Verified RealEstate™

Your trusted partner for buying, selling, and managing property, ensuring hassle-free service with 100% transparency.

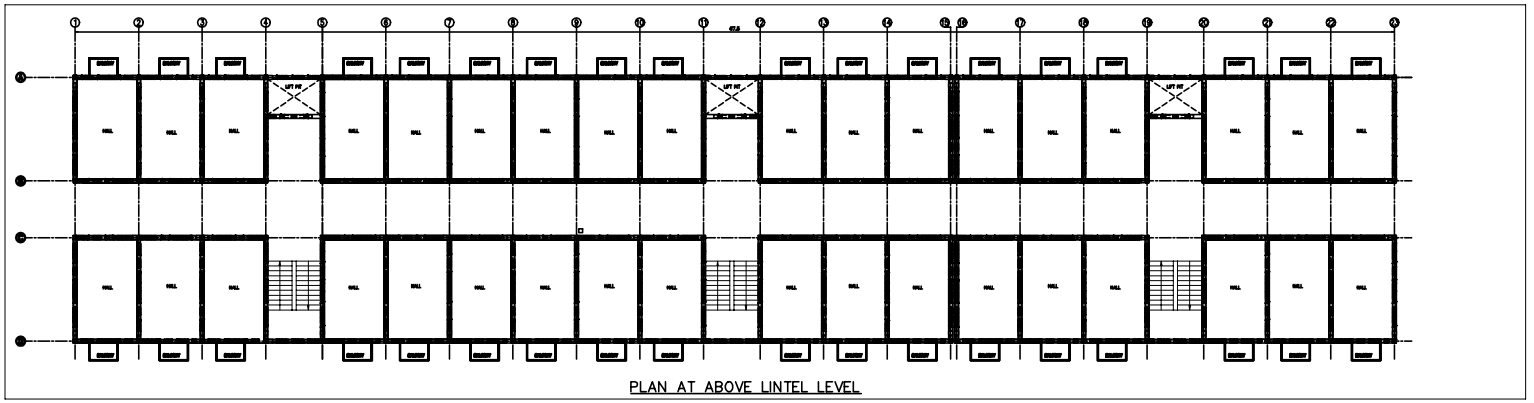
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996

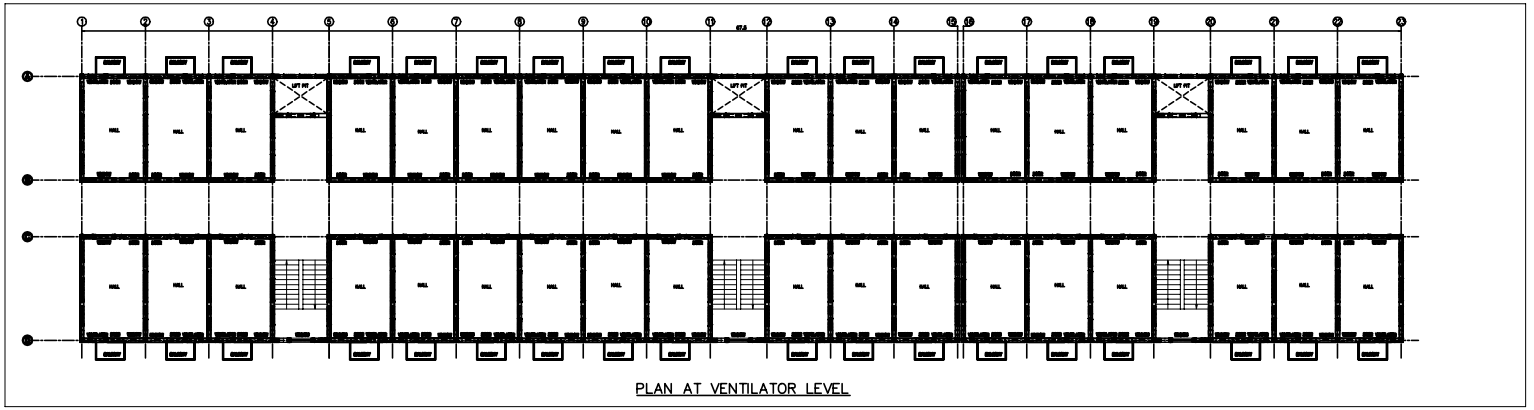
Official Property Record

Digitally Verified Record - Powered by Verified RealEstate™

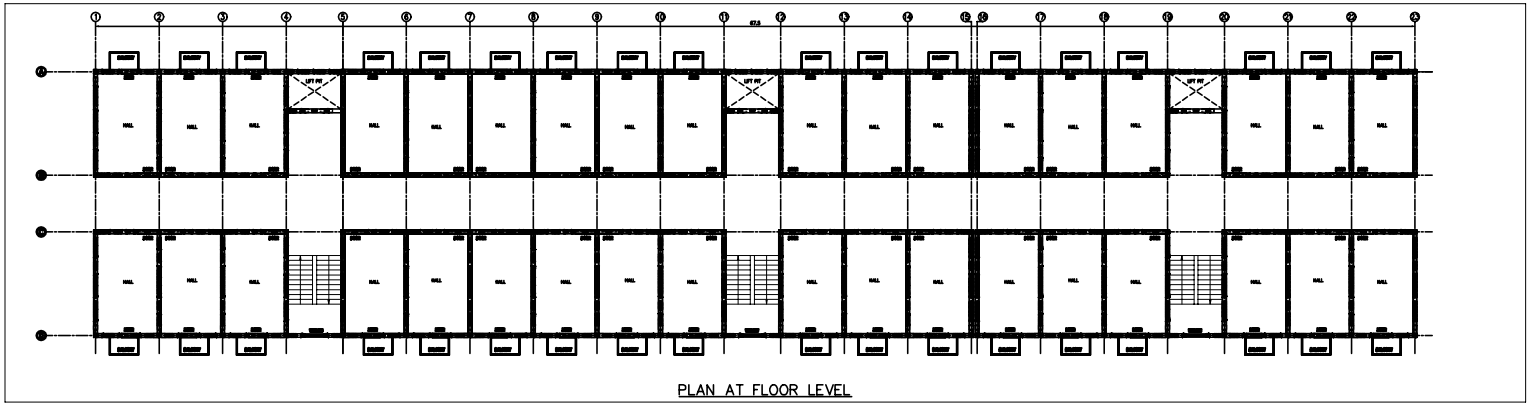




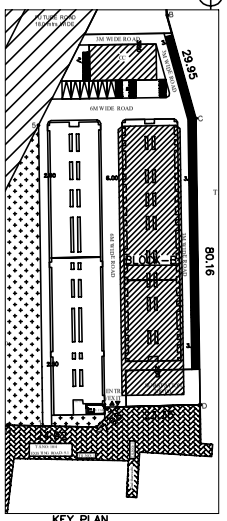
PLAN AT ABOVE LINTEL LEVEL



PLAN AT VENTILATOR LEVEL



PLAN AT FLOOR LEVEL



KEY PLAN

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 500.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. THE REINFORCEMENT IN HOLLOW-BLOCK CONCRETE MASONRY WALL SHALL BE PROVIDED AT THE CENTRE OF OPENING OF CMU AS INDICATED IN DRAWING.
6. GRADE OF MASONRY SHALL BE 15 MPa.
7. GRADE OF MORTAR SHALL BE 18 MPa.
8. GRADE OF CONCRETE FILL FOR LINTEL & ROOF BEAMS SHALL BE M25.
9. FOR INFILL GROUTING WITHIN THE HOLLOW CORES WHERE REBAR IS PROVIDED SELF-COMPACTING GROUT OF GRADE M25 WITH ADEQUATE SLUMP, FOLLOWING PROVISIONS OF ASTM C476 OR EQUIVALENT AND WITH SUITABLE ADMIXTURES TO ATTAIN REQUIRED PLASTICITY AND SHRINKAGE PREVENTION SHALL BE ADOPTED.
10. FGL SHALL BE AT EL(-)0.300 LVL.
11. REINFORCEMENT PROVIDED IN MASONRY WALL SHALL NE LAPPED AS REQUIRED.
12. TYPICAL DETAIL AT 'L' AND 'T' JUNCTION OF WALL SHALL BE AS PER DETAILS PROVIDED IN DRG NO P001-DD-CV-B004

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-B)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-B) : P001-DD-CV-B001-(2 SHEETS)
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-B) : P001-DD-CV-B006, B010 (SHEET 2,3 OF3)
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK-B) : P001-DD-CV-B003 (SHT-3,4)
4. FLOOR AND ROOF BEAMS,SLAB LAYOUT (BLOCK-B) : P001-DD-CV-B005(SHT-5,6,7)

LEGEND:-

FGL – FLOOR GROUND LEVEL
EL – ELEVATION LEVEL
TYP – TYPICAL
DRG – DRAWING
N – NORTH
CJ – CONSTRUCTION JOINT
TOS – TOP OF SLAB
TOB – TOP OF BEAM
LB – LINTEL BEAM
SB – SPANDREL BEAM
FB – FLOOR BEAM
RB – ROOF BEAM
BB – BAND BEAM
CMU – CONCRETE MASONRY UNIT
WALL BELOW
CHAJJA & SUNSHADE

R.NO	DATE	REVISIONS	DRW	CHKD
		ISSUED FOR REVIEW	VS	

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSED
REGN NO.: 2009MJPR0011P.CIL
JP NAGAR, BANGALORE - 560 069
PHONE : 97916 24469

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

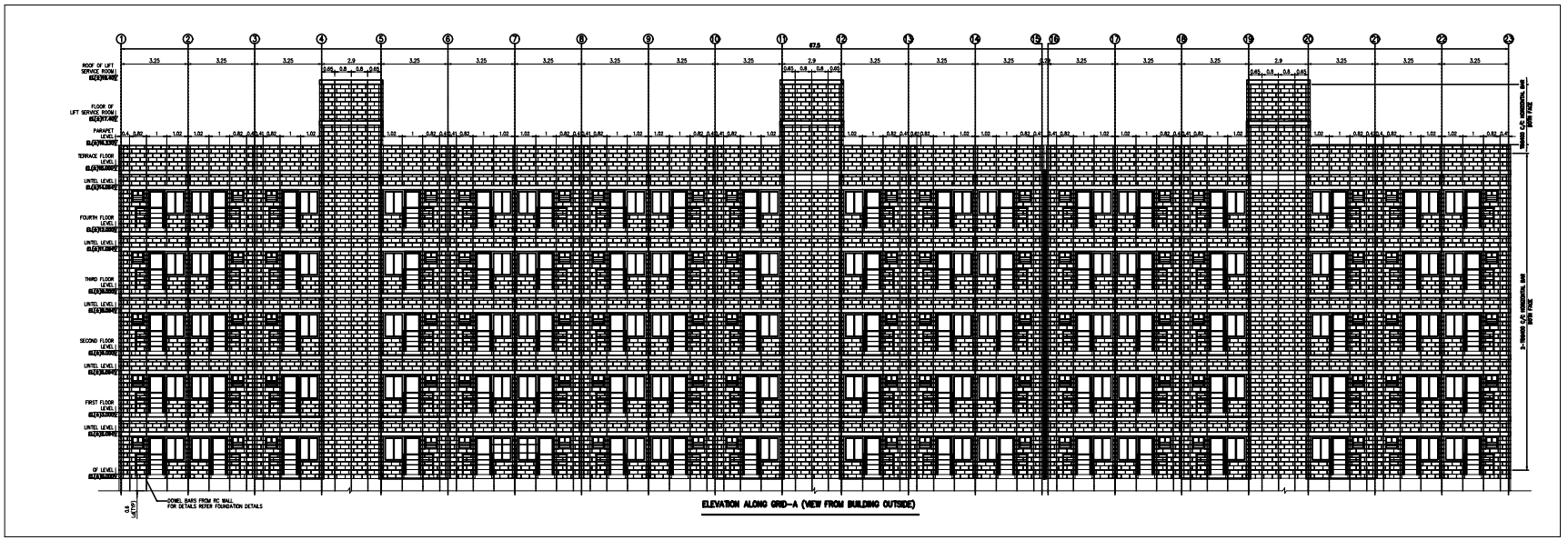
MASONRY WALL REINFORCEMENT DETAILS (SHEET 1 OF 3)(BLOCK-B)

P001-DD-CV-B008

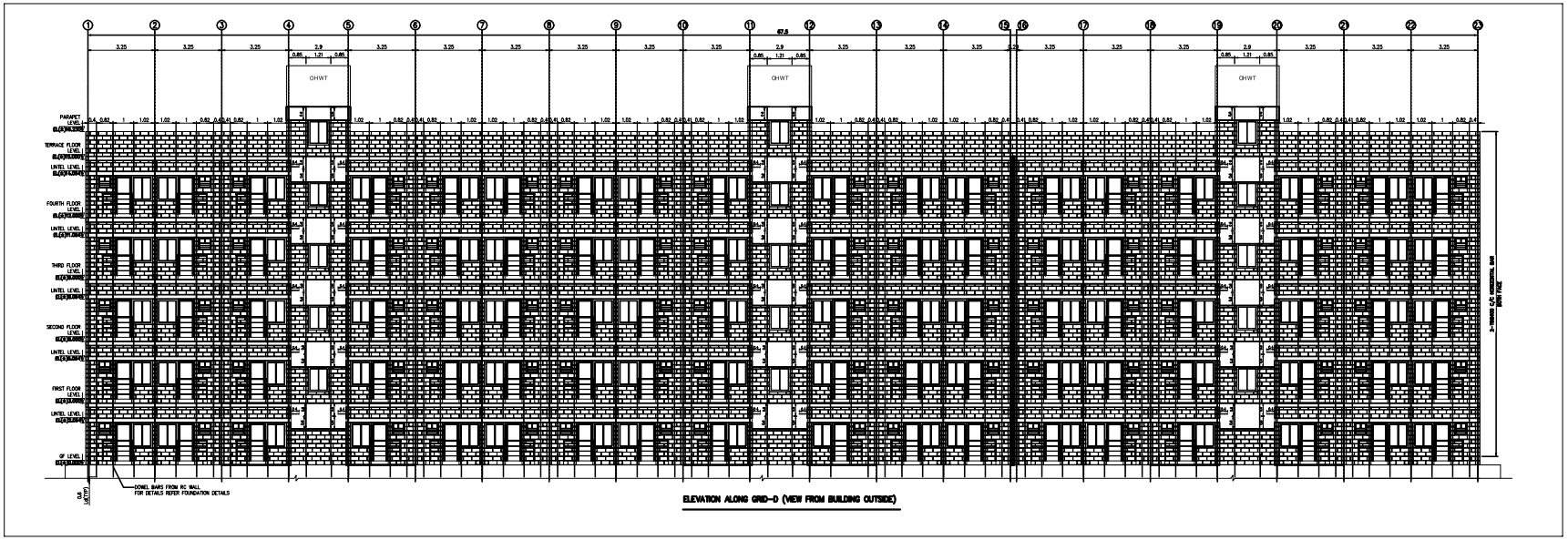
APPROVED:

