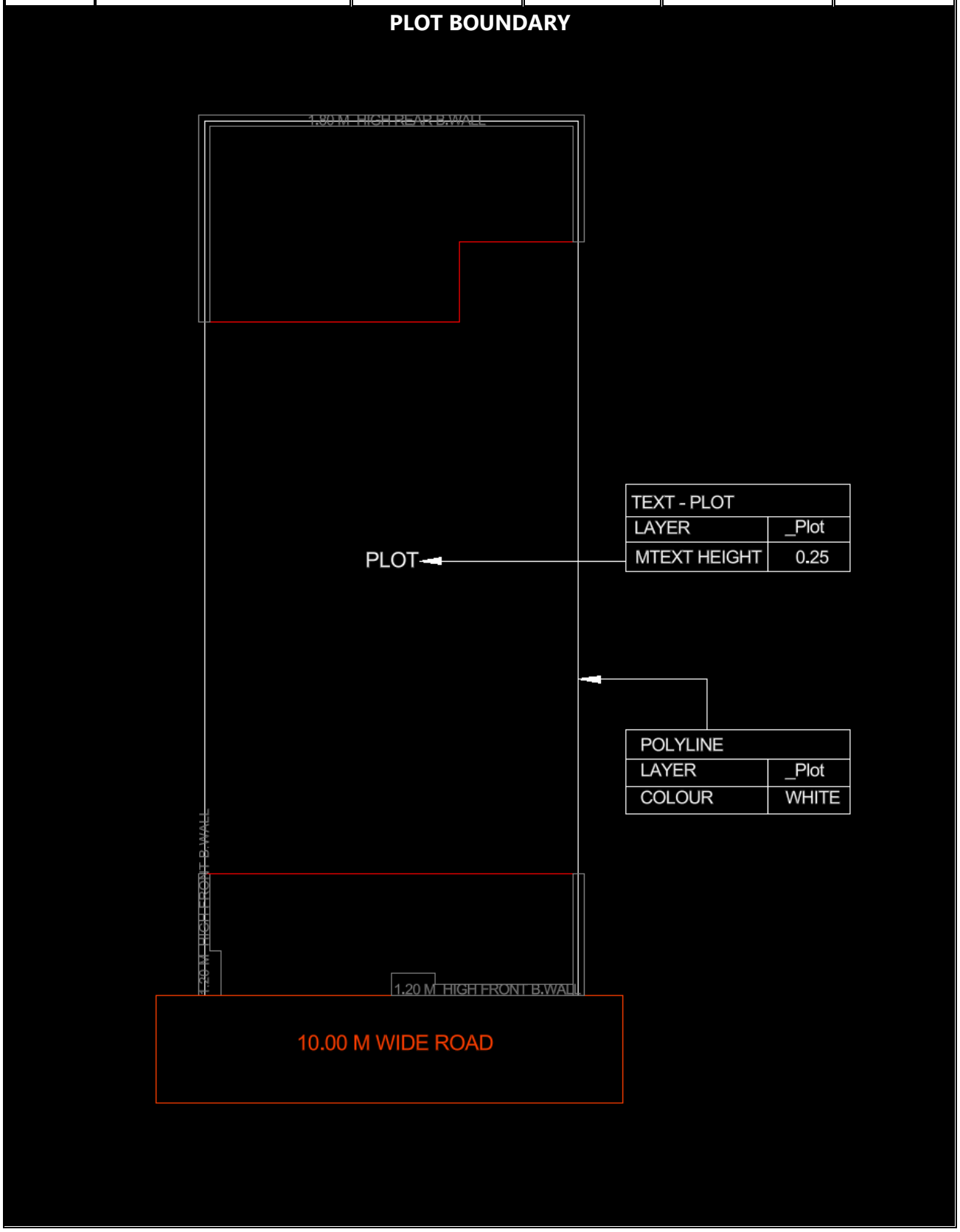
4.2. Details of Room Labels:

Room labels shall be added to the room as per the following:

- BEDROOM
- DRAWING ROOM
- DINING
- SERVANT ROOM – STILT PARKING
- DRESS
- KITCHEN
- TOILET
- LOBBY
- STORE
- WC
- BATH

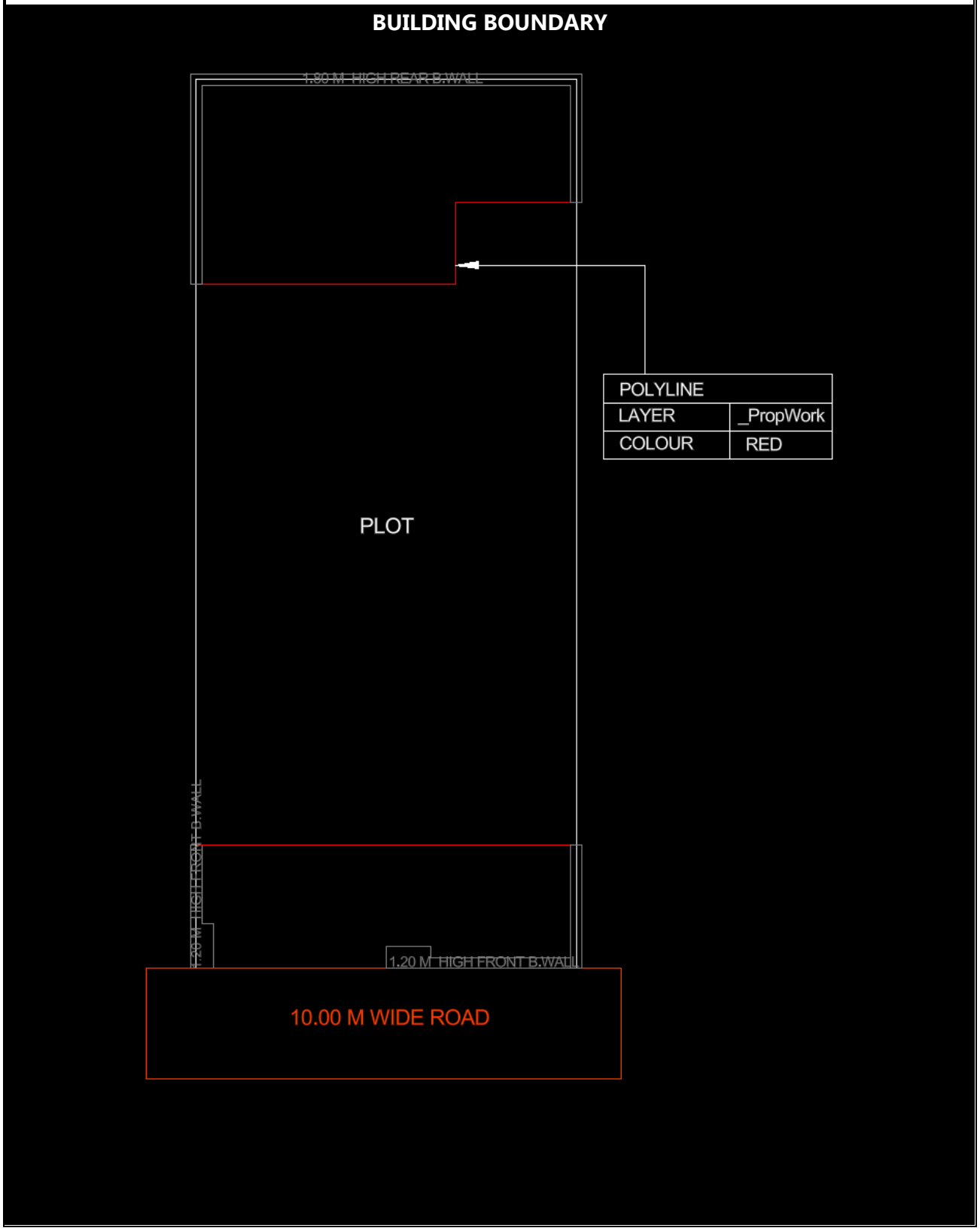
5. Annexures

Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
1.	_Plot	white	0.25	default	____



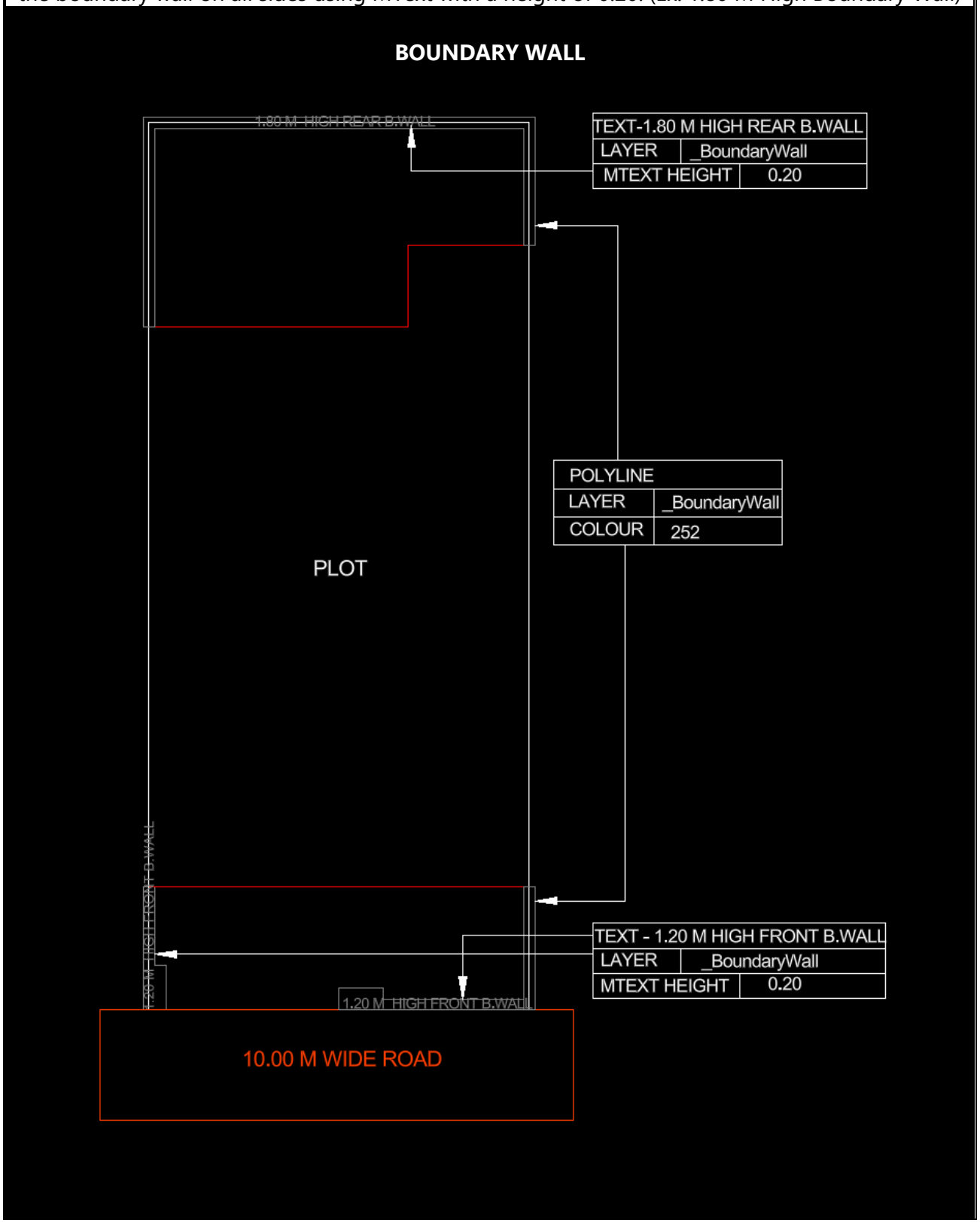
Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
2.	_PropWork	Red	____	default	____

Draft building boundary using Red Colour.



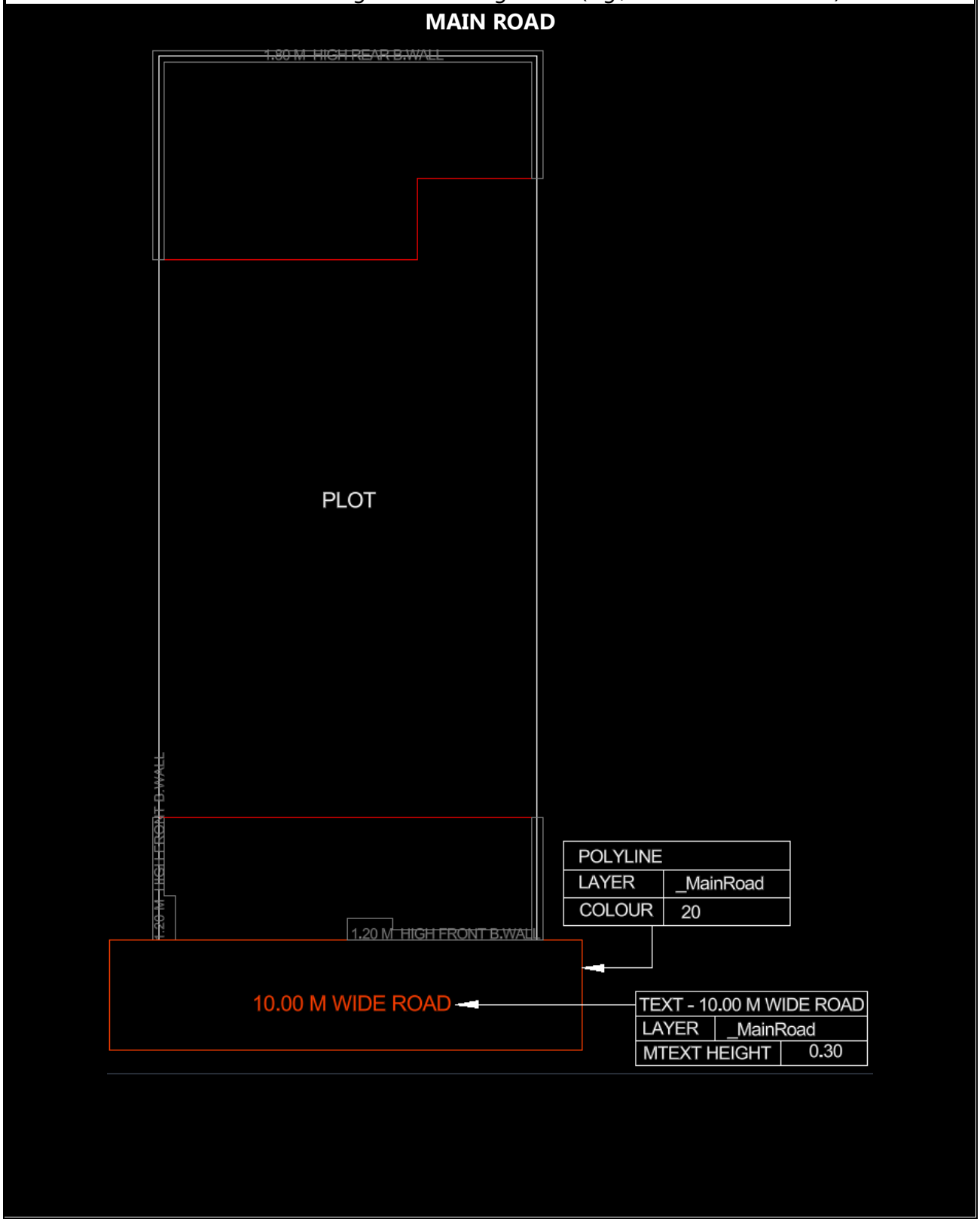
Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
3.	_BoundaryWall	252	0.20	default	____

Draft the boundary wall polylines using the plot boundary as the centreline. Specify the height of the boundary wall on all sides using MText with a height of 0.20. (Ex: 1.80 M High Boundary Wall)



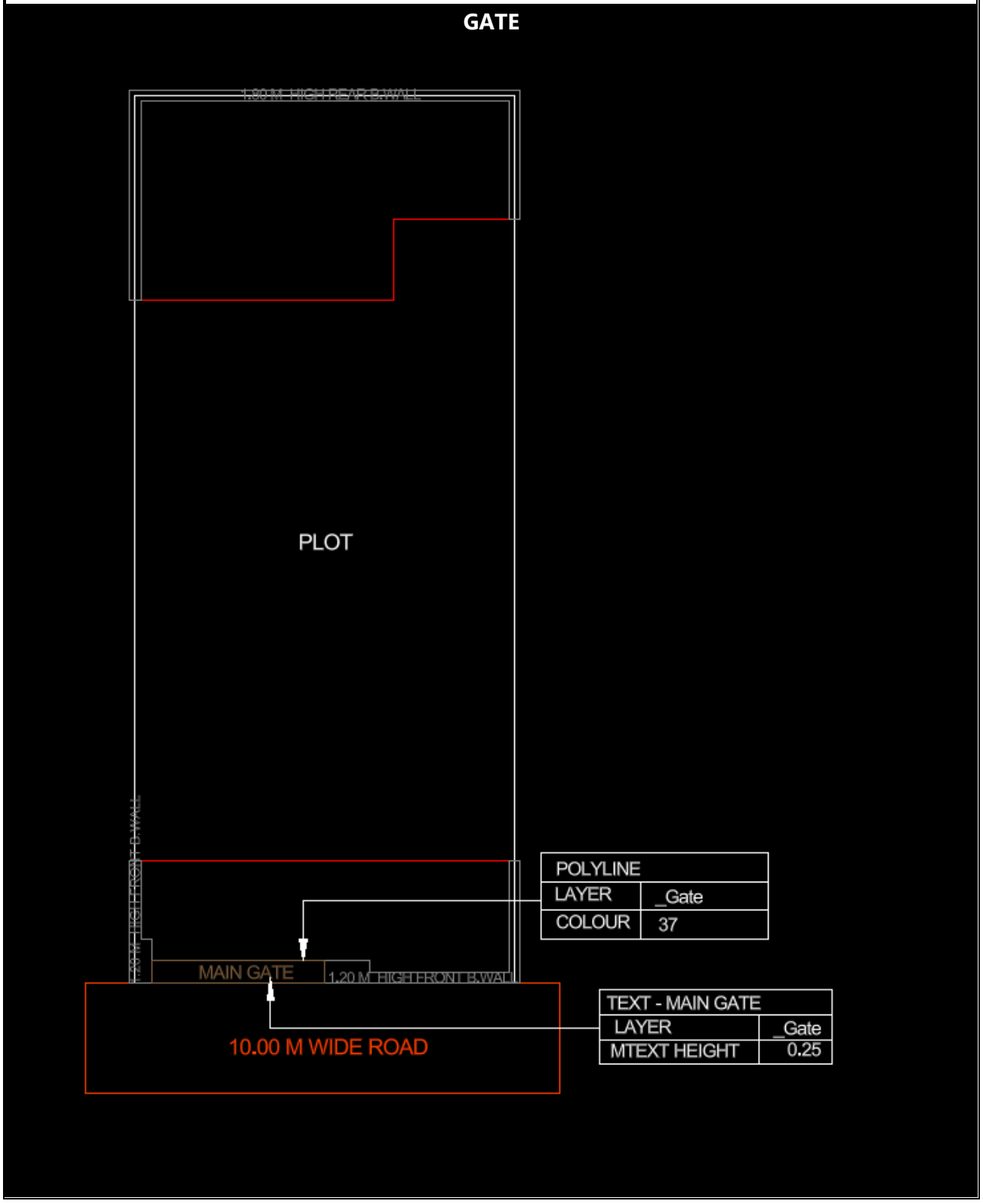
Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
4.	_MainRoad	20	0.30	default	___

Mark the abutting main road in the site plan using a polyline with colour number 20. Indicate the road width in the same colour using MText of height 0.30 (e.g., 10.00 M WIDE ROAD).



