

Government of Andhra Pradesh
Panchayatiraj Engineering Department
Office of the Chief Engineer, PR-I, Vijayawada
Memo. No. AEE2 / DEE3 / DESIGNS / Health Clinics/M25/ Non-Costal /
Isolated fdn / 2025, Dt:16.10.2025

Sub: PR Dept- Designs – **Establishment of Village Health Clinics-Health and wellness centers at village Secretariats-M25-Non-Costal - Isolated Footings** for SBC 75, 100, 150, 200, 250, 300 & 350 kN/m² – Copies of Approved Structural Drawings Communicated – Reg.

Ref: 1) G.O RT. No: 599, HM&FW(H2) Deput. Dt. 10.09.2025

2) CE, PR, II U.O.Note No. MGNREGS/ DEE1/AEE2/Health Clinics/2025 Dt: 29.09.25

3) Circular.memo no: AEE/DEE (D)/ bridges /soil test report/ 2016 Dt13.06.2016

It is to inform that as per reference 1st cited, Government has accorded administrative sanction for **Establishment of Village Health Clinics-Health and wellness centers at village Secretariats** across the state under the 15th Finance commission grants at a unit cost of Rs 36.00 Lakhs per unit with new plan with a **plinth area of 1000 SFT** as per architectural plan enclosed.

The copies of approved Structural drawings in **Non-Coastal Regions** for "Establishment of Village Health Clinics-Health and wellness centers at village Secretariats" are here with communicated to the Concerned Superintending Engineers, PR, Andhra Pradesh for guidance during execution

The building is designed for G+ 1 (Additional floor for future expansion) floor only with a Floor Height of 3.30 m. Foundations are designed for different Safe Bearing Capacities of **75/ 100/150 /200/250/300/350 KN/m²**. Respective footing drawings are to be adopted as per the recommendations in the soil investigation report, which is to be carried out at site as mentioned in reference 2nd cited. If there are any recommendations of Safe Bearing Capacity less than **75 KN/m²** & more than **350 KN/m²** for any buildings, such soil investigation reports may refer to this office for design of foundations.

The location of Building Region & relevant drawings has to be identified as follows.

1. Buildings located at a **radial distance more than 50KM** from the nearest Sea Coast comes under **Non-Coastal Regions**. For these buildings Concrete of grade M25 & Fe 500 grade Steel has to be adopted.
2. Buildings located at a **radial distance less than and up to 50KM** from the nearest Sea Coast come under Coastal **regions**. For these buildings Concrete of grade M30 & Steel of grade Fe 500 has to be adopted.

The Superintending Engineers are directed to ascertain the **Region (Coastal or Non-Coastal)** of the building and also to confirm the location of Village Health clinics as per IS 1893 (Part-I) ie., whether it comes under **Seismic Zones II & Seismic Zone III** and communicate respective **Structural drawings to the Executive Engineers** for execution.

Further if any discrepancies are observed in structural drawings communicated, same shall be informed to this office for redesign.

Buildings located in Non-Coastal region.

I) **Seismic Zone-II, Grade of Concrete –M25, Grade of steel – Fe500,**

Safe Bearing Capacity of soil for 75/ 100 / 150 / 200 /250/300/350 kn/m2.

Sno	Drawing no	Description
1	PR/ Health Clinics /AR/01	Architectural plan for Ground Floor
2	PR/ Health Clinics ZII/ Gen/01	General Notes
3	PR/ Health Clinics /ZII/SD/01	Column Centerline Layout
4	PR/ Health Clinics / ZII/ SD/2	Footing Layout (for SBC – 75 kN/m2)
5	PR/ Health Clinics / ZII/ SD/2A	Column & Footing Schedule (for SBC – 75 kN/m2)
6	PR/ Health Clinics / ZII/ SD/3	Footing Layout (for SBC – 100 kN/m2)
7	PR/ Health Clinics / ZII/ SD/3A	Column & Footing Schedule(for SBC – 100 kN/m2)
8	PR/ Health Clinics /ZII/ SD/4	Footing Layout (for SBC – 150 kN/m2)
9	PR/ Health Clinics / ZII/ SD/4A	Column & Footing Schedule(for SBC – 150 kN/m2)
10	PR/ Health Clinics /ZII/ SD/5	Footing Layout (for SBC – 200 kN/m2)
11	PR/ Health Clinics / ZII/ SD/5A	Column & Footing Schedule(for SBC – 200 kN/m2)
12	PR/ Health Clinics /ZII SD/6	Footing Layout (for SBC – 250 kN/m2)
13	PR/ Health Clinics / ZII/ SD/6A	Column & Footing Schedule (for SBC – 250 kN/m2)
14	PR/ Health Clinics /ZII/ SD/07	Footing Layout (for SBC – 300 kN/m2)
15	PR/ Health Clinics / ZII/ SD/7A	Column & Footing Schedule (for SBC – 300 kN/m2)
16	PR/ Health Clinics /ZII/ SD/8	Footing Layout (for SBC – 350 kN/m2)
17	PR/ Health Clinics / ZII/ SD/8A	Column & Footing Schedule(for SBC – 350 kN/m2)
18	PR/ Health Clinics /ZII/ SD/09	Plinth beam layout
19	PR/ Health Clinics /ZII/ SD/10 (Sheet 1)	Plinth beam Details (1 of 3 sheets)
20	PR/ Health Clinics /ZII/SD/10 (Sheet 2)	Plinth beam Details (2 of 3 sheets)
21	PR/ Health Clinics /ZII/ SD/10 (Sheet 3)	Plinth beam Details (3 of 3 sheets)
22	PR/ Health Clinics /ZII/SD/11	Ground Floor Roof beam Layout
23	PR/ Health Clinics /ZII / SD/12 (Sheet 1)	Ground Floor Roof beam details (1 of 3 sheets)
24	PR/ Health Clinics /ZII/ SD/12 (Sheet 2)	Ground Floor Roof beam details (2 of 3 sheets)
25	PR/ Health Clinics /ZII/ SD/12 (Sheet 3)	Ground Floor Roof beam details (3 of 3 sheets)
26	PR/ Health Clinics /ZII/ SD/13	Ground Floor Roof slab details.

II) **Seismic Zone-III, Grade of Concrete –M25, Grade of steel – Fe500,**

Safe Bearing Capacity of soil for 75/ 100 / 150 / 200 /250/300/350kn/m2

Sno	Drawing no	Description
1	PR/ Health Clinics /AR/01	Architectural plan for Ground Floor
2	PR/ Health Clinics ZIII/ Gen/01	General Notes
3	PR/ Health Clinics /ZIII/SD/01	Column Centerline Layout
4	PR/ Health Clinics / ZIII/ SD/2	Footing Layout (for SBC – 75 kN/m2)
5	PR/ Health Clinics / ZIII/ SD/2A	Column & Footing Schedule (for SBC – 75 kN/m2)
6	PR/ Health Clinics / ZIII/ SD/3	Footing Layout (for SBC – 100 kN/m2)
7	PR/ Health Clinics / ZIII/ SD/3A	Column & Footing Schedule(for SBC – 100 kN/m2)
8	PR/ Health Clinics /ZIII/ SD/4	Footing Layout (for SBC – 150 kN/m2)
9	PR/ Health Clinics / ZIII/ SD/4A	Column & Footing Schedule(for SBC – 150 kN/m2)
10	PR/ Health Clinics /ZIII/ SD/5	Footing Layout (for SBC – 200 kN/m2)
11	PR/ Health Clinics / ZIII/ SD/5A	Column & Footing Schedule(for SBC – 200 kN/m2)
12	PR/ Health Clinics /ZIII/ SD/6	Footing Layout (for SBC – 250 kN/m2)
13	PR/ Health Clinics / ZIII/ SD/6A	Column & Footing Schedule(for SBC – 250 kN/m2)
14	PR/ Health Clinics /ZIII/ SD/07	Footing Layout (for SBC – 300 kN/m2)
15	PR/ Health Clinics / ZIII/ SD/7A	Column & Footing Schedule (for SBC – 300 kN/m2)
16	PR/ Health Clinics /ZIII/ SD/8	Footing Layout (for SBC – 350 kN/m2)
17	PR/ Health Clinics / ZIII/ SD/8A	Column & Footing Schedule(for SBC – 350 kN/m2)
18	PR/ Health Clinics / ZIII/ SD/09	Ductile Detailing sheet
19	PR/ Health Clinics /ZIII/ SD/10	Plinth beam layout
20	PR/ Health Clinics /ZIII/ SD/11 (Sheet 1)	Plinth beam Details (1 of 3 sheets)
21	PR/ Health Clinics /ZIII/SD/11 (Sheet 2)	Plinth beam Details (2 of 3 sheets)
22	PR/ Health Clinics /ZIII/SD/11 (Sheet 3)	Plinth beam Details (3 of 3 sheets)
23	PR/ Health Clinics /ZIII/SD/12	Ground Floor Roof beam Layout
24	PR/ Health Clinics /ZIII/ SD/13 (Sheet 1)	Ground Floor Roof beam details (1 of 3 sheets)
25	PR/ Health Clinics /ZIII/ SD/13 (Sheet 2)	Ground Floor Roof beam details (2 of 3 sheets)
26	PR/ Health Clinics /ZIII/ SD/13 (Sheet 3)	Ground Floor Roof beam details (3 of 3 sheets)
27	PR/ Health Clinics /ZIII/ SD/14	Ground Floor Roof slab details.

The Superintending Engineers are also requested to ensure the safe Bearing capacity of the soil as per the Soil Investigation Report duly obtained from any reputed institute as per the circular memo issued vide ref. 2nd cited.

These drawings should be read in conjunction with approved architectural drawings. If any discrepancies are found in either detailing, levels, or any other architectural features that may require further detailing & influence structural designs, may be brought to the notice of this office for taking further necessary action.

The receipt of the memo may be acknowledged at the first instance.

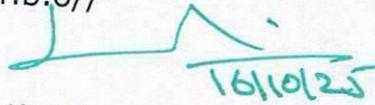
- Encl: 1) Non Coastal M25 Seismic Zone II drawings
2) Non Coastal M25 Seismic Zone III drawings

Sd/** 16.10.2025
Chief Engineer
PR-1, Vijayawada.

To
All the Superintending Engineers, P.R, in the state (Through Mail)
Copy to the Chief Engineer (MGNREGS) for further necessary action

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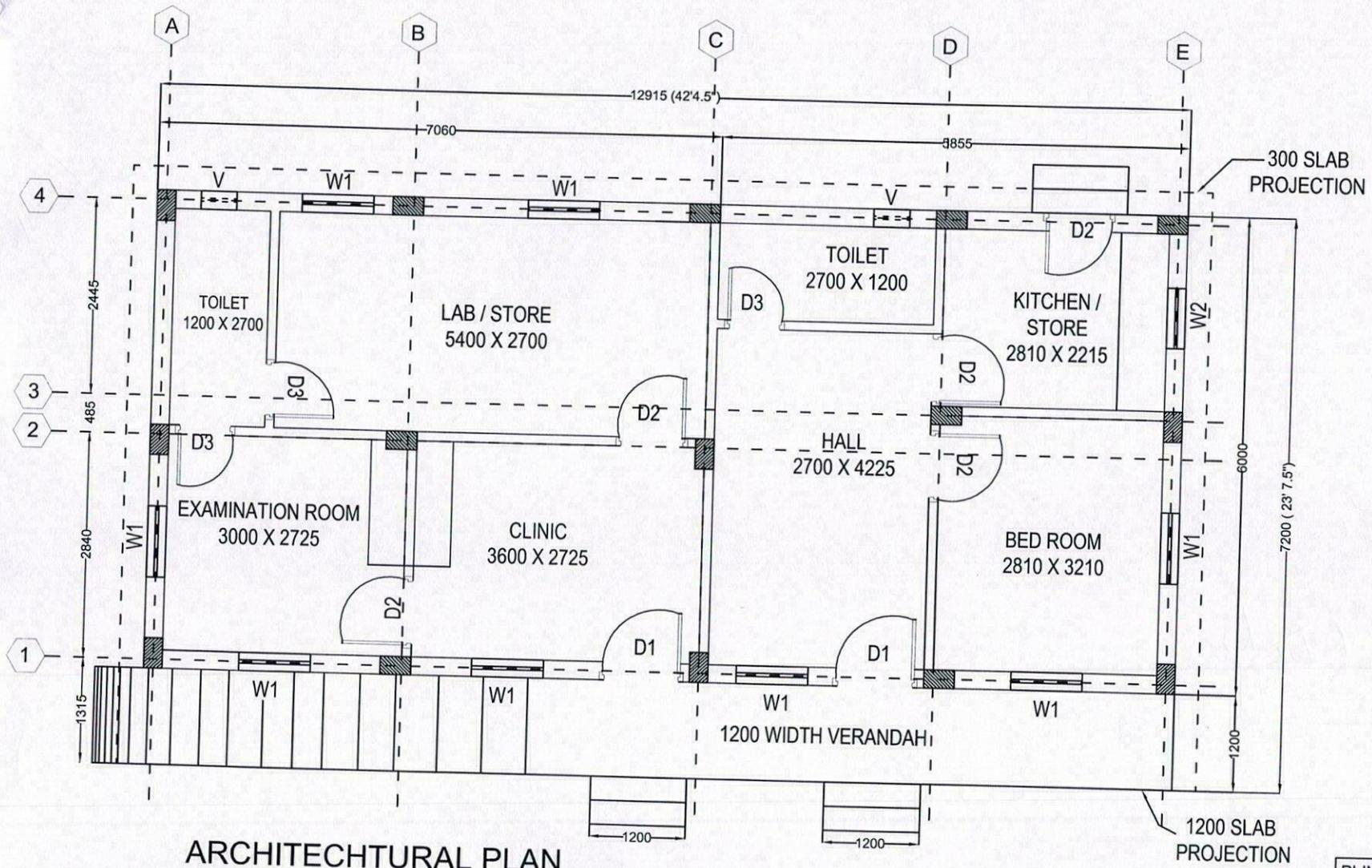
WV.