R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

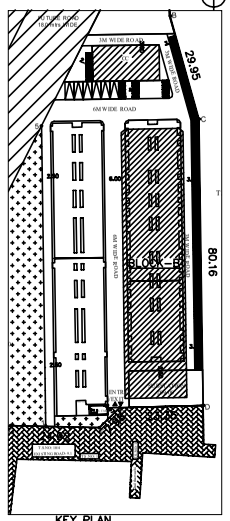
00



ELEVATION ALONG GRID–A (VIEW FROM BUILDING OUTSIDE)



ELEVATION ALONG GRID–D (VIEW FROM BUILDING OUTSIDE)



KEY PLAN

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 500.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. THE REINFORCEMENT IN HOLLOW-BLOCK CONCRETE MASONRY WALL SHALL BE PROVIDED AT THE CENTRE OF OPENING OF CMU AS INDICATED IN DRAWING.
6. GRADE OF MASONRY SHALL BE 15 MPa.
7. GRADE OF MORTAR SHALL BE 18 MPa.
8. GRADE OF CONCRETE FILL FOR LINTEL & ROOF BEAMS SHALL BE M25.
9. FOR INFILL GROUTING WITHIN THE HOLLOW CORES WHERE REBAR IS PROVIDED, SELF-COMPACTING GROUT OF GRADE M25 WITH ADEQUATE SLUMP, FOLLOWING PROVISIONS OF ASTM C476 OR EQUIVALENT AND WITH SUITABLE ADMIXTURES TO ATTAIN REQUIRED PLASTICITY AND SHRINKAGE PREVENTION SHALL BE ADOPTED.
10. FGL SHALL BE AT EL(-)0.300 LVL.
11. REINFORCEMENT PROVIDED IN MASONRY WALL SHALL NE LAPPED AS REQUIRED.
12. TYPICAL DETAIL AT 'L' AND 'T' JUNCTION OF WALL SHALL BE AS PER DETAILS PROVIDED IN DWG NO P001-DD-CV-B004

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-B)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-B) : P001-DD-CV-B001-(2 SHEETS)
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-B) : P001-DD-CV-B008, B010 (SHEET 1,3 OF3)
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK-B) : P001-DD-CV-B003 (SHEET 2)
4. FLOOR AND ROOF BEAMS,SLAB LAYOUT (BLOCK-B) : P001-DD-CV-B004(SHT-2 & SHT-3)

LEGEND:-

FGL – FLOOR GROUND LEVEL	TOS – TOP OF SLAB	FB – FLOOR BEAM	
EL – ELEVATION LEVEL	TOB – TOP OF BEAM	RB – ROOF BEAM	
TYP – TYPICAL	LB – LINTEL BEAM	BB – BAND BEAM	
DRG – DRAWING	SB – SPANDREL BEAM	CMU – CONCRETE MASONRY UNIT	
N – NORTH	BWL – WALL BELOW		
CJ – CONSTRUCTION JOINT	CHAJJA & SUNSHADE		

R.NO	DATE	REVISIONS	DRW	CHKD
		ISSUED FOR REVIEW	VS	

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSED
REGN NO.: 2009/PJR/091/P/CL
JP NAGAR, BANGALORE - 560 069
PHONE : 97916 24420

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

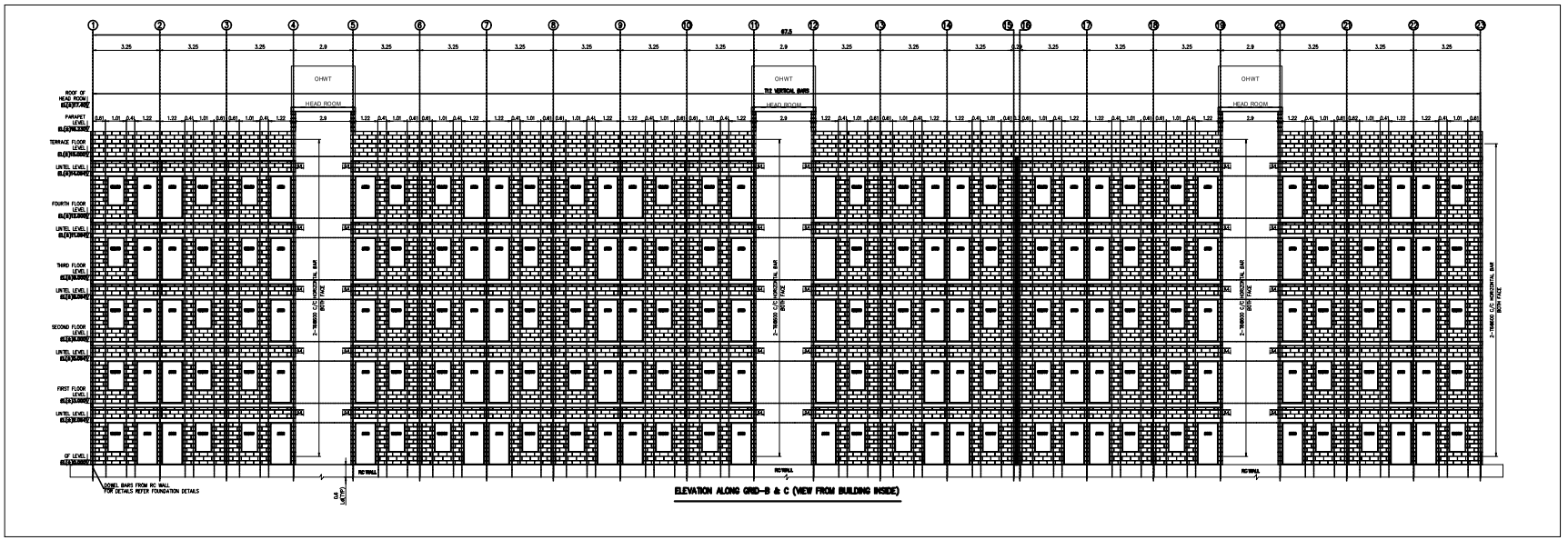
MASONRY WALL REINFORCEMENT DETAILS (SHEET 2 OF 3)(BLOCK–B)

P001-DD-CV-B009

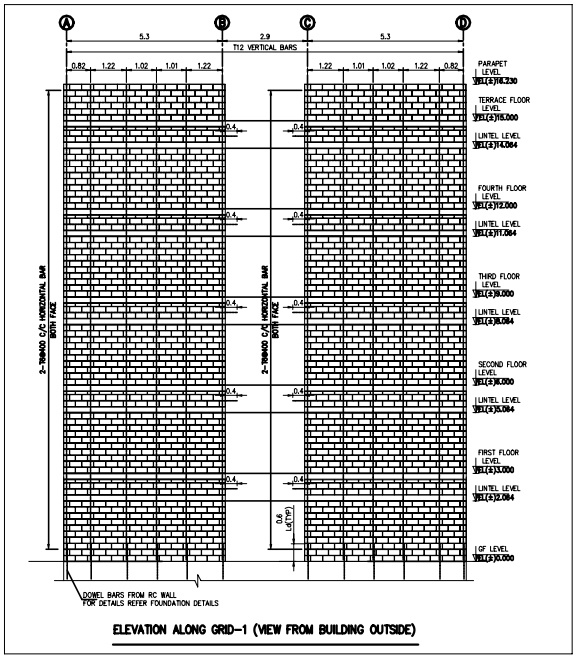
APPROVED:

R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

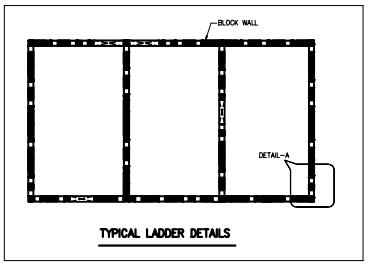
00



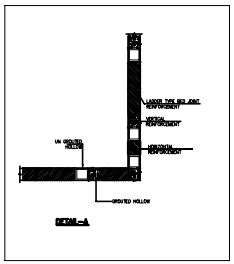
ELEVATION ALONG GRID–B & C (VIEW FROM BUILDING INSIDE)

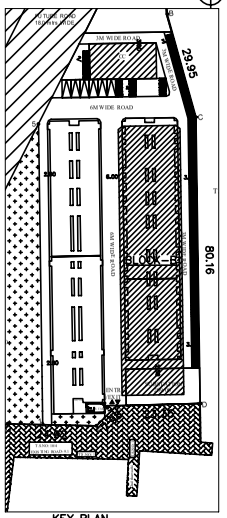


ELEVATION ALONG GRID–1 (VIEW FROM BUILDING OUTSIDE)



TYPICAL LADDER DETAILS





KEY PLAN

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 500.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. THE REINFORCEMENT IN HOLLOW–BLOCK CONCRETE MASONRY WALL SHALL BE PROVIDED AT THE CENTRE OF OPENING OF CMU AS INDICATED IN DRAWING.
6. GRADE OF MASONRY SHALL BE 15 MPa.
7. GRADE OF MORTAR SHALL BE 18 MPa.
8. GRADE OF CONCRETE FILL FOR LINTEL & ROOF BEAMS SHALL BE M25.
9. FOR INFILL GROUTING WITHIN THE HOLLOW CORES WHERE REBAR IS PROVIDED, SELF–COMPACTING GROUT OF GRADE M25 WITH ADEQUATE SLUMP, FOLLOWING PROVISIONS OF ASTM C476 OR EQUIVALENT AND WITH SUITABLE ADMIXTURES TO ATTAIN REQUIRED PLASTICITY AND SHRINKAGE PREVENTION SHALL BE ADOPTED.
10. FGL SHALL BE AT EL(–)0.300 LVL.
11. REINFORCEMENT PROVIDED IN MASONRY WALL SHALL NE LAPPED AS REQUIRED.
12. TYPICAL DETAIL AT 'L' AND 'T' JUNCTION OF WALL SHALL BE AS PER DETAILS PROVIDED IN DWG NO P001–DD–CV–B004

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK–B)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK–B) : P001–DD–CV–B001–(2 SHEETS)
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK–B) : P001–DD–CV–B008, B009 (SHEET 1,2 OF3)
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK–B) : P001–DD–CV–B003 (SHEET 2)
4. FLOOR AND ROOF BEAMS,SLAB LAYOUT (BLOCK–B) : P001–DD–CV–B004(SHT–2 & SHT–3)

LEGEND:-

FGL – FLOOR GROUND LEVEL TOS – TOP OF SLAB FB – FLOOR BEAM
EL – ELEVATION LEVEL TOB – TOP OF BEAM RB – ROOF BEAM
TYP – TYPICAL LB – LINTEL BEAM BB – BAND BEAM
DRG – DRAWING SB – SPANDREL BEAM CMU – CONCRETE
N – NORTH WALL BELOW MASONRY UNIT
CJ – CONSTRUCTION JOINT CHAJJA & SUNSHADE

R.NO	DATE	REVISIONS	DRW	CHKD
		ISSUED FOR REVIEW	VS	

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, QUALITY DRIVEN
REGN NO : 20/MW.JP/2021/P1/CIL
JP NAGAR, BANGALORE - 560 069
PHONE : 97916 24420

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

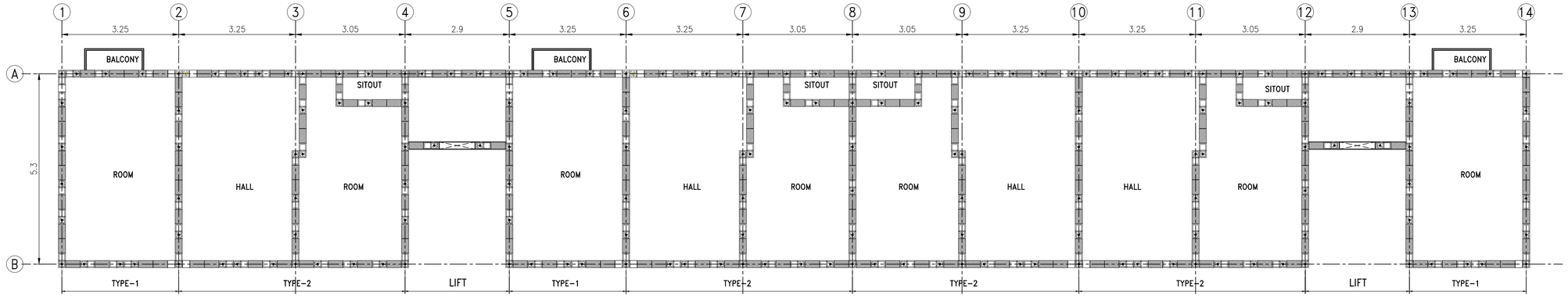
MASONRY WALL REINFORCEMENT DETAILS (SHEET 3 OF 3)(BLOCK–B)

P001-DD-CV-B010

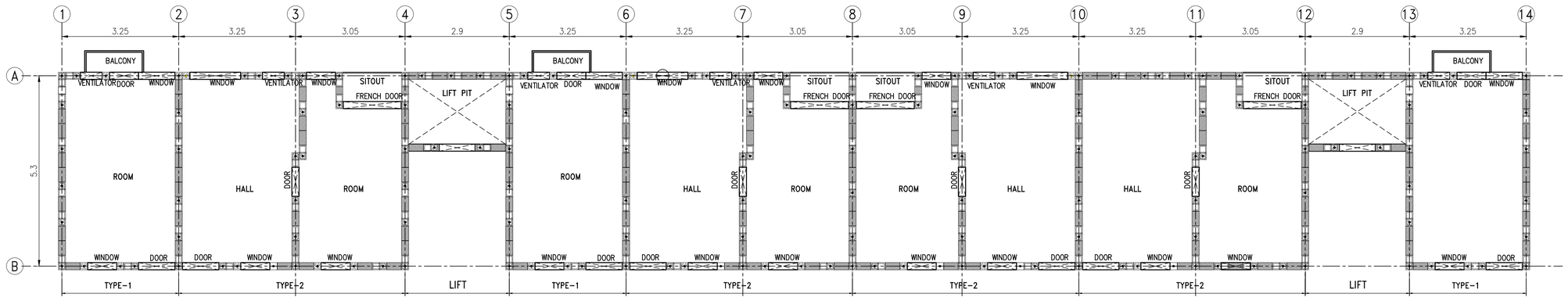
APPROVED:

R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

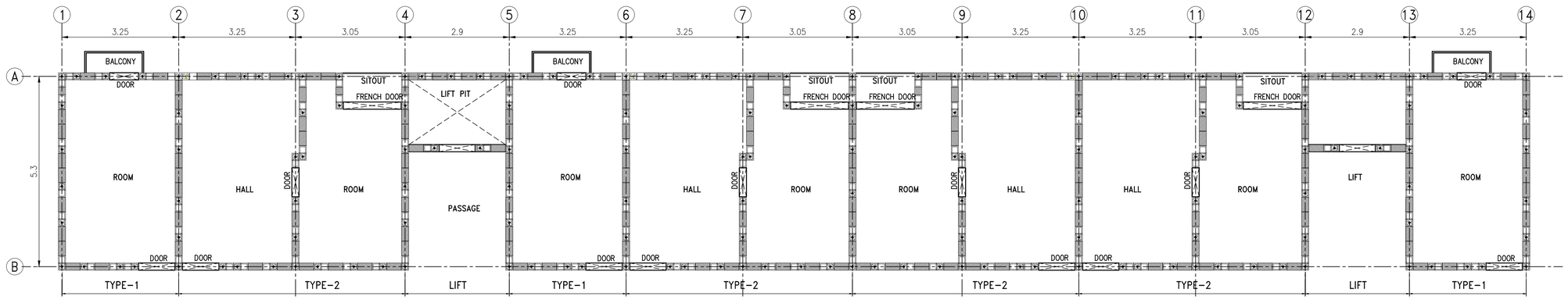
00



PLAN AT ABOVE LINTEL LEVEL

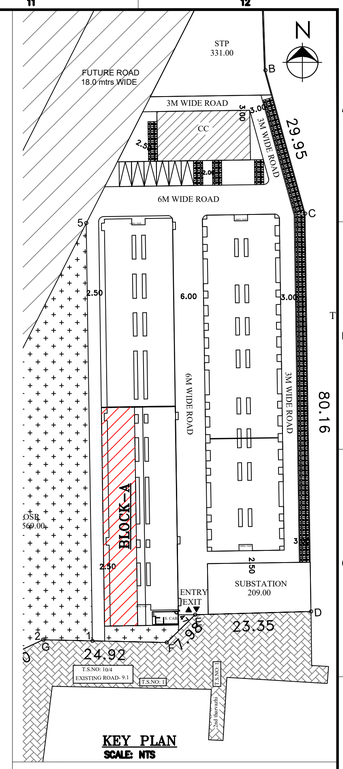


PLAN AT VENTILATOR LEVEL



PLAN AT FLOOR LEVEL

THIS DRAWING IS TO BE READ IN CONJUNCTION
WITH DRG.NO: P001–DD–CV–A005(SHT–2 TO SHT–6)



KEY PLAN
SCALE: NTS

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 500.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. THE REINFORCEMENT IN HOLLOW–BLOCK CONCRETE MASONRY WALL SHALL BE PROVIDED AT THE CENTRE OF OPENING OF CMU AS INDICATED IN DRAWING.
6. GRADE OF MASONRY SHALL BE 15 MPa.
7. GRADE OF MORTAR SHALL BE 18 MPa.
8. GRADE OF CONCRETE FILL FOR LINTEL & ROOF BEAMS SHALL BE M25.
9. FOR INFILL GROUTING WITHIN THE HOLLOW CORES WHERE REBAR IS PROVIDED SELF–COMPACTING GROUT OF GRADE M25 WITH ADEQUATE SLUMP, FOLLOWING PROVISIONS OF ASTM C476 OR EQUIVALENT AND WITH SUITABLE ADMIXTURES TO ATTAIN REQUIRED PLASTICITY AND SHRINKAGE PREVENTION SHALL BE ADOPTED.
10. FGL SHALL BE AT EL(–)0.300 LVL.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK–A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK–A) : P001–DD–CV–A001–(2 SHEETS)
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK–A) : P001–DD–CV–A005(SHT–2 TO SHT–6)
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK–A) : P001–DD–CV–A003
4. FLOOR AND ROOF BEAM,SLAB LAYOUT (BLOCK–A) : P001–DD–CV–A004

LEGEND:-

FGL – FLOOR GROUND LEVEL
EL – ELEVATION LEVEL
TYP – TYPICAL
DRG – DRAWING
N – NORTH
CJ – CONSTRUCTION JOINT
CMU – CONCRETE MASONRY UNIT

R.NO	DATE	REVISIONS	DRW	CHKD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

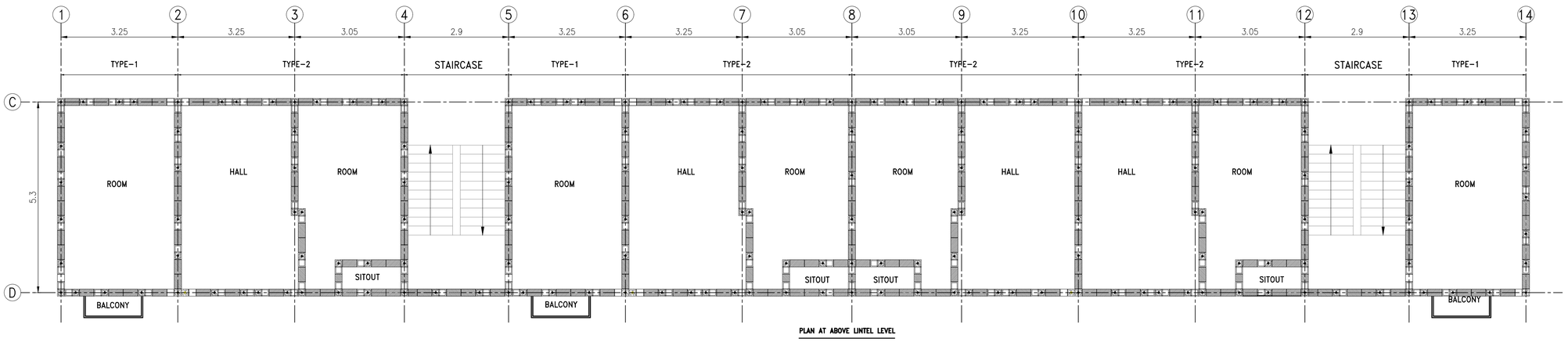
MASONRY WALL LAYOUT AND DETAILS (BLOCK–A)(SHEET 1 OF 6)

FIRST ANGLE PROJECTION	SCALE	DRAWING NO.
	AS SHOWN	P001-DD-CV-A005
		CAD–DWG.NO. / SIZE–A1

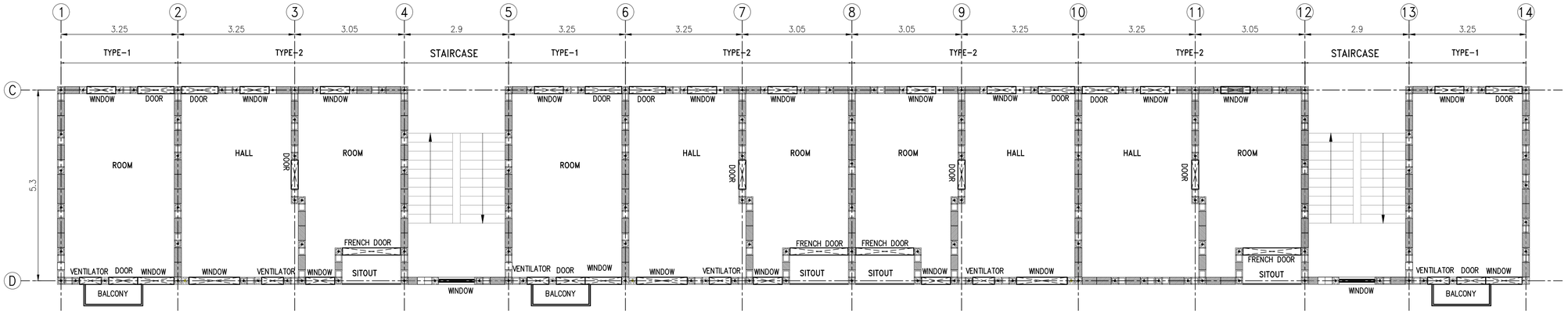
APPROVED:

R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

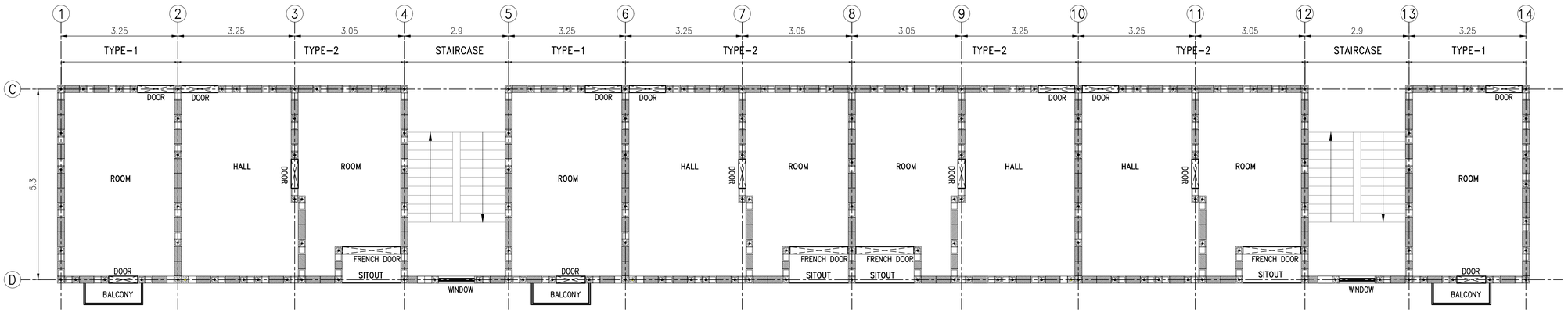
DATE	11.03.2024
DRAWN	JSB
DESIGN	V.DEEPTHA
REVISION	0



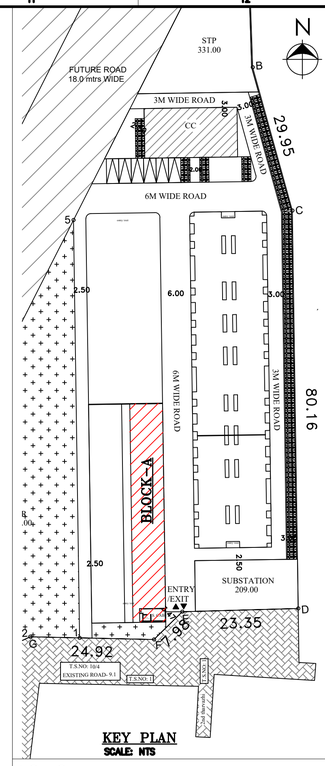
PLAN AT ABOVE LINTEL LEVEL



PLAN AT VENTILATOR LEVEL



PLAN AT FLOOR LEVEL



KEY PLAN
SCALE: NTS

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 500.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. THE REINFORCEMENT IN HOLLOW-BLOCK CONCRETE MASONRY WALL SHALL BE PROVIDED AT THE CENTRE OF OPENING OF CMU AS INDICATED IN DRAWING.
6. GRADE OF MASONRY SHALL BE 15 MPa.
7. GRADE OF MORTAR SHALL BE 18 MPa.
8. GRADE OF CONCRETE FILL FOR LINTEL & ROOF BEAMS SHALL BE M25.
9. FOR INFILL GROUTING WITHIN THE HOLLOW CORES WHERE REBAR IS PROVIDED SELF-COMPACTING GROUT OF GRADE M25 WITH ADEQUATE SLUMP, FOLLOWING PROVISIONS OF ASTM C476 OR EQUIVALENT AND WITH SUITABLE ADMIXTURES TO ATTAIN REQUIRED PLASTICITY AND SHRINKAGE PREVENTION SHALL BE ADOPTED.
10. FGL SHALL BE AT EL(-)0.300 LVL.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A001-(2 SHEETS)
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-A) : P001-DD-CV-A005(SHT-1 & SHT-3 TO SHT-6)
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK-A) : P001-DD-CV-A003
4. FLOOR AND ROOF BEAM,SLAB LAYOUT (BLOCK-A) : P001-DD-CV-A004

LEGEND:-

FGL - FLOOR GROUND LEVEL
EL - ELEVATION LEVEL
TYP - TYPICAL
DRG - DRAWING
N - NORTH
CJ - CONSTRUCTION JOINT
CMU - CONCRETE MASONRY UNIT

R.NO	DATE	REVISIONS	DRW	CHKD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

MASONRY WALL LAYOUT AND DETAILS (BLOCK-A)(SHEET 2 OF 6)

FIRST ANGLE PROJECTION	SCALE	DRAWING NO.	
	AS SHOWN	P001-DD-CV-A005	
		CAD-DWG.NO.	SIZE-A1

DATE	11.03.2024
DRAWN	JSB
DESIGN	V.DEEPTHA
REVISION	0

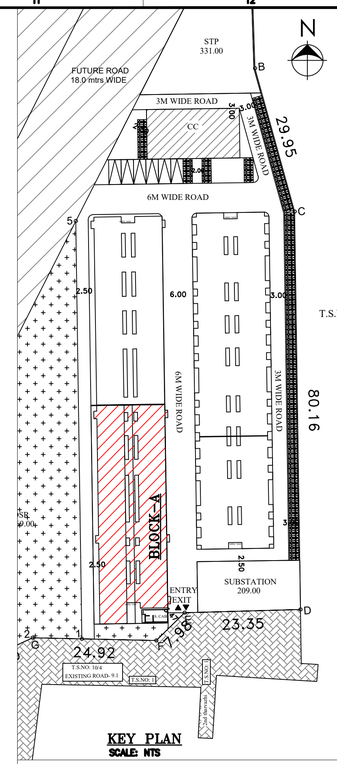
APPROVED:

R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

THIS DRAWING IS TO BE READ IN CONJUNCTION
WITH DRG.NO: P001-DD-CV-A005(SHT-1 & SHT-3 TO SHT-6)



ELEVATION ALONG GRID–A (VIEW FROM BUILDING OUTSIDE)



NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 500.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. THE REINFORCEMENT IN HOLLOW–BLOCK CONCRETE MASONRY WALL SHALL BE PROVIDED AT THE CENTRE OF OPENING OF CMU AS INDICATED IN DRAWING.
6. GRADE OF MASONRY SHALL BE 15 MPa.
7. GRADE OF MORTAR SHALL BE 18 MPa.
8. GRADE OF CONCRETE FILL FOR LINTEL & ROOF BEAMS SHALL BE M25.
9. FOR INFILL GROUTING WITHIN THE HOLLOW CORES WHERE REBAR IS PROVIDED SELF–COMPACTING GROUT OF GRADE M25 WITH ADEQUATE SLUMP, FOLLOWING PROVISIONS OF ASTM C476 OR EQUIVALENT AND WITH SUITABLE ADMIXTURES TO ATTAIN REQUIRED PLASTICITY AND SHRINKAGE PREVENTION SHALL BE ADOPTED.
10. FGL SHALL BE AT EL(–)0.300 LVL.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK–A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK–A) : P001–DD–CV–A001–SH 2 OF 2
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK–A) : P001–DD–CV–A005 (SHT–1, SHT–2, SHT–4 TO SHT–6)
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK–A) : P001–DD–CV–A003
4. FLOOR AND ROOF BEAM,SLAB LAYOUT (BLOCK–A) : P001–DD–CV–A004

LEGEND:-

FGL – FLOOR GROUND LEVEL
EL – ELEVATION LEVEL
TYP – TYPICAL
DRG – DRAWING
N – NORTH
CJ – CONSTRUCTION JOINT
BOF – BOTTOM OF FOOTING
CMU – CONCRETE MASONRY UNIT

R.NO	DATE	REVISIONS	DRW	CHKD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

WALL LAYOUT AND DETAILS (BLOCK–A)(SHEET 3 OF 6)