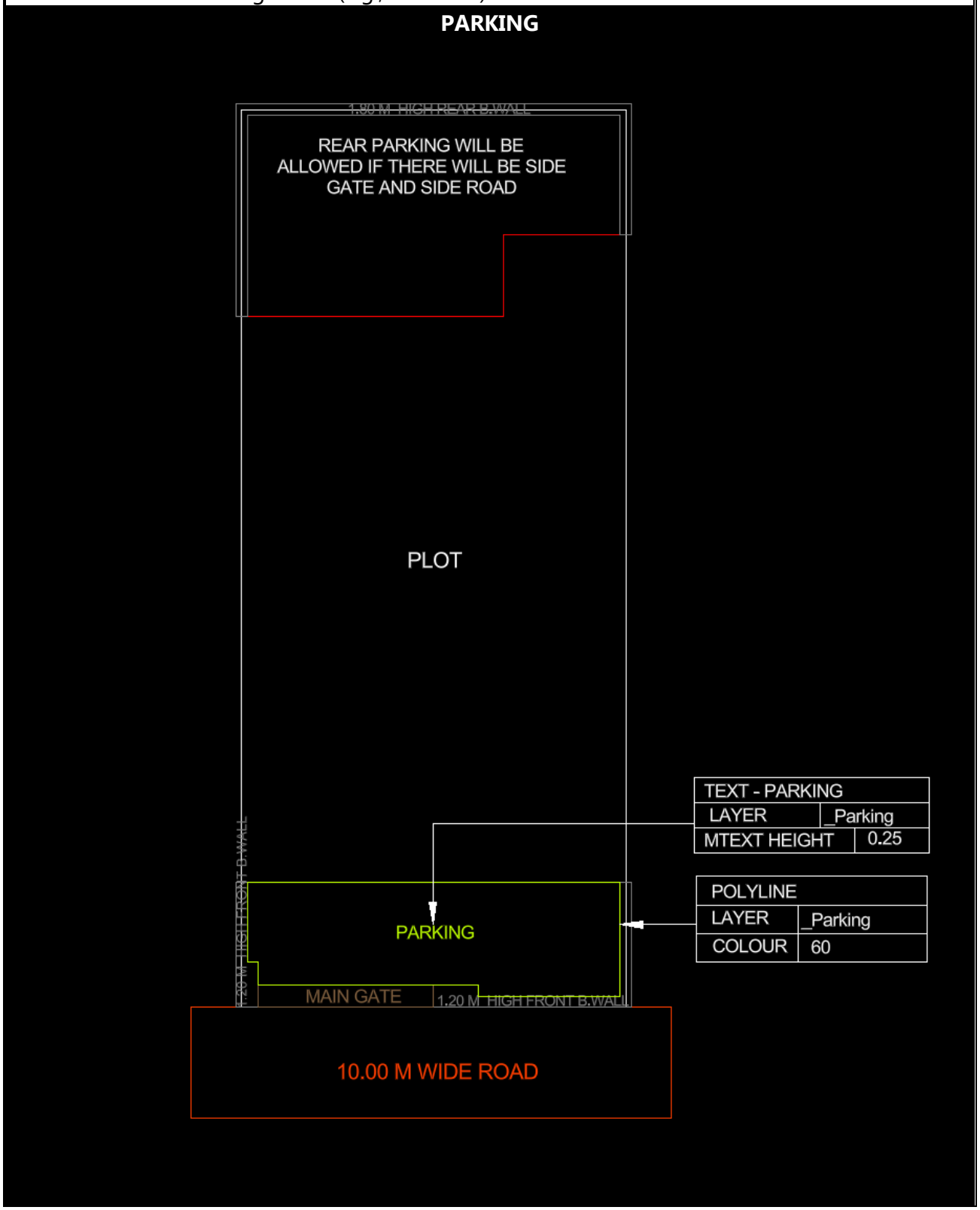
Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
5.	_Gate	37	0.25	default	___

Depict the main gate with a polyline in colour 37 and label it with MTEXT of height 0.25 in the same colour.



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
6.	_Parking	60	0.25	default	___

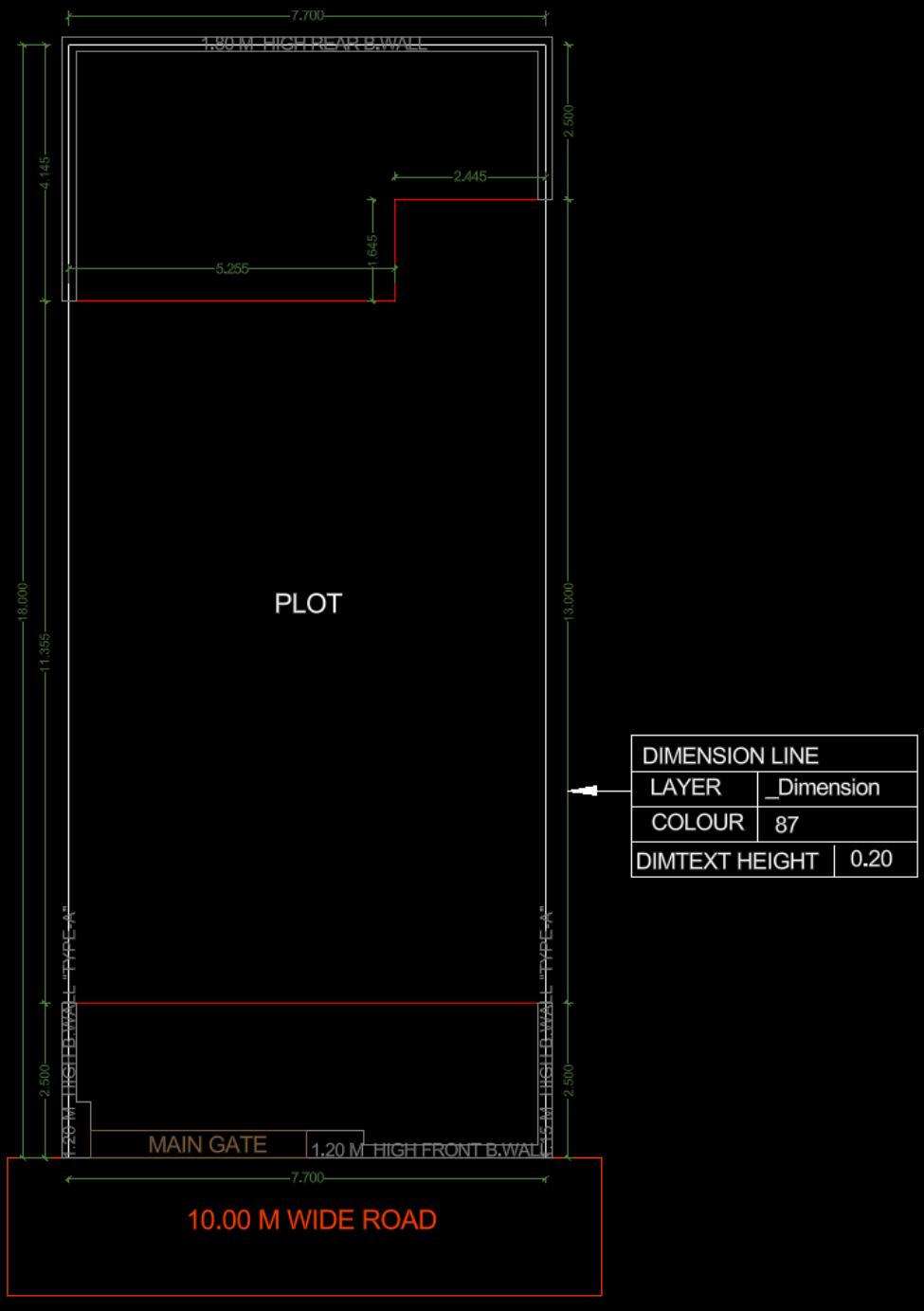
Depict the designated parking area in the floor plan using colour number 60. Indicate it in the same colour with MText of height 0.25 (e.g., PARKING).



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
7.	_Dimension	87	____	default	0.20

Dimensions of plot boundary, dimensions of building boundary and dimensions of front and rear setback must be mentioned in _Dimensions layer using colour number 87 and a dimension text height of 0.20.

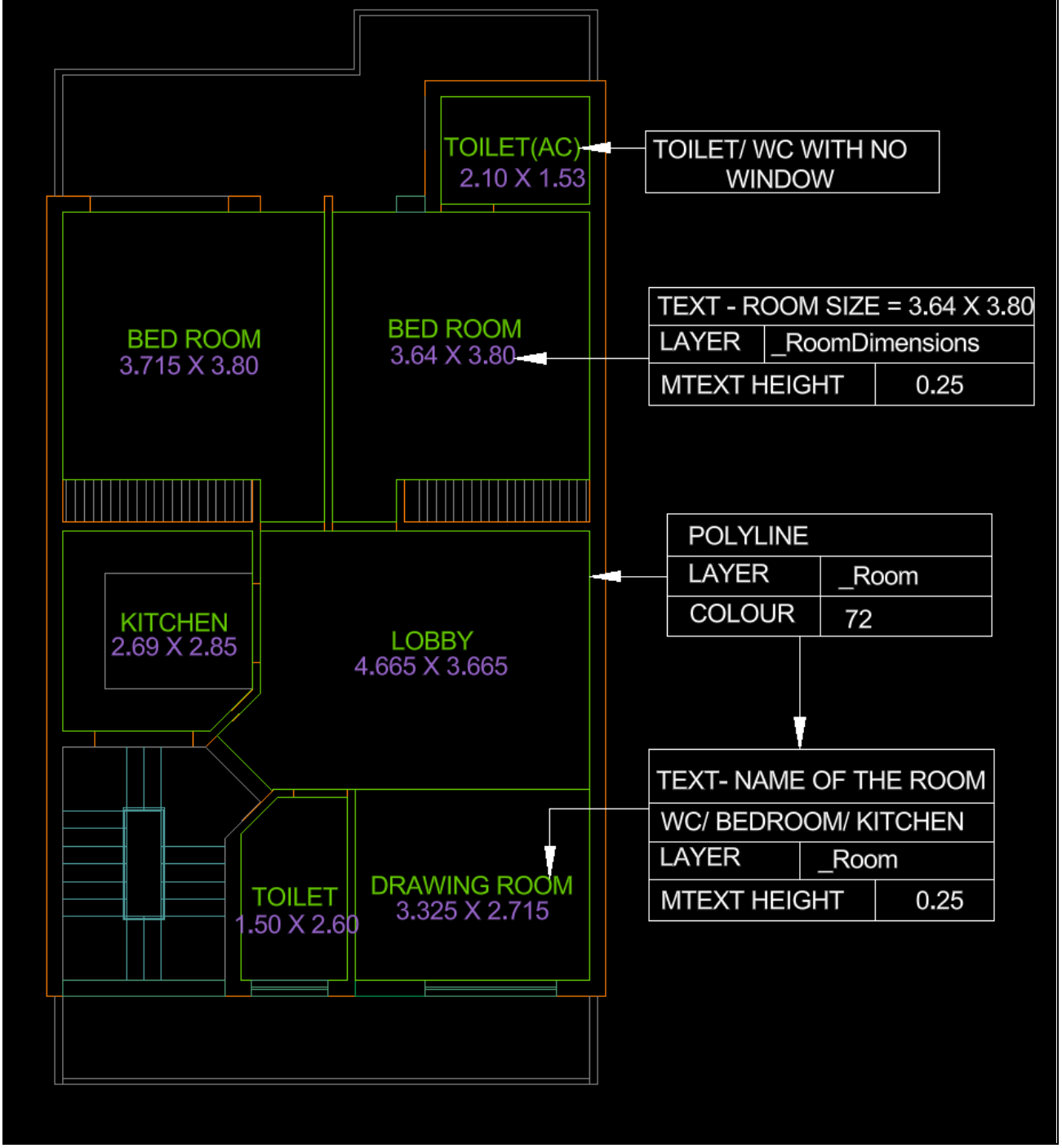
DIMENSIONS IN SITE PLAN



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
8.	_Room	72	0.25	default	___
9.	_RoomDimensions	193	0.25	default	___

In the floor plan, mark all rooms using colour number 72. Indicate room names in the same colour with MText of height 0.25. Write the room dimensions of all rooms in _RoomDimensions using colour number 193 using MText with a height of 0.25.

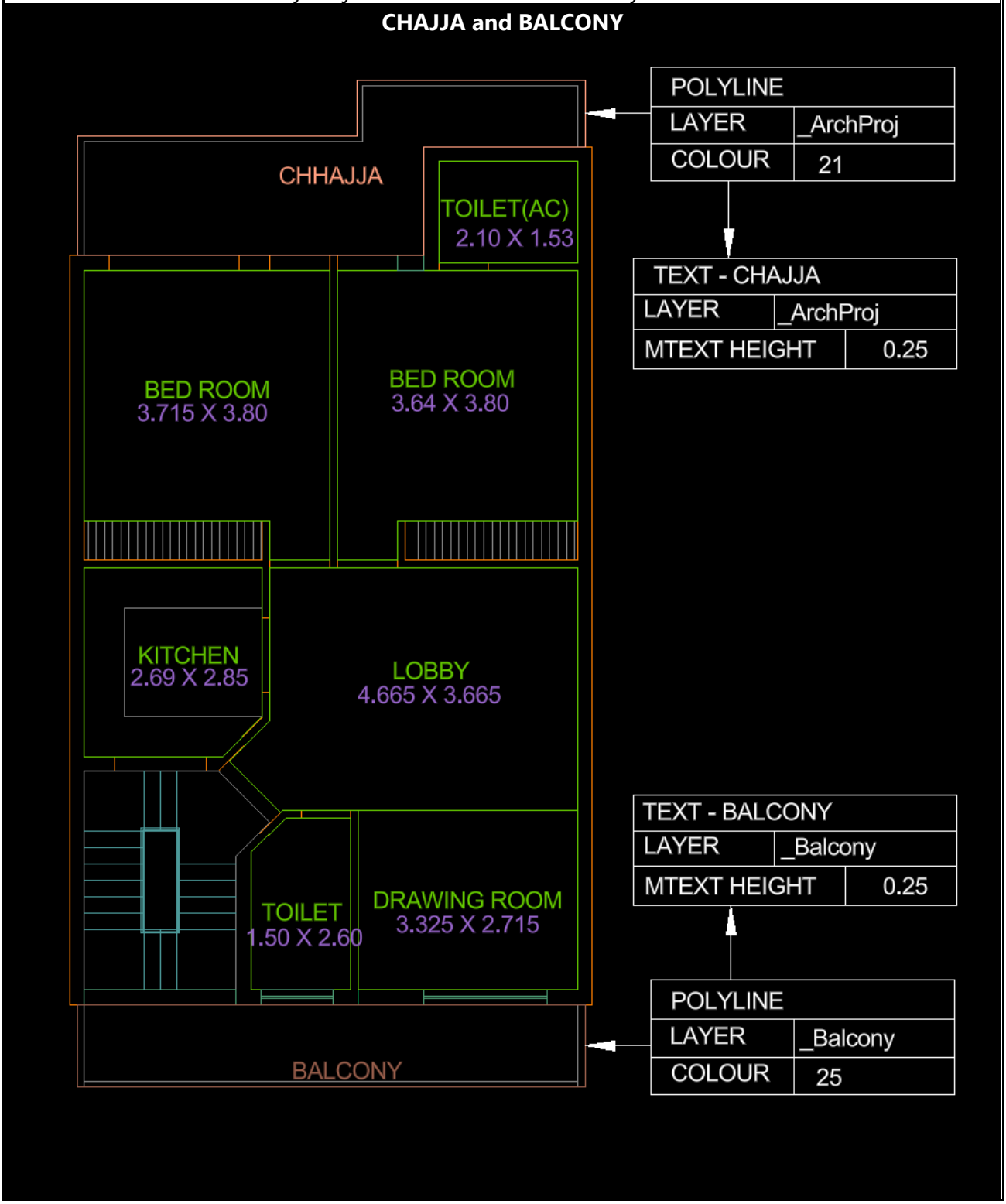
ROOM and ROOM DIMENSIONS



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
10.	_ArchProj	21	0.25	default	___
11.	_Balcony	25	0.25	default	___

