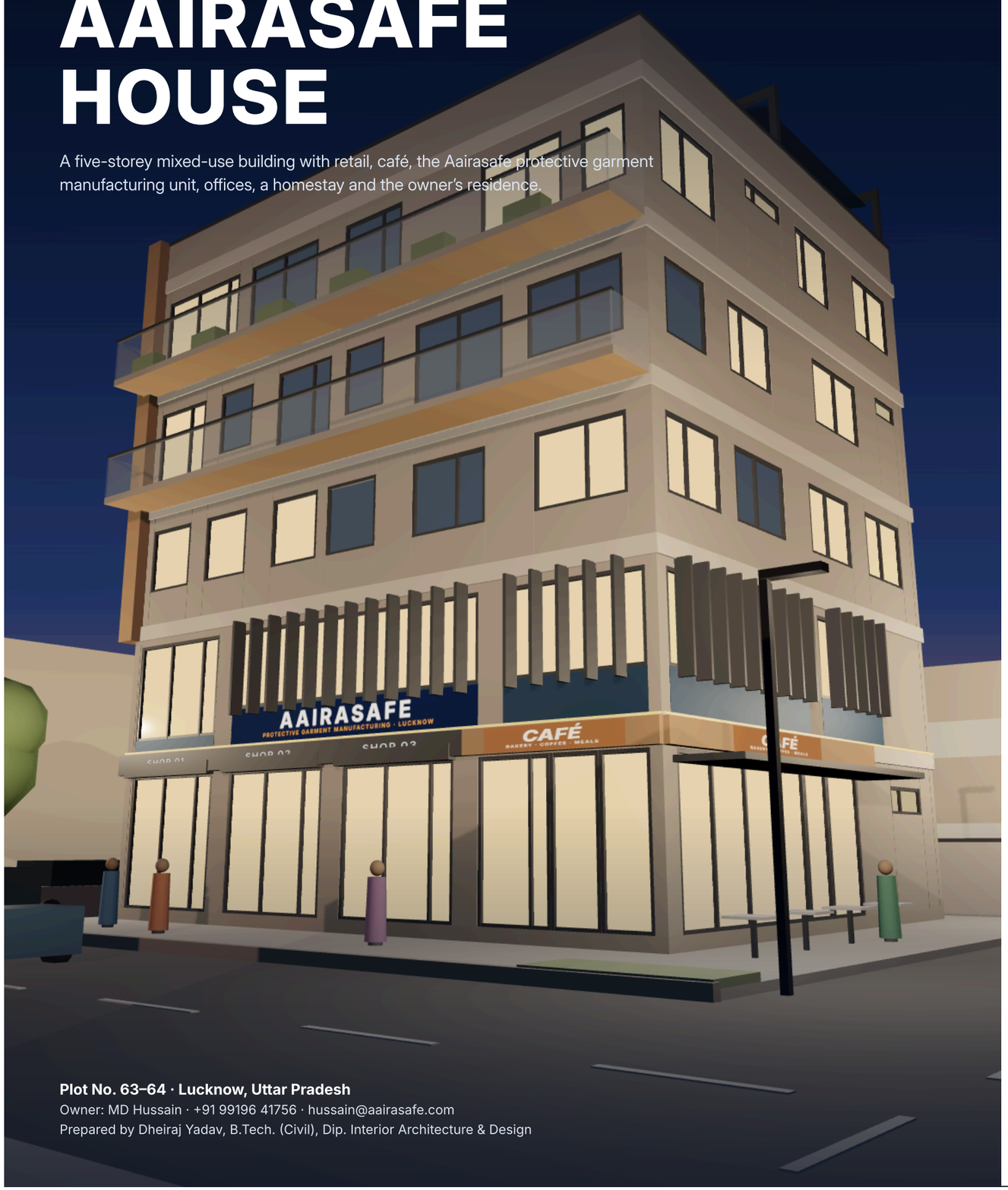
CONCEPT DESIGN · NOVEMBER 2026

AAIRASAFE HOUSE

A five-storey mixed-use building with retail, café, the Aairasafe protective garment manufacturing unit, offices, a homestay and the owner's residence.



Plot No. 63–64 · Lucknow, Uttar Pradesh
Owner: MD Hussain · +91 99196 41756 · hussain@aairasafe.com
Prepared by Dheiraj Yadav, B.Tech. (Civil), Dip. Interior Architecture & Design

PROJECT DATA

Plot	59'-0" × 70'-4" = **4,150 sq ft** (385.5 m²)
Roads	3 sides open: 30' (W, front) · 28' (S) · 25' (N) · boundary wall (E)
Building	G + 4 + terrace · RCC frame
Footprint	2,064 sq ft · coverage 49.7%
Built-up area	**10,320 sq ft** · FAR 2.49
Height	16.65 m to terrace
Parking	3 cars + 18 two-wheelers

USES

G	3 shops + corner café
1	Aairasafe protective garment manufacturing unit + client showroom
2	3 rentable offices
3	Homestay · 4 guest rooms
4	Owner's 3-bedroom residence
R	Terrace garden · solar pergola

DRAWING INDEX

AH-A-000	Cover sheet & drawing index
AH-A-001	Site plan
AH-A-101	Ground floor plan
AH-A-102	First floor plan — Aairasafe
AH-A-103	Second floor plan — Offices
AH-A-104	Third floor plan — Homestay
AH-A-105	Fourth floor plan — Residence
AH-A-106	Terrace plan
AH-A-201	West elevation (front)
AH-A-202	South & north elevations
AH-A-301	Section A–A
AH-A-401	Area statement & room schedule
AH-A-402	Design basis, services & finishes
AH-A-501	Aairasafe protective garment unit — detail
AH-A-601	3D views

AAIRASAFE
PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
MD HUSSAIN
+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

NOTES
1. This set describes the concept design for discussion with the owner, investors, tenants and authorities.
2. All areas are approximate and subject to survey, LDA bye-laws and structural design.
3. 3D views are illustrative.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