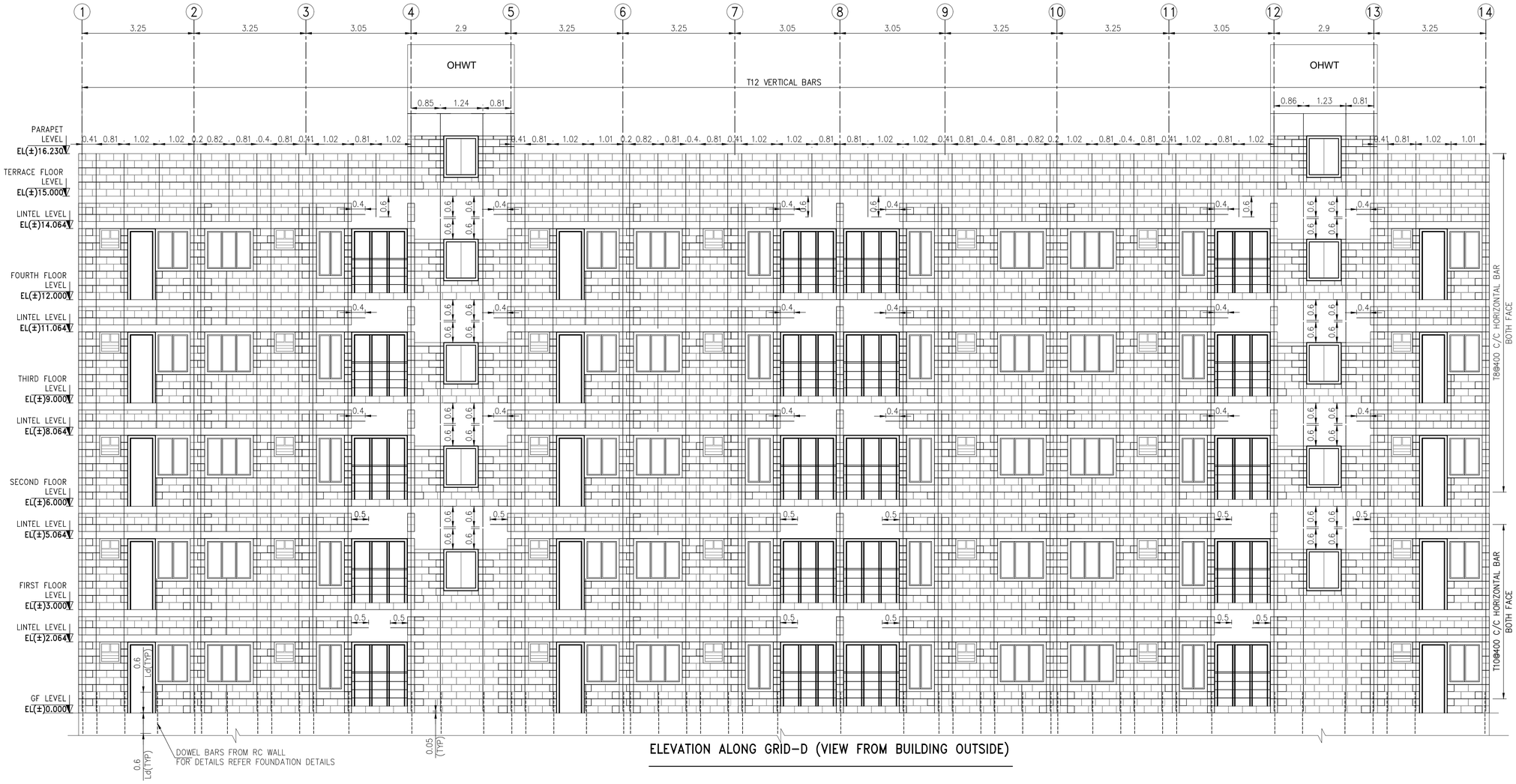
FIRST ANGLE PROJECTION	SCALE	DRAWING NO.
	AS SHOWN	P001-DD-CV-A005
		CAD–DWG.NO. / SIZE–A1

APPROVED:

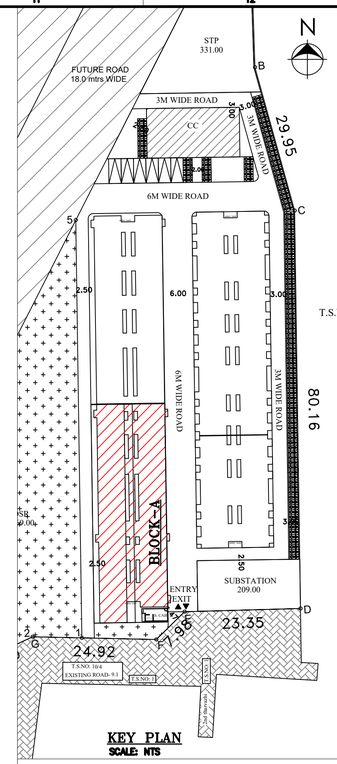
R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

DATE	11.03.2024
DRAWN	JSB
DESIGN	V.DEEPTHA
REVISION	0

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG.NO: P001–DD–CV–A005(SHT–1, SHT–2, SHT–4 TO SHT–6)



ELEVATION ALONG GRID–D (VIEW FROM BUILDING OUTSIDE)



KEY PLAN
SCALE: NTS

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 500.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. THE REINFORCEMENT IN HOLLOW–BLOCK CONCRETE MASONRY WALL SHALL BE PROVIDED AT THE CENTRE OF OPENING OF CMU AS INDICATED IN DRAWING.
6. GRADE OF MASONRY SHALL BE 15 MPa.
7. GRADE OF MORTAR SHALL BE 18 MPa.
8. GRADE OF CONCRETE FILL FOR LINTEL & ROOF BEAMS SHALL BE M25.
9. FOR INFILL GROUTING WITHIN THE HOLLOW CORES WHERE REBAR IS PROVIDED SELF–COMPACTING GROUT OF GRADE M25 WITH ADEQUATE SLUMP, FOLLOWING PROVISIONS OF ASTM C476 OR EQUIVALENT AND WITH SUITABLE ADMIXTURES TO ATTAIN REQUIRED PLASTICITY AND SHRINKAGE PREVENTION SHALL BE ADOPTED.
10. FGL SHALL BE AT EL(–)0.300 LVL.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK–A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK–A) : P001–DD–CV–A001–SH 2 OF 2
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK–A) : P001–DD–CV–A005(SHT–1 TO SHT–3, SHT–5 & SHT–6)
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK–A) : P001–DD–CV–A003
4. FLOOR AND ROOF BEAM,SLAB LAYOUT (BLOCK–A) : P001–DD–CV–A004

LEGEND:-

FGL – FLOOR GROUND LEVEL
EL – ELEVATION LEVEL
TYP – TYPICAL
DRG – DRAWING
N – NORTH
CJ – CONSTRUCTION JOINT
BOF – BOTTOM OF FOOTING
CMU – CONCRETE MASONRY UNIT

R.NO	DATE	REVISIONS	DRW	CHKD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

WALL LAYOUT AND DETAILS (BLOCK–A)(SHEET 4 OF 6)

FIRST ANGLE PROJECTION	SCALE	DRAWING NO.
	AS SHOWN	P001-DD-CV-A005
	CAD–DWG.NO.	SIZE–A1

APPROVED:

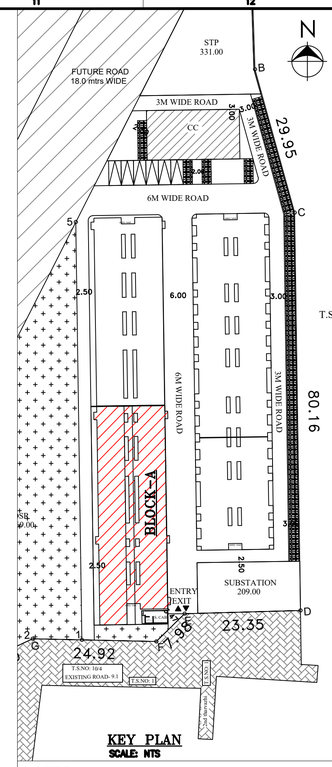
DATE	11.03.2024
DRAWN	JSB
DESIGN	V.DEEPTHA
REVISION	0

R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

THIS DRAWING IS TO BE READ IN CONJUNCTION
WITH DRG.NO: P001–DD–CV–A005(SHT–1 TO SHT–3, SHT–5 & SHT–6)



ELEVATION ALONG GRID-B & C (VIEW FROM BUILDING INSIDE)



NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 500.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. THE REINFORCEMENT IN HOLLOW-BLOCK CONCRETE MASONRY WALL SHALL BE PROVIDED AT THE CENTRE OF OPENING OF CMU AS INDICATED IN DRAWING.
6. GRADE OF MASONRY SHALL BE 15 MPa.
7. GRADE OF MORTAR SHALL BE 18 MPa.
8. GRADE OF CONCRETE FILL FOR LINTEL & ROOF BEAMS SHALL BE M25.
9. FOR INFILL GROUTING WITHIN THE HOLLOW CORES WHERE REBAR IS PROVIDED SELF-COMPACTING GROUT OF GRADE M25 WITH ADEQUATE SLUMP, FOLLOWING PROVISIONS OF ASTM C476 OR EQUIVALENT AND WITH SUITABLE ADMIXTURES TO ATTAIN REQUIRED PLASTICITY AND SHRINKAGE PREVENTION SHALL BE ADOPTED.
10. FGL SHALL BE AT EL(-)0.300 LVL.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A001-SH 2 OF 2
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-A) : P001-DD-CV-A005 (SHT-1 TO SHT-4 & SHT-6)
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK-A) : P001-DD-CV-A003
4. FLOOR AND ROOF BEAM,SLAB LAYOUT (BLOCK-A) : P001-DD-CV-A004

LEGEND:-

FGL - FLOOR GROUND LEVEL
EL - ELEVATION LEVEL
TYP - TYPICAL
DRG - DRAWING
N - NORTH
CJ - CONSTRUCTION JOINT
BOF - BOTTOM OF FOOTING
CMU - CONCRETE MASONRY UNIT

R.NO	DATE	REVISIONS	DRW	CHKD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

WALL LAYOUT AND DETAILS (BLOCK-A)(SHEET 5 OF 6)

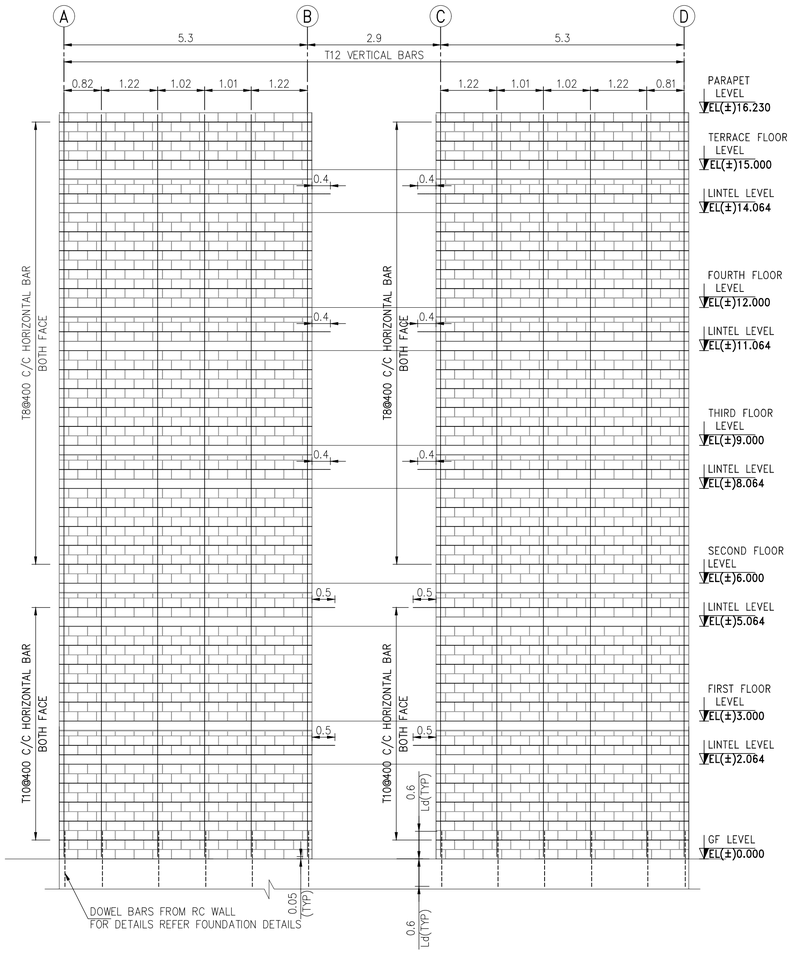
FIRST ANGLE PROJECTION	SCALE	DRAWING NO.
	AS SHOWN	P001-DD-CV-A005
		CAD-DWG.NO. / SIZE-A1

DATE	11.03.2024
DRAWN	JSB
DESIGN	V.DEEPTHA
REVISION	0

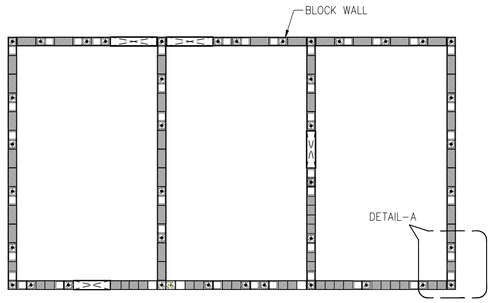
APPROVED:

R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

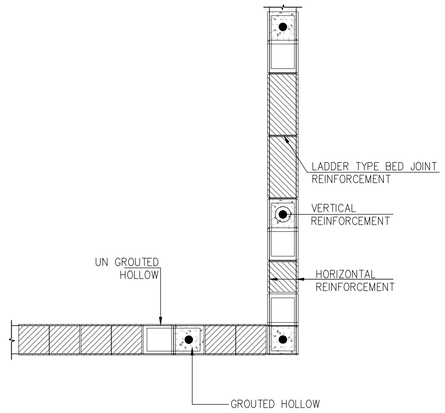
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG.NO: P001-DD-CV-A005(SHT-1 TO SHT-4 & SHT-6)



ELEVATION ALONG GRID-1 (VIEW FROM BUILDING OUTSIDE)

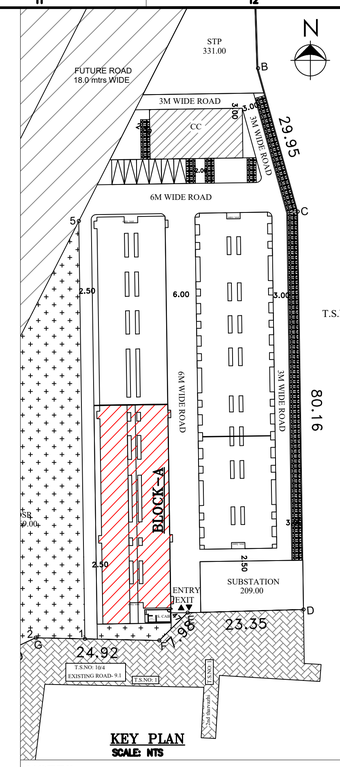


TYPICAL LADDER DETAILS



DETAIL-A

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG.NO: P001-DD-CV-A005(SHT-1 TO SHT-5)