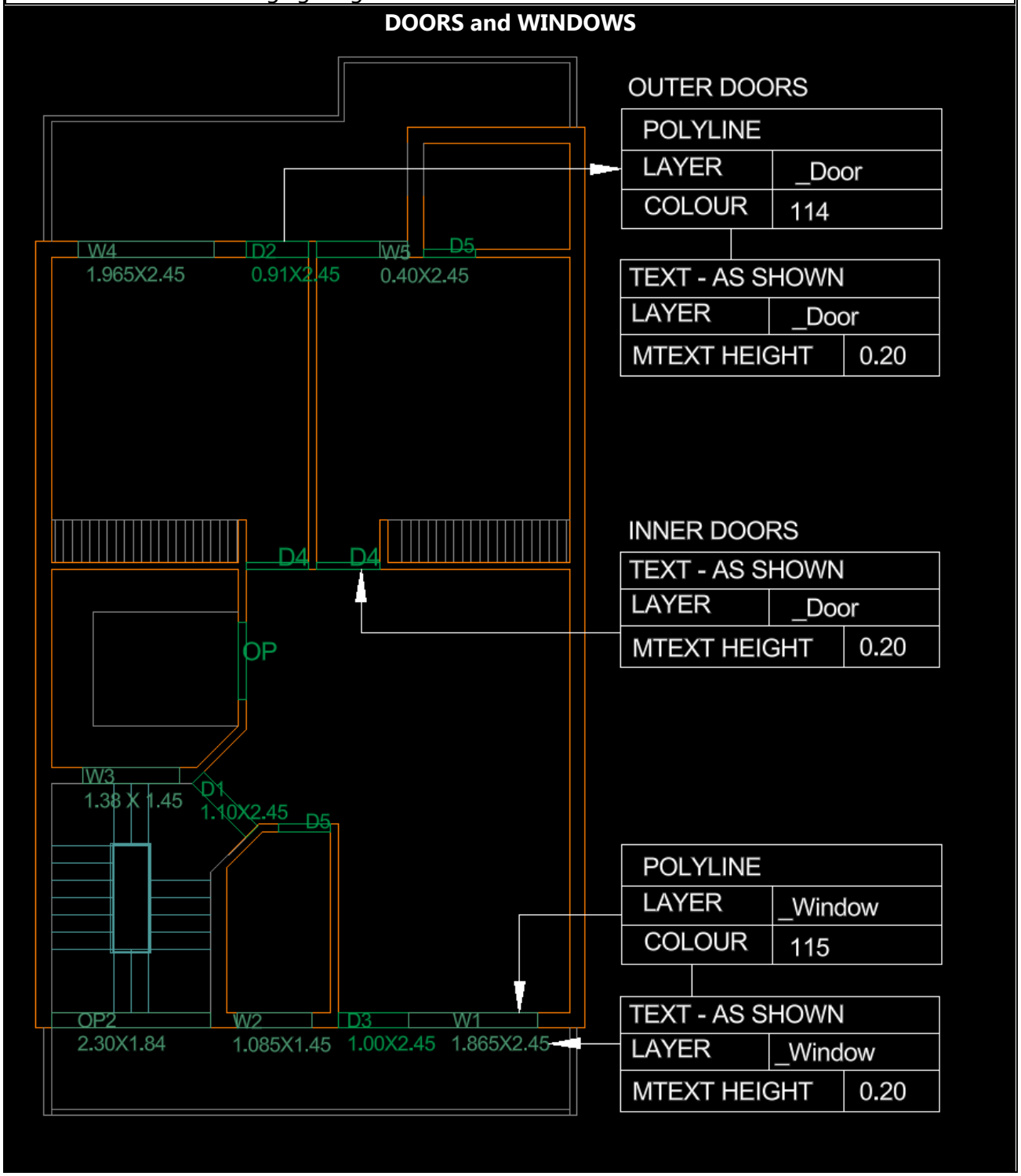
Depict Chajja using colour number 21 in _ArchProj layer and label it with MTEXT of height 0.25 in the same colour and Balcony Projection Shall be drawn as Polyline in in Colour No. 25

CHAJJA and BALCONY

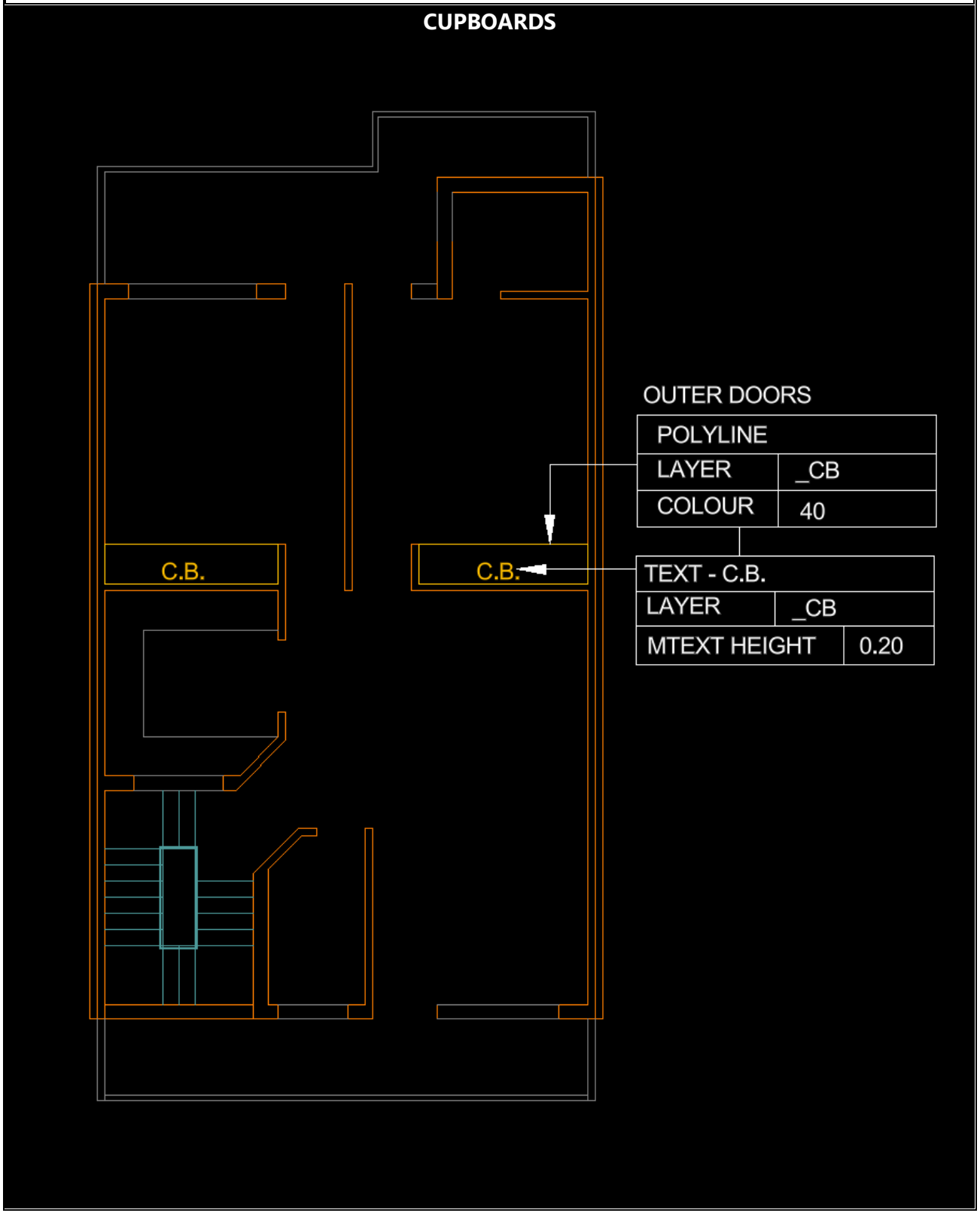


Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
12.	_Door	114	0.20	default	___
13.	_Window	115	0.20	default	___

Draft all doors and windows on every floor in colours 114 and 115 respectively and label their numbers and dimensions in matching colours using MText (height 0.20). note that all the doors and windows for checking lighting and ventilation should have different names on the same floor.



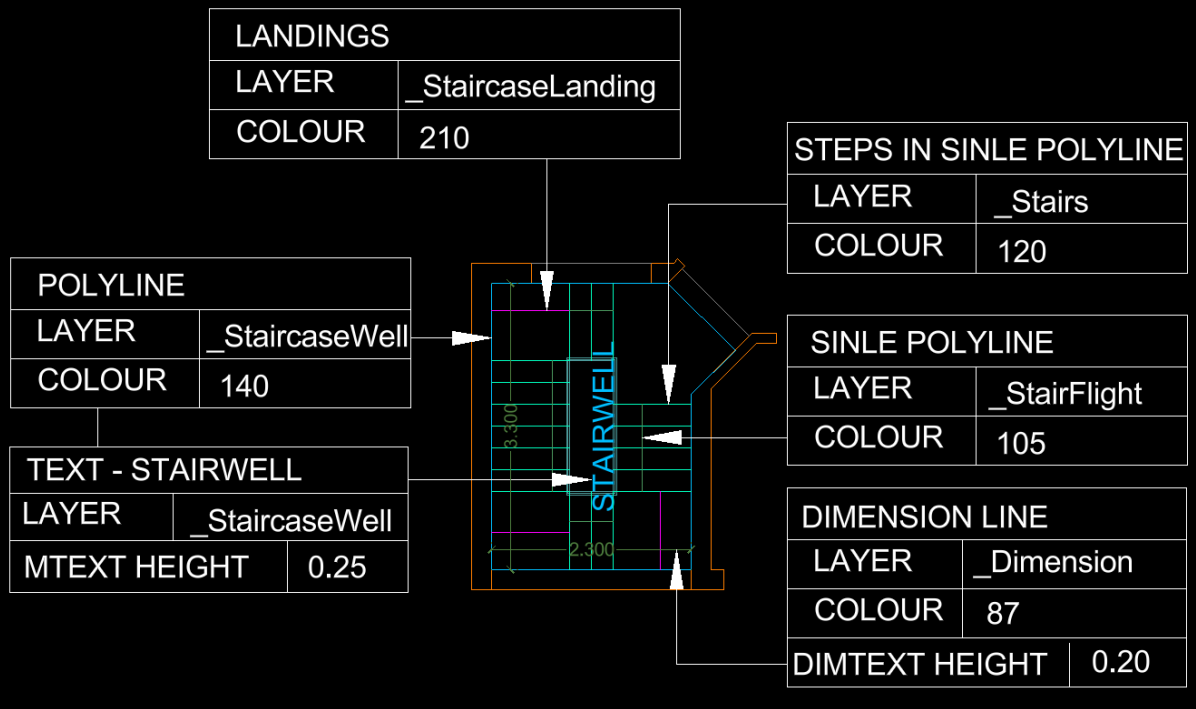
Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
14.	_CB	40	0.20	Default	___
Depict all cupboards using colour number 40 and late them in same layer with Mtext of height 0.20.					



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
15.	_StaircaseWell	140	0.25	default	___
16.	_Stairs	120	___	default	___
17.	_StairFlight	105	___	default	___
18.	_StaircaseLanding	210	___	default	___

1. Draft the staircase well in colour 140, covering all stair-related components, and label it "STAIRWELL" at the centre of the polygon using MText (height 0.25). Show dimensions inside the staircase well on the _Dimension layer, with the specified colour number and dimension text height of 0.20.
2. Draft all stairs within the staircase well using polylines in colour 120.
3. Connect all stairs on each flight with polylines in colour 105.
4. Indicate a staircase landing, wherever applicable, by drafting a polyline between the last stair and the opposite wall in colour 210.

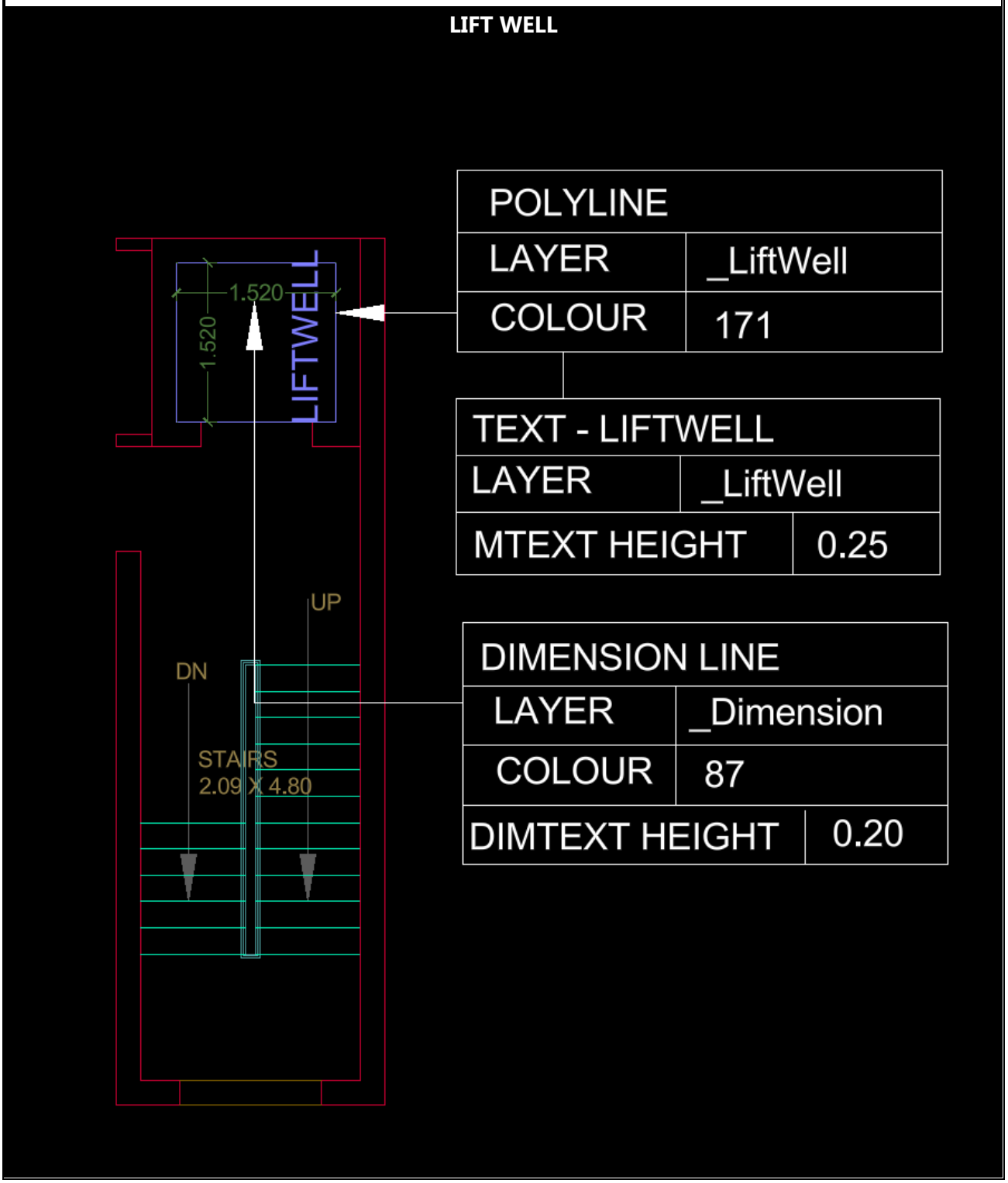
STAIRS, STAIRCASE WELL, STAIRCASE FLIGHT and STAIRCASE LANDING



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
19.	_LiftWell	171	0.25	default	___

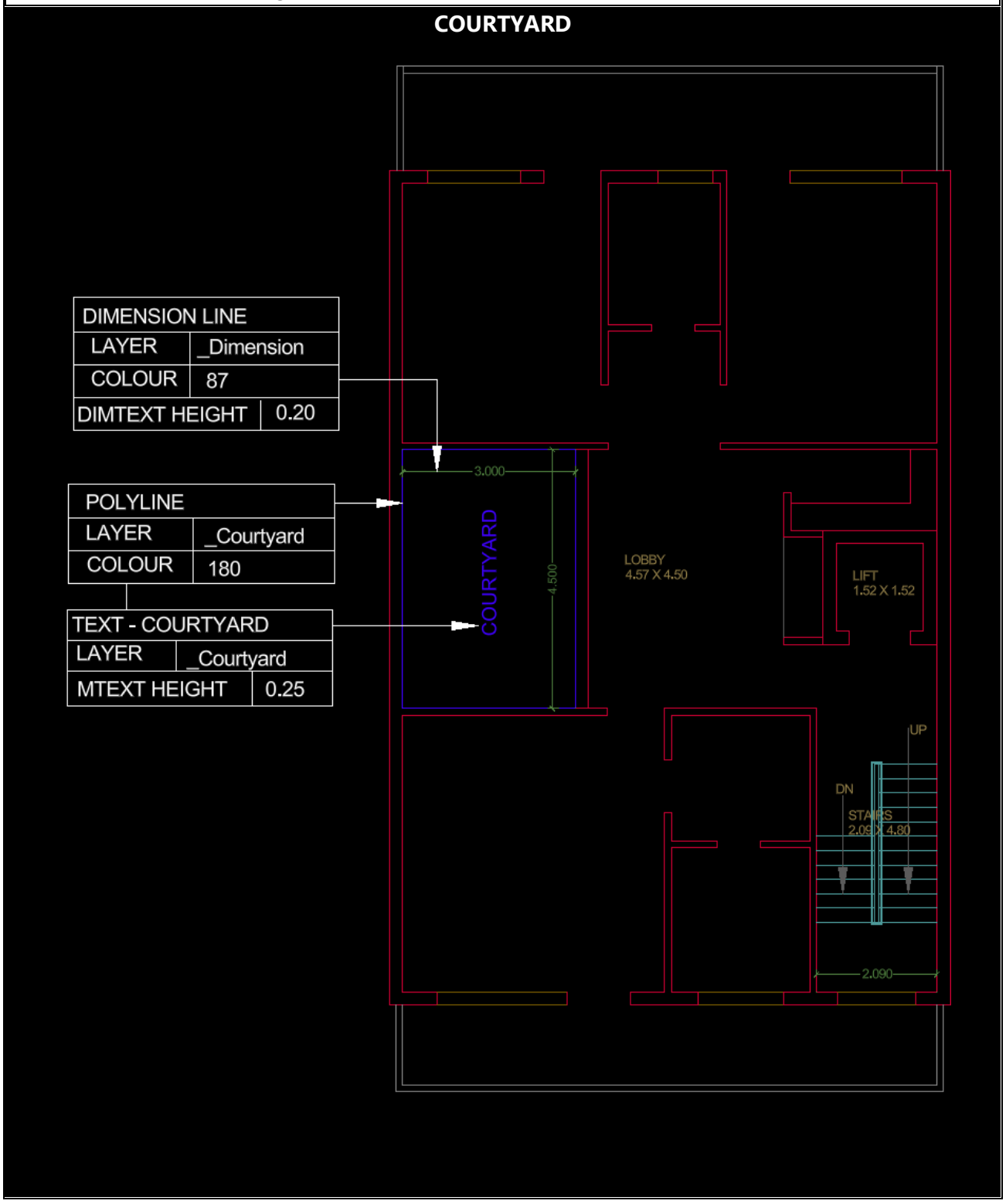
Draft the lift well in colour 171, label it "LIFTWELL" at the centre of the polygon using MText of height 0.25. Show dimensions inside the lift well on the _Dimension layer using colour number 87 and dimension text height of 0.20.