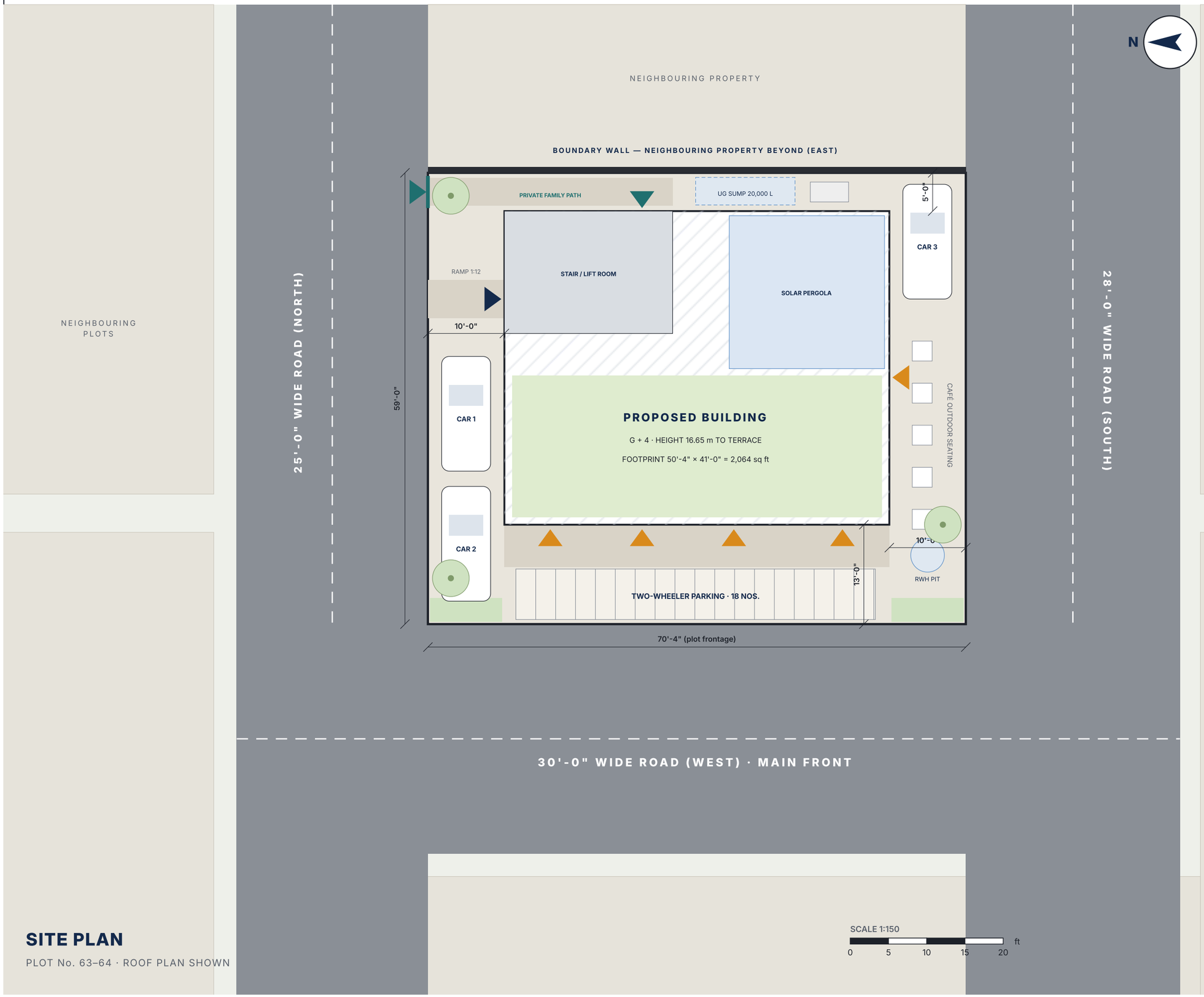
CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

PREPARED BY
DHEIRAJ YADAV
B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
Cover Sheet & Drawing Index

SCALE	SHEET
NTS	A3
DATE	**REVISION**
03.11.2026	P1

DRAWING NO.
AH-A-000



SITE PLAN

PLOT No. 63–64 · ROOF PLAN SHOWN

AAIRASAFE

PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
MD HUSSAIN
+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

LEGEND

- Shop / café entry
- Main lobby entry (north)
- Family entry (private gate, NE corner)
- Solar pergola
- Terrace garden

NOTES

Plot area	4,150 sq ft
Ground coverage	2,064 sq ft (49.7%)
Total built-up	10,320 sq ft
FAR achieved	2.49
Setbacks (assumed)	W 13' · E 5' · N 10' · S 10'
Parking provided	3 ECS + 18 two-wheelers

1. Plot dimensions from society layout; confirm by survey.
2. Parking requirement under LDA norms to be confirmed; options include a car lift or parking fee.
3. Rainwater harvesting pit and UG sump within setbacks.

Rev	Date	Description
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CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

PREPARED BY
DHEIRAJ YADAV
B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
Site Plan

SCALE	SHEET
1:150	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-001



GROUND FLOOR PLAN

RETAIL · CAFÉ · MAIN LOBBY · FFL +0.45 m

SCALE 1:75

0 5 10 15 20 ft

AAIRASAFE
PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
MD HUSSAIN
+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

LEGEND
- RCC frame / masonry wall (cut)
- RCC column 230 × 450
- Window / glazing
- Entry point
- Main lobby entry

NOTES
1. Shops: rolling shutter + toughened glass front; 12'×20' bays on structural grid.
2. Café kitchen exhaust duct taken to terrace via E face; grease trap in back setback.
3. Family entry: private gate on the 25' road at the north-east corner, through the rear open space, to the family stair (access-controlled).
4. East side is a boundary wall; meter room opens to the rear open space for utility reading.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

PREPARED BY
DHEIRAJ YADAV
B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
Ground Floor Plan

SCALE	SHEET
1:75	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-101



SCALE 1:75

0 5 10 15 20 ft

FIRST FLOOR PLAN

AAIRASAFE — PROTECTIVE GARMENT MANUFACTURING · FFL +4.05 m

AAIRASAFE

PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
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SITE
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LEGEND

- RCC frame / masonry wall (cut)
- RCC column 230 × 450
- Window / glazing
- Entry point
- Main lobby entry

NOTES

1. **Process flow** (orange): 1 Goods in → 2 Store → 3 Inspect & cut → 4 Stitch → 5 QC + test → 6 Press & pack → 7 Dispatch.
2. Protective garment unit: FR, hi-vis and industrial workwear. Fabric, thread and trims for each product line stored and tagged separately to prevent mix-ups.
3. Client showroom has a glass wall to the stitching line, so visitors see production.
4. Lighting 750 lux at machines; fire alarm and sprinklers on this floor.
5. Lift sized for fabric rolls; goods enter via staff passage.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