KEY PLAN
SCALE: NTS

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 500.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. THE REINFORCEMENT IN HOLLOW-BLOCK CONCRETE MASONRY WALL SHALL BE PROVIDED AT THE CENTRE OF OPENING OF CMU AS INDICATED IN DRAWING.
6. GRADE OF MASONRY SHALL BE 15 MPa.
7. GRADE OF MORTAR SHALL BE 18 MPa.
8. GRADE OF CONCRETE FILL FOR LINTEL & ROOF BEAMS SHALL BE M25.
9. FOR INFILL GROUTING WITHIN THE HOLLOW CORES WHERE REBAR IS PROVIDED SELF-COMPACTING GROUT OF GRADE M25 WITH ADEQUATE SLUMP, FOLLOWING PROVISIONS OF ASTM C476 OR EQUIVALENT AND WITH SUITABLE ADMIXTURES TO ATTAIN REQUIRED PLASTICITY AND SHRINKAGE PREVENTION SHALL BE ADOPTED.
10. FGL SHALL BE AT EL(-)0.300 LVL.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A001-SH 2 OF 2
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-A) : P001-DD-CV-A005 (SHT-1 TO SHT-5)
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK-A) : P001-DD-CV-A003
4. FLOOR AND ROOF BEAM,SLAB LAYOUT (BLOCK-A) : P001-DD-CV-A004

LEGEND:-

FGL - FLOOR GROUND LEVEL
EL - ELEVATION LEVEL
TYP - TYPICAL
DRG - DRAWING
N - NORTH
CJ - CONSTRUCTION JOINT
BOF - BOTTOM OF FOOTING
CMU - CONCRETE MASONRY UNIT

R.NO	DATE	REVISIONS	DRW	CHKD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

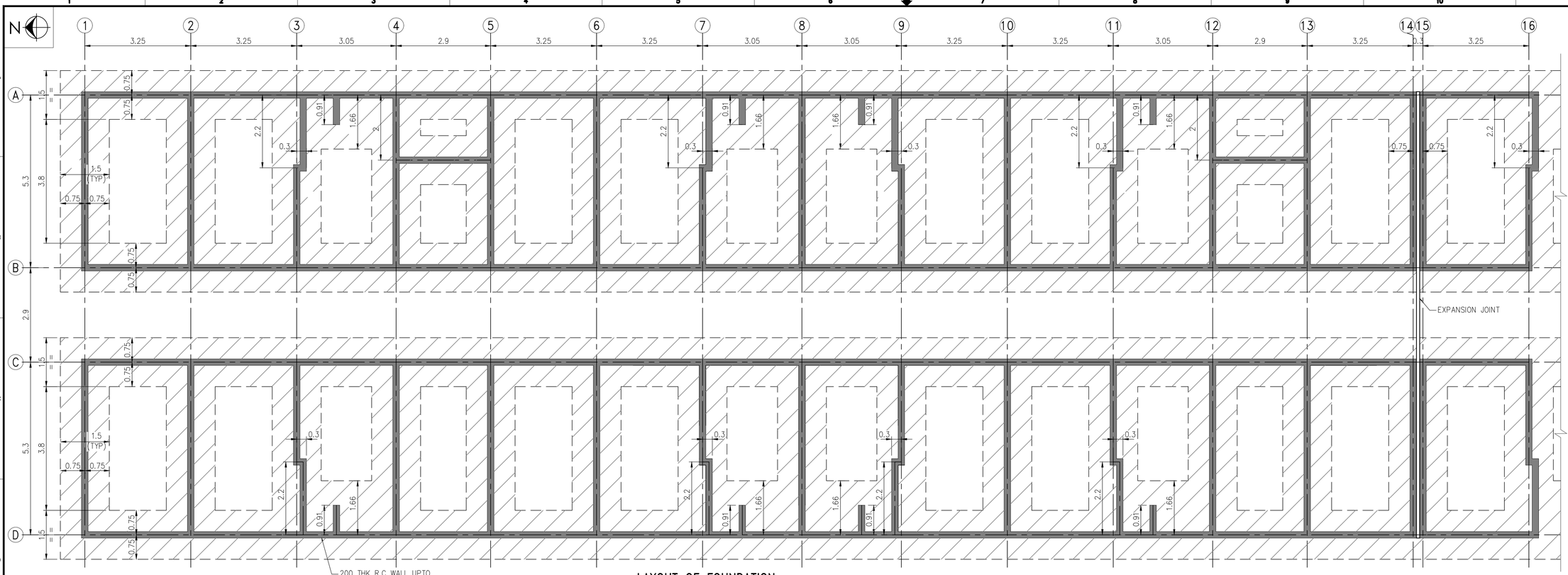
WALL LAYOUT AND DETAILS (BLOCK-A)(SHEET 6 OF 6)

FIRST ANGLE PROJECTION	SCALE	DRAWING NO.	
	AS SHOWN	P001-DD-CV-A005	
		CAD-DWG.NO.	SIZE-A1

DATE	11.03.2024
DRAWN	JSB
DESIGN	V.DEEPTHA
REVISION	0

APPROVED:

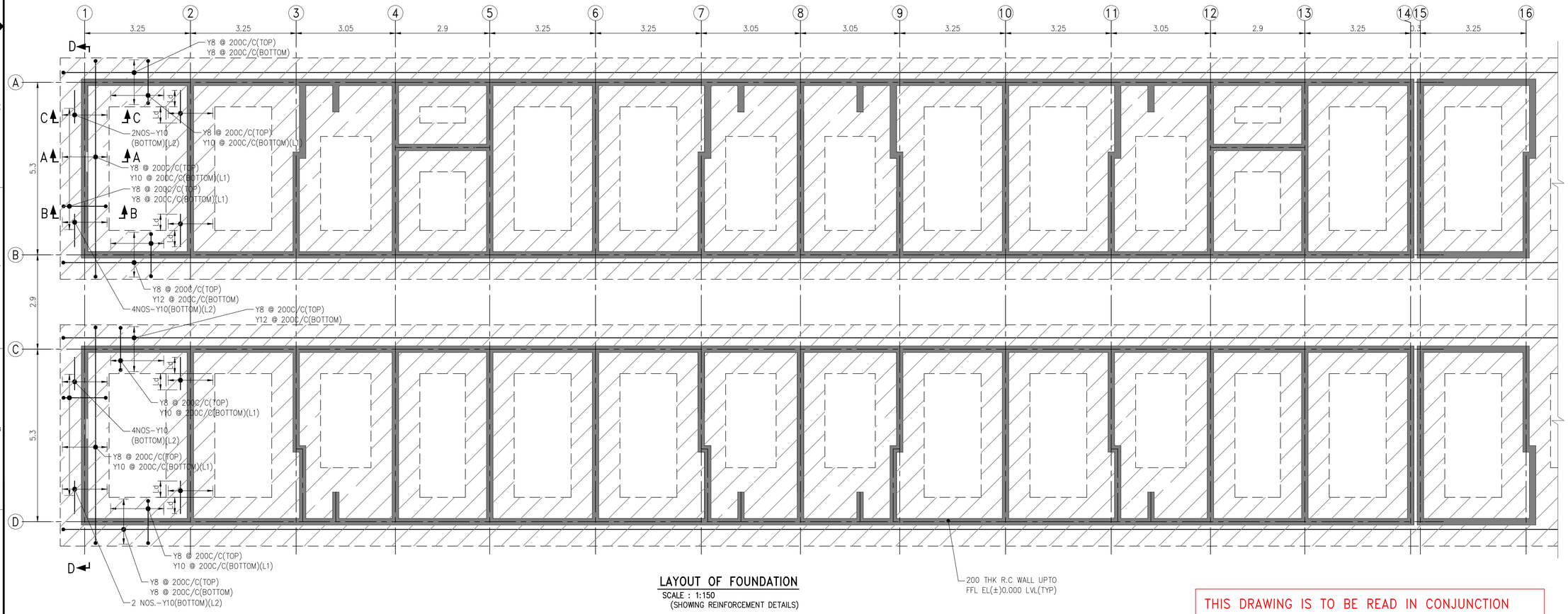
R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.



LAYOUT OF FOUNDATION

SCALE : 1:150

(REINFORCEMENT DETAILS NOT SHOWN FOR CLARITY)

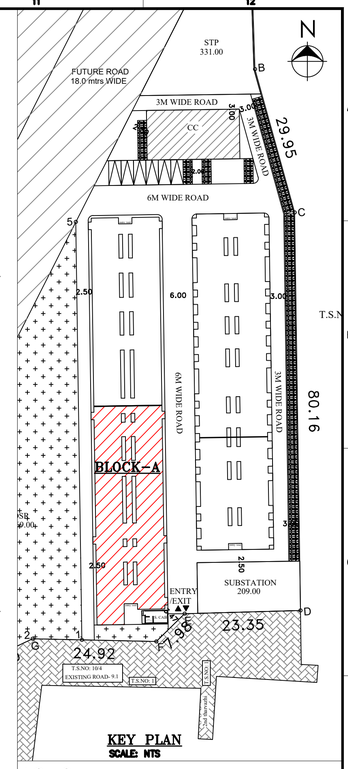


LAYOUT OF FOUNDATION

SCALE : 1:150

(SHOWING REINFORCEMENT DETAILS)

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG.NO: P001-DD-CV-A001(SHEET 2 OF 2)



NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 550D.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 45 TIMES DIA OF THE BAR
5. CLEAR COVER TO THE REINFORCEMENT SHALL BE
   a) FOOTING – 40mm
6. CONCRETE MIX FOR FOUNDATION SHALL BE M35.
7. THE STRUCTURE IS DESIGNED FOR SBC OF 15 T/M ON IMPROVED SOIL. SOIL IMPROVEMENT SHALL BE PERFORMED AS SHOWN IN DETAIL-A REFER DRG NO.: P001-DD-CV-001(SHEET 2 OF 2) AND CERTIFIED BY EIC BEFORE POURING FOUNDATION PCC.
8. PORTLAND-SLAG CEMENT WITH 40-50% REPLACEMENT SHALL BE ADOPTED FOR FOOTING.
9. FGL SHALL BE AT EL(–)0.300 LVL.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-A) :

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A001-SH 2 OF 2
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-A) : P001-DD-CV-A003

LEGEND:-

FGL – FLOOR GROUND LEVEL
EL – ELEVATION LEVEL
TYP – TYPICAL
DRG – DRAWING
N – NORTH
CJ – CONSTRUCTION JOINT
BOF – BOTTOM OF FOOTING

R.NO	DATE	REVISIONS	DRW	CHKD
01	11-03-2024	ISSUED FOR REVIEW	JSB	VD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

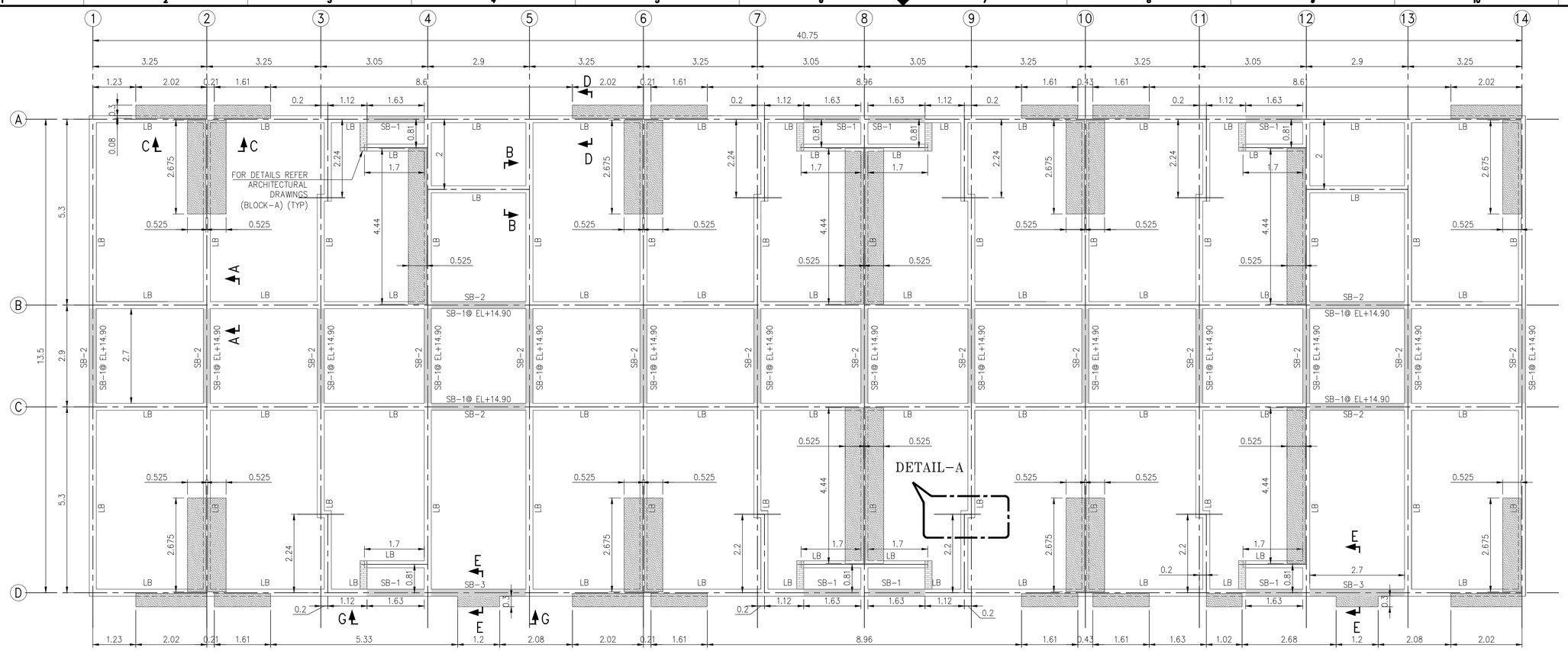
FOUNDATION LAYOUT AND DETAILS (BLOCK-A)(SHEET 1 OF 2)

FIRST ANGLE PROJECTION	SCALE	DRAWING NO.
	AS SHOWN	P001-DD-CV-001
		CAD-DWG.NO. / SIZE-A1

APPROVED:

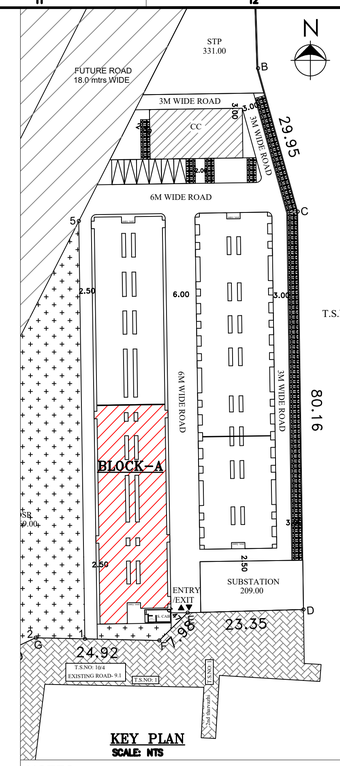
R. BALAJI
M.Tech; M.B.A.,
CHIEF CONSULTANT.