LIFT WELL



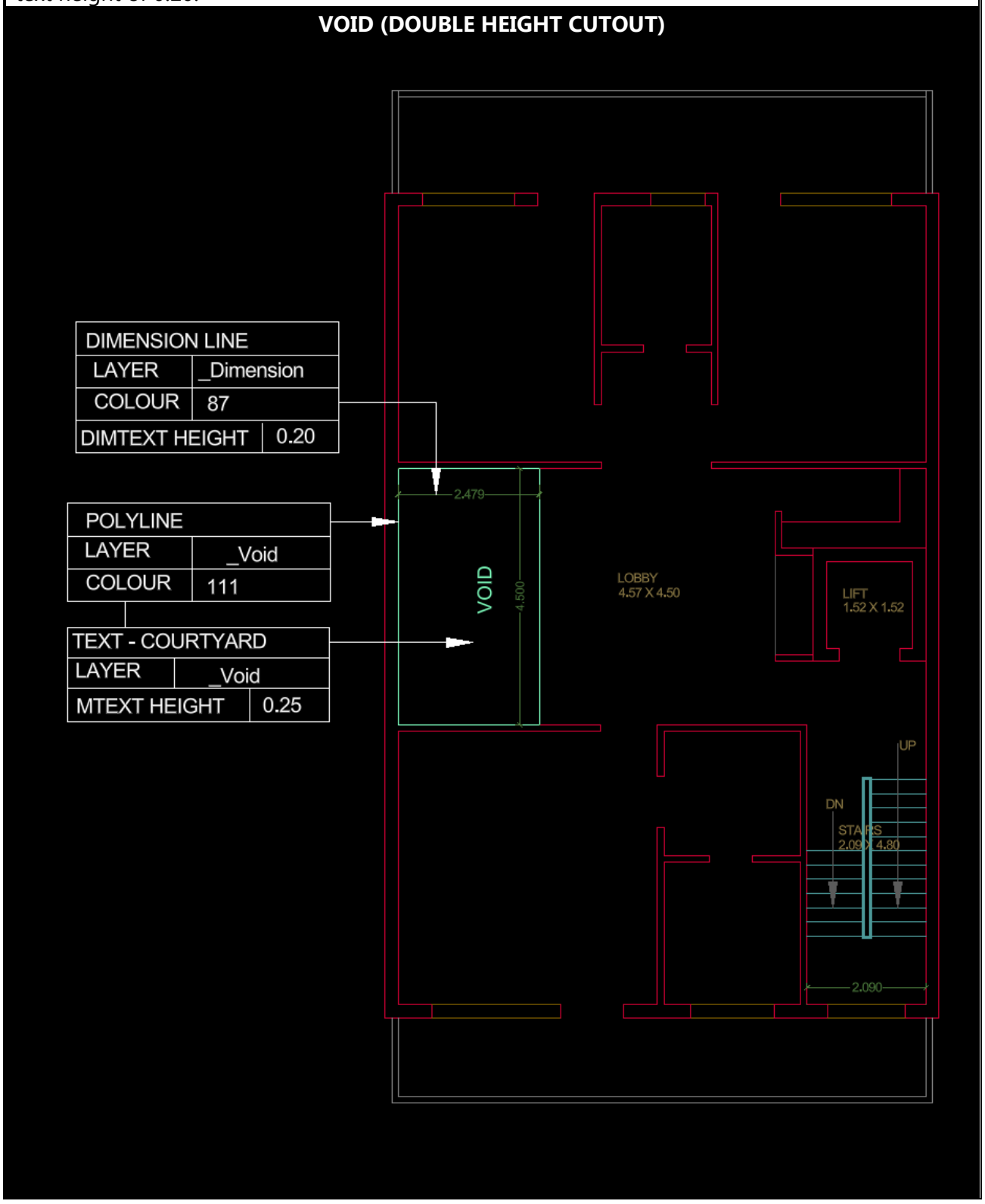
Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
20.	_Courtyard	180	0.25	default	___

Depict courtyard in colour 180, label it as "COURTYARD" at the centre of the polygon using MText of height 0.25. Show dimensions inside the courtyard on the _Dimension layer using colour number 87 and dimension text height of 0.20.



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
21.	_Void	111	0.25	default	___

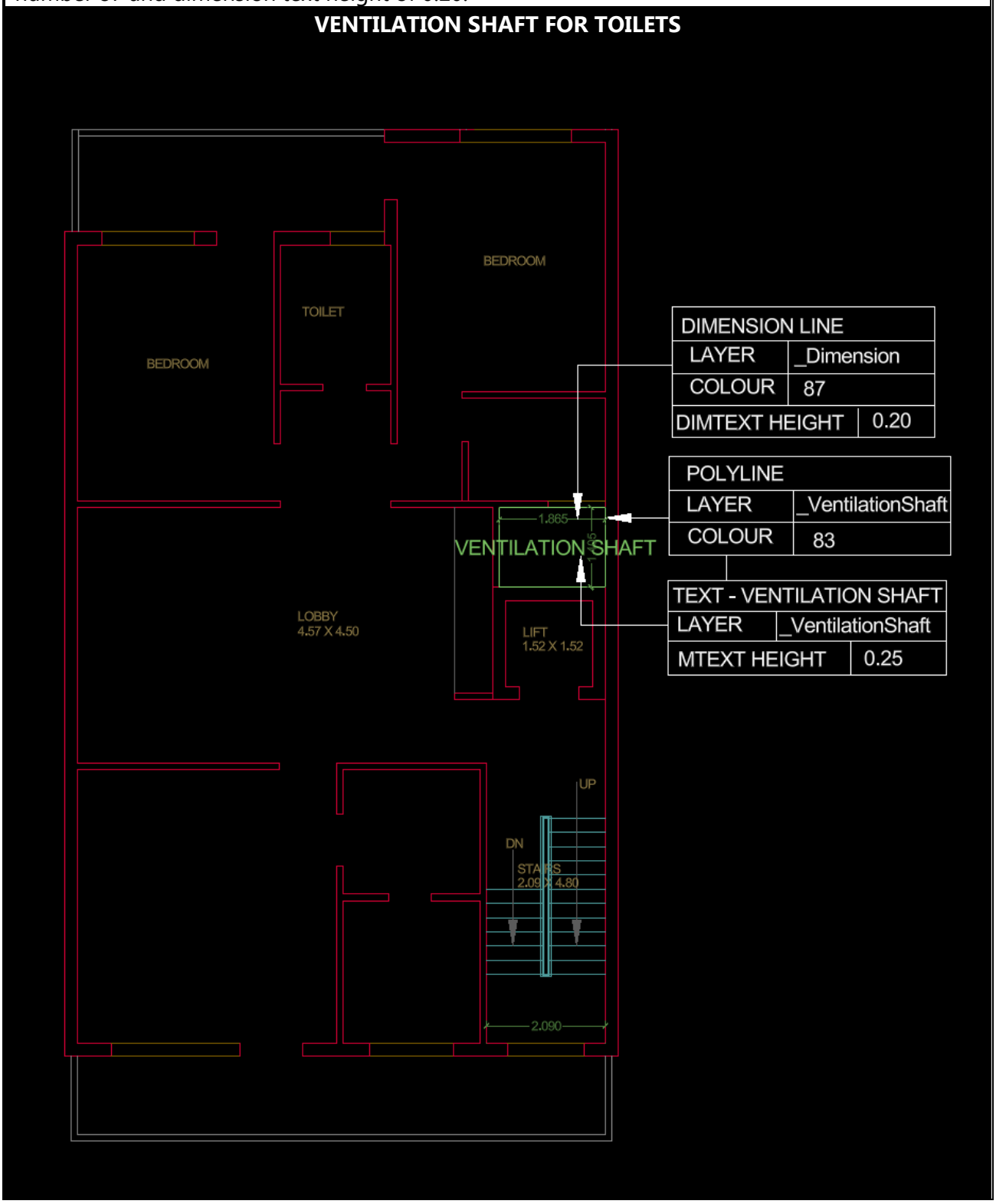
Depict void using colour number 111 and label it with MTEXT of height 0.25 in the same colour. Show dimensions inside the void on the _Dimension layer using colour number 87 and dimension text height of 0.20.



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
22.	_VentilationShaft	83	0.25	default	___

Depict the ventilation Shaft/duct using colour number 83 and label it with MText of height 0.25 in the same colour. Show dimensions inside the ventilation shaft on the _Dimension layer using colour number 87 and dimension text height of 0.20.

VENTILATION SHAFT FOR TOILETS



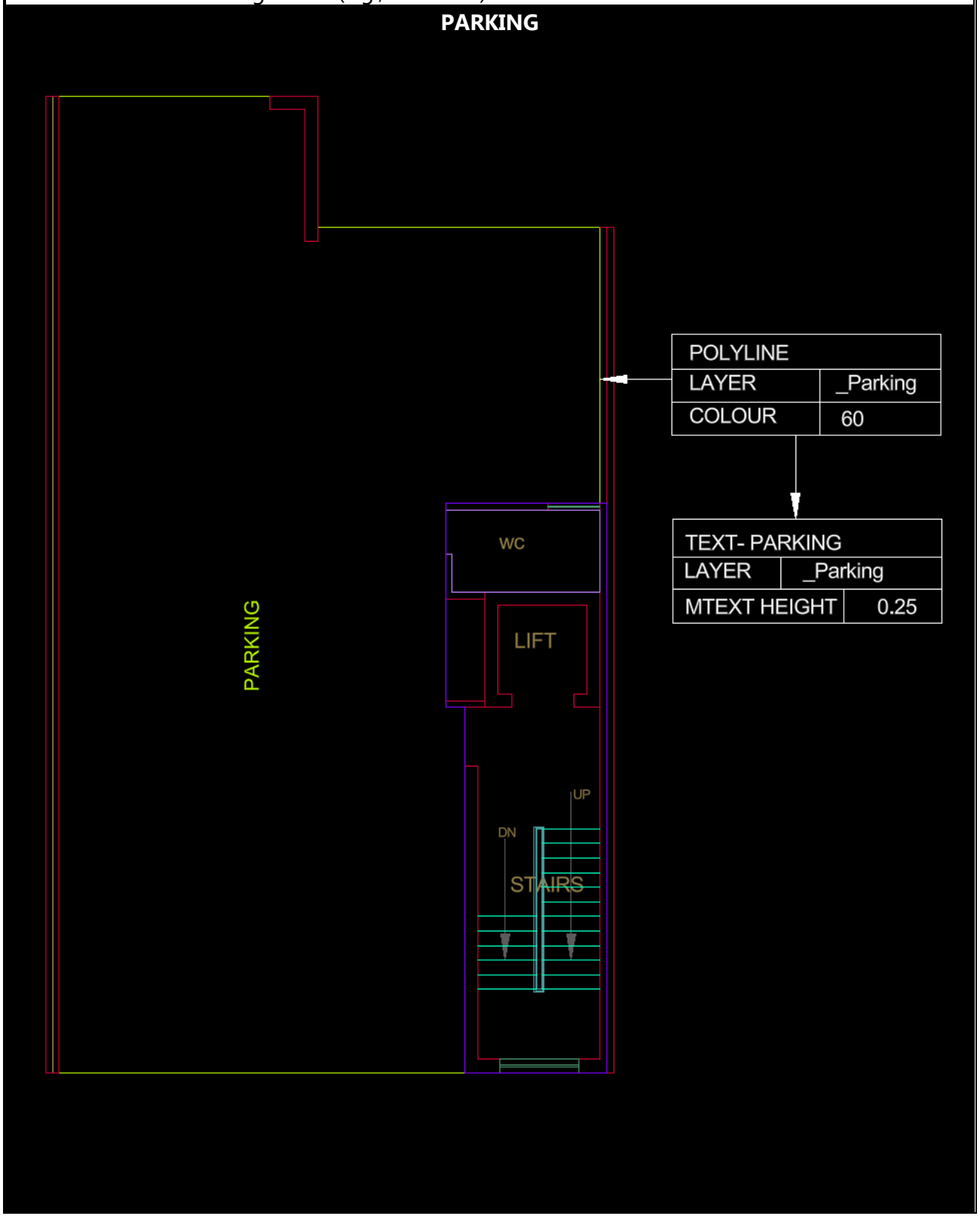
Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
23.	_CoverageProposed	215	____	default	____

The _CoverageProposed layer shall be applied to all proposed floors of the building and part of floors, using colour 215. This layer shall cover all proposed building components that fall within the coverage area, as defined under the Haryana Building Code, 2017, for each respective floor.

PROPOSED COVERAGE AREA

Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
	_Parking	60	0.25	default	___

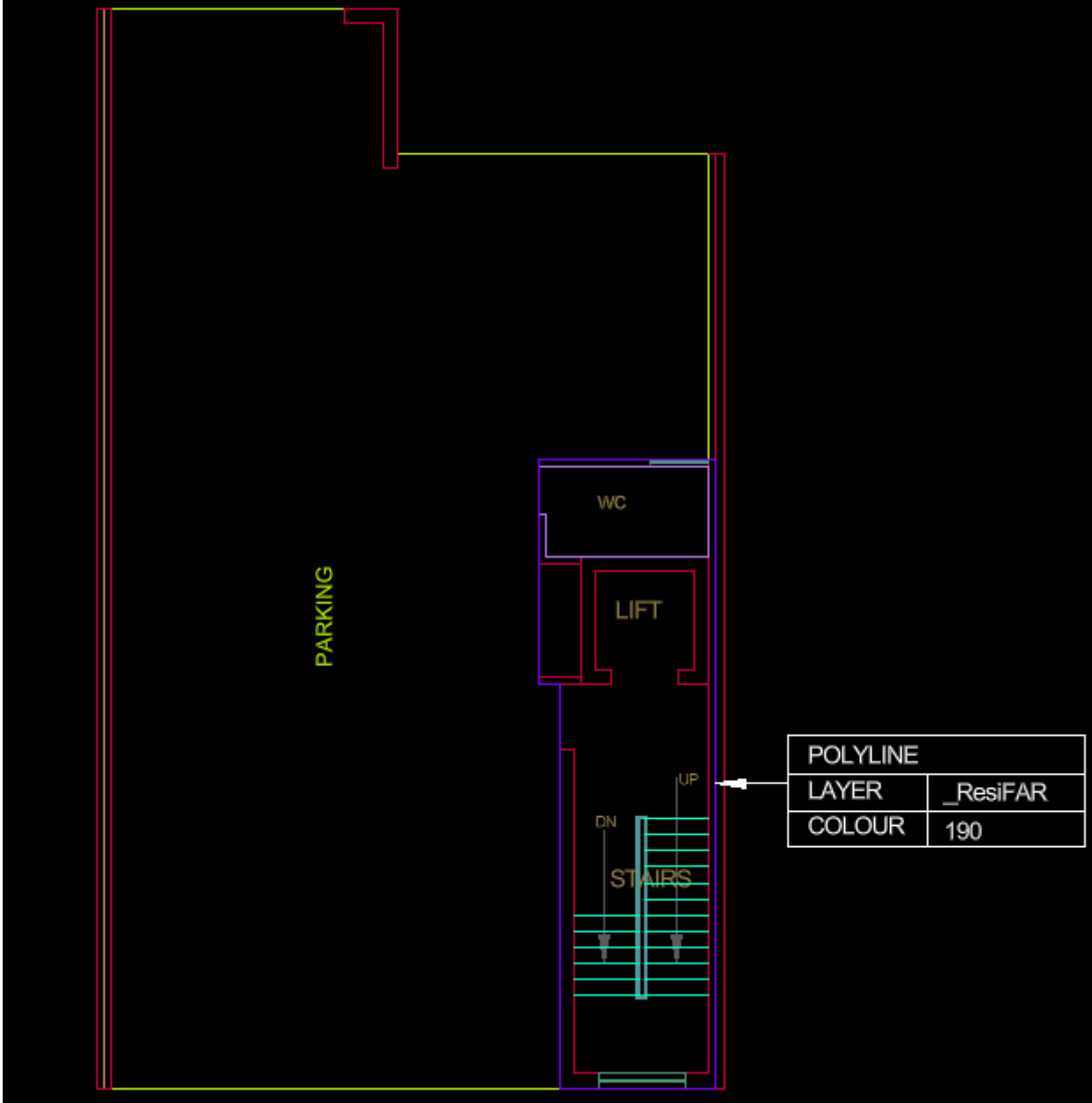
Mark the designated parking area in the floor plan using colour number 60. Indicate it in the same colour with MText of height 0.25 (e.g., PARKING).



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
24.	_ResiFAR	190	____	Default	____

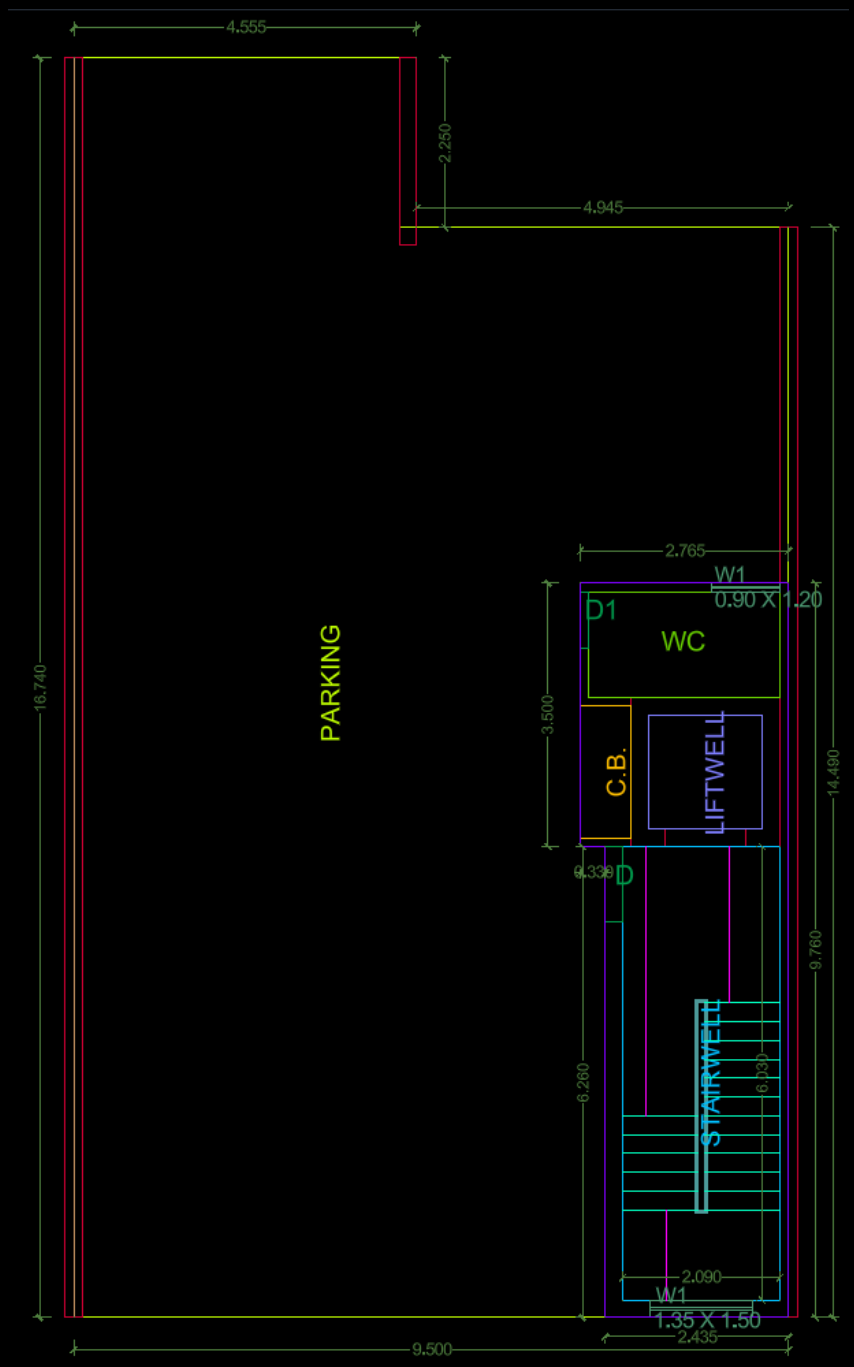
Add the _ResiFAR to all floors of the building, including the parking and terrace floors, using colour number 190. The _ResiFAR layer shall include all building components that fall under the FAR area, as per HBC 2017, on each floor.