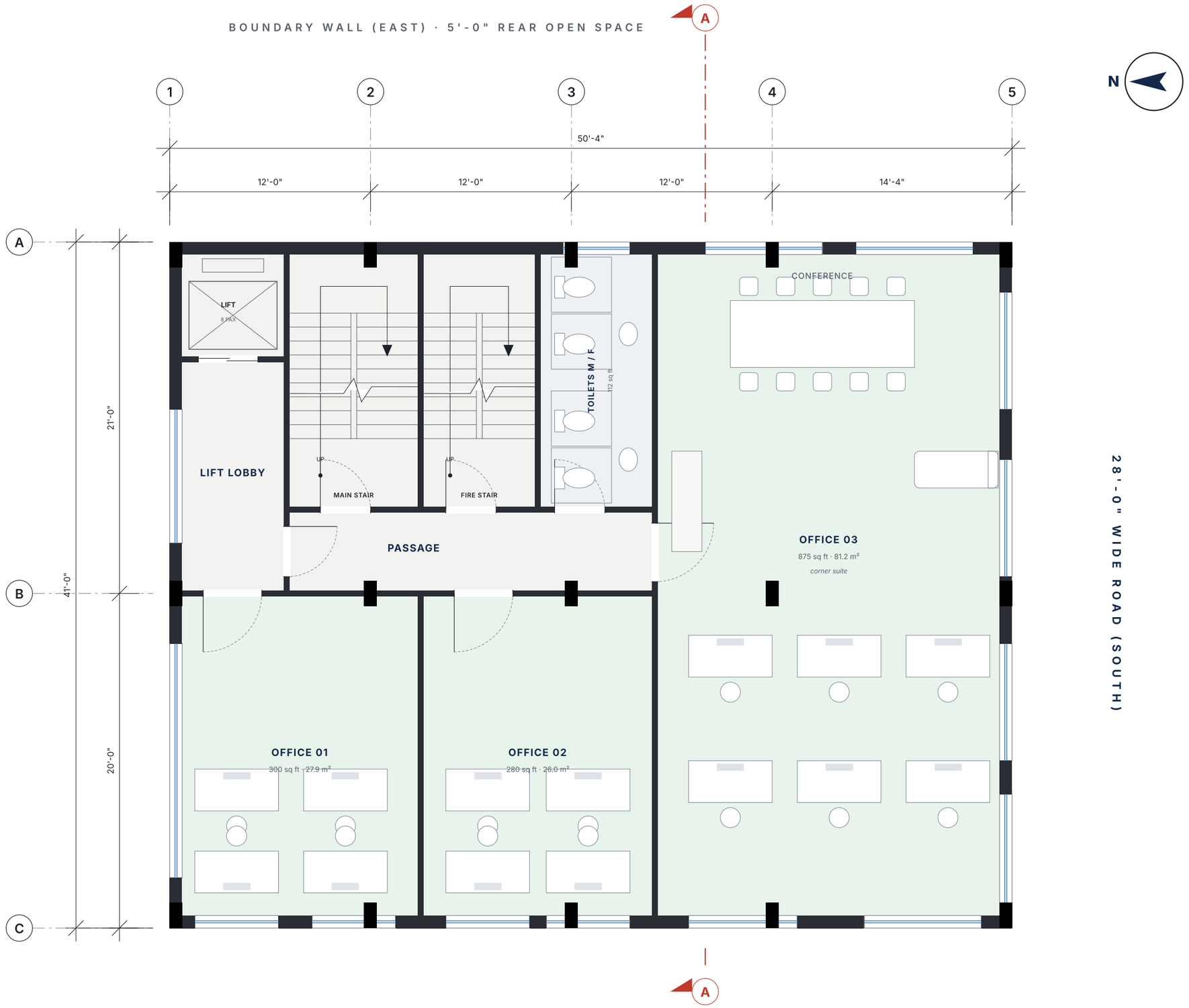
PREPARED BY
DHEIRAJ YADAV
B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
First Floor Plan

SCALE	SHEET
1:75	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-102

BOUNDARY WALL (EAST) · 5'-0" REAR OPEN SPACE



30'-0" WIDE ROAD (WEST) · MAIN FRONT

SCALE 1:75

0 5 10 15 20 ft

SECOND FLOOR PLAN

RENTABLE OFFICES · FFL +7.20 m

AAIRASAFE

PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
MD HUSSAIN
+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

LEGEND
- RCC frame / masonry wall (cut)
- RCC column 230 × 450
- Window / glazing
- Entry point
- Main lobby entry

NOTES
1. Three lettable office units; Office 03 can be split into two.
2. Shared toilets (M/F) and pantry on floor.
3. Raised-floor-ready; AC ODUs on terrace.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