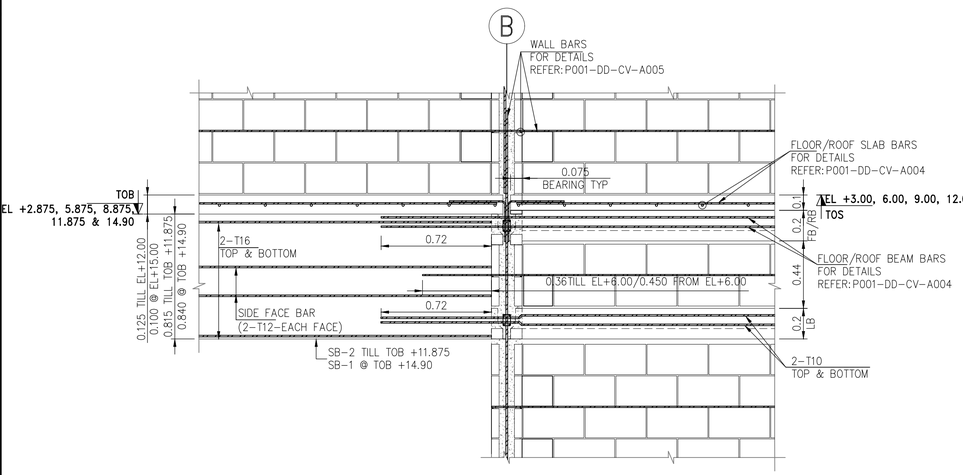
DATE	11.03.2024
DRAWN	JSB
DESIGN	V.DEEPTHA
REVISION	01



LINTEL BEAM LAYOUT & SPANDREL BEAM LAYOUT

SCALE : 15:1

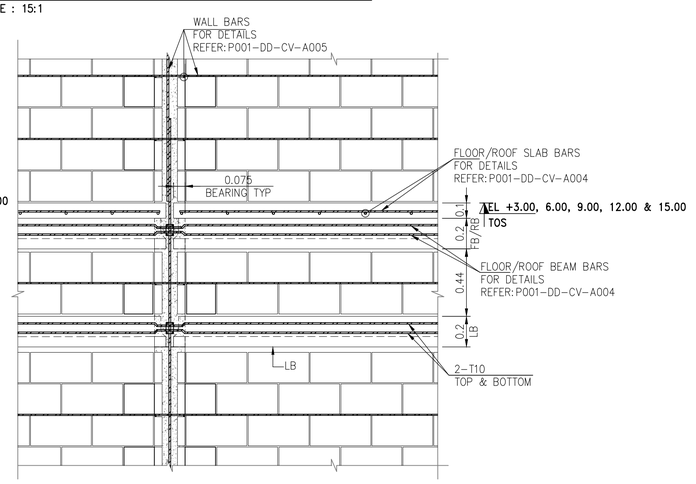




SECTION A-A

SCALE : 50:1

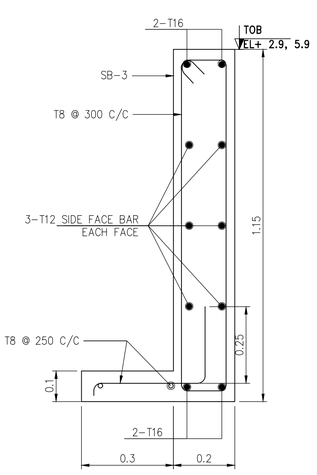
(SHEAR REINFORCEMENT ARE NOT SHOWN FOR



SECTION B-B

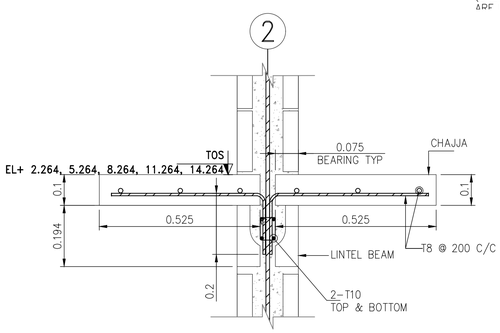
SCALE : 50:1

(SHEAR REINFORCEMENT



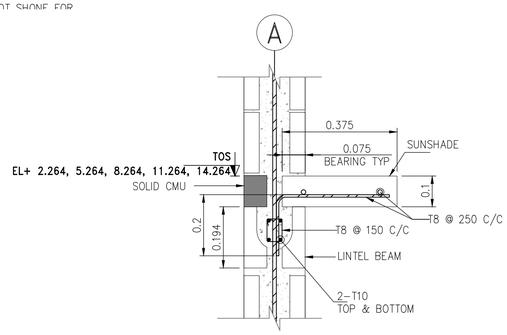
SECTION E-E

SCALE : 100:1



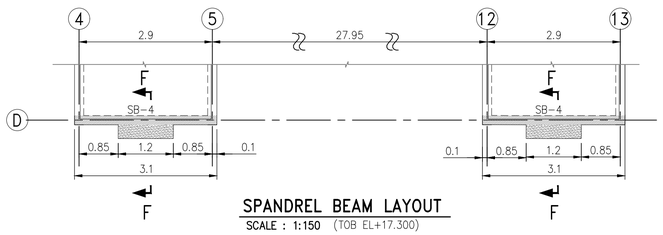
SECTION C-C

SCALE : 100:1



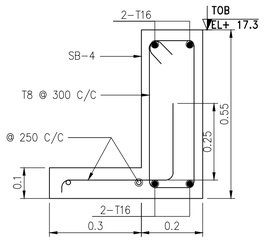
SECTION D-D

SCALE : 100:1



SPANDREL BEAM LAYOUT

SCALE : 1:150 (TOB EL+17.300)



SECTION F-F

SCALE : 100:1

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG.NO: P001-DD-CV-A003(SHT-2)

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 550D.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 72 TIMES DIA OF THE BAR
5. CLEAR COVER TO THE REINFORCEMENT SHALL BE
   A) LINTEL BEAM - 40mm B) SPANDREL BEAM - 40mm
   C) CHAJJA & SUNSHADE - 40mm
6. CONCRETE MIX FOR LINTEL & SPANDREL BEAM SHALL BE M25.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A001-2 SHEETS
2. LINTEL AND SPANDREL BEAM LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A003(SHT-2)
3. FLOOR BEAM & SLAB LAYOUT (BLOCK-A) : P001-DD-CV-A004-3 SHEETS
4. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-A) : P001-DD-CV-A005-6 SHEETS

LEGEND:-

FGL - FLOOR GROUND LEVEL	TOS - TOP OF SLAB	FB - FLOOR BEAM	
EL - ELEVATION LEVEL	TOB - TOP OF BEAM	RB - ROOF BEAM	
TYP - TYPICAL	LB - LINTEL BEAM	CMU - CONCRETE MASONRY UNIT	
DRG - DRAWING	SB - SPANDREL BEAM		
N - NORTH	WALL BELOW		
CJ - CONSTRUCTION JOINT	CHAJJA & SUNSHADE		

R.NO	DATE	REVISIONS	DRW	CHKD
01	11-04-2024	ISSUED FOR REVIEW	SUK	VD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

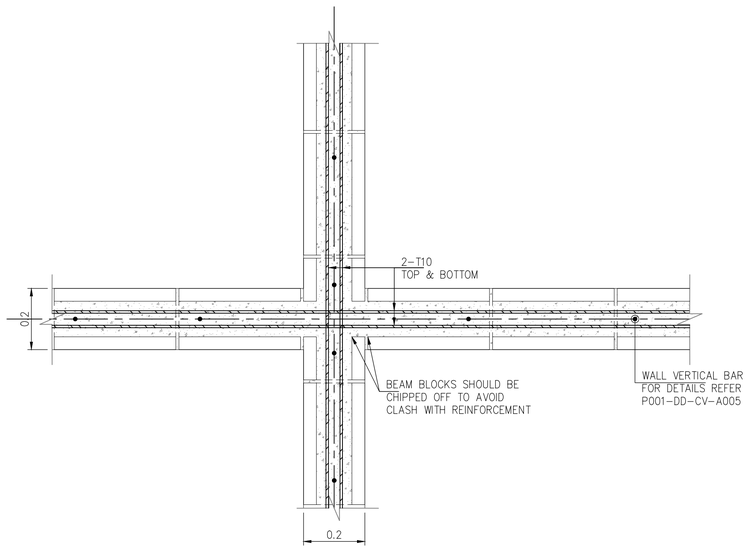
DRAWING TITLE
LINTEL AND SPANDREL BEAM LAYOUT AND DETAILS (BLOCK-A) (SHEET 1 OF 2)

FIRST ANGLE PROJECTION	SCALE	DRAWING NO.	SIZE-A1
	AS SHOWN	P001-DD-CV-A003	
		CAD-DWG.NO.	

APPROVED:

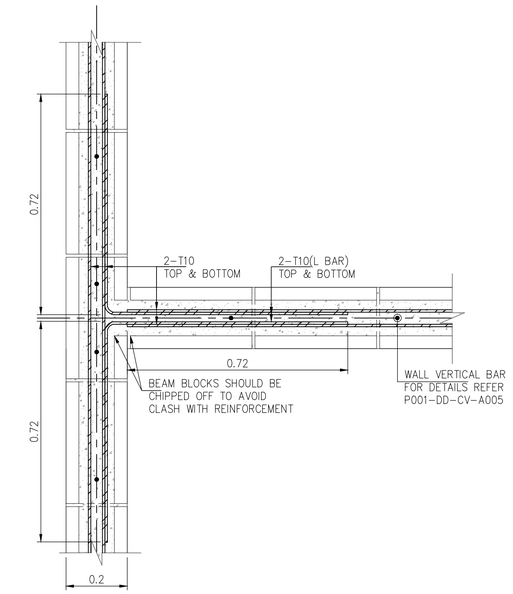
DATE	11.04.2024
DRAWN	SUK
DESIGN	V.DEEPTHA
REVISION	01

R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.



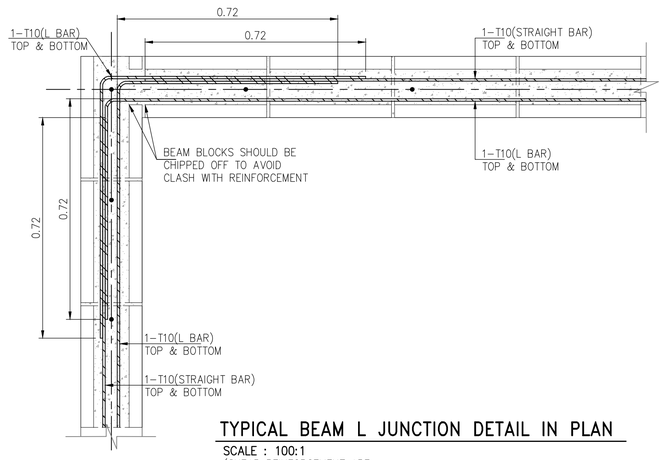
TYPICAL BEAM INTERSECTION DETAIL IN PLAN

SCALE : 100:1
(SHEAR REINFORCEMENT ARE
NOT SHONE FOR CLARITY)



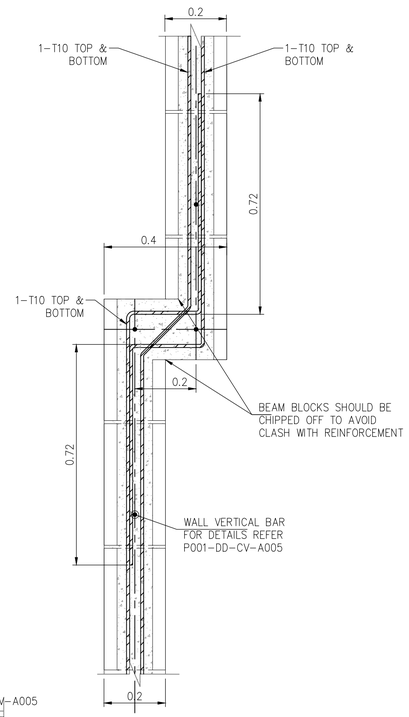
TYPICAL BEAM T JUNCTION DETAIL IN PLAN

SCALE : 100:1
(SHEAR REINFORCEMENT ARE
NOT SHONE FOR CLARITY)



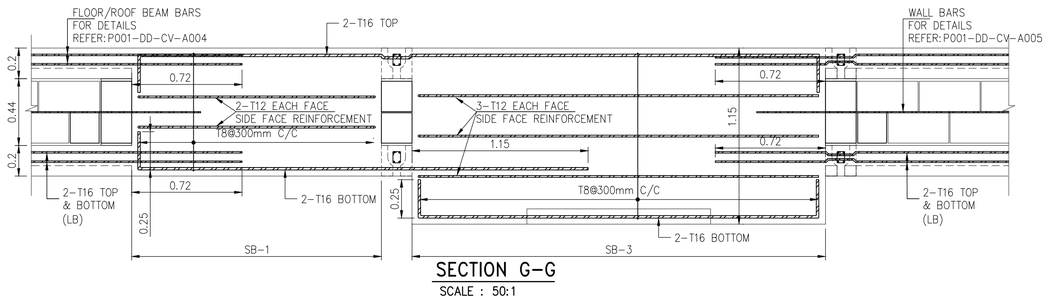
TYPICAL BEAM L JUNCTION DETAIL IN PLAN

SCALE : 100:1
(SHEAR REINFORCEMENT ARE
NOT SHONE FOR CLARITY)



DETAIL-A

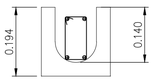
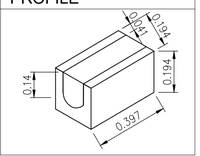
SCALE : 100:1
(SHEAR REINFORCEMENT ARE
NOT SHONE FOR CLARITY)



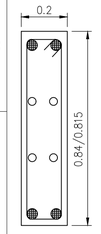
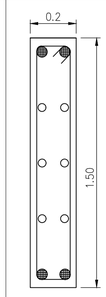
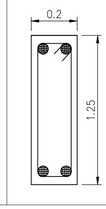
SECTION G-G

SCALE : 50:1

LINTEL BEAM SCHEDULE

BEAM. NO	BEAM SIZE	LONGITUDINAL BAR	SHEAR REINFORCEMENT	TOP OF BEAM	BEAM SECTION	TIES PROFILE	LINTEL BEAM U BLOCK PROFILE
LB	0.20 x 0.2	2-T10 ●	T8@150MM C/C	EL+ 2.264, 5.264, 8.264, 11.264, 14.264			

SPANDREL BEAM SCHEDULE

BEAM. NO	BEAM SIZE	LONGITUDINAL BAR	SIDE FACE REINFORCEMENT	SHEAR REINFORCEMENT	TOP OF BEAM	BEAM SECTION	TIES PROFILE
SB1	0.20x 0.84	2-T16 ●	2-T12 ○ EACH FACE	T8@300MM C/C	EL+ 2.9, 5.9, 8.9, 11.9, 14.9		
SB2	0.20x 0.815	2-T16 ●	2-T12 ○ EACH FACE	T8@300MM C/C	EL+ 2.875, 5.875, 8.875, 11.875		
SB3	0.20x 1.150	2-T16 ●	3-T12 ○ EACH FACE	T8@300MM C/C	EL+ 2.9, 5.9, 8.9, 11.9, 14.9		
SB4	0.20x 0.55	2-T16 ●	NA	T8@300MM C/C	EL+ 17.300		

CHAJJA & SUNSHADE REINFORCEMENT SCHEDULE

SLAB. NO	SLAB THICKNESS	MAIN REINFORCEMENT	SECONDARY REINFORCEMENT
CHAJJA	100mm	T8@200MM C/C	T8@200MM C/C
SUNSHADE	100mm	T8@250MM C/C	T8@250MM C/C