16/10/25

Dy. Executive Engineer

PR, Designs.



ARCHITECTURAL PLAN

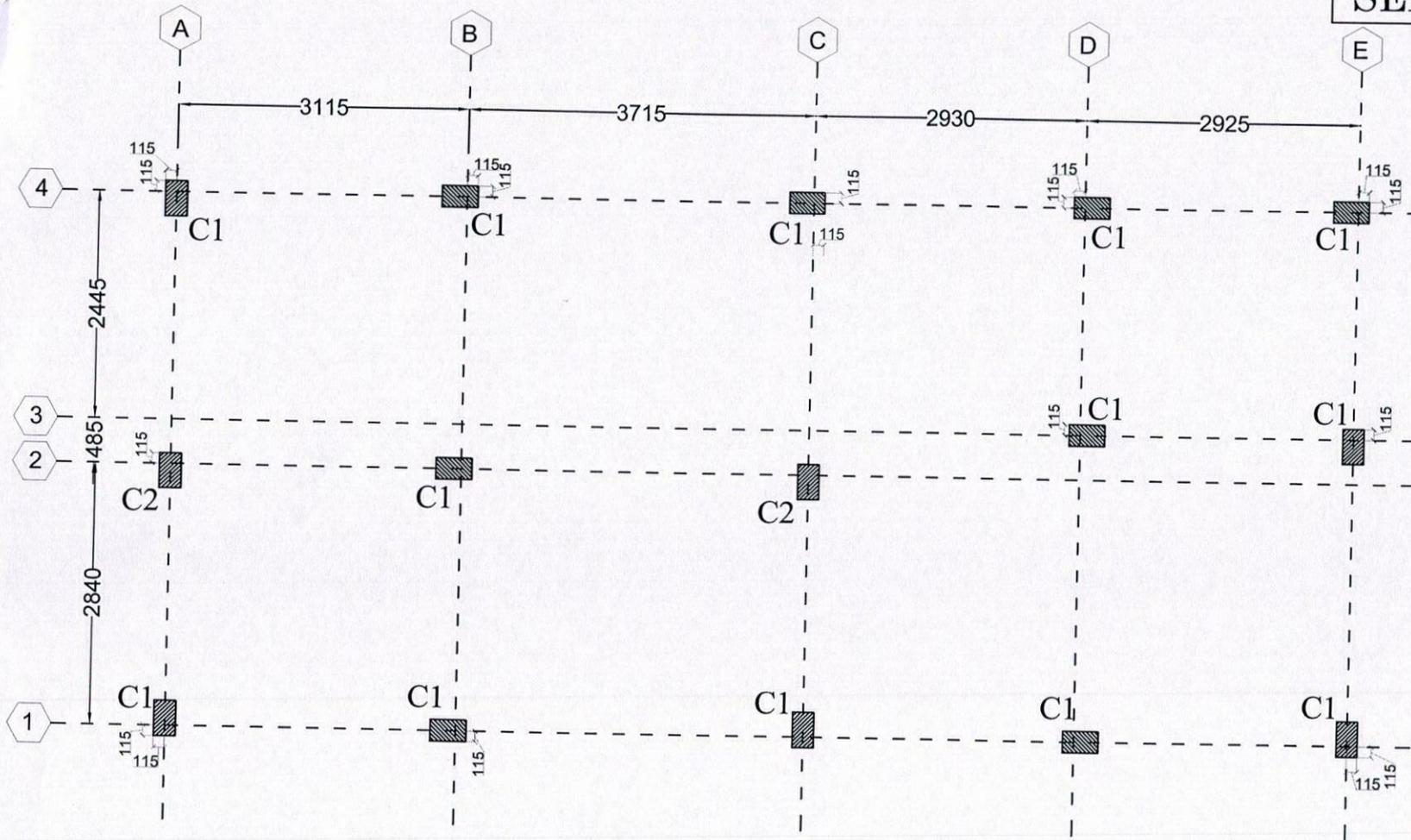
PLINTH AREA: 1000 SFT

//APPROVED//
 Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

// TRUE COPY //
 Dy. Executive Engineer, PR (Designs)
16/10/25

NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS - HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	ARCHITECTURAL PLAN FOR GROUND FLOOR
Drg. NO :	PR / HEALTH CLINICS / AR / 01
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SEISMIC ZONE II



COLUMN & CENTRE LINE LAYOUT

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 Sd/- 16-10-2025
 CHIEF ENGINEER,PR-I
 PRED,Vijayawada.

// TRUE COPY //
 Dy. Executive Engineer,PR (Designs)

NAME OF WORK : ESTABLISHMENT OF HEALTH CLINICS - HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title : COLUMN CENTERLINE LAYOUT
Drg.NO : PR / HEALTH CLINICS / ZII/ SD / 01
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

V.V.V.
16/10/25
16/10/25

NOTES:

- DO NOT SCALE THIS DRAWING. FOLLOW FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS ARE IN MM ONLY AND LEVELS ARE IN METERS UNLESS SPECIFIED.
- FOOTINGS ARE DESIGNED FOR DIFFERENT SBC'S OF 75 KN/m², 100 KN/m², 150 KN/m², 200 KN/m², 250 KN/m², 300 KN/m² & 350 KN/m² AT A DEPTH OF 1.9m BELOW GROUND LEVEL. ALL THE SE'S ARE REQUESTED TO GET THE SOIL TEST DONE AT THE PROPOSED SITES AND ADOPT RESPECTIVE FOOTING DRAWINGS CORRESPONDING TO THE SBC'S GIVEN AS PER SOILTESTREPORT BEFORE EXECUTION.

4. USE VIBRATED REINFORCED CONCRETE CONFIRMING TO IS : 456-2000. THE GRADES FOR DIFFERENT COMPONENTS ARE AS FOLLOWS

Component	Footing	Pedestal & Columns	Beams	Slabs
Mix	M25	M25	M25	M25

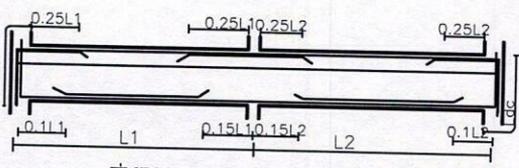
- GRADE OF STEEL SHALL BE Fe500. EXCEPT WHEREVER INDICATED.
* IT SHOULD BE ENSURED THAT THE ABOVE STEEL IS PRODUCED BY THERMOMECHANICAL TREATMENT PROCESS, HAVING ELONGATION MORE THAN 14.5% AND CONFIRMING TO IS 1786-85 & ITS AMENDMENTS
- CONCRETE LAID IN THE FORM WORK SHALL INVARIABLY VIBRATED TO OBTAIN MAX. DENSITY AND COMPACTION.
- PROVISIONS MADE IN IS 456-2000, AND SP34 AND OTHER RELEVANT CODES SHOULD BE STRICTLY ADHERED TO, DURING EXECUTION.
- LAPS SHALL BE STAGGERED AND LAP LENGTHS ARE AS FOLLOWS.

Mix	M25
Ld	49 Dia Tension/ 39 Dia Compression

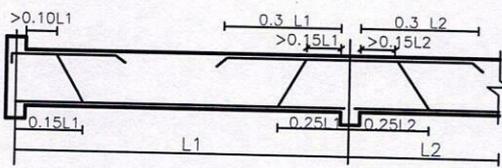
- NOT MORE THAN 50% OF COLUMN REINFORCEMENT SHALL BE LAPPED AT A PARTICULAR LOCATION.
- CLEAR COVERS ARE AS FOLLOWS

FOOTING TO MAIN BAR	PEDESTAL TO STRRIUPS	COLUMN TO STRRIUPS	BEAMS TO STRRIUPS	SLABS & STAIR CASE TO MAIN BAR
50mm	40mm	40mm	25mm	20mm

- ANY LOOSE OR PROTRUDING BOULDERS SHALL BE REMOVED BEFORE LAYING FOUNDATION CONCRETE AND SHALL BE FILLED WITH PCC (1:4:8).
- WHEREVER NECESSARY DRILLING SHALL BE RESORTED TO, IN HARD SHEET ROCK ONLY.
- STIRRUPS SHOULD HAVE STANDARD HOOK AS PER SP-34
- EXTRA BARS AT TOP FOR BEAM SHALL BE EXTENDED UPTO 0.25L ON EITHER SIDE FROM THE FACE OF EDGE MEASURED FROM CENTER OF SUPPORT. WHERE 'L' IS c/c OF SUPPORTS. THE CURTAILMENT OF BOTTOM BARS AT 0.1 L FROM DISCONTINUOUS EDGE AND 0.15 L FROM CONTINUOUS EDGE.



TYPICAL DETAILS OF A BEAM

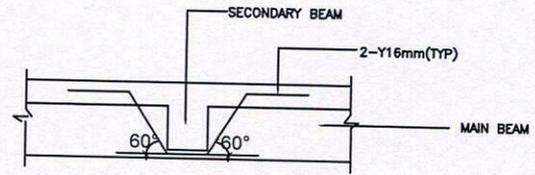


TYPICAL DETAILS OF A SLAB

IMPORTANT NOTE:

- THE RESPONSIBILITY FOR FIXING OF F.G.L AND .F.L ARE LIES WITH THE SE/E.E CONCERNED.
- PRIOR PERMISSION FOR ANY DEVIATION AND FINANCIAL IMPLICATIONS HAVE TO BE OBTAINED BEFORE EXECUTION OF WORK.
- BEFORE COMMENCEMENT OF WORK STRUCTURAL DRAWINGS SHALL HAVE TO BE VERIFIED WITH RESPECT TO THE APPROVED ARCHITECTURAL DRAWING.
- ANY ITEM OF WORK FOR WHICH STRUCTURAL DRAWINGS ARE COMMUNICATED BUT ARE NOT INCLUDED IN AGREEMENT PRIOR APPROVAL SHALL BE TAKEN FROM COMPETENT AUTHORITY BEFORE GROUNDING OF SUCH WORK.

- SLAB BARS ARE TO BE CRANKED AT 0.25 L FROM CENTRE OF SUPPORT NEAR CONTINUOUS EDGES AND 0.15 L FROM CENTRE OF SUPPORT NEAR DISCONTINUOUS EDGES.
- IN SLABS EXTRA BARS OVER CONTINUOUS SUPPORT SHOULD BE TAKEN UPTO 0.3L FROM THE FACE OF BEAM. CRANK BARS AT CONTINUOUS SUPPORT SHOULD NOT BE TERMINATED ON BEAM AND SHOULD BE EXTENDED UPTO 0.3L FROM FACE OF SUPPORT INTO THE ADJACENT SPAN.
- DISTRIBUTION STEEL IN SLAB FOR CRANKED BARS AND TOP EXTRA BARS SHALL BE 8 TOR @ 175 C/C
- THE REINFORCEMENT SHALL BE CHECKED BEFORE LAYING CONCRETE.
- WHEREVER, THE SECONDARY BEAM RESTS ON MAIN BEAM THE ARRANGEMENT OF BENT UP HANGER BARS SHALL BE PROVIDED AS GIVEN BELOW:



- IN BEAMS & SLABS, OVERLAPPING SHALL NOT BE PROVIDED OVER SUPPORTS FOR TOP BARS AND AT MID SPAN FOR BOTTOM BARS.
- WHEREVER REINFORCEMENT IS PROVIDED IN TWO LAYERS IN BEAMS SPACER BAR SHALL BE PROVIDED TO MAINTAIN 25MM GAP OR MAXIMUM DIA OF MAIN BAR, WHICH EVER IS MORE, BETWEEN TWO LAYERS.
- WHEN SPAN IS MORE THAN 6.0M PROVIDE A CAMBER OF SPAN/250 FOR BEAMS & SLABS.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
- THIS BUILDING IS DESIGNED FOR G+1 STOREYS AND FOR BASIC WIND SPEED 50 m/s AND FOR SEISMIC ZONE -II
- FLOOR TO FLOOR HEIGHT IS CONSIDERED AS GROUND FLOOR HEIGHT - 3.30 m
- CURING SHOULD BE DONE AT LEAST FOR 21 DAYS
- STRIPPING TIME OF FORMWORK SHALL CONFORM TO CLAUSE 11.3 OF IS 456-2000
- WATER TANK LOADS ARE CONSIDERED ABOVE TOILETS IN BETWEEN THE GRIDS OF @-@ & @-@