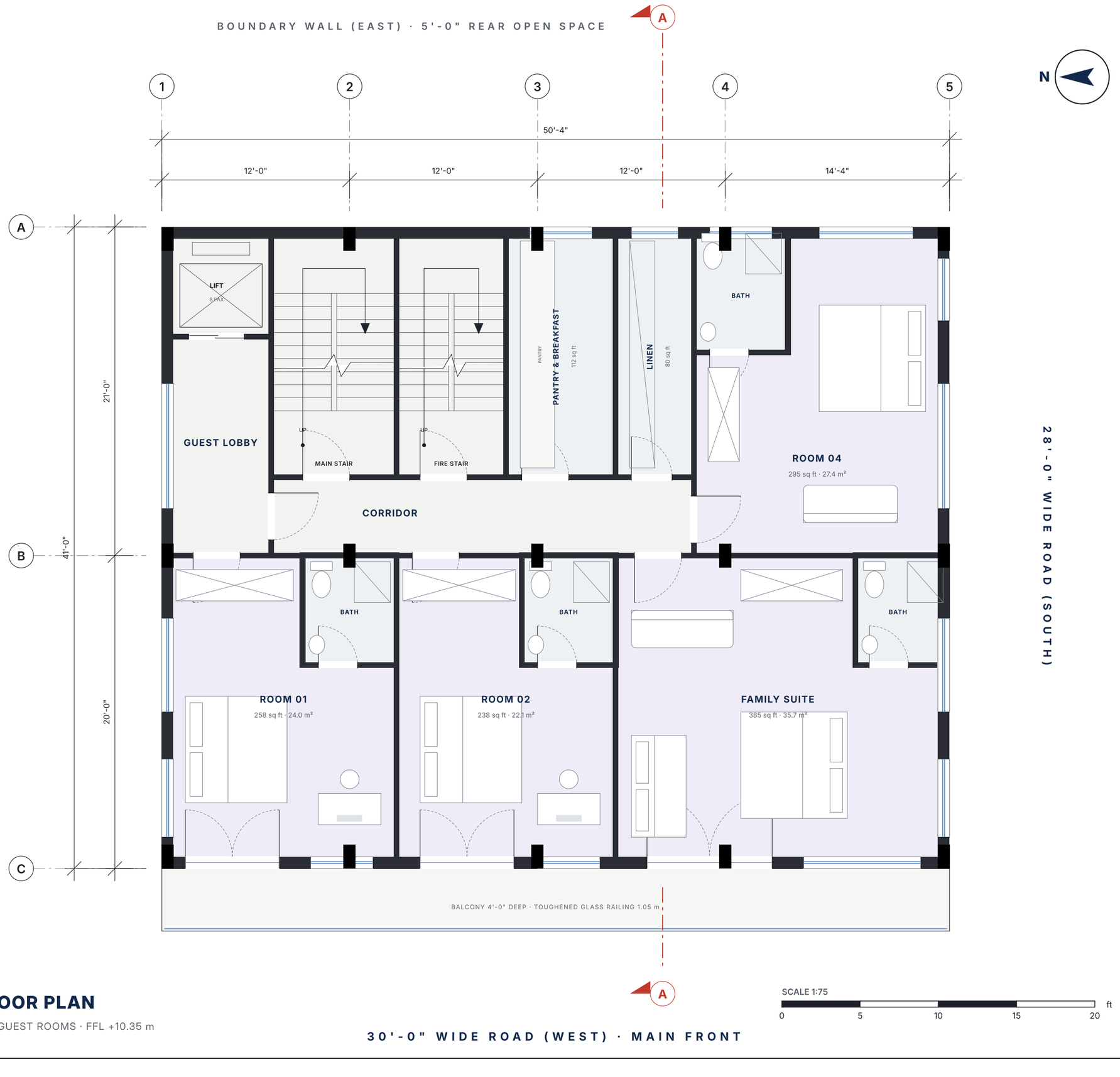
CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

PREPARED BY
DHEIRAJ YADAV
B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
Second Floor Plan

SCALE	SHEET
1:75	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-103



THIRD FLOOR PLAN

HOMESTAY — 4 GUEST ROOMS · FFL +10.35 m

AAIRASAFE
PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
MD HUSSAIN
+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

LEGEND
- RCC frame / masonry wall (cut)
- RCC column 230 × 450
- Window / glazing
- Entry point
- Main lobby entry

NOTES
1. Four guest rooms with attached baths; family suite sleeps 4.
2. Guest access by key-card lift and main stair only.
3. Balconies 4'-0" deep with toughened glass railing.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

PREPARED BY
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B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
Third Floor Plan

SCALE	SHEET
1:75	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-104



FOURTH FLOOR PLAN

OWNER'S RESIDENCE — 3 BHK · FFL +13.50 m

AAIRASAFE

PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
MD HUSSAIN
+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

LEGEND

- RCC frame / masonry wall (cut)
- RCC column 230 × 450
- Window / glazing
- Entry point
- Main lobby entry

NOTES

1. Owner's 3-bedroom residence, private foyer.
2. Lift opens into foyer with key-card control; family stair connects to the private rear entrance.
3. Master bedroom in south-west corner; kitchen in south-east corner.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

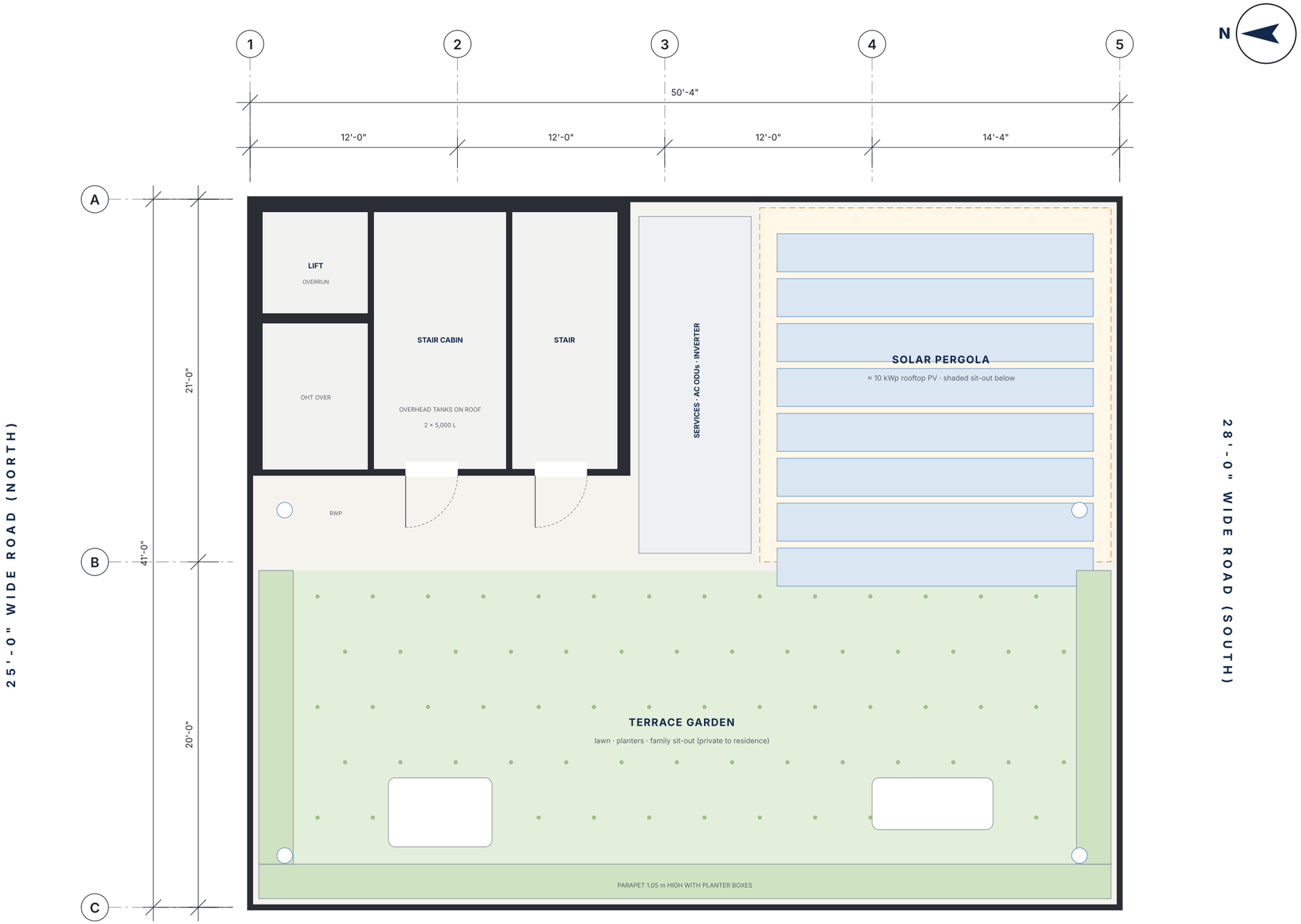
PREPARED BY
DHEIRAJ YADAV
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DRAWING TITLE
Fourth Floor Plan