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. FOR ALL OTHER NOTEDS REFER P001-DD-CV-A003(SHT-1)

CONSTRUCTION REFERENCE:-

1. LINTEL AND SPANDREL BEAM LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A003(SHT-1)

R.NO	DATE	REVISIONS	DRW	CHKD
01	11-04-2024	ISSUED FOR REVIEW	SUK	VD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE
LINTEL AND SPANDREL BEAM LAYOUT AND DETAILS (BLOCK-A) (SHEET 2 OF 2)

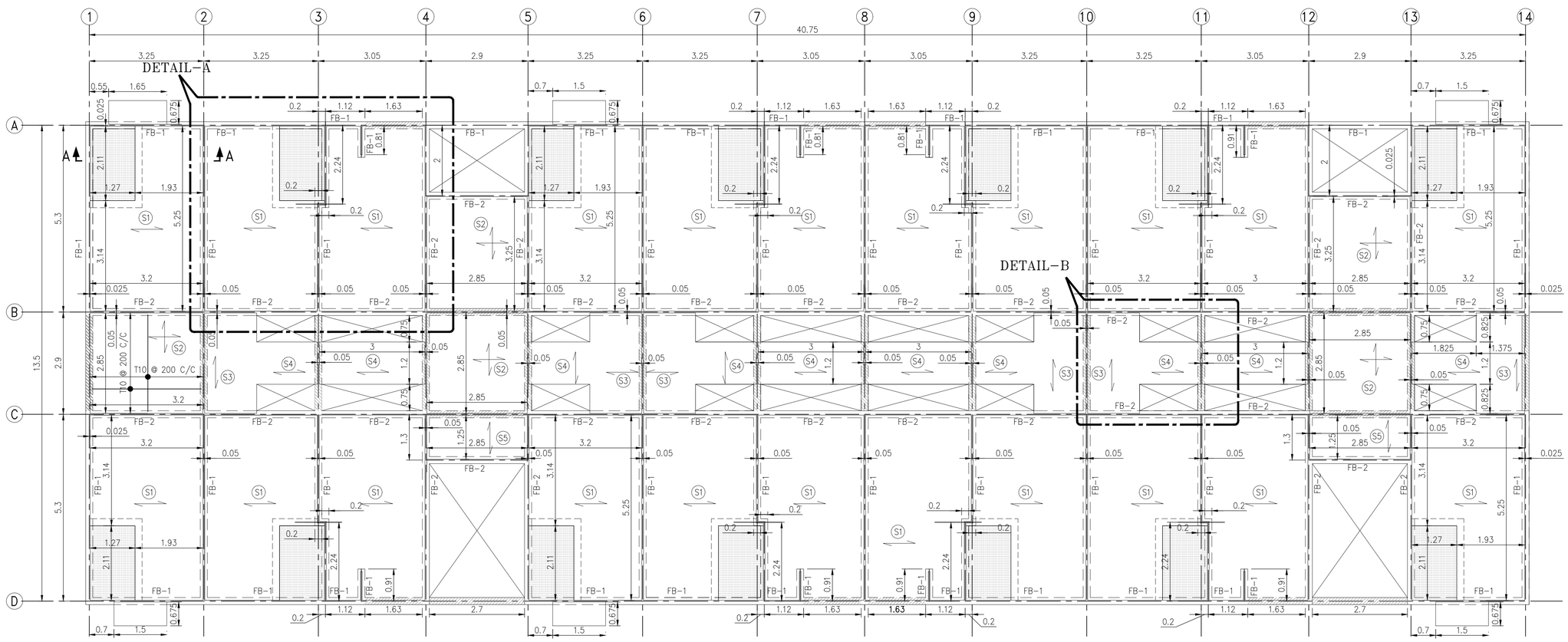
FIRST ANGLE PROJECTION	SCALE	DRAWING NO.	
	AS SHOWN	P001-DD-CV-A003	
		CAD-DWG.NO.	SIZE-A1

APPROVED:

DATE	11.04.2024
DRAWN	SUK
DESIGN	V.DEEPTHA
REVISION	01

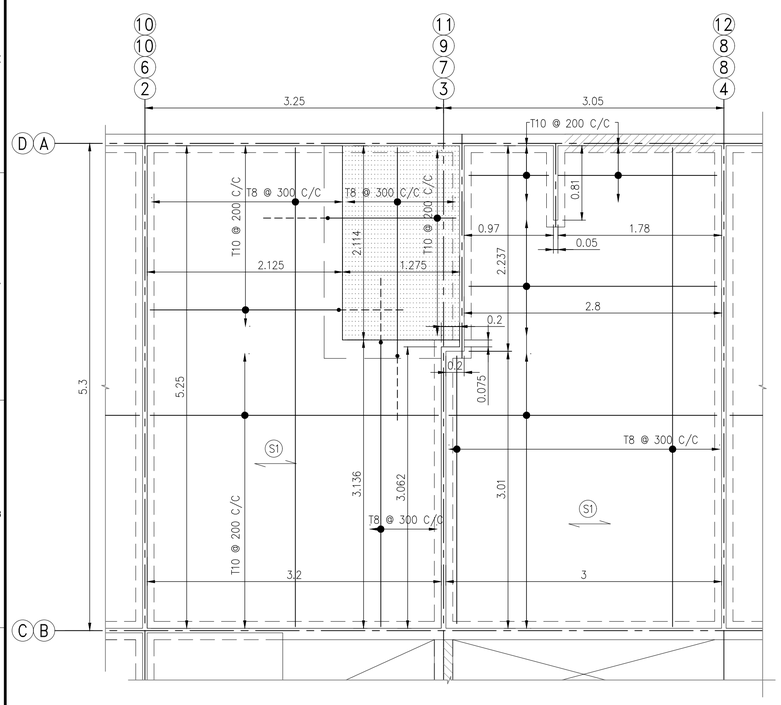
R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG.NO: P001-DD-CV-A001(SHT-1)



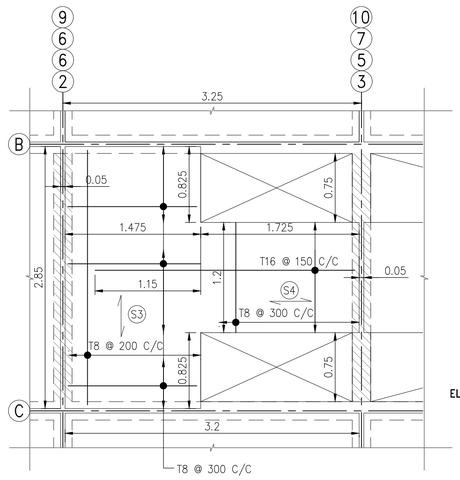
FLOOR SLAB & BEAM LAYOUT (TOS AT EL +3.00, 6.00, 9.00 & 12.00)

SCALE : 15:1 — SUNKEN SLAB



DETAIL-A (TYPICAL REINFORCEMENT DETAIL OF S1 SLAB)

SCALE : 30:1

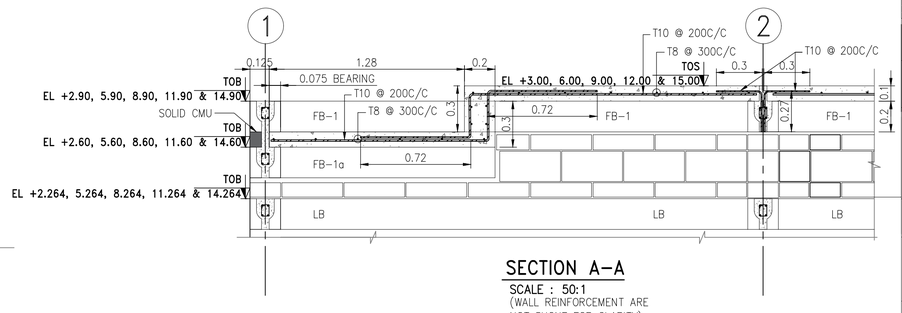


DETAIL-B (TYPICAL REINFORCEMENT DETAIL OF S3 & S4 SLAB)

SCALE : 30:1

SLAB REINFORCEMENT SCHEDULE

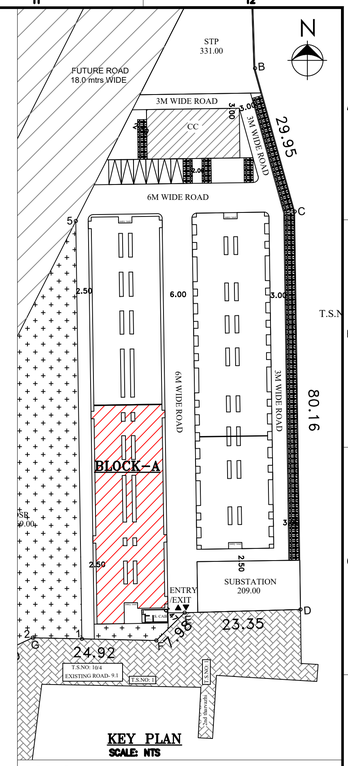
SLAB. NO	SLAB THICKNESS	MAIN REINFORCEMENT	SECONDARY REINFORCEMENT	SLAB TYPE
S1	100mm	T10@200MM C/C	T8@300MM C/C	ONE WAY
S2	125mm	T10@200MM C/C	T10@200MM C/C	TWO WAY
S3	125mm	T8@200MM C/C	T8@300MM C/C	ONE WAY
S4	125mm	T16@150MM C/C	T8@300MM C/C	ONE WAY
S5	125mm	T8@200MM C/C	T8@300MM C/C	ONE WAY



SECTION A-A

SCALE : 50:1
(WALL REINFORCEMENT ARE NOT SHONE FOR CLARITY)

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG.NO: P001-DD-CV-A004(SHT-2 & SHT-3)



NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 550D.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 72 TIMES DIA OF THE BAR
5. CLEAR COVER TO THE REINFORCEMENT SHALL BE
   a) BEAM – 40mm b) SLAB – 40mm
6. CONCRETE MIX FOR BEAM & SLAB SHALL BE M25.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A001-(2 SHEETS)
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-A) : P001-DD-CV-A005
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK-A) : P001-DD-CV-A003
4. FLOOR AND ROOF BEAM,SLAB LAYOUT (BLOCK-A) : P001-DD-CV-A004(SHT-2 & SHT-3)

LEGEND:-

FGL – FLOOR GROUND LEVEL
EL – ELEVATION LEVEL
TYP – TYPICAL
DRG – DRAWING
N – NORTH
CJ – CONSTRUCTION JOINT
TOS – TOP OF SLAB
TOB – TOP OF BEAM
LB – LINTEL BEAM
SB – SPANDREL BEAM
– WALL BELOW
– CHAJJA & SUNSHADE
FB – FLOOR BEAM
RB – ROOF BEAM
BB – BAND BEAM
CMU – CONCRETE MASONRY UNIT

R.NO	DATE	REVISIONS	DRW	CHKD
01	11-04-2024	ISSUED FOR REVIEW	SUK	VD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

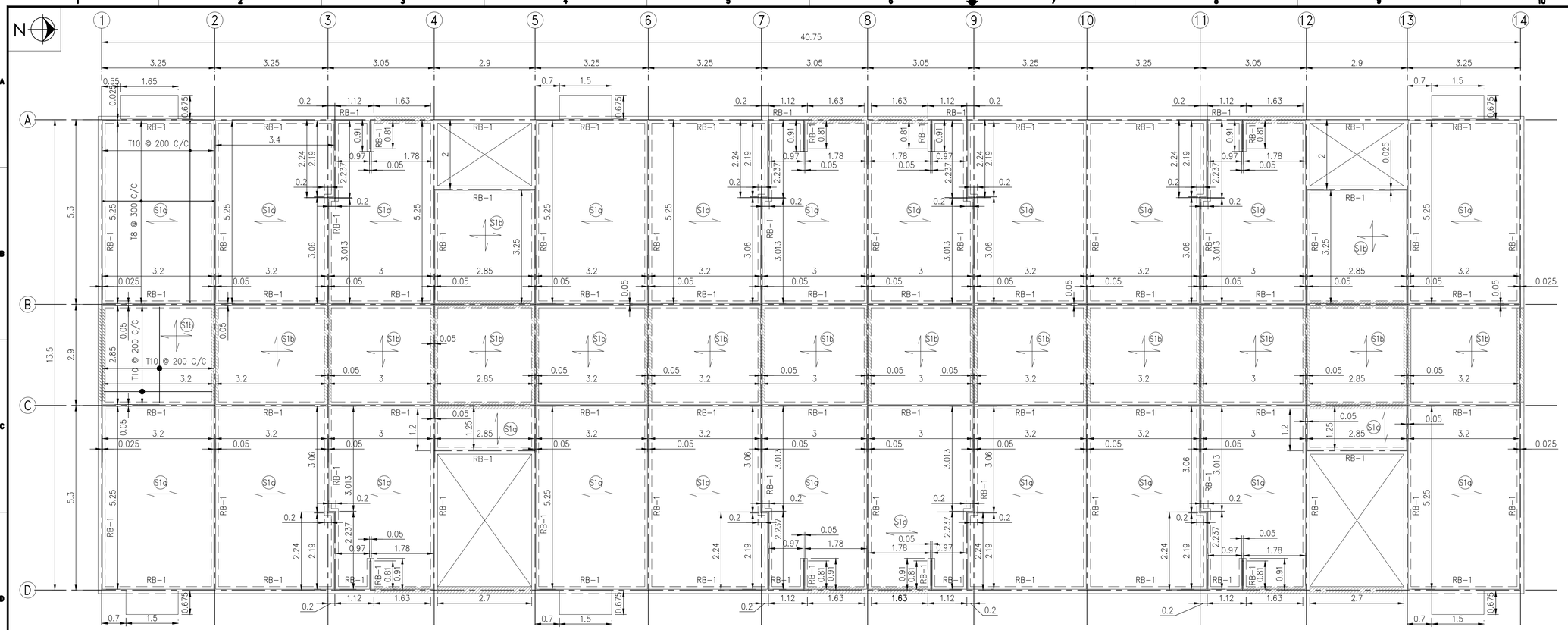
LINTEL BEAM LAYOUT AND DETAILS (BLOCK-A)(SHEET 1 OF 3)

FIRST ANGLE PROJECTION	SCALE	DRAWING NO.	
	AS SHOWN	P001-DD-CV-A004	
		CAD-DWG.NO.	SIZE-A1

APPROVED:

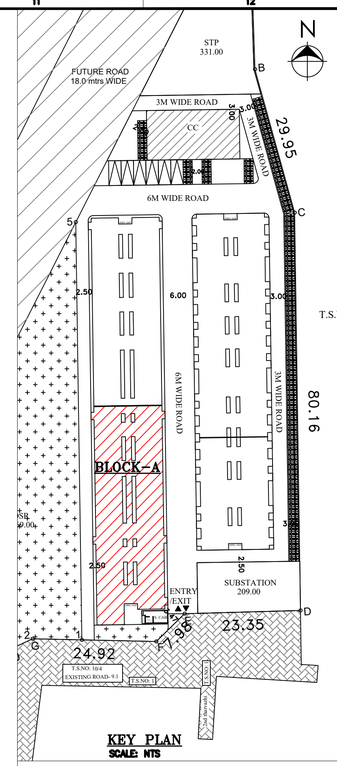
R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