LEGEND:

- F.F.L : Finished Floor Level.
- F.G.L : Finished Ground Level
- TOB : Top of beam
- S.F.L : Structural finished Level

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

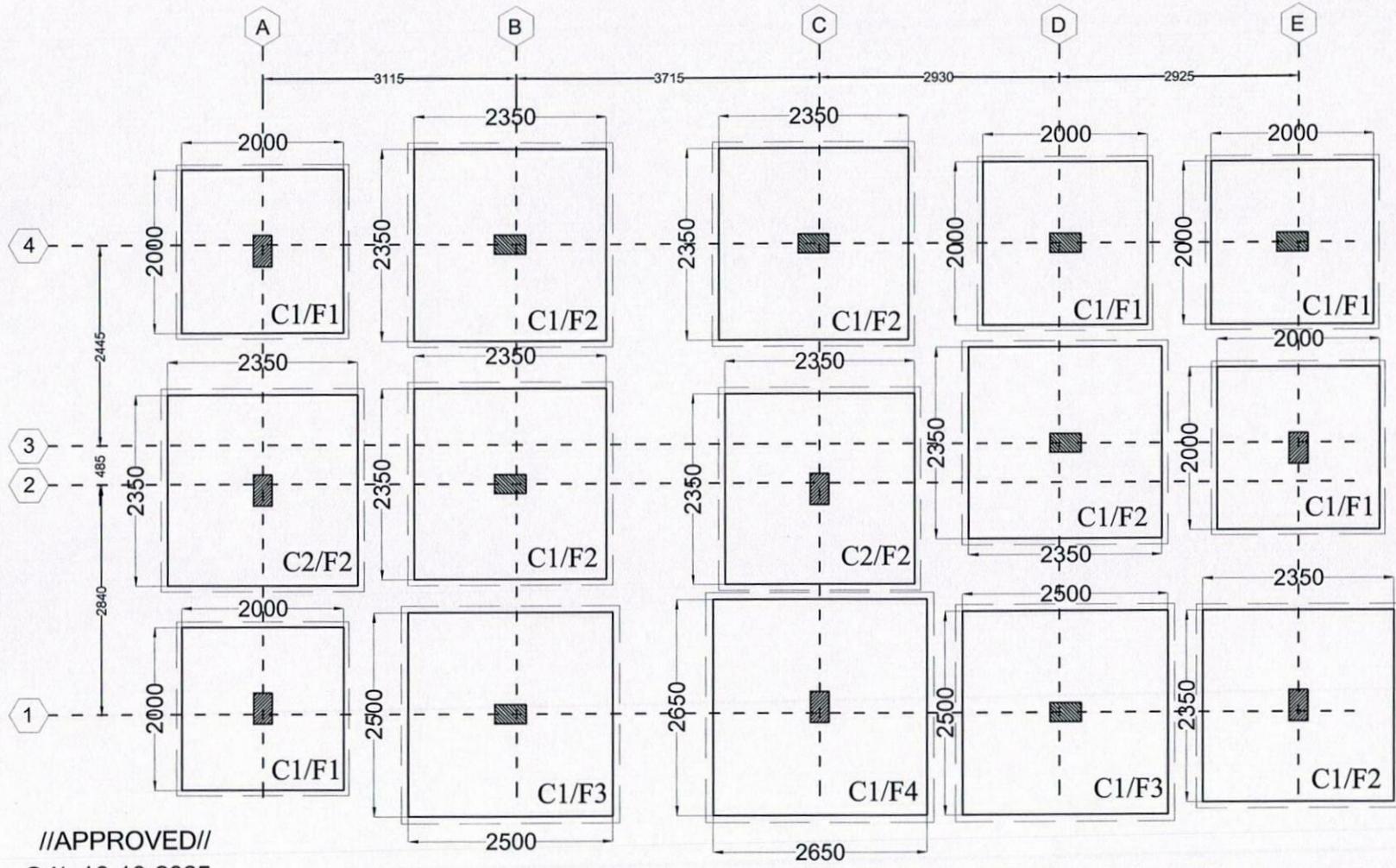
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Dy. Executive Engineer, PR (Designs)

Handwritten signature and date: 16/10/25

NAME OF WORK : ESTABLISHMENT OF HEALTH CLINICS - HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title : GENERAL NOTES
Drg. NO : PR / HEALTH CLINICS / ZII / GEN/ 01
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

SEISMIC ZONE II



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Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -75 KN/m², Fe500, M25

FOR SBC -75 KN/m²

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

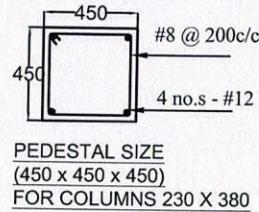
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V.V.
16/10/25
Dy. Executive Engineer, PR (Designs)
16/10/25

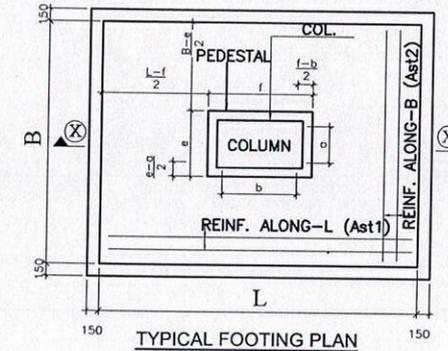
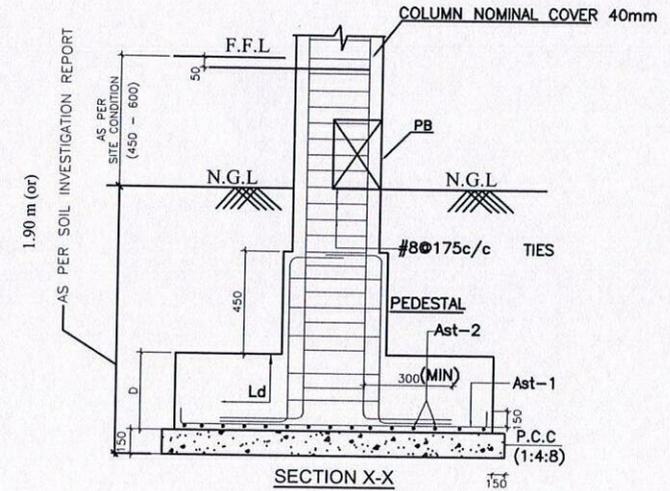
NAME OF WORK :	
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS	
Drg. Title :	FOOTING LAYOUT (for SBC 75 KN/m2)
Drg.NO :	PR / HEALTH CLINICS / ZII / SD / 02
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	



SEISMIC ZONE II



SCHEDULE OF FOOTINGS FOR SBC -75 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	2000 X 2000	300	Y 10- 13 Nos	Y 10- 13 Nos
F2	M25	2350 X 2350	350	Y 10- 18 Nos	Y 10- 18 Nos
F3	M25	2500 X 2500	375	Y 10- 21 Nos	Y 10- 21 Nos
F4	M25	2650 X 2650	400	Y 10- 24 Nos	Y 10- 24 Nos

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Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -75 KN/m²

NOTE:

1. STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
2. FOOTINGS DESIGNED FOR SBC OF 75 KN/m²

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

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Dy. Executive Engineer, PR (Designs)

16/10/25

NAME OF WORK :

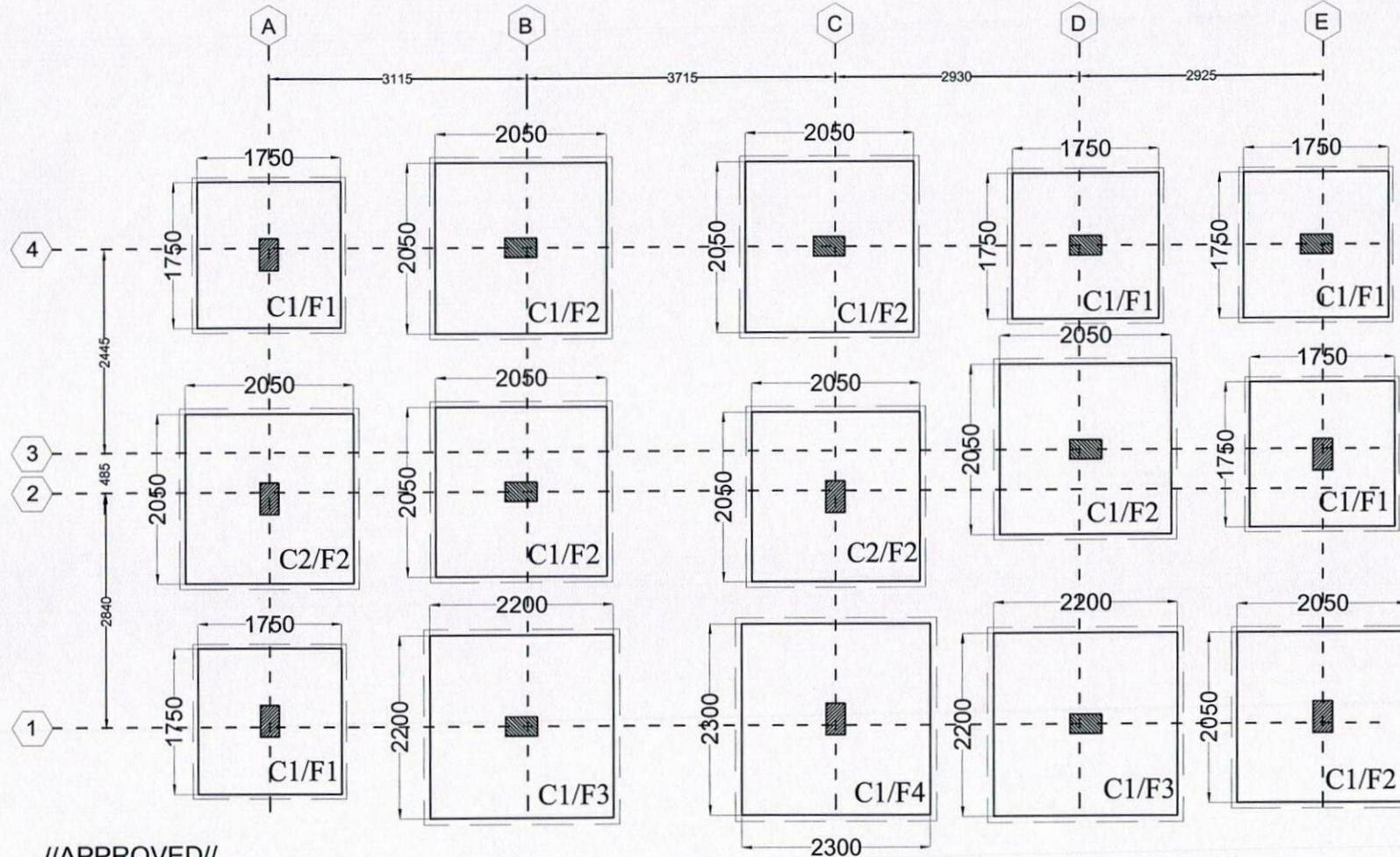
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 75 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZII / SD / 2A

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SEISMIC ZONE II



//APPROVED//

Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -100 KN/m², Fe500, M25

FOR SBC -100 KN/m²

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

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V.V.
16/10/25
Dy. Executive Engineer, PR (Designs)

NAME OF WORK :

ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

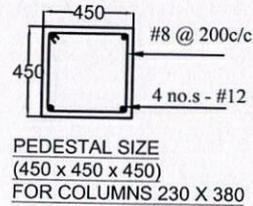
Drg. Title : FOOTING LAYOUT (for SBC 100 KN / m²)

Drg. NO : PR / HEALTH CLINICS / ZII / SD / 03

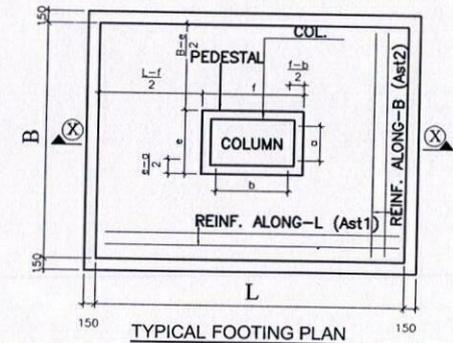
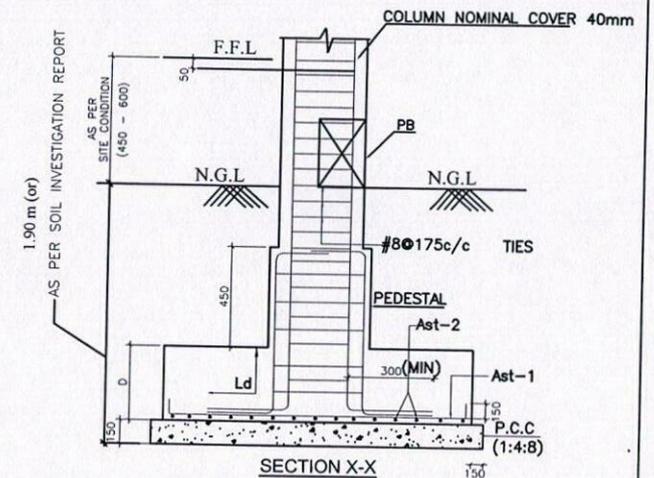
PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	