SCALE	SHEET
1:75	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-105

BOUNDARY WALL (EAST) · 5'-0" REAR OPEN SPACE



30'-0" WIDE ROAD (WEST) · MAIN FRONT

SCALE 1:75

0 5 10 15 20 ft

TERRACE PLAN

TERRACE GARDEN · SOLAR · SERVICES · FFL +16.65 m

AAIRASAFE

PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
MD HUSSAIN
+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

LEGEND

- RCC frame / masonry wall (cut)
- RCC column 230 × 450
- Window / glazing
- Entry point
- Main lobby entry

NOTES

1. Terrace finished with brickbat coba + waterproofing membrane.
2. Solar pergola ≈ 10 kWp, net-metered.
3. Overhead tanks over stair cabin; rainwater pipes to recharge pit.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

PREPARED BY
DHEIRAJ YADAV
B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
Terrace Plan

SCALE	SHEET
1:75	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-106



WEST ELEVATION — FRONT

AS SEEN FROM THE 30'-0" ROAD

SCALE 1:100

0 5 10 15 20 ft

AAIRASAFE

PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

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SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

NOTES

1. External finish: textured exterior paint, off-white; bands in warm grey.
2. Fins, frames and coping: powder-coated aluminium, charcoal.
3. Brand colours: Aairasafe navy #13294B with amber #E8A33D accent line at first-floor level.
4. Signage subject to Nagar Nigam advertisement rules.
5. Building height above 15 m attracts high-rise fire provisions; see section A–A.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

PREPARED BY
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DRAWING TITLE
West Elevation (Front)

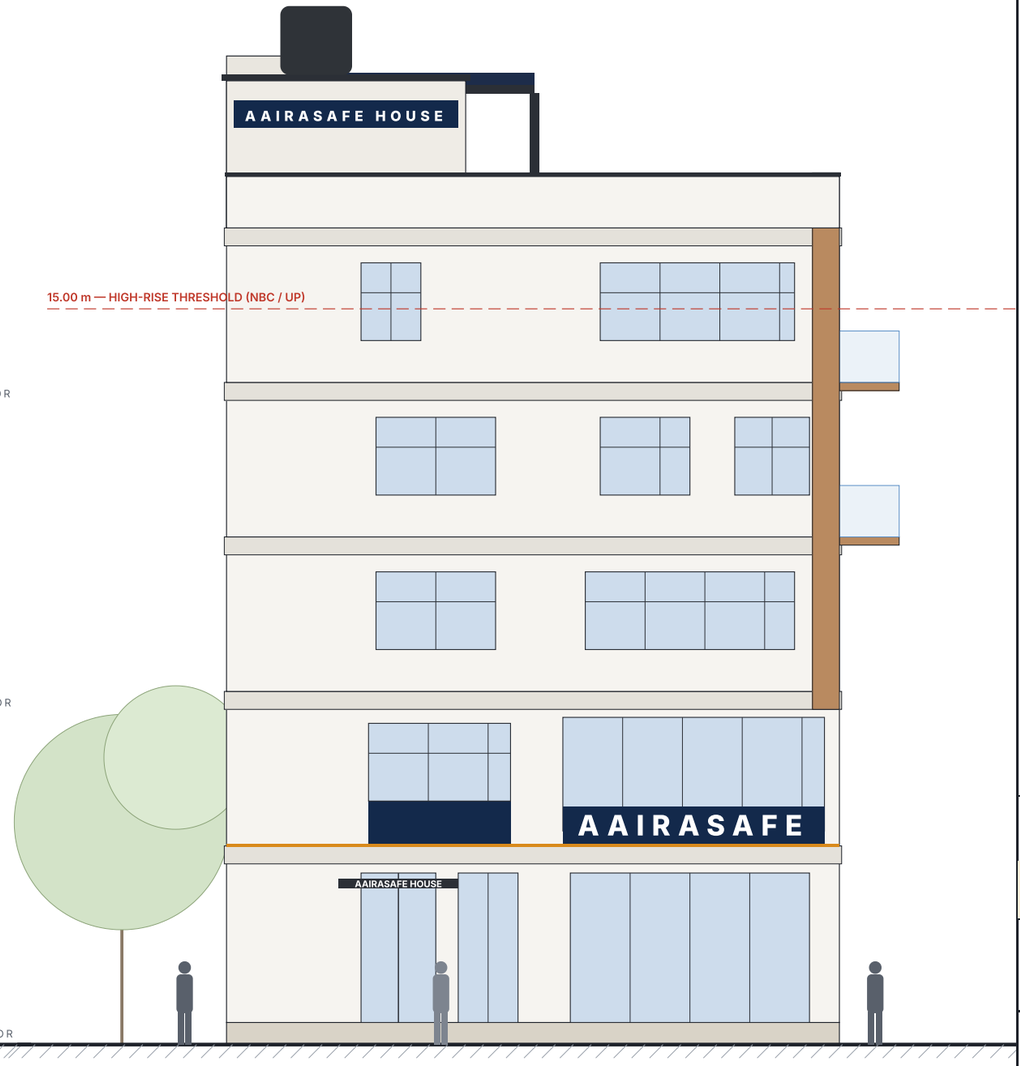
SCALE	SHEET
1:100	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-201



SOUTH ELEVATION — 28'-0" ROAD

Café frontage, south sun fins, balconies in profile



NORTH ELEVATION — 25'-0" ROAD

Main lobby entrance & canopy, Aairasafe brand band

SCALE 1:125

0 5 10 15 20 ft

AAIRASAFE

PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
MD HUSSAIN
+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

NOTES

1. Refer A-201 for materials.
2. North face carries the main lobby entrance and canopy signage.
3. South face: café wood fascia and awning over outdoor seating.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