Floor Area Ratio (FAR)



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
	_Dimension	87	____	default	0.20
Dimensions of stilt plan must be mentioned in _Dimensions layer using colour number 87 with a dimension text height of 0.20.					

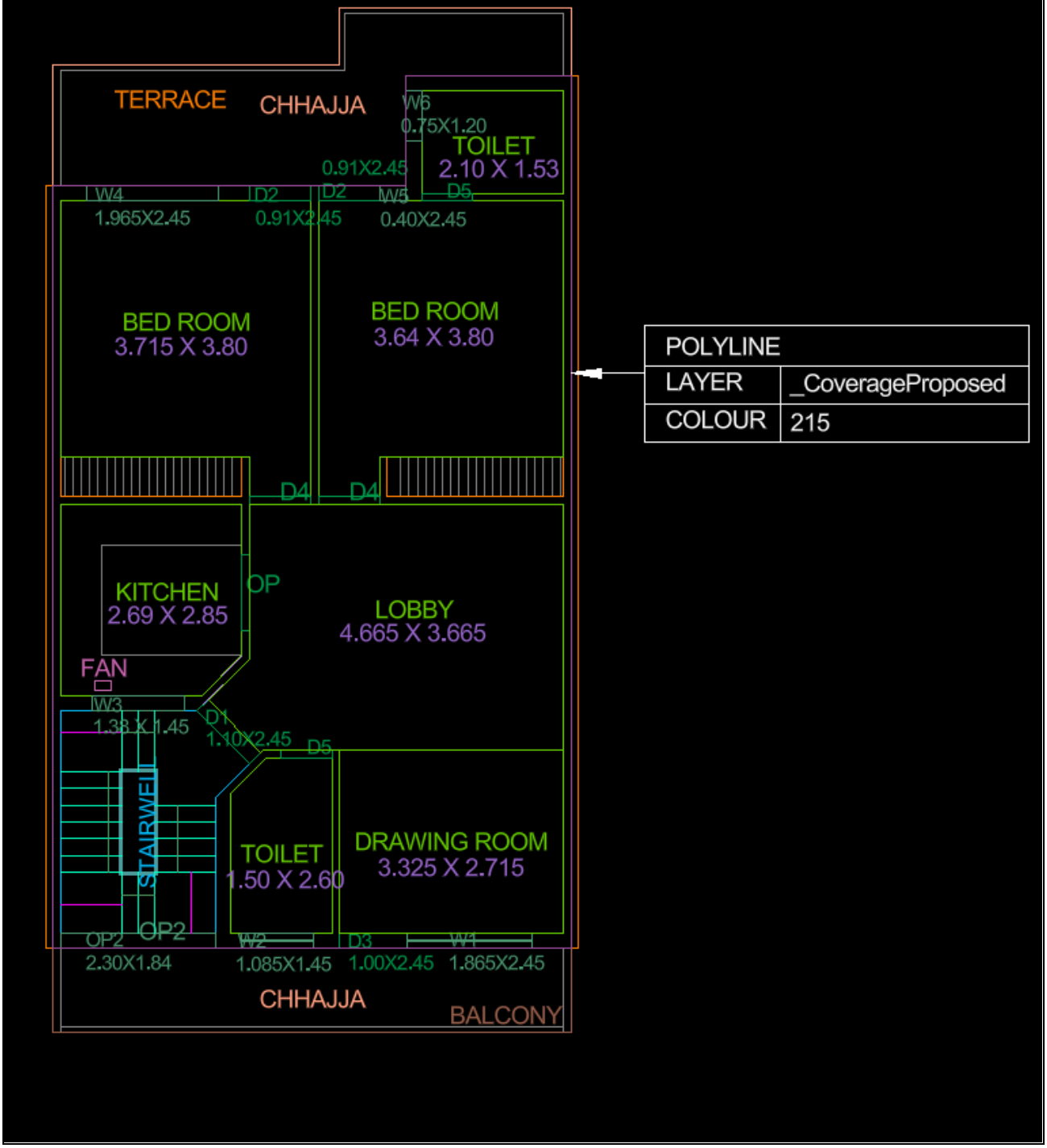
DIMENSIONS IN STILT PLAN



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
	_CoverageProposed	215	____	default	____

The _CoverageProposed layer shall be applied to all proposed floors of the building and part of floors, using colour 215. This layer shall cover all proposed building components that fall within the coverage area, as defined under the Haryana Building Code, 2017, for each respective floor.

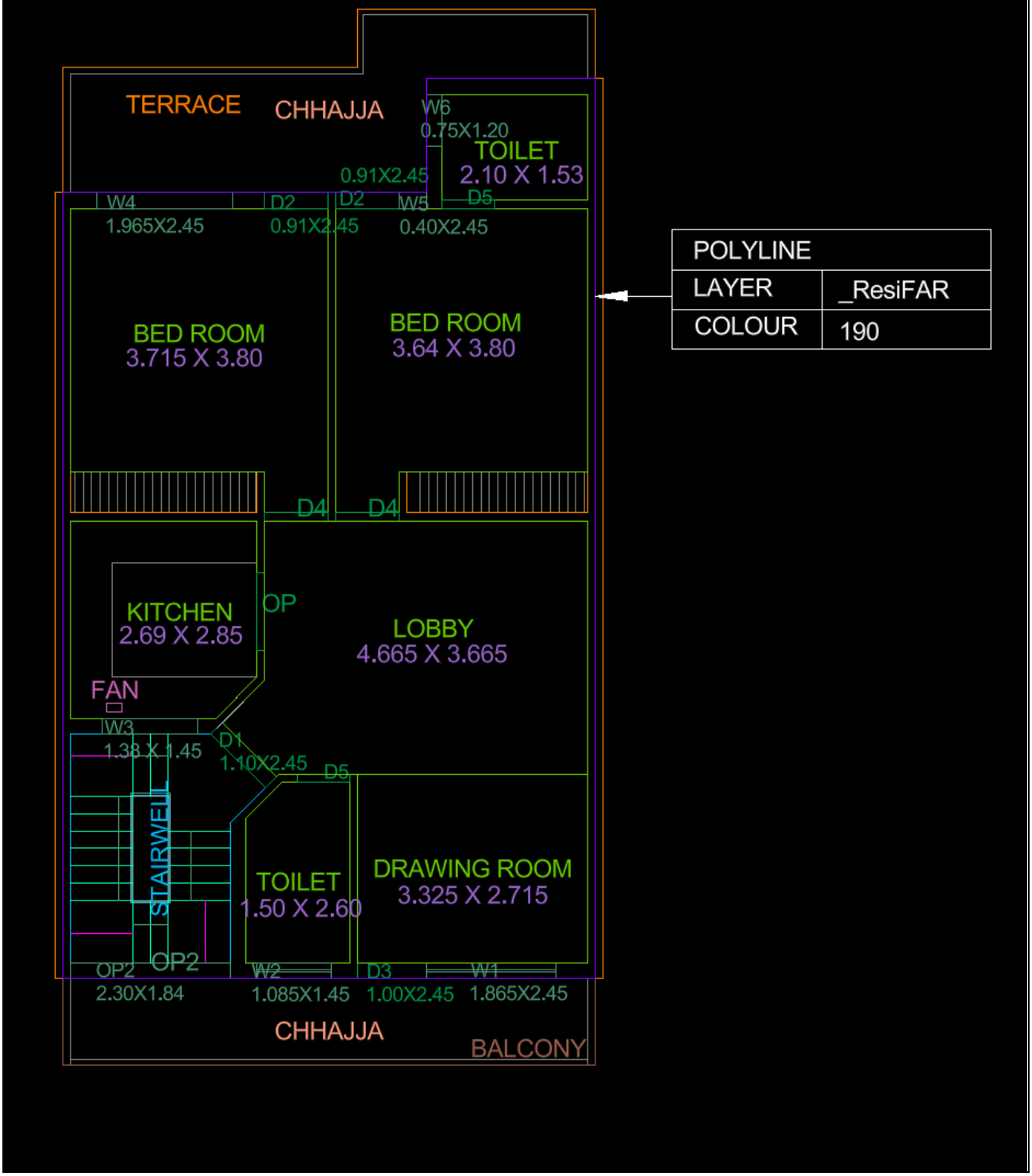
FLOOR COVERAGE (FRESH BUILNDING PLANS)



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
	_ResiFAR	190	___	Default	___

Add the _ResiFAR to all floors of the building, including the parking and terrace floors, using colour number 190. The _ResiFAR layer shall include all building components that fall under the FAR area, as per HBC 2017, on each floor.

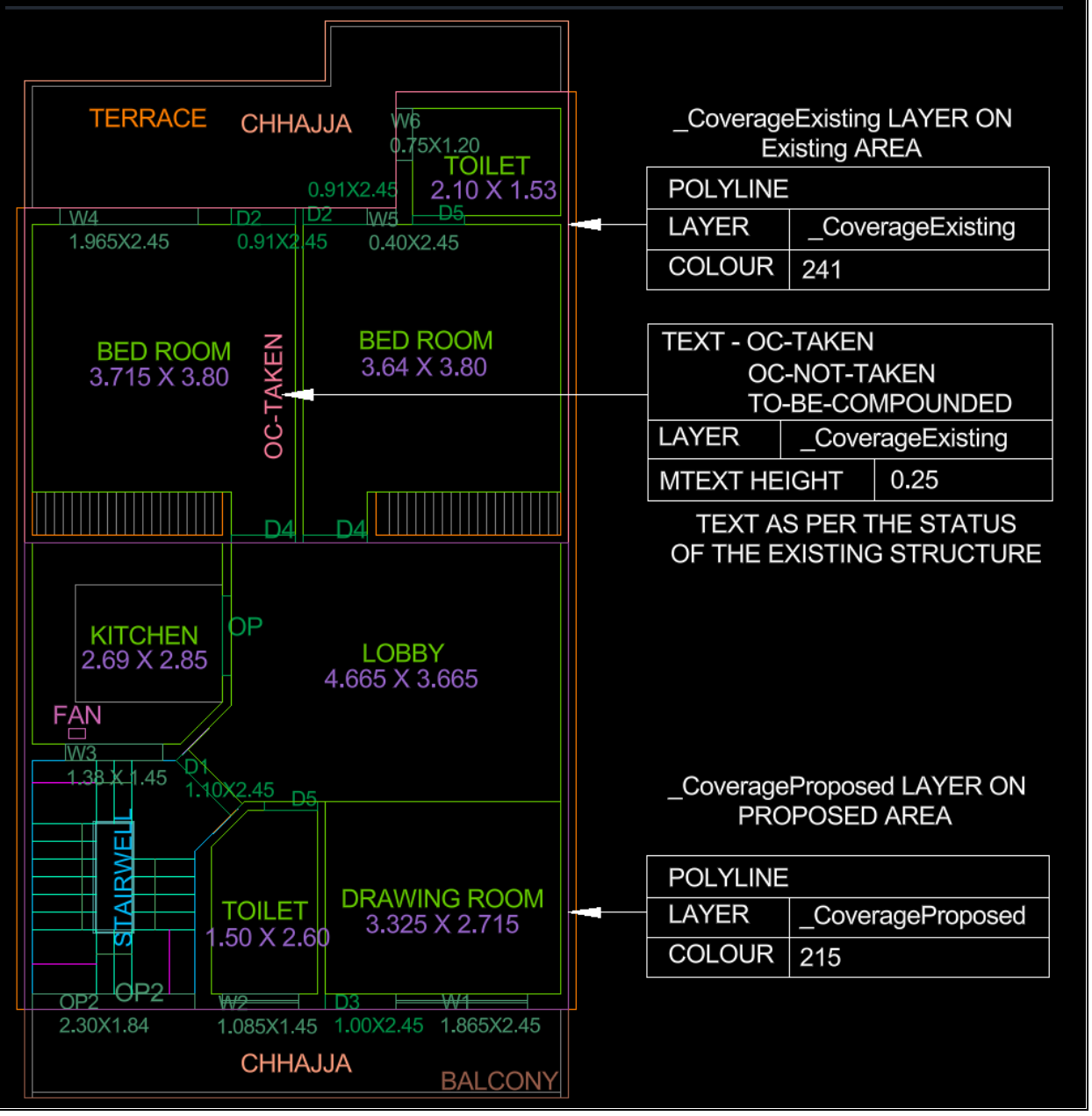
FLOOR AREA RATIO (FRESH BUILDING PLAN)



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
25.	_CoverageExisting & _CoverageProposed	241 & 215	___	default	___

1. For revised building plans, _CoverageExisting layer shall be added to all existing floors of the building and part of floors, using colour 241.
2. A text (OC-TAKEN or OC-NOT-TAKEN or TO-BE-COMPUNDED) must be added for existing coverage area in _CoverageExisting, using Mtext with a height of 0.25.
3. _CoverageProposed layer shall be added to all proposed floors of the building and part of floors, using colour 215.
4. These layers shall have all proposed and existing building components falling within the coverage area, as defined under the Haryana Building Code, 2017, on each respective floor.

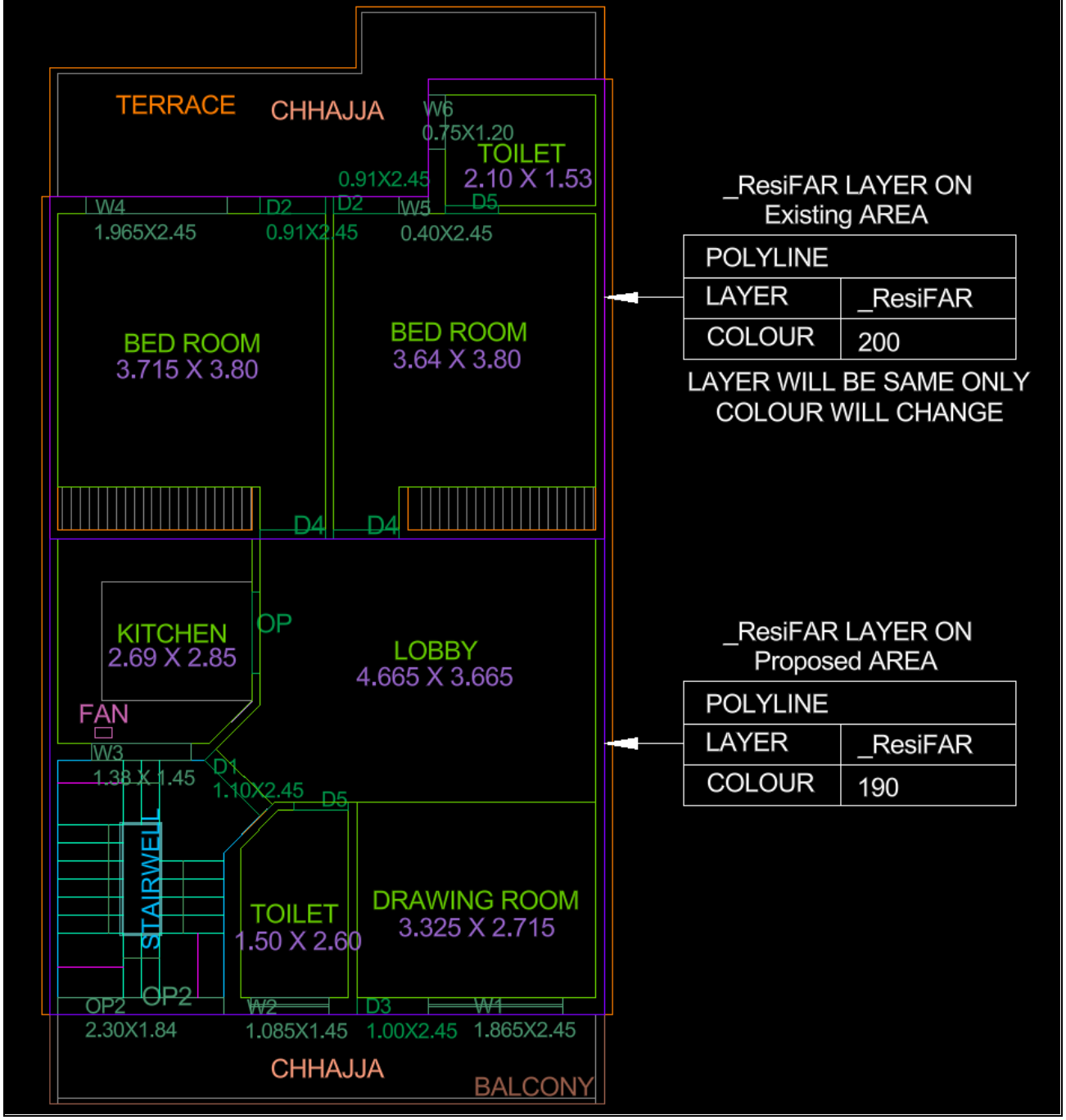
EXISTING FLOOR COVERAGE and PROPOSED FLOOR COVERAGE (REVISED BUILDING PLAN)



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
26.	_ResiFAR for Existing Area & _ResiFAR for Existing Area	200 & 190	____	Default	____

1. For revised building plans, _ResiFAR layer shall be added to all existing FAR areas of the building and part of floors, using colour 200.
2. _ResiFAR layer shall be added to all proposed FAR areas of the building and part of floors, using colour 190.
3. These layers shall have all proposed and existing building components falling within the FAR area, as defined under the Haryana Building Code, 2017, on each respective floor.