DATE	11.04.2024
DRAWN	SUK
DESIGN	V.DEEPTHA
REVISION	01



ROOF SLAB & BEAM LAYOUT (TOS AT EL +15.000)

SCALE : 1:150 — SPANDREL BEAM (FOR DETAILS REFER P001-DD-CV-A003)



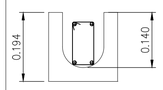
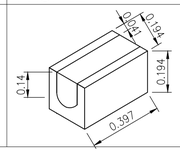
KEY PLAN

SCALE: NTS

SLAB REINFORCEMENT SCHEDULE

SLAB. NO	SLAB THICKNESS	MAIN REINFORCEMENT	SECONDARY REINFORCEMENT	SLAB TYPE
S1a	100mm	T10@200MM C/C	T8@300MM C/C	ONE WAY
S1b	100mm	T10@200MM C/C	T10@200MM C/C	TWO WAY

FLOOR BEAM, ROOF BEAM & BAND BEAM SCHEDULE

BEAM. NO	BEAM SIZE	LONGITUDINAL BAR	SHEAR REINFORCEMENT	TOP OF BEAM	BEAM SECTION	TIES PROFILE	BEAM U BLOCK PROFILE
RB-1	0.20 x 0.2	2-T10 ●	T8@150MM C/C	EL +14.90			

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG.NO: P001-DD-CV-A004(SHT-1 & SHT-2)

NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 550D.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 72 TIMES DIA OF THE BAR
5. CLEAR COVER TO THE REINFORCEMENT SHALL BE
   a) BEAM – 40mm b) SLAB – 40mm
6. CONCRETE MIX FOR BEAM & SLAB SHALL BE M25.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A001-(2 SHEETS)
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-A) : P001-DD-CV-A005
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK-A) : P001-DD-CV-A003
4. FLOOR AND ROOF BEAM,SLAB LAYOUT (BLOCK-A) : P001-DD-CV-A004(SHT-1 & SHT-2)

LEGEND:-

FGL – FLOOR GROUND LEVEL
EL – ELEVATION LEVEL
TYP – TYPICAL
DRG – DRAWING
N – NORTH
CJ – CONSTRUCTION JOINT
TOS – TOP OF SLAB
TOB – TOP OF BEAM
LB – LINTEL BEAM
SB – SPANDREL BEAM
– WALL BELOW
– CHAJJA & SUNSHADE
FB – FLOOR BEAM
RB – ROOF BEAM
BB – BAND BEAM
CMU – CONCRETE MASONRY UNIT

R.NO	DATE	REVISIONS	DRW	CHKD
01	11-04-2024	ISSUED FOR REVIEW	SUK	VD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :
EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

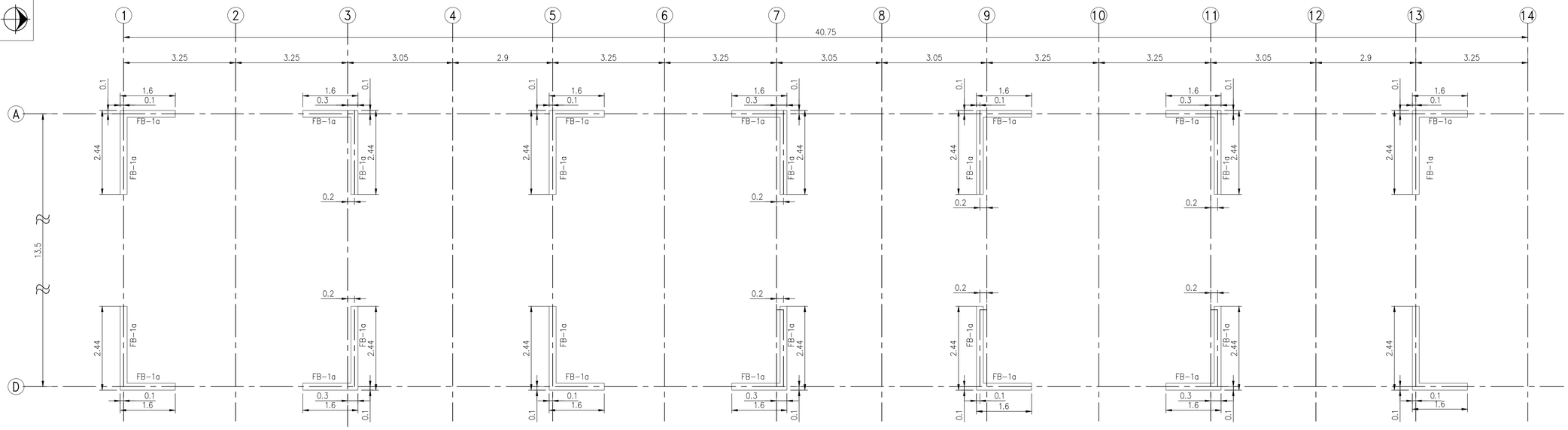
LINTEL BEAM LAYOUT AND DETAILS (BLOCK-A)(SHEET 3 OF 3)

FIRST ANGLE PROJECTION	SCALE	DRAWING NO.	
	AS SHOWN	P001-DD-CV-A004	
		CAD-DWG.NO.	SIZE-A1

APPROVED:

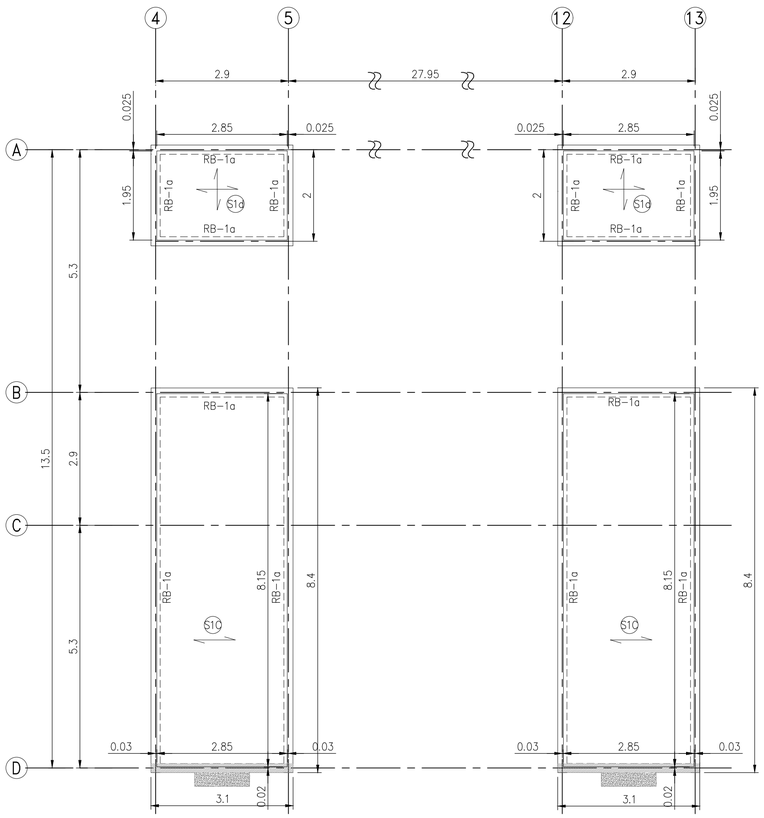
R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.

DATE	11.04.2024
DRAWN	SUK
DESIGN	V.DEEPTHA
REVISION	01



BEAM LAYOUT (TOB AT EL +2.60, 5.60, 8.60 & 11.60)

SCALE : 1:150

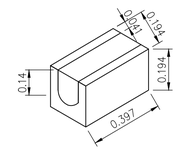


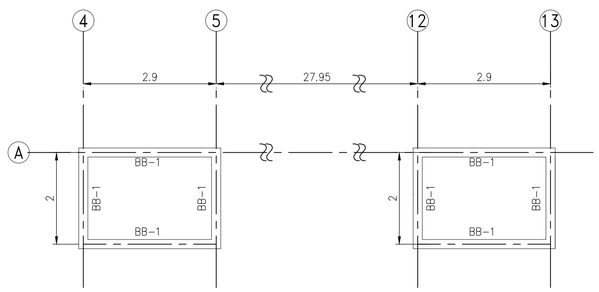
ROOF SLAB & BEAM LAYOUT (TOS AT EL +17.400)

SCALE : 1:150 — SPANDREL BEAM (FOR DETAILS REFER P001-DD-CV-A003)
— SUNSHDE (FOR DETAILS REFER P001-DD-CV-A003)

FLOOR BEAM, ROOF BEAM & BAND BEAM SCHEDULE

BEAM. NO	BEAM SIZE	LONGITUDINAL BAR	SHEAR REINFORCEMENT	TOP OF BEAM	BEAM SECTION	TIES PROFILE	BEAM U BLOCK PROFILE
FB	0.20 x 0.2	2-T10 ●	T8@150MM C/C	EL +2.90, 5.90, 8.90, 11.90	0.194 / 0.140		
FB1a	0.20 x 0.2	2-T10 ●	T8@150MM C/C	EL +2.60, 5.60, 8.60, 11.60	0.194 / 0.140		
FB2	0.20 x 0.2	2-T10 ●	T8@150MM C/C	EL+ 2.875, 5.875, 8.875, 11.875	0.194 / 0.140		
RB-1a	0.20 x 0.2	2-T10 ●	T8@150MM C/C	EL +17.30	0.194 / 0.140		
BB-1	0.20 x 0.2	2-T10 ●	T8@150MM C/C	EL +16.230	0.194 / 0.140		





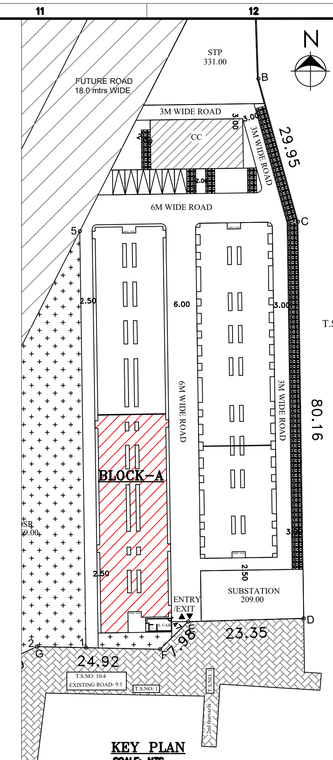
BAND BEAM LAYOUT (TOB AT EL+16.230)

SCALE : 1:150

SLAB REINFORCEMENT SCHEDULE

SLAB. NO	SLAB THICKNESS	MAIN REINFORCEMENT	SECONDARY REINFORCEMENT	SLAB TYPE
S1c	100mm	T10@200MM C/C	T8@300MM C/C	ONE WAY
S1d	100mm	T10@200MM C/C	T10@200MM C/C	TWO WAY

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG.NO: P001-DD-CV-A004(SHT-1 & SHT-3)



NOTES:-

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE NOTED.
2. DO NOT SCALE THIS DRG. FOLLOW THE WRITTEN DIMENSIONS ONLY.
3. GRADE OF REINFORCEMENT SHALL BE Fe 550D.
4. LAP LENGTH TO THE REINFORCEMENT SHALL BE 72 TIMES DIA OF THE BAR
5. CLEAR COVER TO THE REINFORCEMENT SHALL BE
   a) BEAM – 40mm b) SLAB – 40mm
6. CONCRETE MIX FOR BEAM & SLAB SHALL BE M25.

ENGINEERING REFERENCE:-

1. ARCHITECTURAL DRAWINGS (BLOCK-A)

CONSTRUCTION REFERENCE:-

1. FOUNDATION LAYOUT AND DETAILS (BLOCK-A) : P001-DD-CV-A001-(2 SHEETS)
2. MASONRY WALL REINFORCEMENT DETAILS (BLOCK-A) : P001-DD-CV-A005
3. LINTEL AND SPANDREL BEAM LAYOUT (BLOCK-A) : P001-DD-CV-A003
4. FLOOR AND ROOF BEAM,SLAB LAYOUT (BLOCK-A) : P001-DD-CV-A004(SHT-2 & SHT-3)

LEGEND:-

FGL – FLOOR GROUND LEVEL
EL – ELEVATION LEVEL
TYP – TYPICAL
DRG – DRAWING
N – NORTH
CJ – CONSTRUCTION JOINT
TOS – TOP OF SLAB
TOB – TOP OF BEAM
LB – LINTEL BEAM
SB – SPANDREL BEAM
– WALL BELOW
– CHAJJA & SUNSHADE
FB – FLOOR BEAM
RB – ROOF BEAM
BB – BAND BEAM
CMU – CONCRETE MASONRY UNIT

R.NO	DATE	REVISIONS	DRW	CHKD
01	11-04-2024	ISSUED FOR REVIEW	SUK	VD

PROJECT TITLE : REINFORCED MASONRY RESIDENTIAL APARTMENTS AT AMBUR

CLIENT: AMBUR PROPERTIES LLP

STRUCTURAL CONSULTANTS :

EDEL ENGINEERING SERVICES
INNOVATIVE, CUSTOMER FOCUSSED
REGN NO.: 29BWJPB9311F1ZL
JP NAGAR, BANGALORE - 560083
PHONE : 97916 24920

ARCHITECT : ANAND KUMAR .S

DRAWING TITLE

LINTEL BEAM LAYOUT AND DETAILS (BLOCK-A)(SHEET 2 OF 3)

FIRST ANGLE PROJECTION	SCALE	DRAWING NO.	
	AS SHOWN	P001-DD-CV-A004	
		CAD-DWG.NO.	SIZE-A1

APPROVED:

DATE	11.04.2024
DRAWN	SUK
DESIGN	V.DEEPTHA
REVISION	01

R. BALAJI
M.Tech; M.B.A,
CHIEF CONSULTANT.



our services doesn't just end there

Buying & Selling Services

Property Buying Assistance, Property Selling Support, Market Price Analysis, Owner Outreach and Negotiation.

Legal & Documentation Services

Certified EC, Patta, legal opinions, property verification, due diligence, litigation solutions, and legal heir certificates.

Property Development & Approvals

Building plan approvals, construction, layout and sub-division approvals, zone conversion, and occupancy certification.

NRI & Investment Services

Escrow Services, Rentals, Litigation Solutions, Property Valuation and Property Management

Compliance & Special Services

Demolition, Vaasthu checks, regularization of unauthorized buildings, and office space solutions.



empowering your real estate decisions with smart tools

Property Valuation & Cost Estimation

Guideline Value, Apartment Composite Value, Stamp Duty & Registration Fees Calculator, Building Value Calculator, Capital Gains Calculator, Area Unit Converter, Length Unit Converter

Ownership, Compliance & Legal Verification

Encumbrance Certificate (EC) Search, Find Your SRO, Temple Property Check, WAQF Property Check, View Patta/Chitta, View FMB, Patta Analyzer, EC Analyzer

Zoning & Land Use Analysis

Land Use Zone Finder, CRZ Zone Check, Aquifer Zone Check, CBA Check, EWS Check, Road Width Check, Proposed Road Widening Check, FSI Calculator

Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary

Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

Verified RealEstate™

We're honored to be part of your real estate journey

3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996
www.verified.realestate