SEISMIC ZONE II



SCHEDULE OF FOOTINGS FOR SBC -100 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1750 X 1750	300	Y 10- 12 Nos	Y 10- 12 Nos
F2	M25	2050 X 2050	350	Y 10- 16 Nos	Y 10- 16 Nos
F3	M25	2200 X 2200	375	Y 10-19 Nos	Y 10-19 Nos
F4	M25	2300 X 2300	400	Y 10- 21 Nos	Y 10- 21 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER,PR-I
PRED,Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -100 KN/m²

NOTE:

- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
- FOOTINGS DESIGNED FOR SBC OF 100 KN/m²

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

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Dy. Executive Engineer,PR (Designs)

16/10/25

NAME OF WORK :

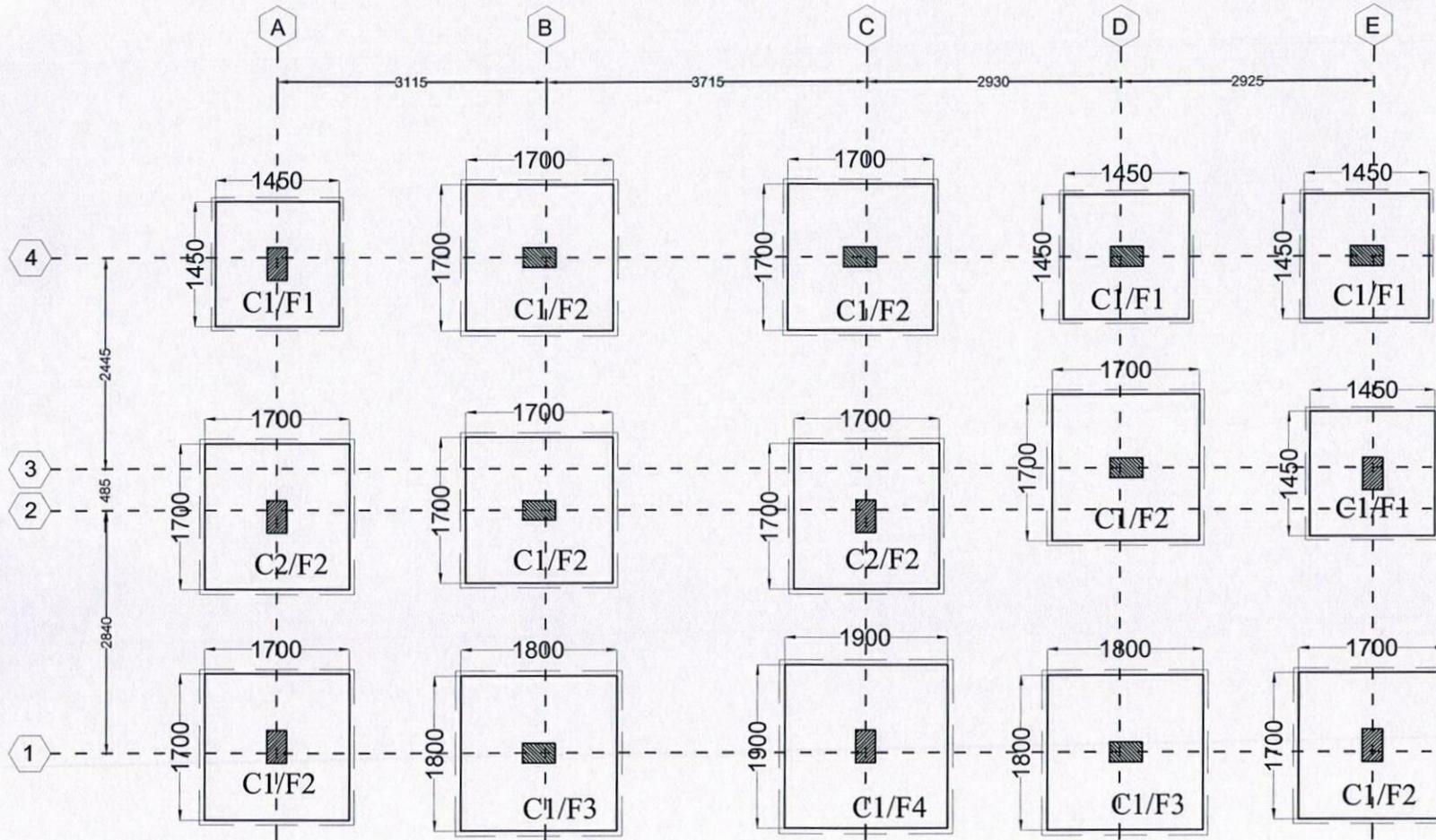
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 100 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZII / SD / 3A

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SEISMIC ZONE II



//APPROVED//

Sd/- 16-10-2025

CHIEF ENGINEER, PR-I

PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -150 KN/m², Fe500, M25

FOR SBC -150 KN/m²

CLEAR COVER : SLAB : 20mm
 BEAM : 25mm
 COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

NAME OF WORK :

ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

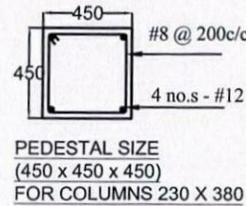
Drg. Title : FOOTING LAYOUT (for SBC 150 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZII / SD / 04

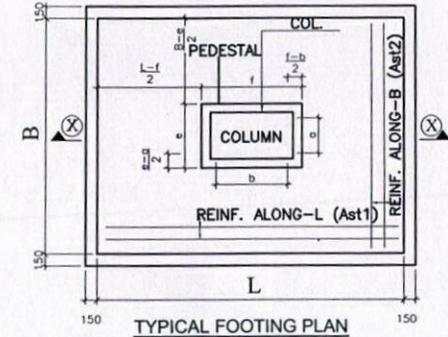
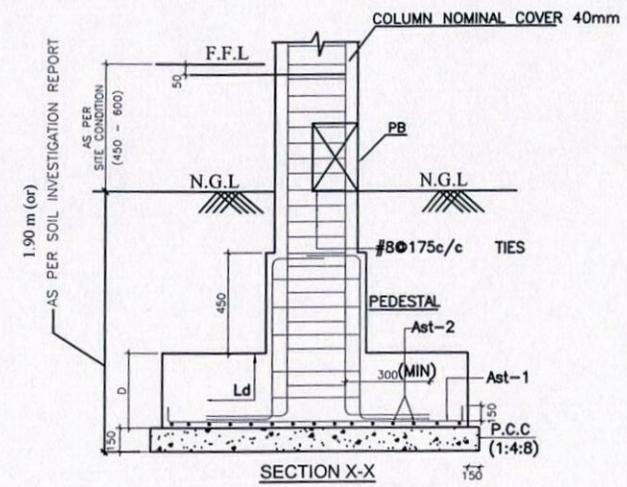
PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	



SEISMIC ZONE II



SCHEDULE OF FOOTINGS FOR SBC -150 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1450 X 1450	300	Y 10- 09 Nos	Y 10- 09 Nos
F2	M25	1700 X 1700	350	Y 10- 13 Nos	Y 10- 13 Nos
F3	M25	1800 X 1800	350	Y 10- 14 Nos	Y 10- 14 Nos
F4	M25	1900 X 1900	375	Y 10- 16 Nos	Y 10- 16 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -150 KN/m²

NOTE:

- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
- FOOTINGS DESIGNED FOR SBC OF 150 KN/m²

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

V.V.
16/10/25

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :

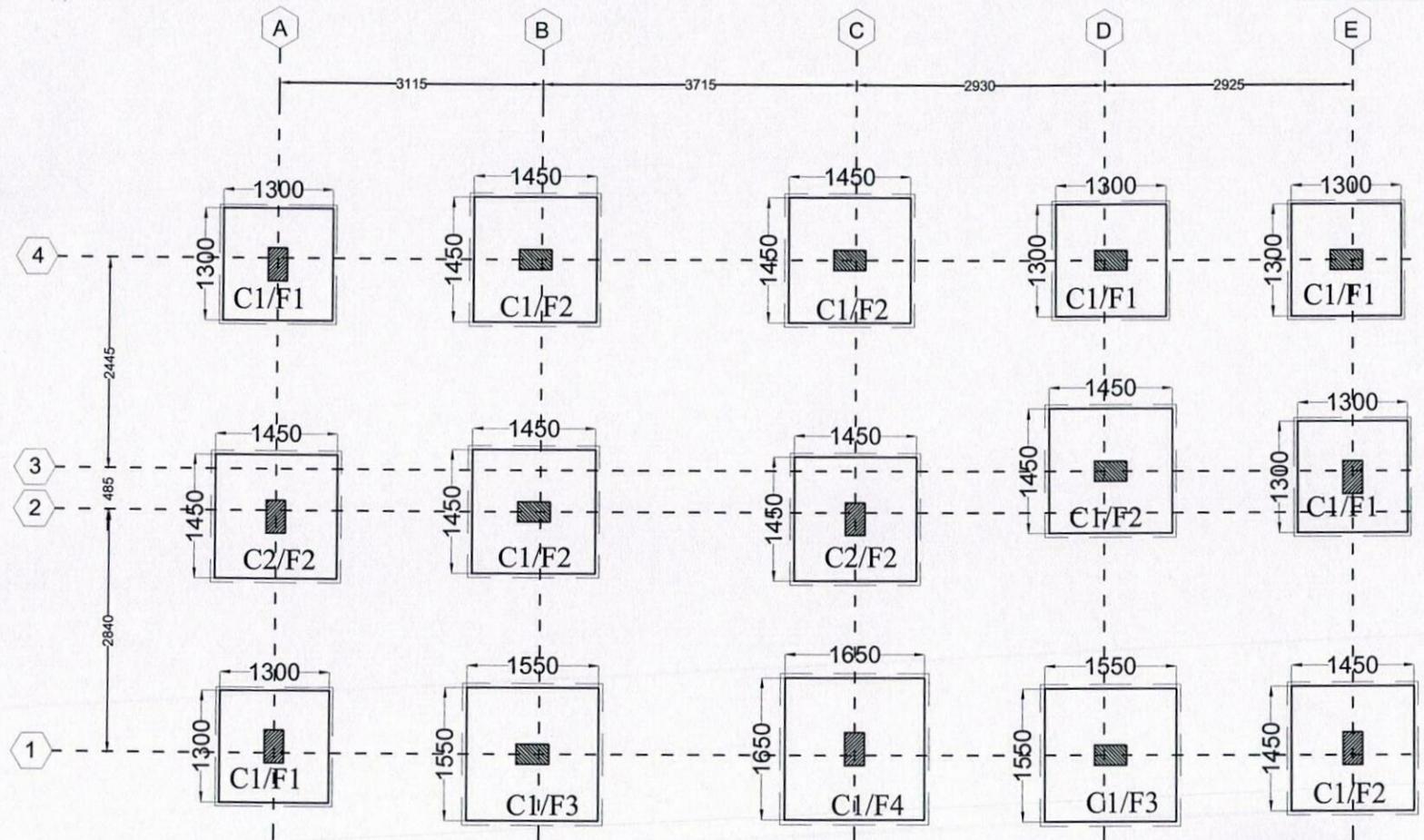
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg.Title : COLUMN & FOOTING SCHEDULE (for SBC 150 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZII / SD / 4A

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SEISMIC ZONE II



//APPROVED//

Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -200 KN/m², Fe500, M25

FOR SBC -200 KN/m²

CLEAR COVER : SLAB : 20mm
 BEAM : 25mm
 COLUMN : 40mm

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

NAME OF WORK :

ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : FOOTING LAYOUT (for SBC 200 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZII / SD / 05

PANCHAYATI RAJ ENGINEERING DEPARTMENT
 VIJAYAWADA

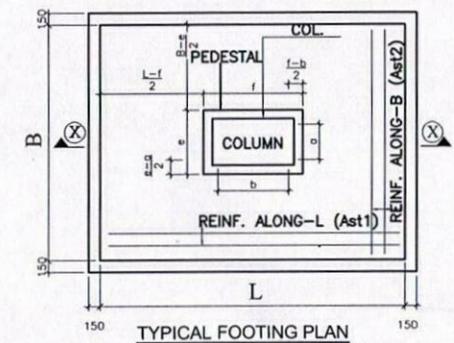
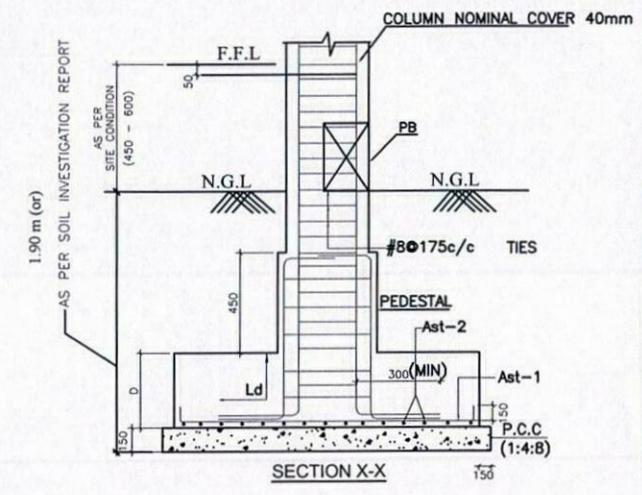
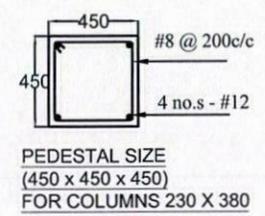
FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