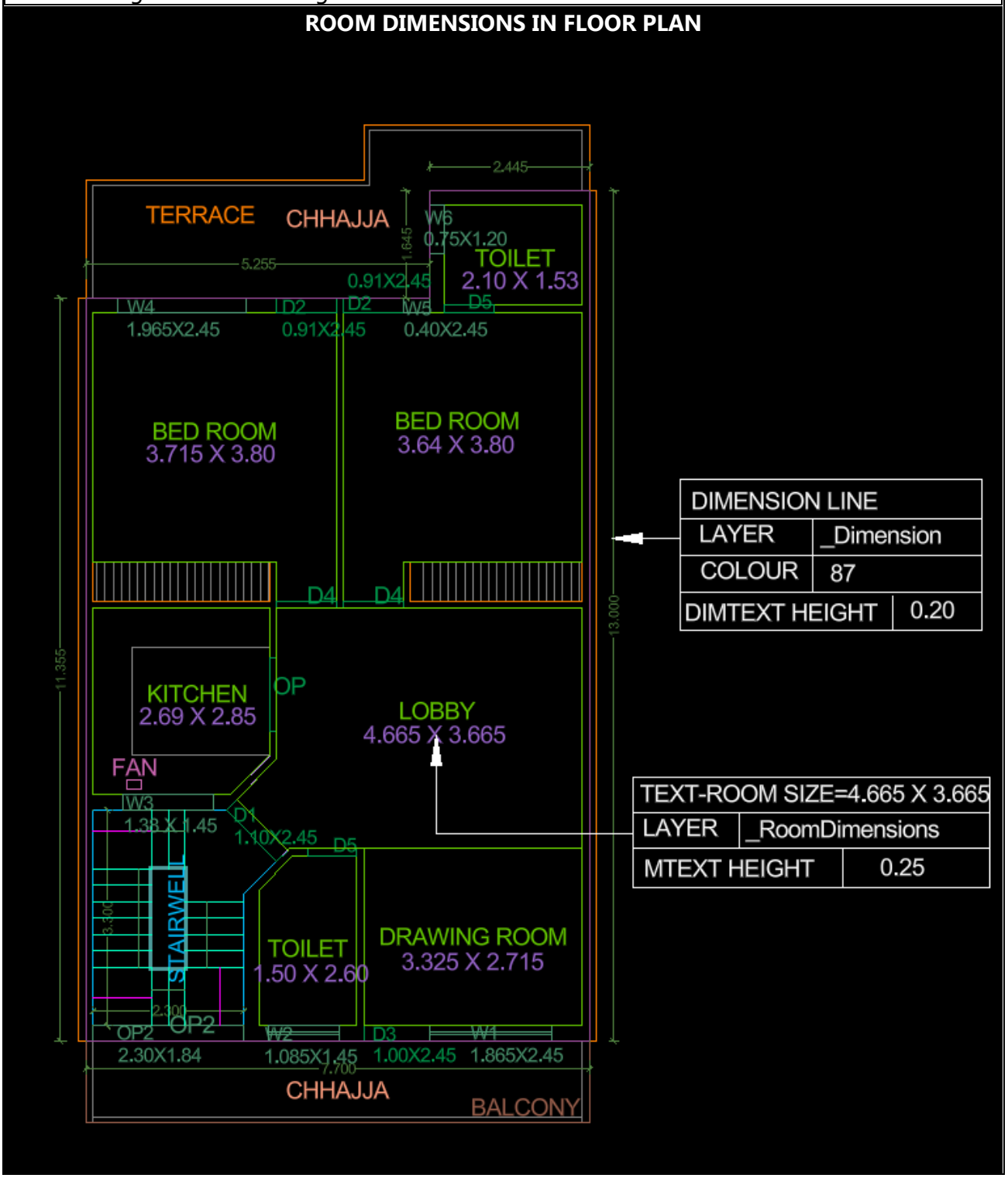
EXISTING and PROPOSED FLOOR AREA RATIO (REVISSED BUILDING PLAN)



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
	_RoomDimensions	193	0.25	default	___

1. Dimensions must be mentioned in _Dimensions layer using colour number 87 and a dimension text height of 0.20.
2. Write the room dimensions of all rooms in _RoomDimensions using colour number 193 using MText with a height of 0.25.

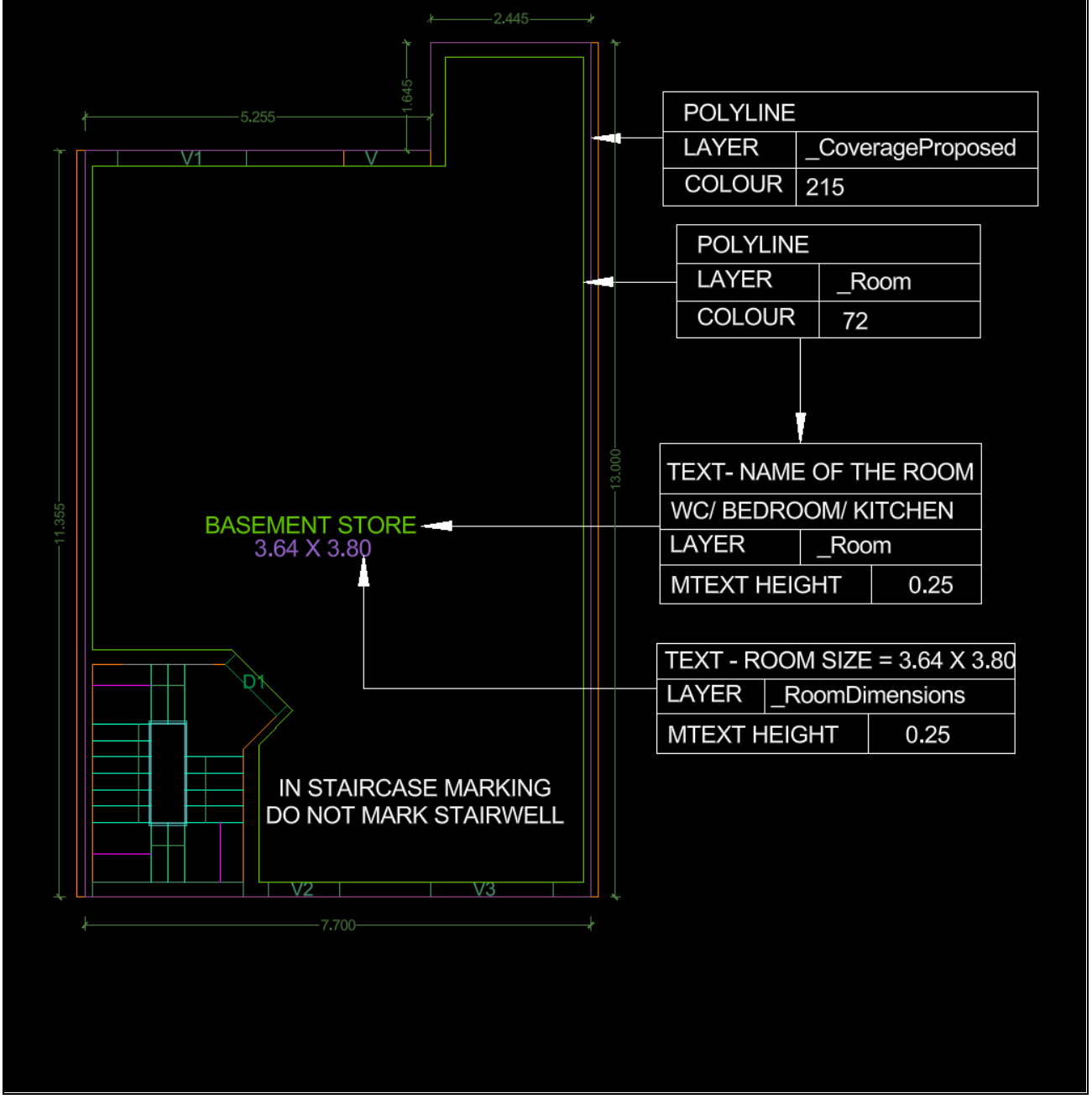
ROOM DIMENSIONS IN FLOOR PLAN



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
	_RoomDimensions	193	0.25	default	___

1. In the basement floor plan, all components shall be drafted in the _Room layer using colour 72, and room names shall be labeled in the same colour with MText of height 0.25 within the same layer.
2. Room dimensions for all rooms shall be provided in the _RoomDimensions layer using colour 193, with MText of height 0.25.
3. Note that in staircase marking, stair well shall not be marked in the basement floor.

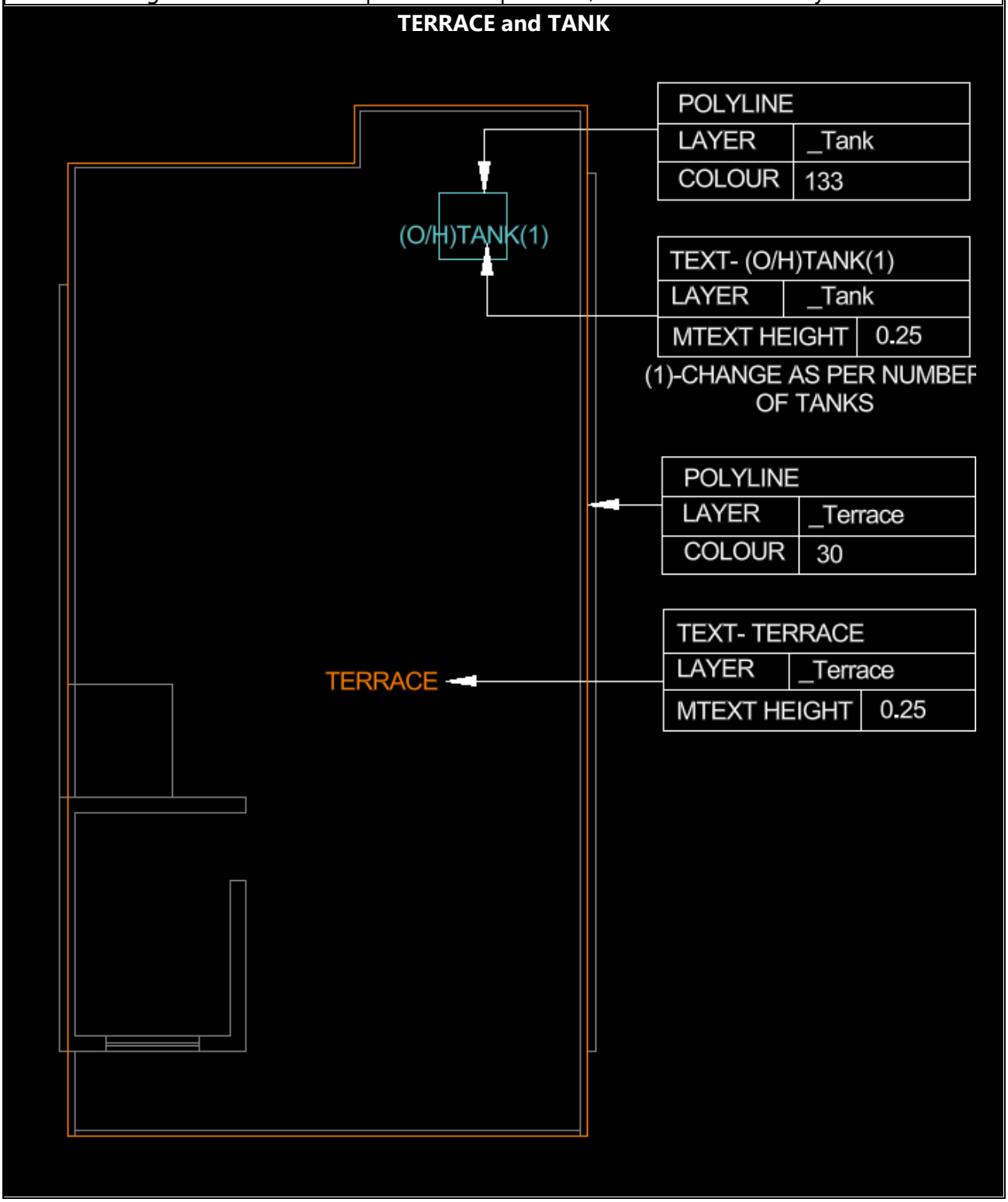
BASEMENT PLAN WITH DIMENSIONS



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
27.	_Terrace & _Tank	30 & 133	0.25	default	___

1. The terrace shall be marked in the _Terrace layer using colour 30 and labeled with MText of height 0.25.
2. Water tank(s) shall be marked in the _Tank layer using colour 133 and labeled with MText of height 0.25. In case multiple tanks are provided, each shall be distinctly numbered.

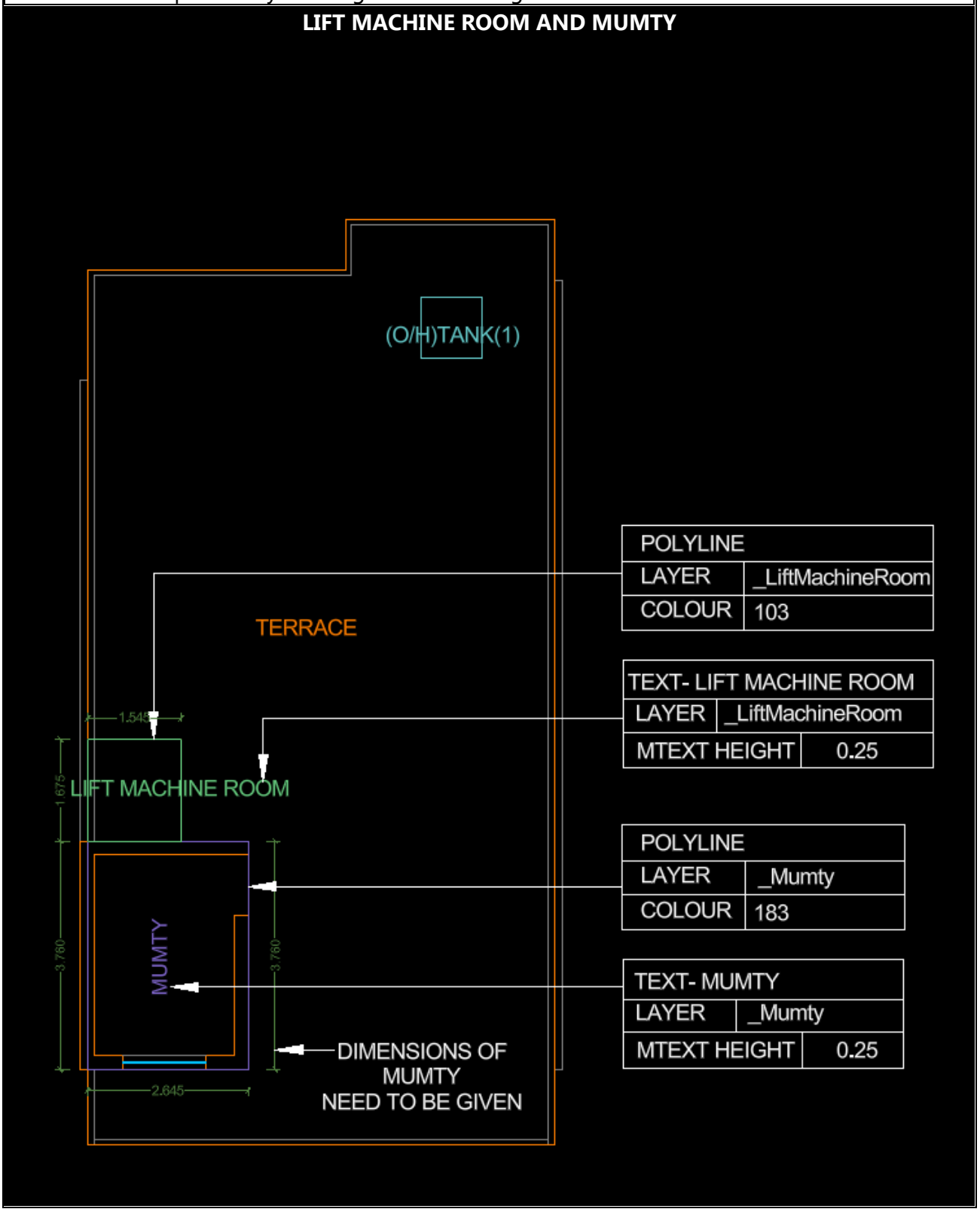
TERRACE and TANK



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
28.	_LiftMachineRoom & _Mumty	103 &183	0.25	default	___

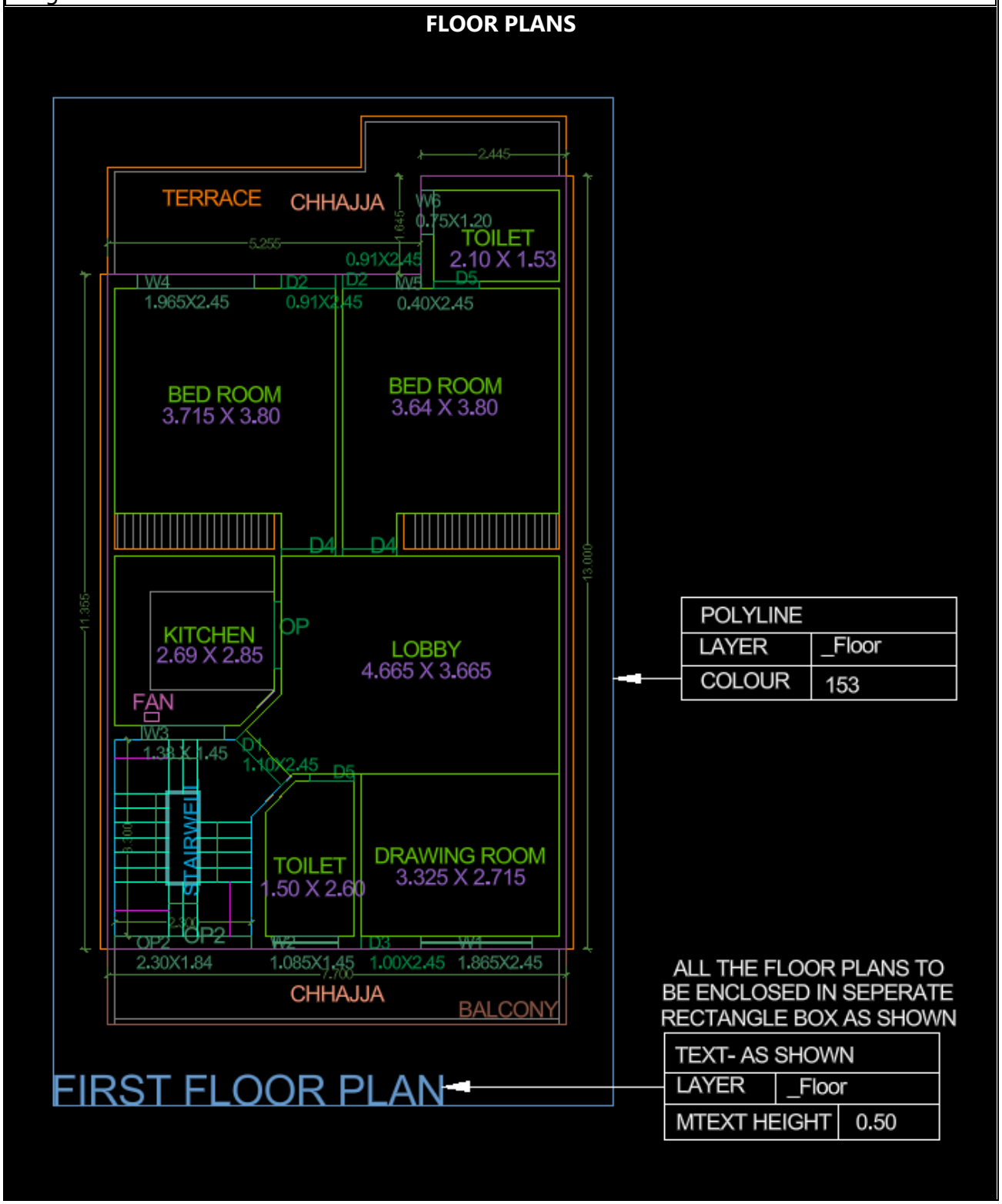
Depict lift machine room using colour number 103 and mumty using colour number 183. Label them in their respective layers using Mtext with height of 0.25.