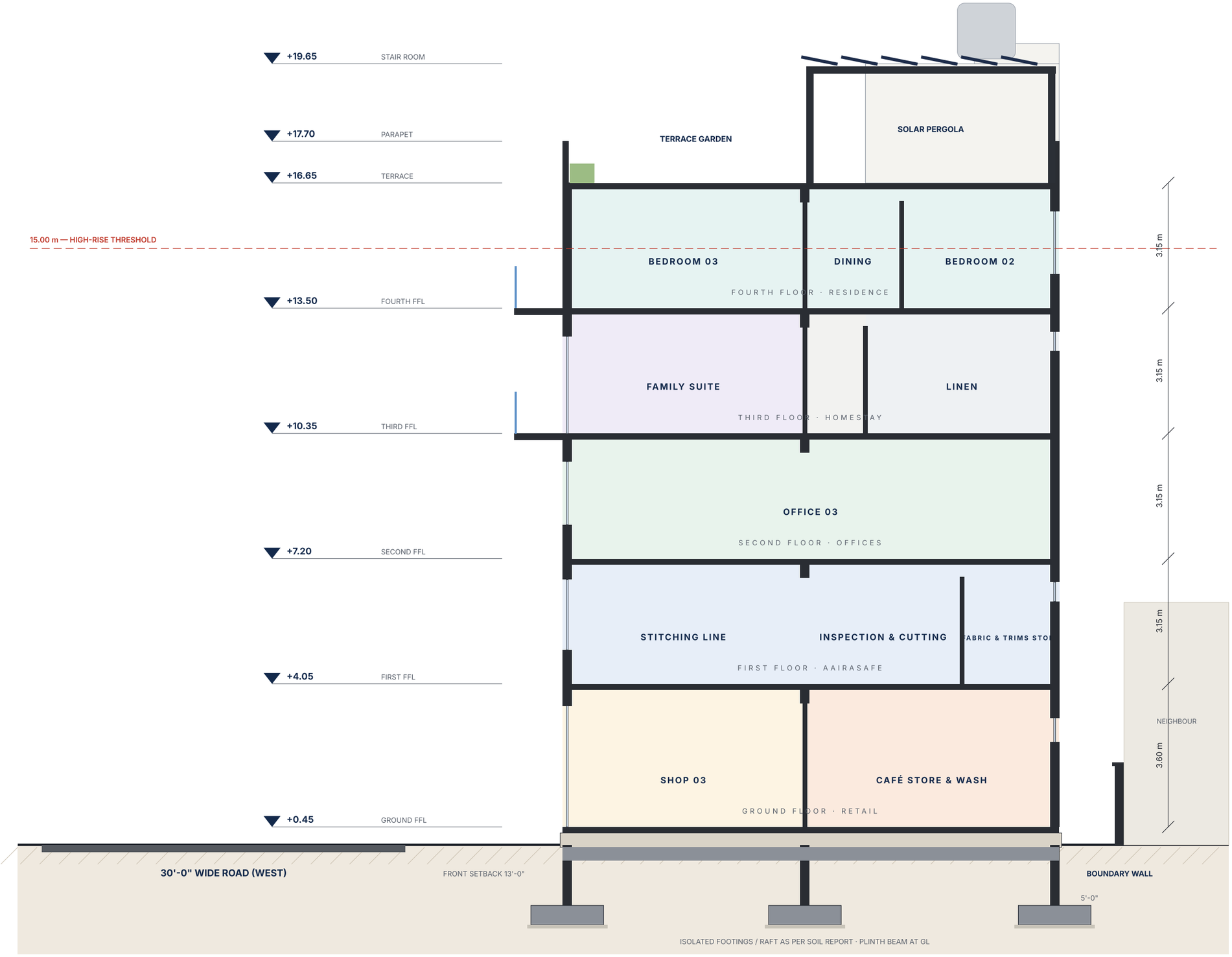
CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

PREPARED BY
DHEIRAJ YADAV
B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
South & North Elevations

SCALE	SHEET
1:125	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-202



SECTION A–A

CUT THROUGH GRID 3–4 · LOOKING NORTH

SCALE 1:100

0 5 10 15 20 ft

AAIRASAFE

PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

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SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

NOTES

1. Floor-to-floor: ground 3.60 m, upper floors 3.15 m.
2. Slab 150 mm, beams 230 × 450 mm (indicative).
3. Terrace at 16.65 m exceeds 15 m: high-rise provisions (fire NOC, 2 staircases, sprinklers, fire lift where required).
4. Plan B (G+3) keeps terrace at 13.50 m, below the high-rise threshold.
5. Foundations per soil investigation; seismic zone III (IS 1893).

Rev	Date	Description
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CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

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B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
Section A–A

SCALE	SHEET
1:100	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-301

AREA STATEMENT

Floor	Use	Built-up	Usable	Rentable
Ground Floor	Retail · Café · Main lobby	2,064	1,602	1,455
First Floor	Aairasafe — protective garment manufacturing	2,064	1,602	Own use
Second Floor	Rentable offices	2,064	1,602	1,455
Third Floor	Homestay — 4 guest rooms	2,064	1,602	4 rooms
Fourth Floor	Owner's residence — 3 BHK	2,064	1,602	Own use
Terrace	Stair & lift room	462	–	–
Total		**10,320**	**8,010**	**2,909 + 4 rooms**

Areas in sq ft. Usable excludes lift, lobby, two staircases and passage (462 sq ft per floor). Terrace room excluded from FAR.

PLANNING DATA

Plot area	4,150 sq ft · 385.5 m²
Ground coverage	2,064 sq ft · 49.7%
Total built-up (FAR area)	10,320 sq ft · 958.8 m²
FAR achieved	2.49
Building height (to terrace)	16.65 m (G+4)
Setbacks assumed	W 13'-0" · E 5'-0" · N 10'-0" · S 10'-0"
Parking provided	3 cars + 18 two-wheelers
Plan B (G+3)	8,256 sq ft · FAR 1.99 · 13.50 m

FAR, coverage, height and parking to be confirmed by the architect against LDA bye-laws and the Lucknow Master Plan land use for this plot.