SEISMIC ZONE II

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	



SCHEDULE OF FOOTINGS FOR SBC -200 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1300 X 1300	300	Y 10- 08 Nos	Y 10- 08 Nos
F2	M25	1450 X 1450	325	Y 10- 11 Nos	Y 10- 11 Nos
F3	M25	1550 X 1550	350	Y 10- 12 Nos	Y 10- 12 Nos
F4	M25	1650 X 1650	375	Y 10- 14 Nos	Y 10- 14 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER,PR-I
PRED,Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -200 KN/m²

- NOTE:
- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
 - FOOTINGS DESIGNED FOR SBC OF 250 KN/m²

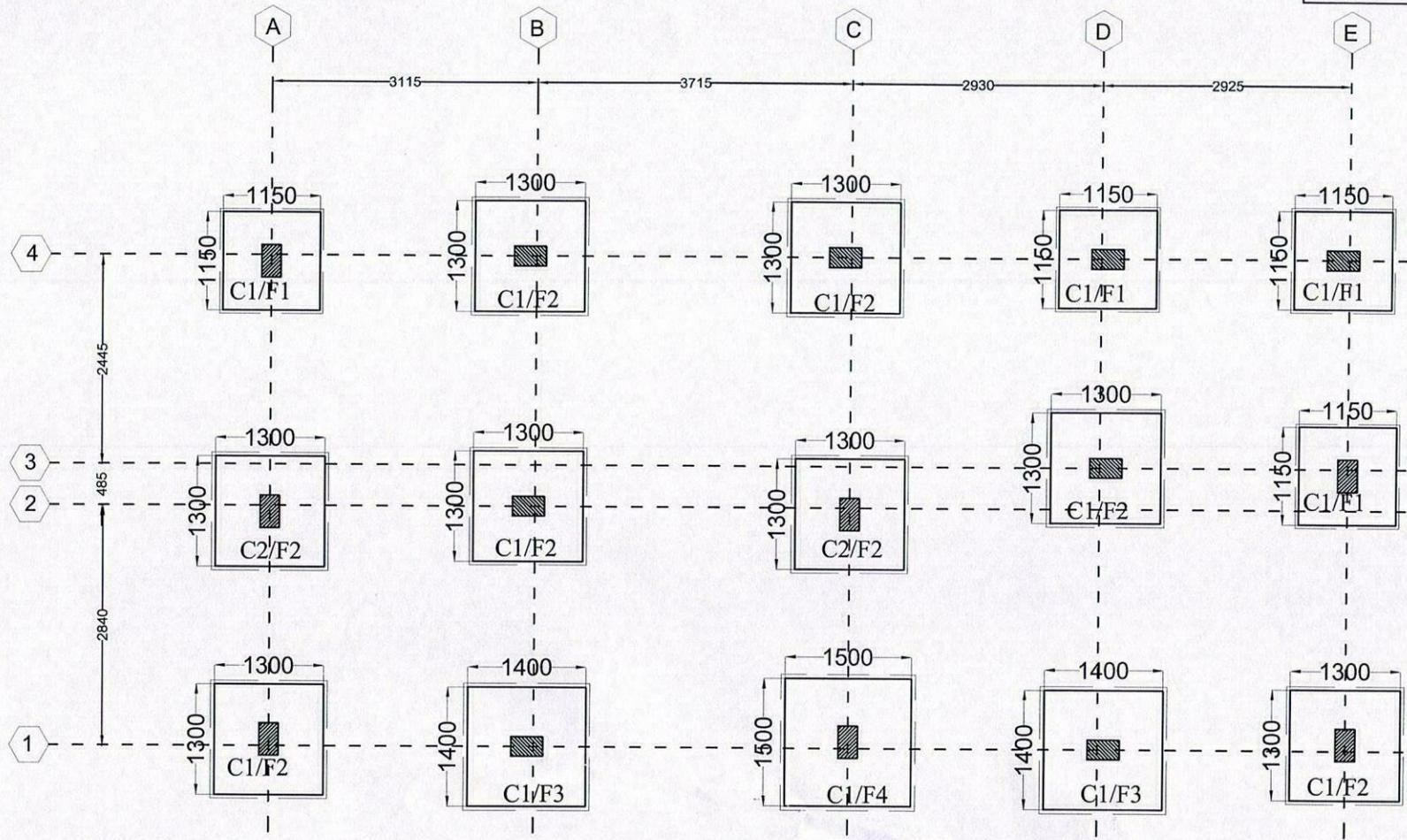
// TRUE COPY //

M.V.
16/10/25
Dy. Executive Engineer,PR (Designs)
Ch
16/10/25

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title :	COLUMN & FOOTING SCHEDULE (for SBC 200 KN / m ²)
Drg.NO :	PR / HEALTH CLINICS / ZII / SD / 5A
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SEISMIC ZONE II



//APPROVED//

Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -250 KN/m², Fe500, M25

FOR SBC -250 KN/m²

CLEAR COVER : SLAB : 20mm
 BEAM : 25mm
 COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

// TRUE COPY //

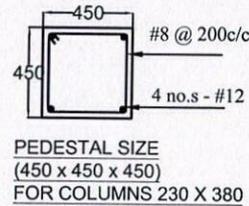
Dy. Executive Engineer, PR (Designs)

Handwritten signature and date: 16/10/25

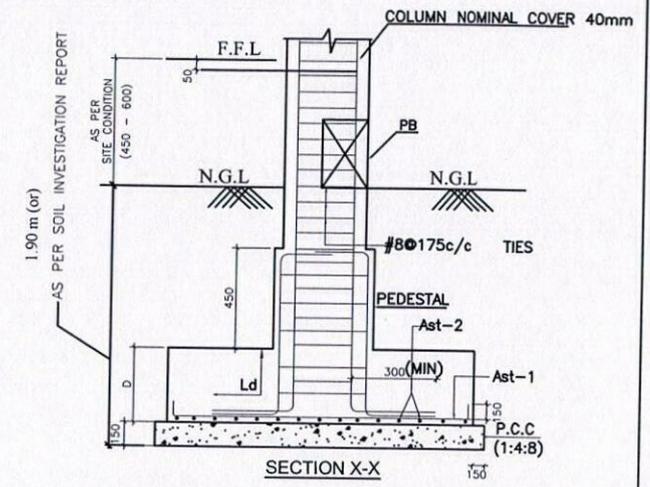
NAME OF WORK :	
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS	
Drg. Title :	FOOTING LAYOUT (for SBC 250 KN / m ²)
Drg. NO :	PR / HEALTH CLINICS / ZII / SD / 06
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	

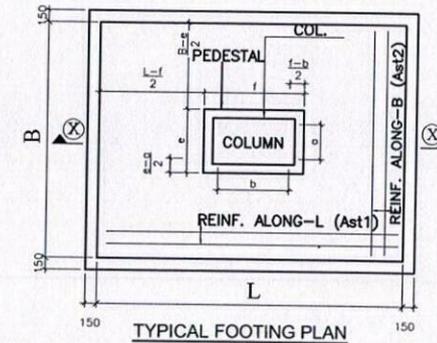


SEISMIC ZONE II



SCHEDULE OF FOOTINGS FOR SBC -250 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1150 X 1150	300	Y 10- 06 Nos	Y 10- 06 Nos
F2	M25	1300 X 1300	300	Y 10- 09 Nos	Y 10- 09 Nos
F3	M25	1400 X 1400	325	Y 10- 10 Nos	Y 10- 10 Nos
F4	M25	1500 X 1500	350	Y 10- 12 Nos	Y 10- 12 Nos



//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -250 KN/m²

NOTE:

- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
- FOOTINGS DESIGNED FOR SBC OF 250 KN/m²

// TRUE COPY //

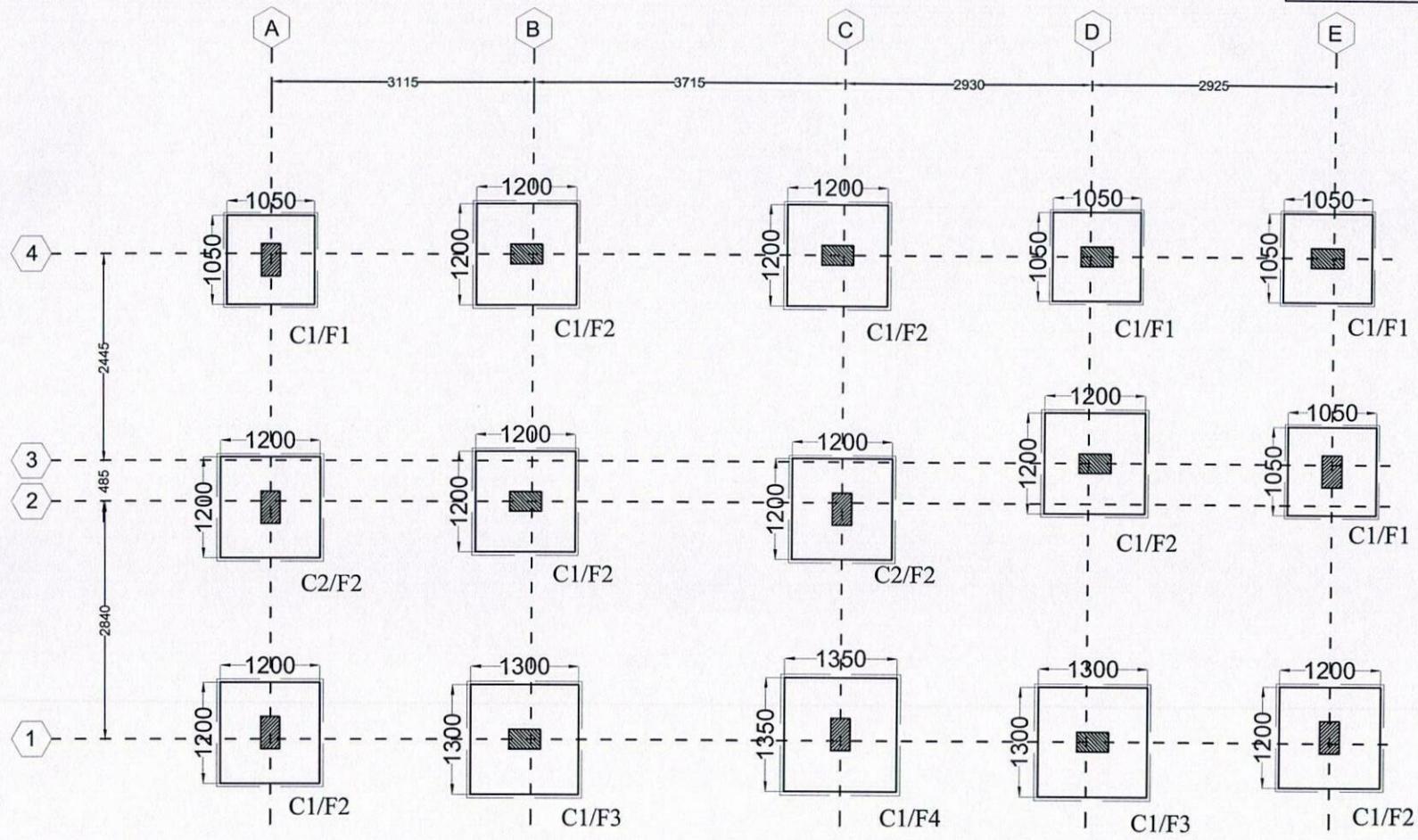
Dy. Executive Engineer, PR (Designs)

Handwritten signature and date: 16/10/25

NAME OF WORK : ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 250 KN / m ²)
Drg.NO : PR / HEALTH CLINICS / ZII / SD / 6A
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

SEISMIC ZONE II



//APPROVED//

Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -300 KN/m², Fe500, M25

FOR SBC -300 KN/m²

CLEAR COVER : SLAB : 20mm
 BEAM : 25mm
 COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

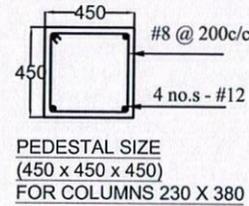
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V.V-
 Dy. Executive Engineer, PR (Designs)
 16/10/25
 16/10/25