LIFT MACHINE ROOM AND MUMTY



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
29.	_Floor	153	0.50	default	___

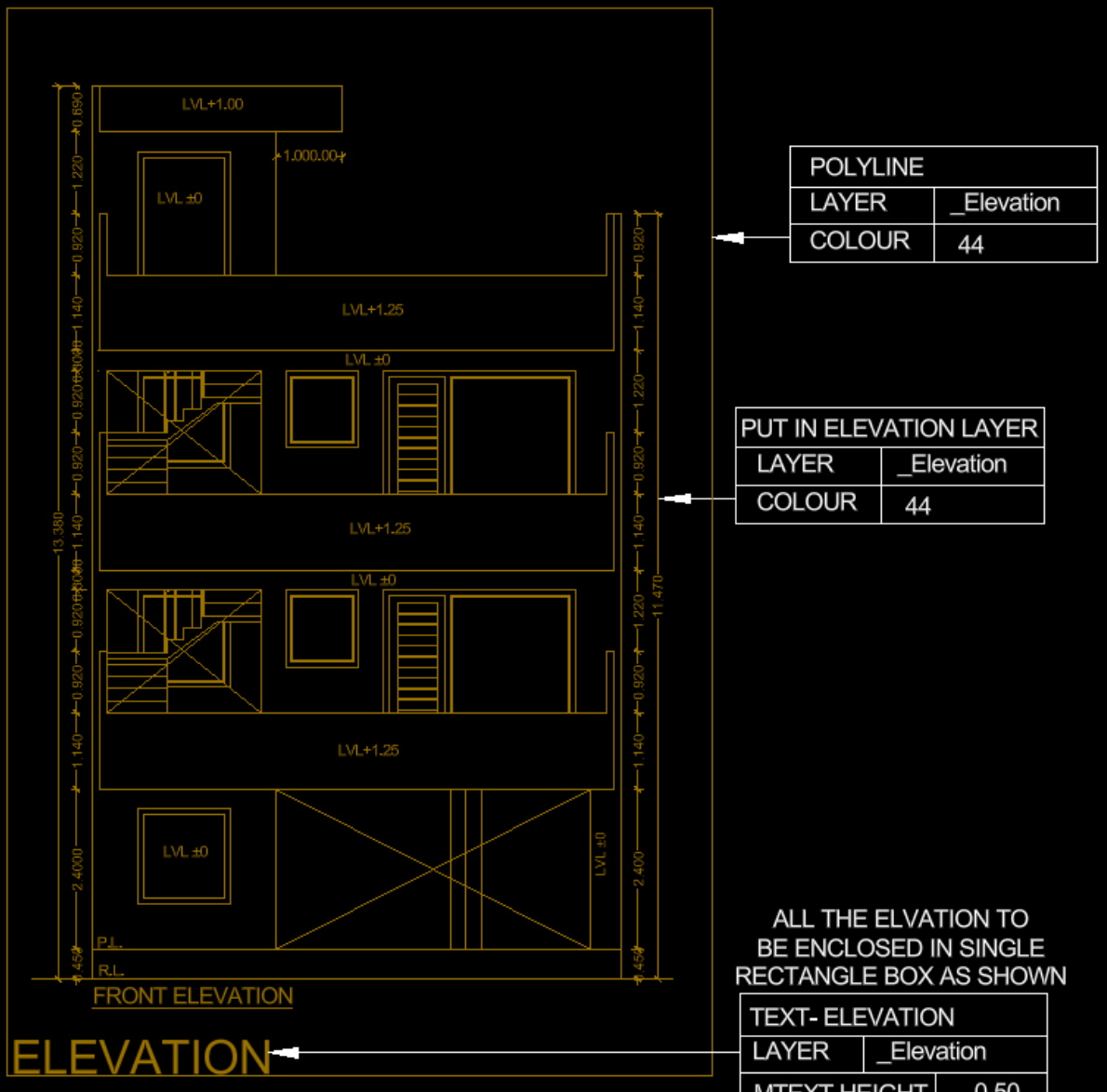
Draft each floor plan within the _Floor layer using colour number 153. Indicate the floor number (e.g., FIRST FLOOR PLAN) at the bottom left corner of the enclosed rectangle using Mtext with height of 0.50.



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
30.	_Elevation	44	____	default	____

Prepare front, side and rear elevations as per the floor plans, using colour number 44. Label "ELEVATION" at the bottom left corner of the enclosed rectangle using Mtext with height of 0.50 in the same layer.

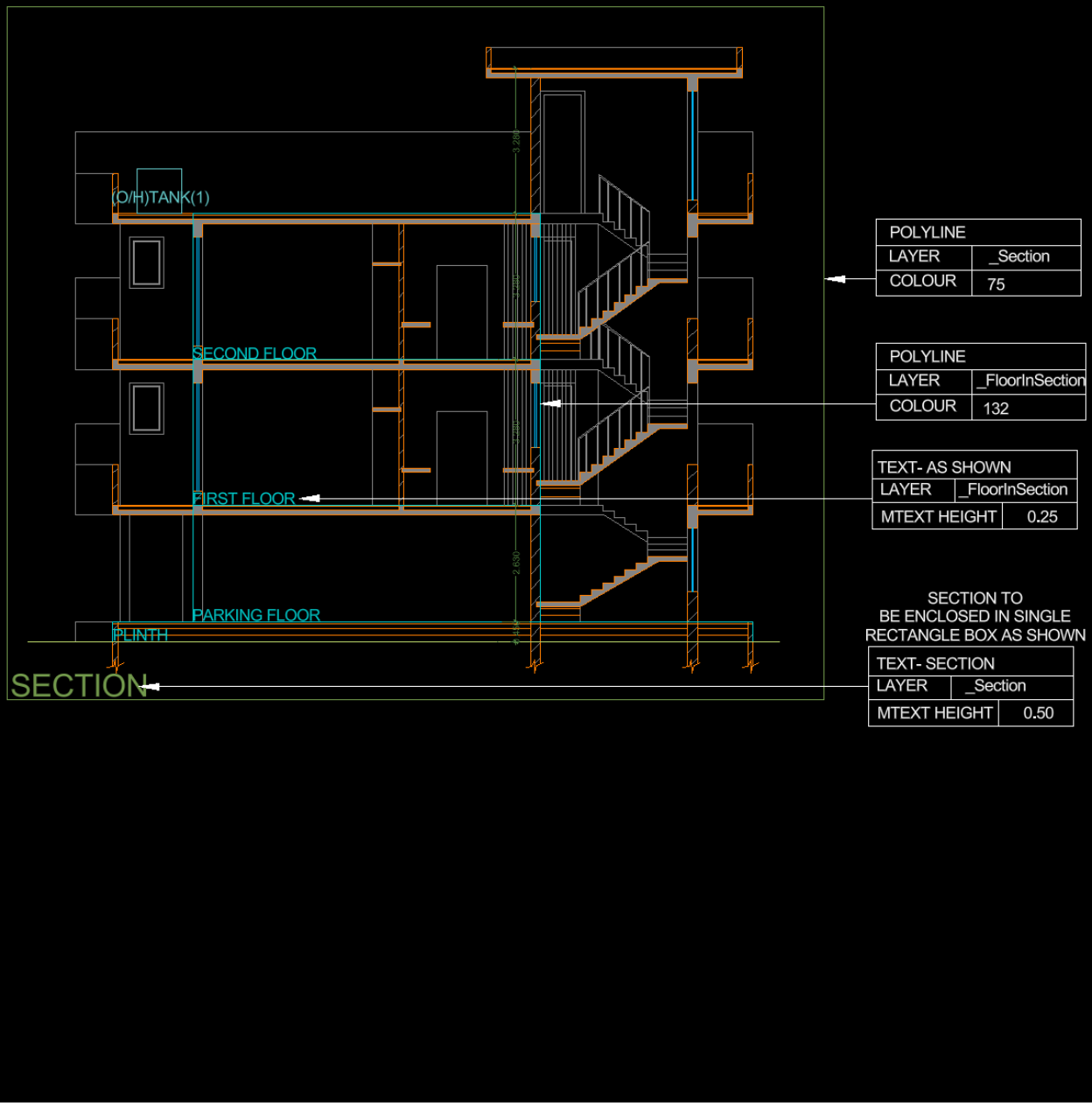
ELEVATION



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
31.	_FloorInSection	132	0.25	default	___

1. In the Section drawing, provide a floor-wise demarcation for all floors, including the plinth, using colour number 132.
2. Indicate the floor number (e.g., FIRST FLOOR) at the bottom-left corner of the polygon with MText of height 0.25 in _FloorInSection layer.
3. Section must be placed in the enclosed rectangle in _Section layer and label it as "SECTION" using Mtext with height of 0.50.

FLOOR IN SECTION

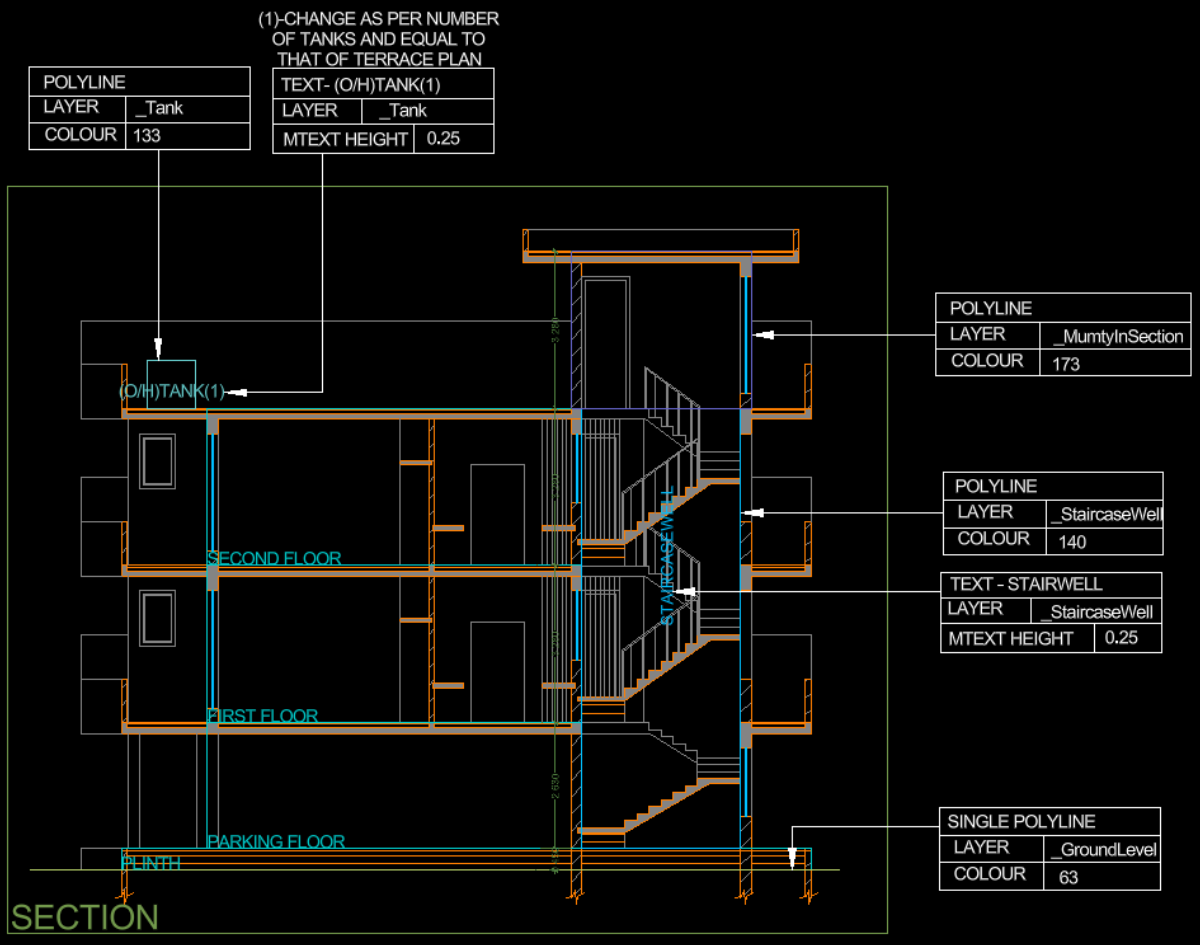


Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
32.	_GroundLevel &_MumtyInSection	63 &173	___	default	___

In the Section drawing:

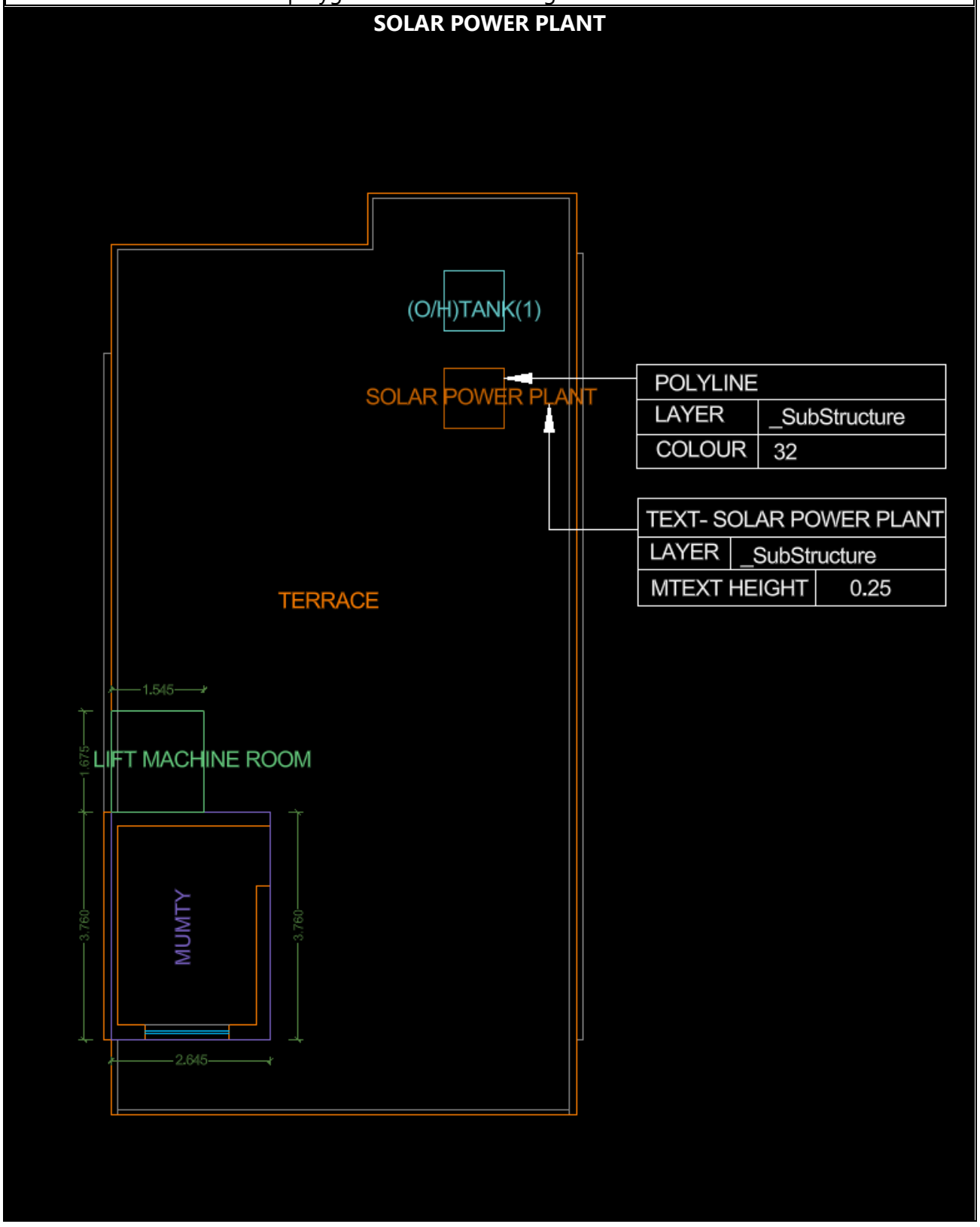
1. Draft the ground level polyline, separating the sub-structure and super-structure, in the _Groundlevel layer using colour number 63.
2. Draft the mumty on the terrace floor, as per the plan, using colour number 173.
3. Add tank and staircase well in section in their respective layers using Mtext with height of 0.25.
4. Each tank shall be labelled with MText indicating its number. Where multiple tanks are provided, the total number of tanks shall be specified in the MText (e.g., (O/H) TANK (3)).