ROOM SCHEDULE

Room	Size	sq ft
GROUND FLOOR · Retail · Café · Main lobby		
ELEC. / METERS	7'-0" × 7'-0"	49
TOILETS	7'-0" × 9'-0"	63
CAFÉ STORE & WASH	7'-0" × 21'-0"	147
CAFÉ KITCHEN	14'-4" × 13'-0"	186
CAFÉ / RESTAURANT	14'-4" × 28'-0"	401
SHOP 01	12'-0" × 20'-0"	240
SHOP 02	12'-0" × 20'-0"	240
SHOP 03	12'-0" × 20'-0"	240
FIRST FLOOR · Aairasafe — protective garment manufacturing		
TOILETS M / F	7'-0" × 16'-0"	112
FABRIC & TRIMS STORE	21'-4" × 8'-0"	171
INSPECTION & CUTTING	21'-4" × 13'-0"	277
CLIENT SHOWROOM	12'-0" × 20'-0"	240
STITCHING LINE	26'-0" × 20'-0"	520
QC · TESTING · PACK	12'-4" × 20'-0"	247
SECOND FLOOR · Rentable offices		
TOILETS M / F	7'-0" × 16'-0"	112
OFFICE 01	15'-0" × 20'-0"	300
OFFICE 02	14'-0" × 20'-0"	280
OFFICE 03	21'-4" × 41'-0"	875

Room	Size	sq ft
THIRD FLOOR · Homestay — 4 guest rooms		
PANTRY & BREAKFAST	7'-0" × 16'-0"	112
LINEN	5'-0" × 16'-0"	80
ROOM 01	15'-0" × 20'-0"	258
ROOM 02	14'-0" × 20'-0"	238
FAMILY SUITE	21'-4" × 20'-0"	385
ROOM 04	16'-4" × 21'-0"	295
FOURTH FLOOR · Owner's residence — 3 BHK		
BATH	7'-0" × 8'-0"	56
UTILITY	7'-0" × 8'-0"	56
BEDROOM 02	10'-0" × 13'-0"	130
KITCHEN	11'-4" × 13'-0"	147
DINING	21'-4" × 8'-0"	171
LIVING	22'-0" × 20'-0"	440
BEDROOM 03	13'-0" × 20'-0"	225
MASTER BEDROOM	15'-4" × 20'-0"	267

AAIRASAFE
PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
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SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

NOTES
1. Room sizes are internal grid sizes (centre-line); carpet area is approx. 8% less.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

PREPARED BY
DHEIRAJ YADAV
B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
Area Statement & Room Schedule

SCALE: NTS	SHEET: A3
DATE: 03.11.2026	REVISION: P1

DRAWING NO.
AH-A-401

STRUCTURE

- RCC framed structure, M25 concrete, Fe500D steel.
- Column grid 12' × 21' (approx.), columns 230 × 450 mm indicative.
- Isolated / combined footings or raft as per soil report.
- Seismic zone III (IS 1893), ductile detailing (IS 13920).
- Design live loads: shops 4 kN/m², production floor 5 kN/m², offices 3 kN/m², residential 2 kN/m².
- Foundation and columns designed for G+4 from day one, even if built in phases.

VERTICAL TRANSPORT

- One 8-person (544 kg) MRL passenger-cum-goods lift, 6 stops, key-card control for floors 3–4.
- Main stair 1.2 m flights; second stair (family / fire escape) from the private rear entrance to terrace.

FIRE & LIFE SAFETY

- Fire NOC from UP Fire & Emergency Services.
- Wet riser / hose reel, fire alarm, smoke detectors, extinguishers on all floors.
- Sprinklers on the Aairasafe floor (textile fire load) and café kitchen.
- Fire doors to both staircases; exit signage & emergency lighting.

ELECTRICAL

- Separate LT meters per unit (shops, café, offices, homestay, home).
- Aairasafe: 3-phase industrial connection ≈ 25 kW.
- Estimated building load 80–100 kW; check with LESA if a dedicated transformer is needed.
- Rooftop solar ≈ 10 kWp, net-metered; DG / inverter backup for lift and common areas.

WATER & DRAINAGE

- UG sump 20,000 L; 2 × 5,000 L overhead tanks.
- Rainwater harvesting with recharge pit (mandatory for plots over 300 m²).
- Grease trap for café kitchen before sewer connection.
- Stacked wet areas on all floors to keep plumbing short.

HVAC & VENTILATION

- Split / VRF AC units; outdoor units on terrace services strip.
- Café kitchen exhaust duct to terrace level.
- Production floor: cross-ventilation, exhaust fans, 750 lux task lighting.

FINISHES SCHEDULE

Area	Floor	Walls
Shops / café	Vitrified tile 800×800	Putty + emulsion
Aairasafe floor	Epoxy / anti-static vinyl	Washable emulsion
Showroom	Wood-look vinyl	Feature wall, brand graphics
Offices	Vitrified tile	Emulsion
Homestay rooms	Wooden laminate	Emulsion + wallpaper accent
Residence	Italian marble / large tiles	Premium emulsion
Toilets	Anti-skid tiles	Glazed tiles to 2.1 m
Stairs & lobby	Granite	Texture paint
Terrace	Brickbat coba + membrane	–

EXTERIOR

- Textured exterior paint, off-white with warm-grey bands.
- Charcoal aluminium fins, frames and coping.
- Navy ACP brand band with backlit letters.
- Stone-clad plinth; wood-finish soffits and corner fin.
- Double-glazed windows on west and south faces.

AAIRASAFE
PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

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+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

NOTES
1. Design basis is preliminary; final specifications by structural, MEP and fire consultants.