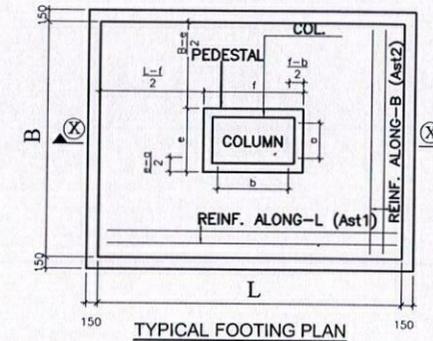
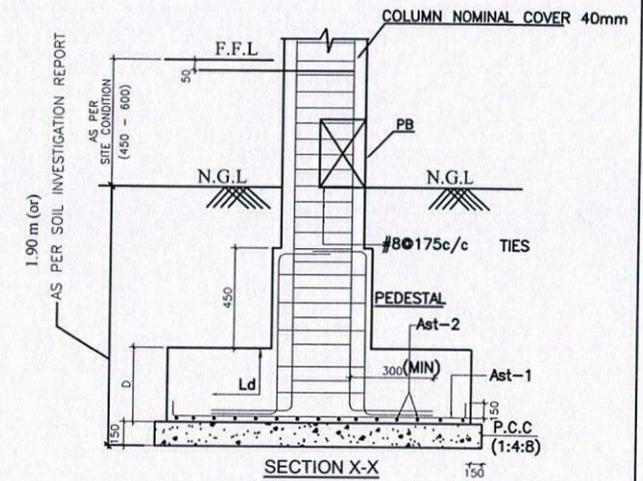
NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	FOOTING LAYOUT (for SBC 300 KN / m ²)
Drg.NO :	PR / HEALTH CLINICS / ZII / SD / 07
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	



SEISMIC ZONE II



SCHEDULE OF FOOTINGS FOR SBC -300 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1050 X 1050	300	Y 10- 06 Nos	Y 10- 06 Nos
F2	M25	1200 X 1200	300	Y 10- 08 Nos	Y 10- 08 Nos
F3	M25	1300 X 1300	325	Y 10- 10 Nos	Y 10- 10 Nos
F4	M25	1350X 1350	350	Y 10- 11 Nos	Y 10- 11 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -300 KN/m²

NOTE:

1. STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
2. FOOTINGS DESIGNED FOR SBC OF 300 KN/m²

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

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Handwritten signature and date:
16/10/25
Dy. Executive Engineer, PR (Designs)

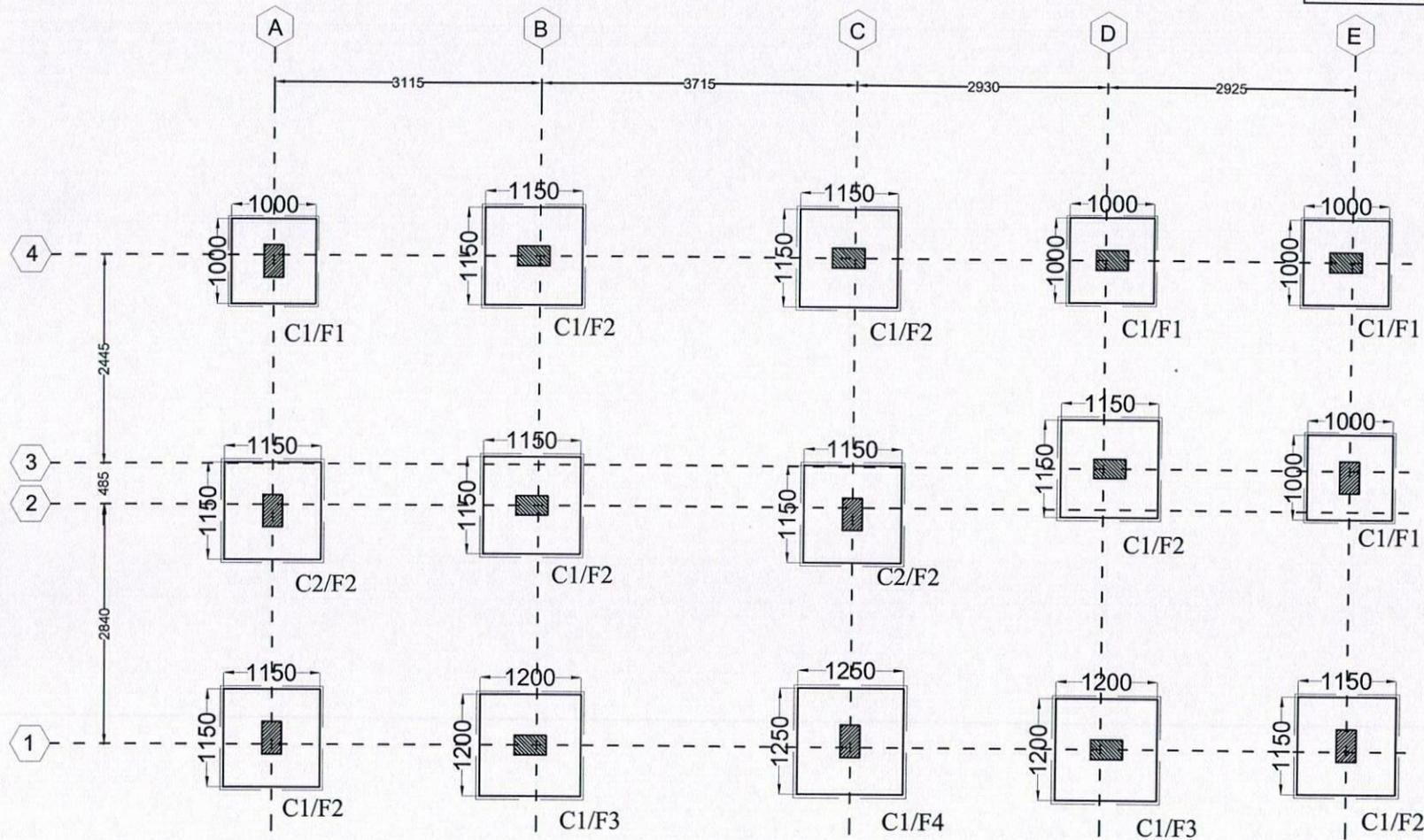
NAME OF WORK :
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 300 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZII / SD / 7A

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SEISMIC ZONE II



//APPROVED//

Sd/- 16-10-2025

CHIEF ENGINEER, PR-I
PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -350 KN/m², Fe500, M25

FOR SBC -350 KN/m²

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

// TRUE COPY //

V.V.
16/10/25
Dy. Executive Engineer, PR (Designs)

NAME OF WORK :

ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

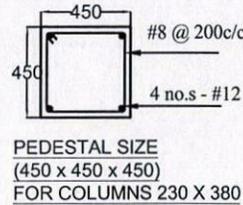
Drg. Title : FOOTING LAYOUT (for SBC 350 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZII / SD / 08

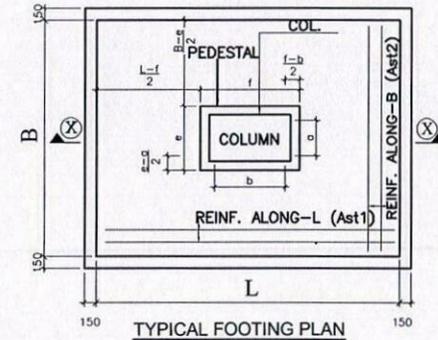
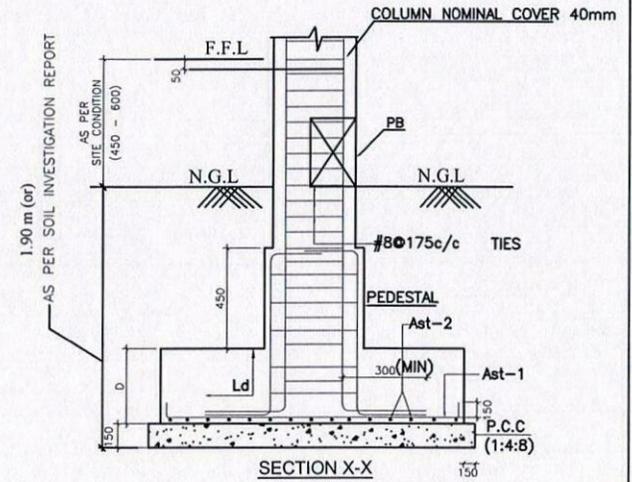
PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	4-#16mm	
C2	230 x 380	4-#20mm	



SEISMIC ZONE II



SCHEDULE OF FOOTINGS FOR SBC -350 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1000 X 1000	300	Y 10- 06 Nos	Y 10- 06 Nos
F2	M25	1150 X 1150	300	Y 10- 08 Nos	Y 10- 08 Nos
F3	M25	1200 X 1200	300	Y 10- 08 Nos	Y 10- 08 Nos
F4	M25	1250 X 1250	325	Y 10- 09 Nos	Y 10- 09 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -350 KN/m²

NOTE:

1. STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
2. FOOTINGS DESIGNED FOR SBC OF 350 KN/m²

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

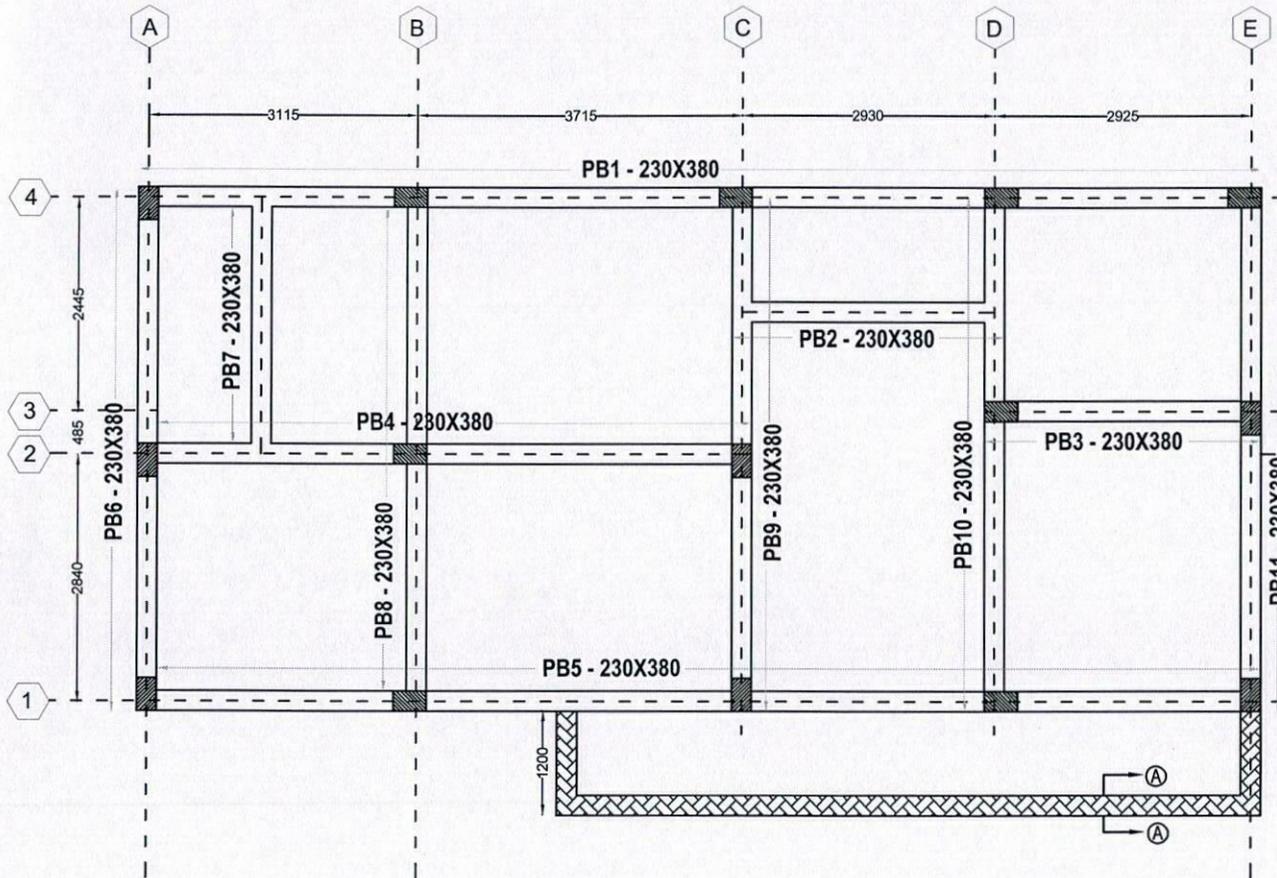
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FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

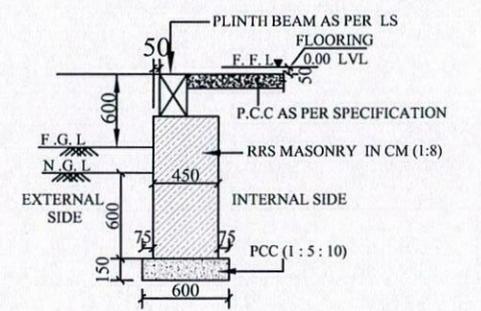
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK : ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 350 KN / m ²)
Drg.NO : PR / HEALTH CLINICS / ZII / SD / 8A
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