GROUND LEVEL and MUMTY IN SECTION



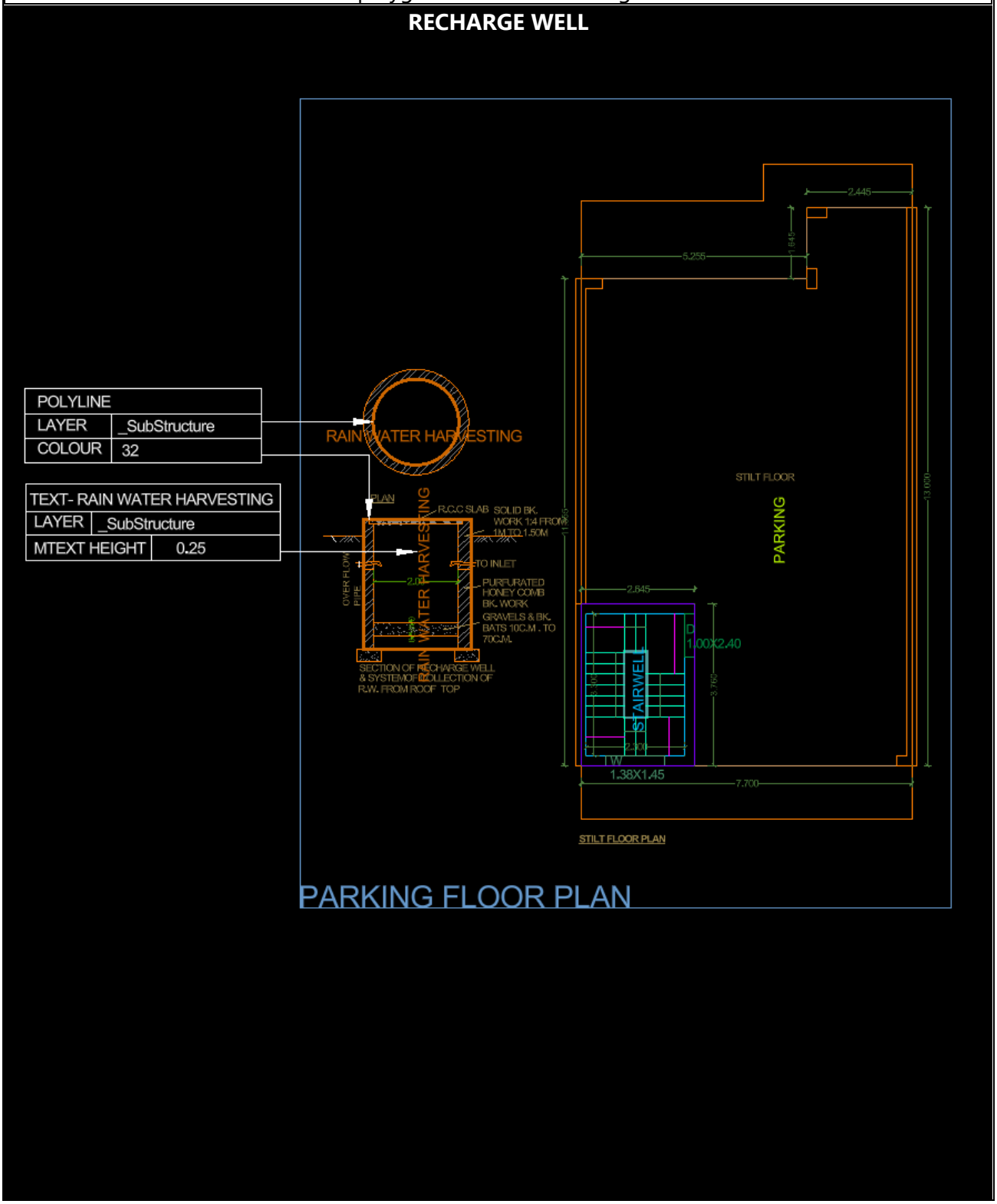
Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
33.	_SubStructure	32	0.25	default	___

Draft the solar power plant using colour number 32. Label the substructure as "SOLAR POWER PLANT" at the centre of the polygon with MText of height 0.25.



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
	_SubStructure	32	0.25	default	____
Depict recharge well using colour number 32. Label the substructure as "RAIN WATER HARVESTING" at the centre of the polygon with MText of height 0.25.					

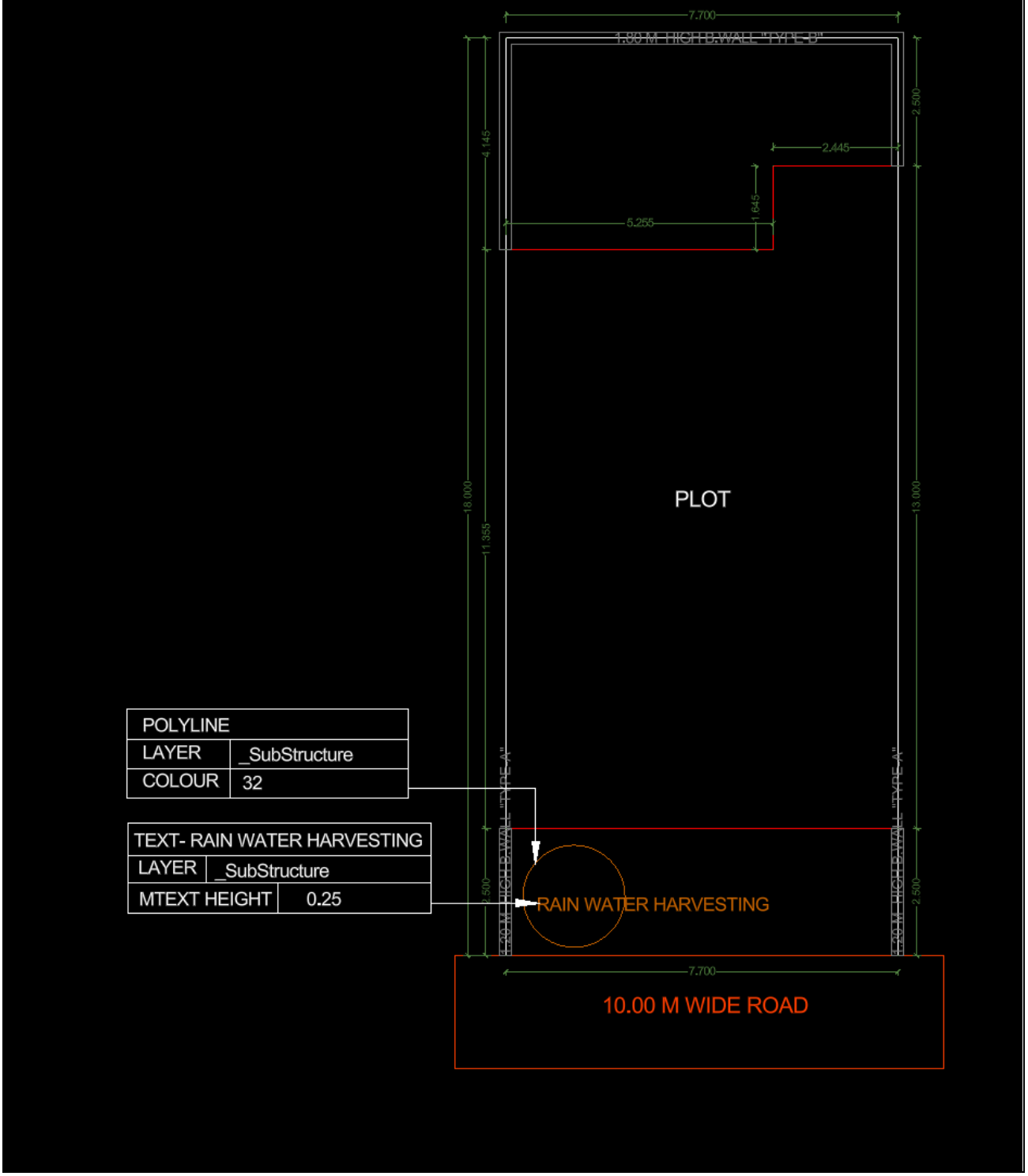
RECHARGE WELL



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
	_SubStructure	32	0.25	default	____

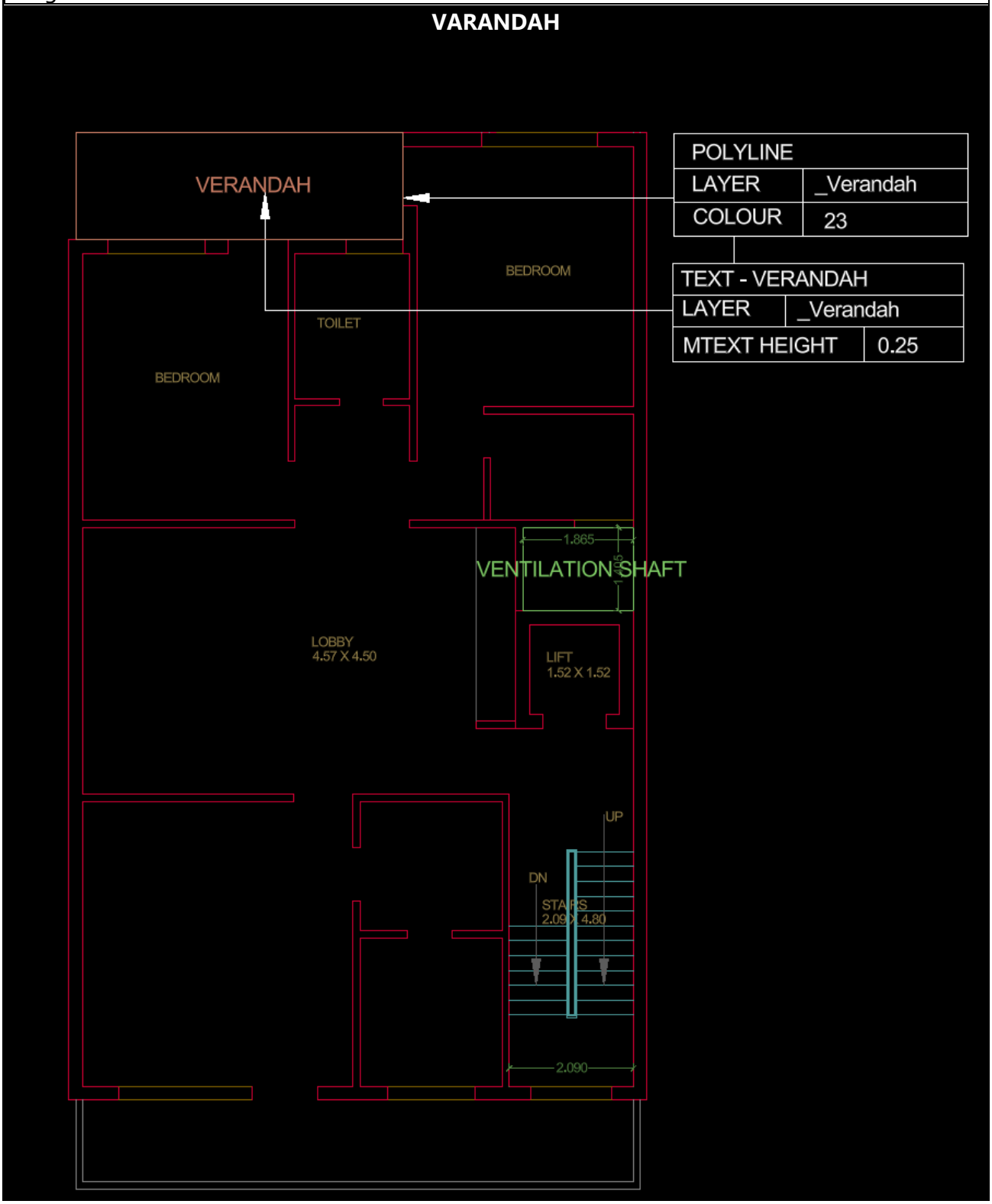
Depict the substructure in the site plan in a layer using colour number 32. Label the substructure as “RAIN WATER HARVESTING” at the centre of the polygon with MText of height 0.25.

RECHARGE WELL IN SITE PLAN



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
34.	_Verandah	23	0.25	default	___

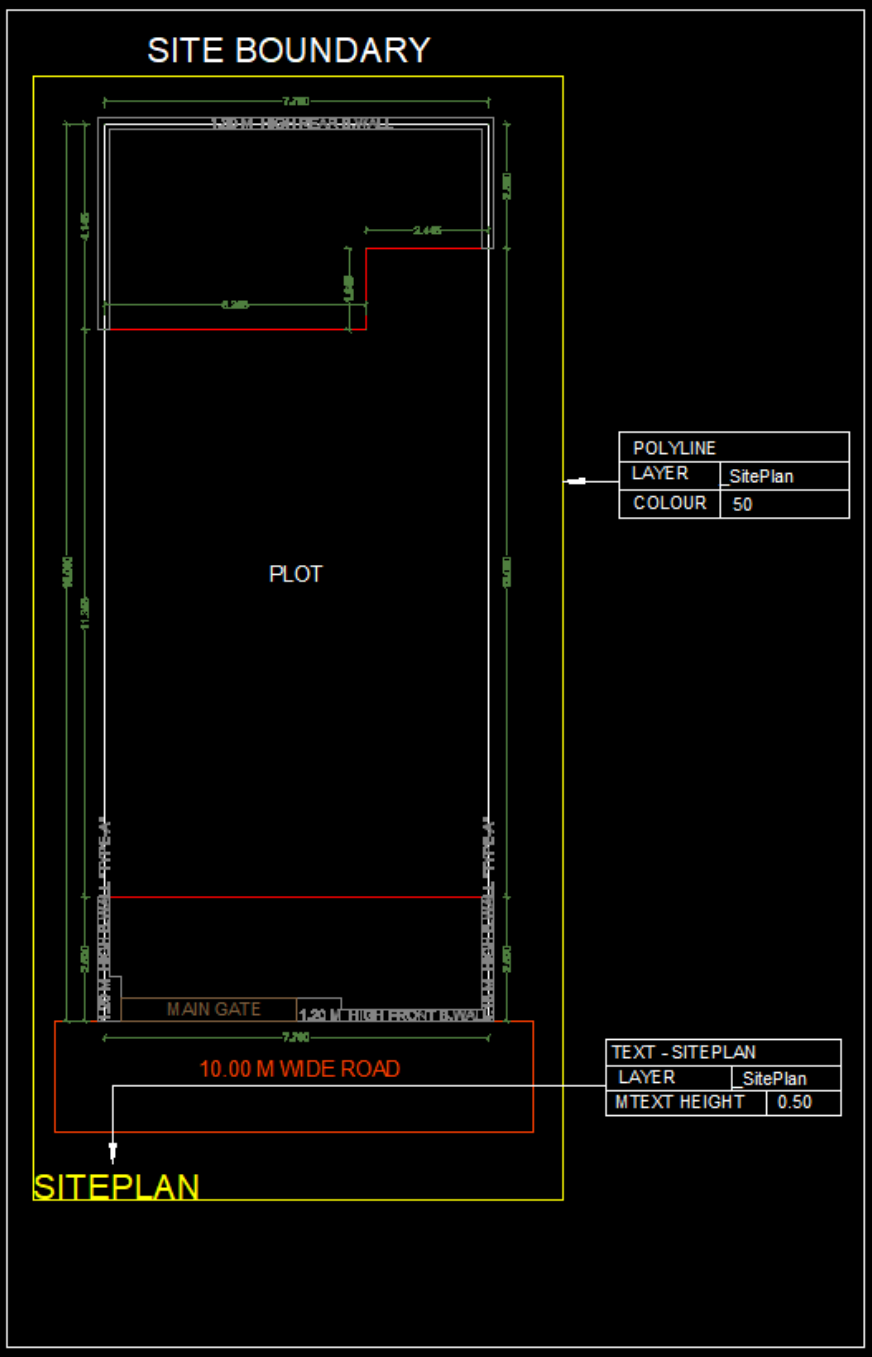
Depict the varandha using colour number 23 and label it in the same layer using Mtext with a height of 0.25.



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
35.	_SitePlan	50	0.50	default	-

The site plan should be kept within a bounding rectangle, which shall be created in the _SitePlan layer using colour number 50, with labelling at the bottom-left corner of the rectangle using Mtext of height 0.50.

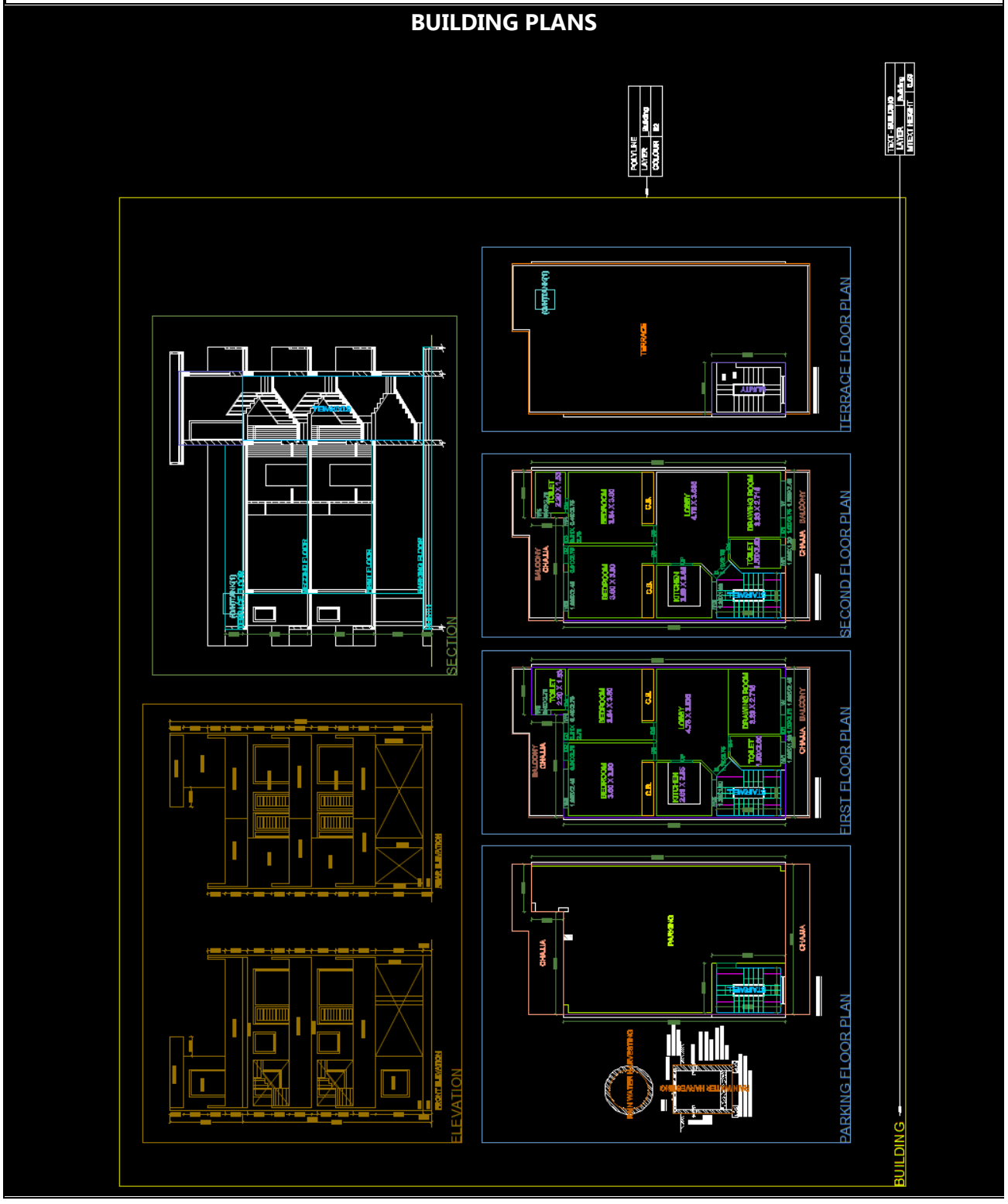
SITE PLAN



Sr. No	Layer Name	Colour Number	Mtext Height	Layer Thickness	Dim Text Height
36.	_Building	52	0.50	default	-

All floor plans, elevations and sections should be kept within a bounding rectangle, which shall be created in the _Building layer using colour number 52, with labelling at the bottom-left corner of the rectangle using Mtext of height 0.50.

BUILDING PLANS



6. Contact

For any queries or issues encountered in OBPAS, users are requested to email obpashsvp@gmail.com with complete details of the error and related information.