Rev	Date	Description
P1	03.11.2026	Concept design issued for discussion

CONCEPT DESIGN — FOR DISCUSSION · NOT FOR CONSTRUCTION

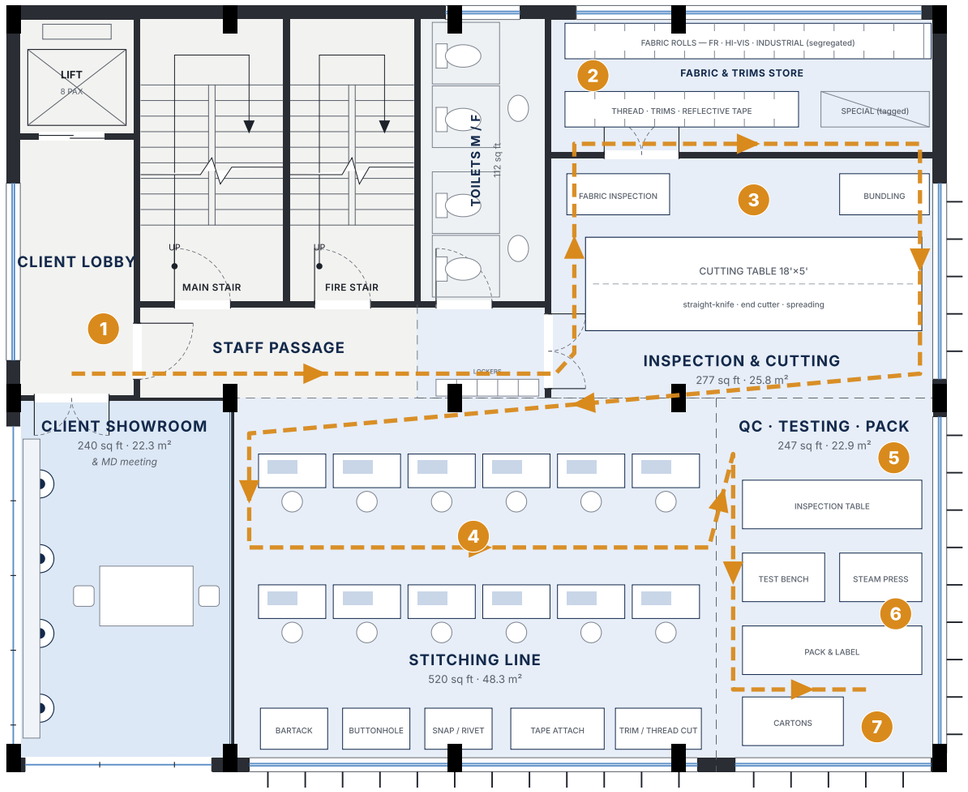
PREPARED BY
DHEIRAJ YADAV
B.Tech. in Civil Engineering · Diploma in Interior Architecture & Design

DRAWING TITLE
Design Basis, Services & Finishes

SCALE	SHEET
NTS	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-402

FIRST FLOOR — AAIRASAFE UNIT (1:100)



WHY THIS FLOOR WORKS FOR AAIRASAFE

FOR CLIENTS

- Clients arrive by lift into a branded lobby and showroom, never through the workshop.
- A glass wall lets them watch protective garments being made, which builds trust in quality.
- Meeting table and sample display for product approvals.

FOR PRODUCTION

- One floor above the road: short material path, quick dispatch.
- Straight-line flow with no back-tracking: store → cut → stitch → QC → pack.
- Daylight from three sides; sun fins on west and south.
- Workers use the staff passage, away from the family home on the 4th floor.

PRODUCTION FLOW

1	2	3	4	5	6	7
Goods in	Store	Inspect & cut	Stitch	QC + test	Press & pack	Dispatch

1	**Goods in**	Fabric rolls, thread, trims and reflective tape arrive by lift; checked against PO and test certificates
2	**Store**	Segregated racks by product line: FR / arc-flash, hi-vis, industrial workwear; special fabrics tagged
3	**Inspect & cut**	4-point fabric inspection, shade check, spreading, straight-knife cutting, bundling with lot tags
4	**Stitch**	12 single-needle / overlock machines + bartack, buttonhole, snap and tape-attach stations
5	**QC + test**	Inline and final inspection, measurement checks; flame test for FR lots, retro-reflection check for hi-vis
6	**Press & pack**	Steam pressing, labelling with size, lot and standard marks, packing
7	**Dispatch**	Cartons to the lift and out through the main lobby; lot records kept for traceability

MACHINES & EQUIPMENT

Single-needle lockstitch	8
Overlock / safety stitch	4
Bartack	1
Buttonhole	1
Snap / rivet press	1
Reflective-tape attach	1
Straight-knife cutter + 18' table	1
Fabric inspection frame	1
Steam press	1
Vertical-flame test cabinet	1

CAPACITY (INDICATIVE)

Operators	12
Shift	8 h
Coverall work content	≈ 50 min
Line efficiency	55–60%
Output	**≈ 75–85 / day**
Per month (25 days)	**≈ 1,900–2,100**

Jackets / shirts run faster; heavy arc-flash suits slower.

QUALITY CONTROLS

- Each product line (FR, hi-vis, industrial) has its own racks and tagged trims.
- Correct thread per line, e.g. FR / aramid thread on FR garments; lot logged.
- FR fabric lots flame-tested before cutting; hi-vis tape checked.
- Garment labels carry lot number for traceability.
- Standards per order, e.g. ISO 13688 (general), ISO 11612 / NFPA 2112 (flame), IEC 61482-2 (arc), EN ISO 20471 (hi-vis).

WORKPLACE & COMPLIANCE

- 750 lux at machines; north and south glazing with sun fins.
- Sprinklers, smoke detection and extinguishers on this floor.
- 10+ workers with power: Factories Act registration and factory licence needed; confirm the building's approved use.
- ESIC / EPF registration as staff grows.
- Clients see production through the showroom glass wall.

AAIRASAFE
PROTECTIVE GARMENTS · LUCKNOW

PROJECT
AAIRASAFE HOUSE
Mixed-use building · G+4

OWNER / CLIENT
MD HUSSAIN
+91 99196 41756 · hussain@aairasafe.com

SITE
Plot No. 63–64, Gata No. 30, 48 & 20, off Saidapur Road, Lucknow, Uttar Pradesh

NOTES
1. Protective garment manufacturing unit: FR and arc-flash wear, high-visibility garments and industrial workwear (coveralls, jackets, trousers, shirts).
2. Machine count and capacity are planning figures; confirm with the production head.

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DRAWING TITLE
Aairasafe Protective Garment Unit

SCALE 1:100	SHEET A3
DATE 03.11.2026	REVISION P1

DRAWING NO.
AH-A-501



VIEW 1 — SOUTH-WEST CORNER: SHOPS, CAFÉ AND AAIRASAFE BRAND FLOOR



VIEW 2 — NORTH-WEST CORNER: MAIN LOBBY ROAD AND FRONT



VIEW 3 — AERIAL: TERRACE GARDEN, SOLAR PERGOLA, CORNER SITE



VIEW 4 — EVENING: LIT SHOPFRONTS AND BACKLIT SIGNAGE

AAIRASAFE
PROTECTIVE GARMENTS · LUCKNOW

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NOTES
1. Views generated from the same 3D model as the drawings; massing, openings and heights match.
2. Materials, colours and context are illustrative.

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DRAWING TITLE
3D Views

SCALE	SHEET
NTS	A3
DATE	REVISION
03.11.2026	P1

DRAWING NO.
AH-A-601