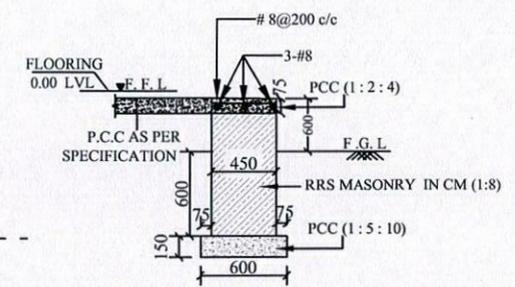
SEISMIC ZONE II



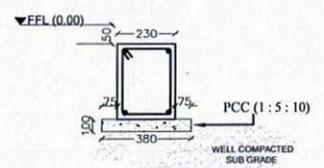
PLINTH BEAM LAYOUT



TYPICAL EXTERNAL PLINTH BEAM (EPB) DETAILS



SECTION - (A)-(A)



TYPICAL INTERNAL PLINTH BEAM DETAILS

//APPROVED//

Sd/- 16-10-2025

CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

// TRUE COPY //

V.V.V.
16/10/25
 Dy. Executive Engineer, PR (Designs)
Cb
16/10/25

NAME OF WORK :
 ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg.Title : PLINTH BEAM LAYOUT

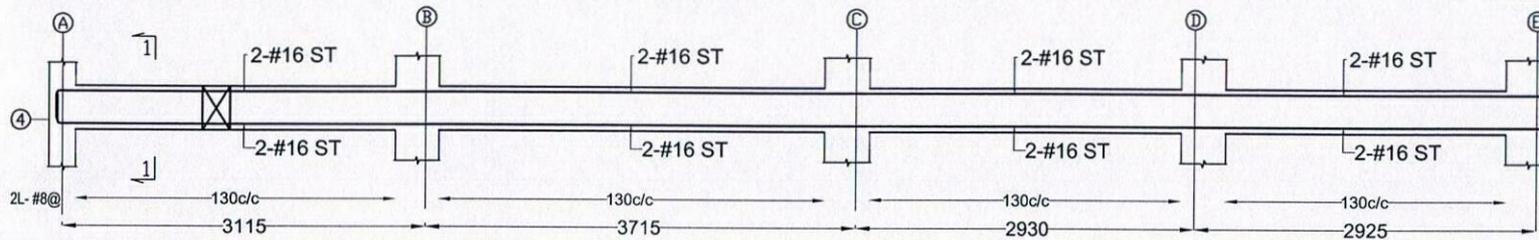
Drg.NO : PR / HEALTH CLINICS / ZII / SD / 09

PANCHAYATI RAJ ENGINEERING DEPARTMENT
 VIJAYAWADA.

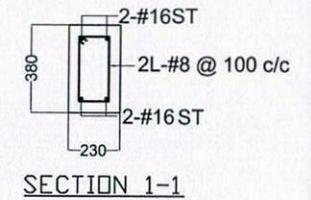
FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

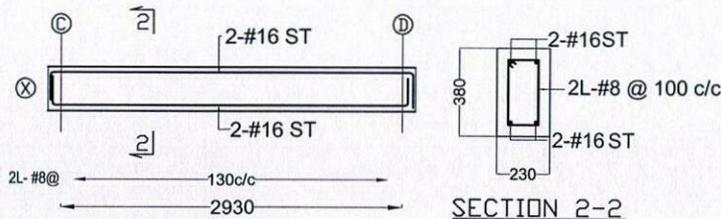
SEISMIC ZONE II



PB1 - 230X380

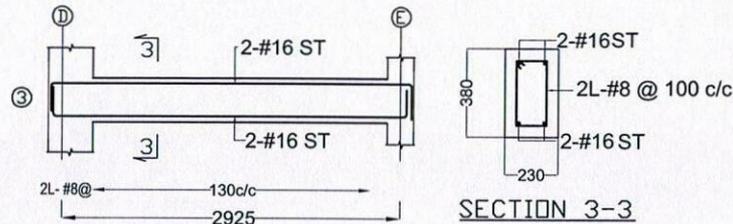


SECTION 1-1



PB2 - 230X380

SECTION 2-2



PB3 - 230X380

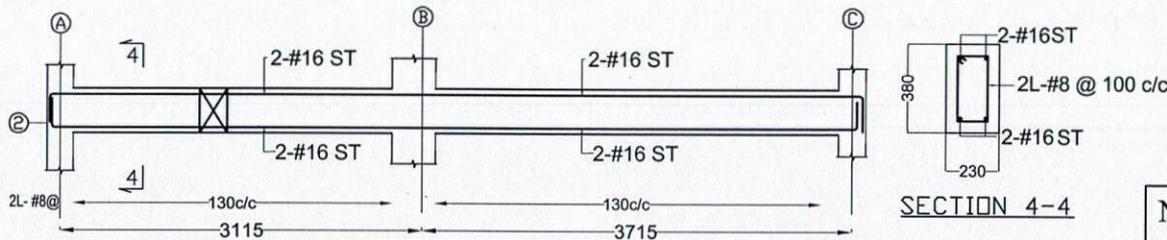
SECTION 3-3

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

16/10/25

16/10/25



PB4 - 230X380

SECTION 4-4

//APPROVED//

Sd/- 16-10-2025

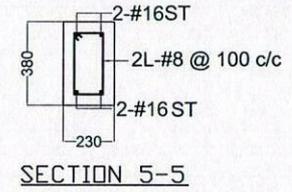
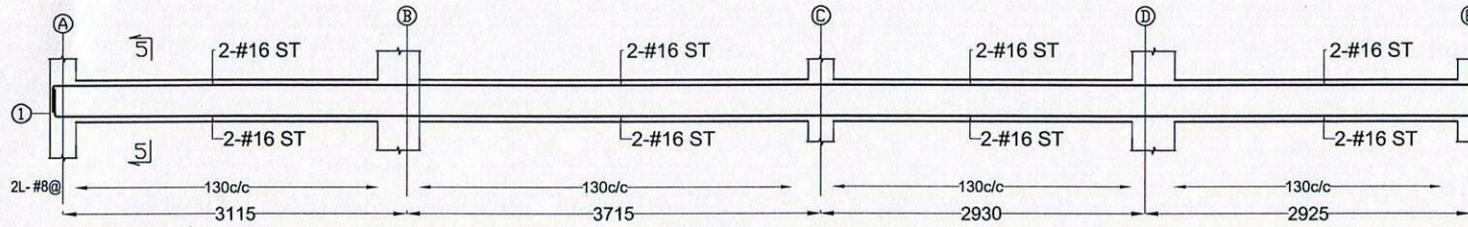
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

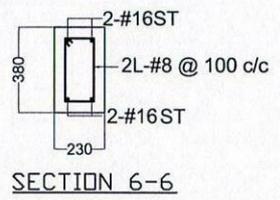
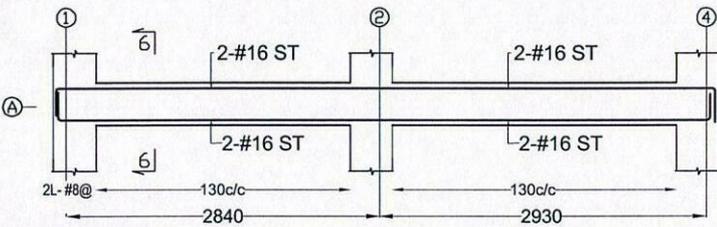
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title : PLINTH BEAM DETAILS (1 of 3 Sheets)
Drg.NO : PR / HEALTH CLINICS / ZII / SD /10(Sheet 1)
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

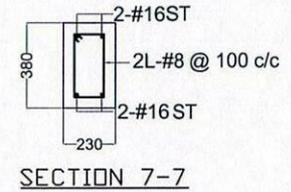
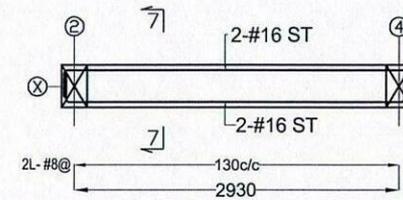
SEISMIC ZONE II



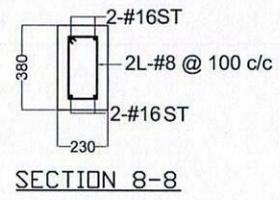
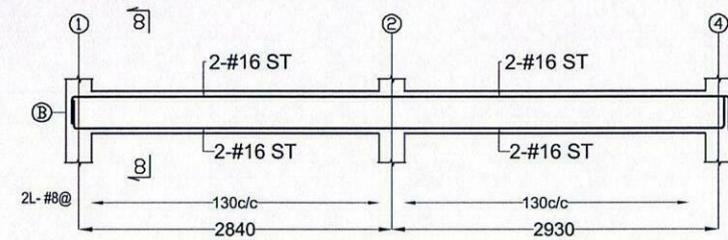
PB5 - 230X380



PB6 - 230X380



PB7 - 230X380



PB8 - 230X380

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER,PR-I
PRED,Vijayawada.

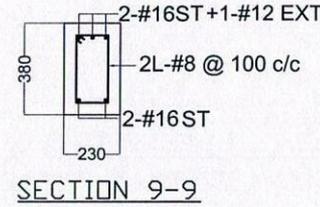
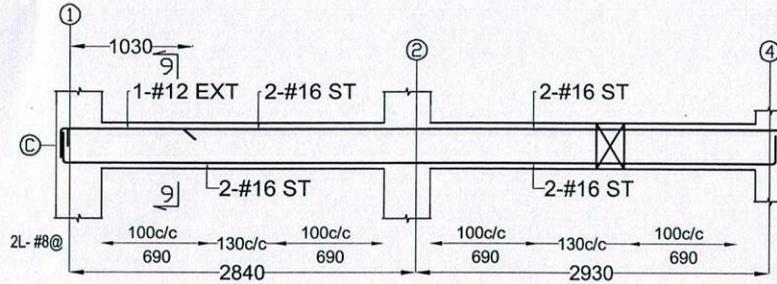
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 Dy. Executive Engineer,PR (Designs)
16/10/25

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

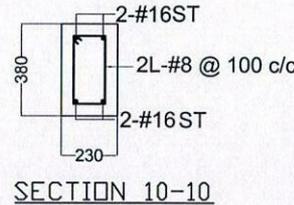
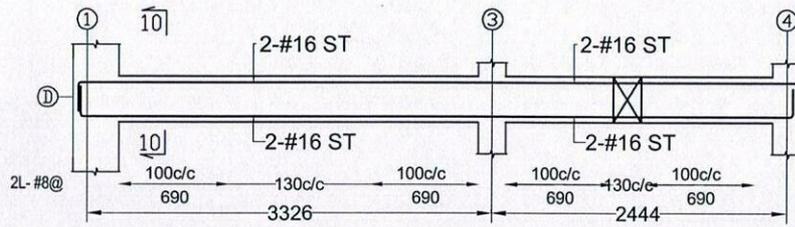
NAME OF WORK :
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title : PLINTH BEAM DETAILS (2 of 3 Sheets)
Drg.NO : PR / HEALTH CLINICS / ZII / SD / 10 (Sheet 2)
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

SEISMIC ZONE II

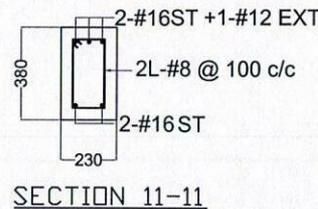
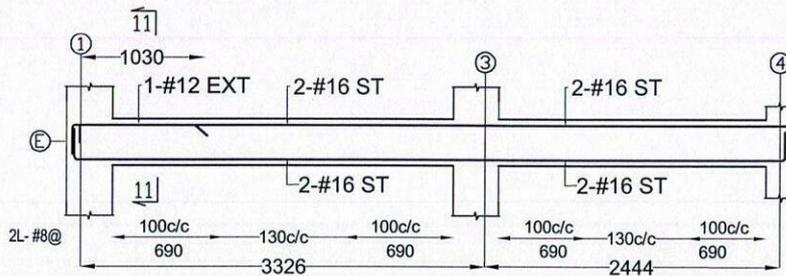


PB9 - 230X380

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PB10 - 230X380



PB11 - 230X380

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NAME OF WORK :

ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : PLINTH BEAM DETAILS (3 of 3 Sheets)

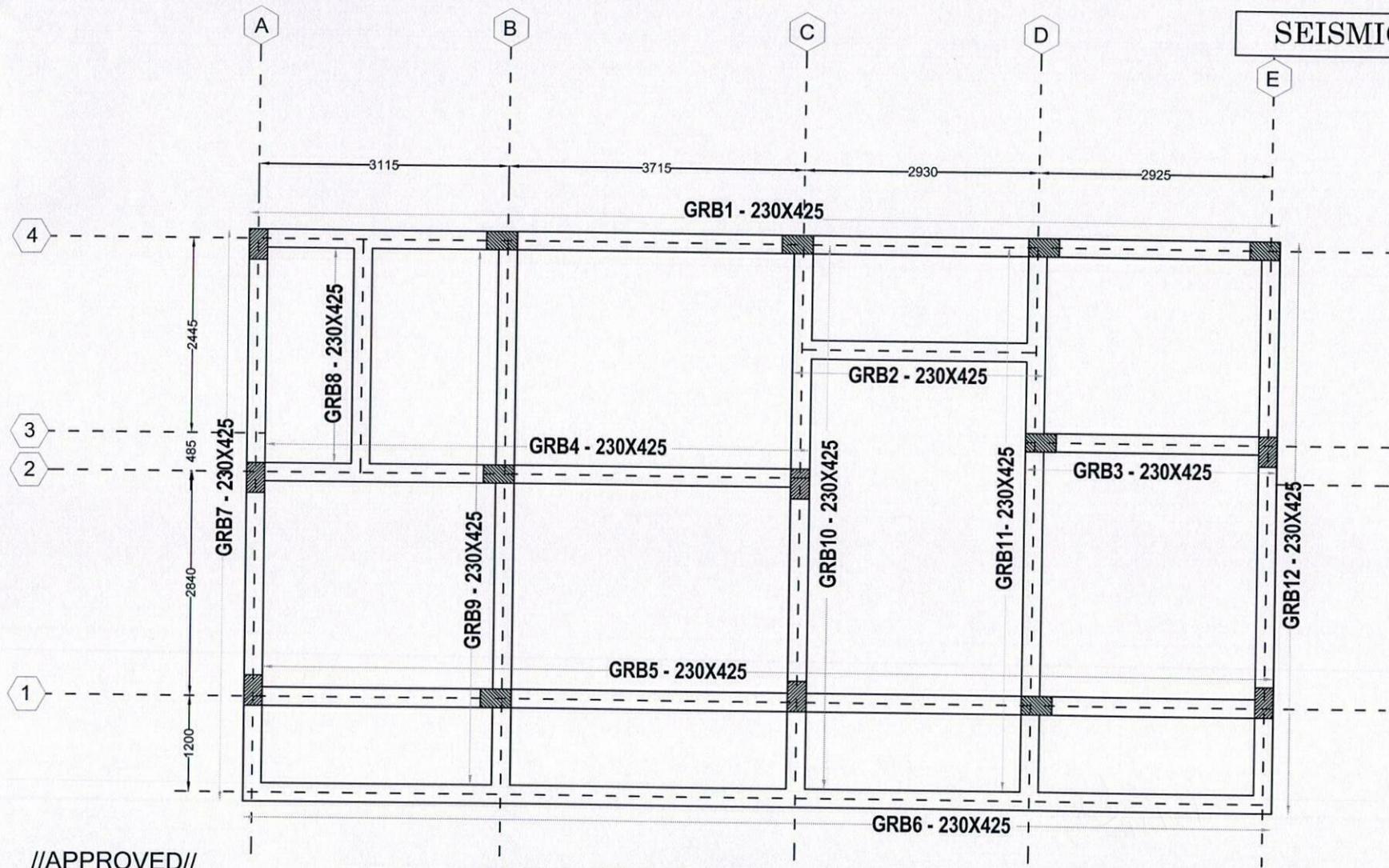
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PANCHAYATI RAJ ENGINEERING DEPARTMENT
 VIJAYAWADA.

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

SEISMIC ZONE II



GROUND ROOF BEAM LAYOUT

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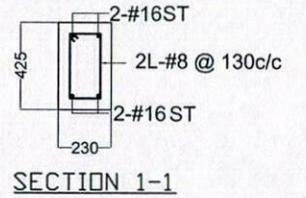
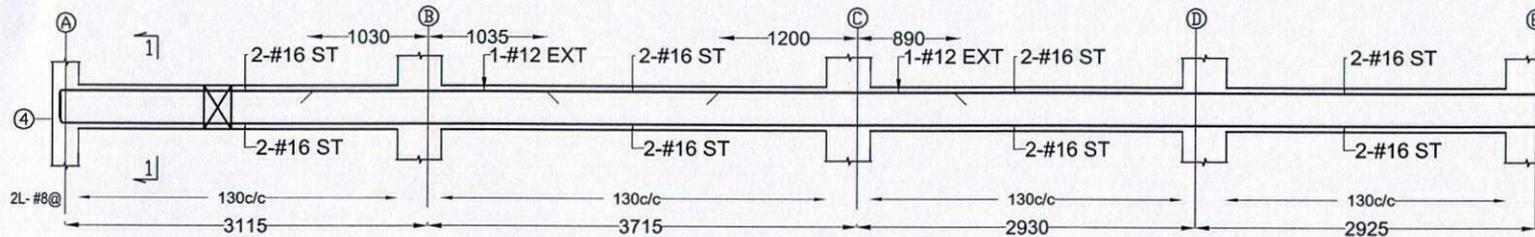
ALL SLABS ARE 125mm THICK UNLESS OTHERWISE SPECIFIED

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

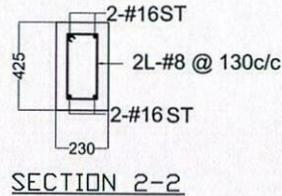
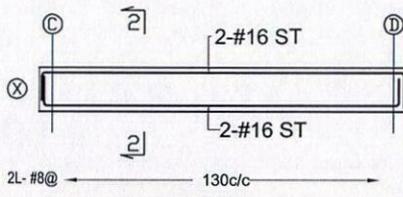
V.V
16/10/25
 Dy. Executive Engineer, PR (Designs)
Ch 16/10/25

NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	GROUND ROOF BEAM LAYOUT
Drg.NO :	PR / HEALTH CLINICS / ZII / SD / 11
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

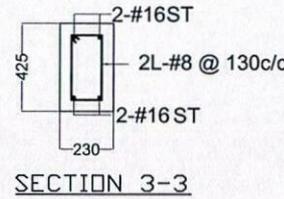
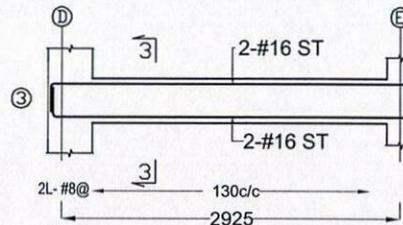
SEISMIC ZONE II



GRB1 - 230X425

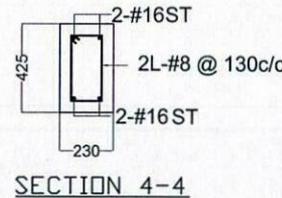
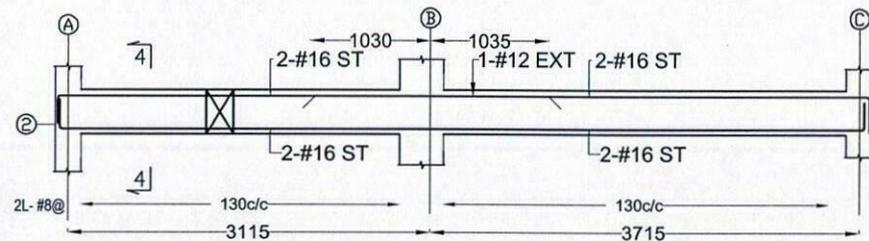


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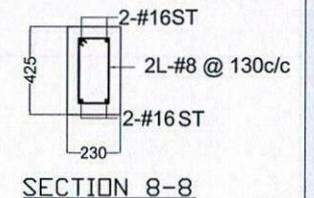
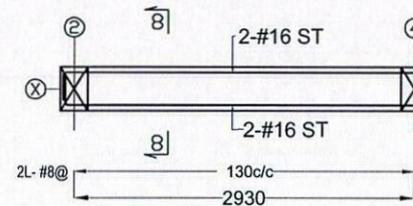


GRB3 - 230X425

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GRB4 - 230X425



GRB8 - 230X425

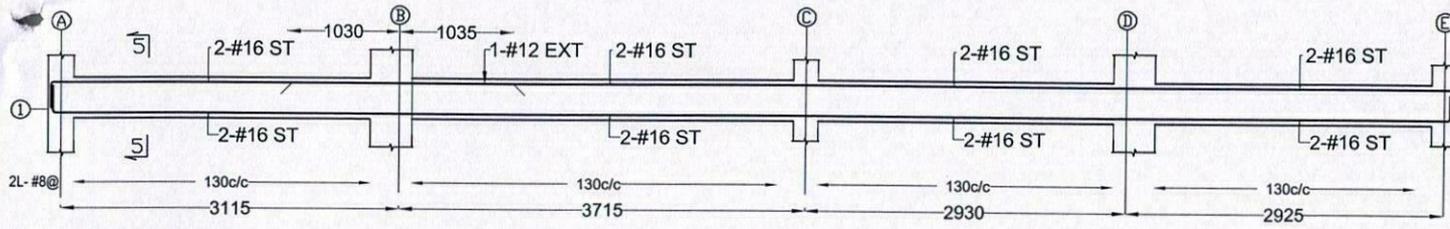
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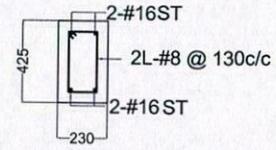
FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK : ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title :GROUND ROOF BEAM DETAILS (1 of 3 Sheets)
Drg.NO : PR / HEALTH CLINICS / ZII / SD / 12 (Sheet 1)
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

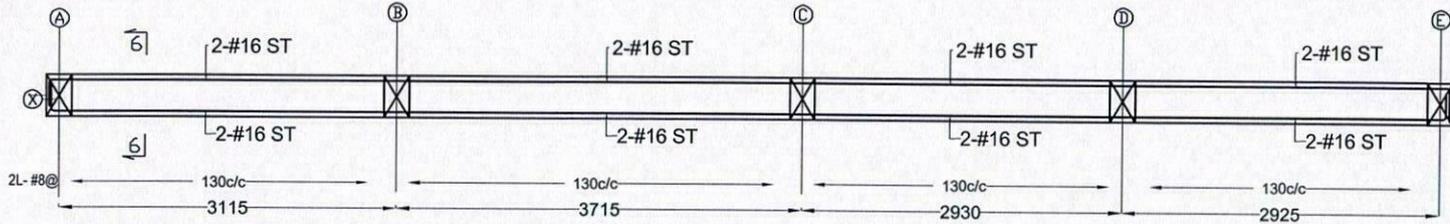
SEISMIC ZONE II



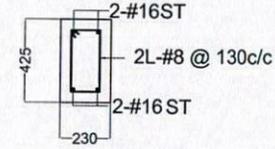
GRB5 - 230X425



SECTION 5-5

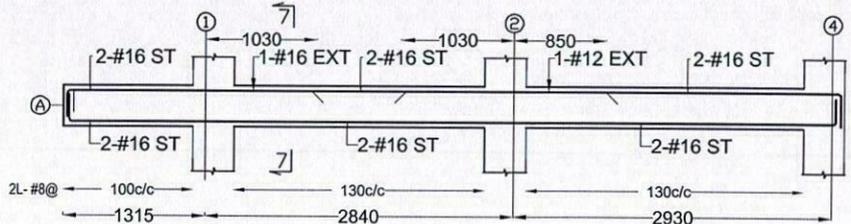


GRB6 - 230X425

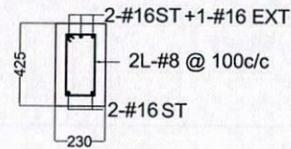


SECTION 6-6

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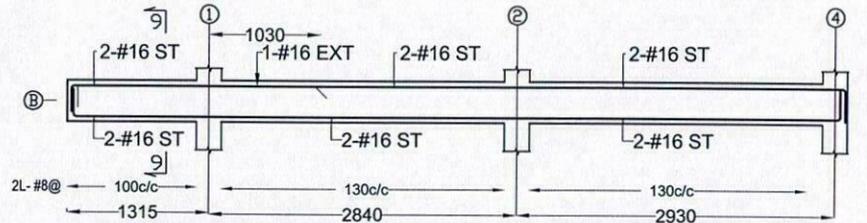
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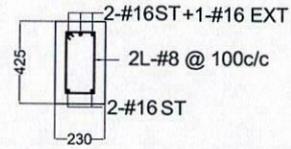
SECTION 7-7

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GRB9 - 230X425

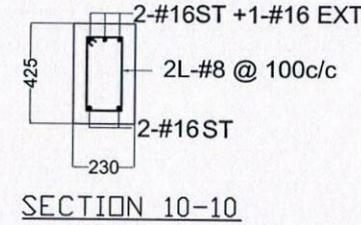
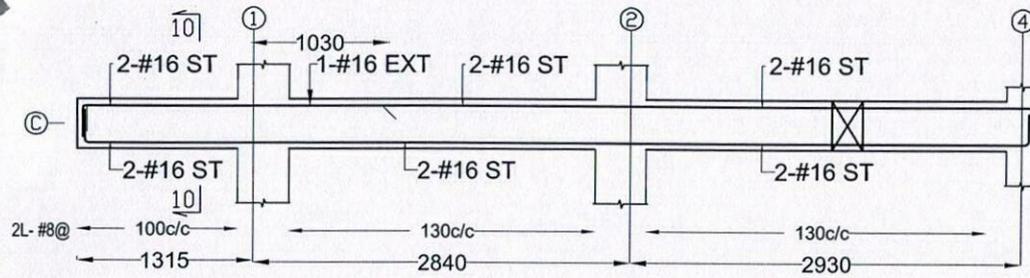


SECTION 9-9

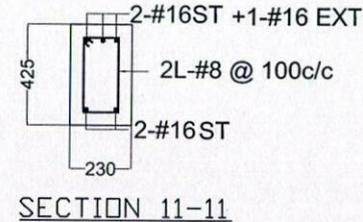
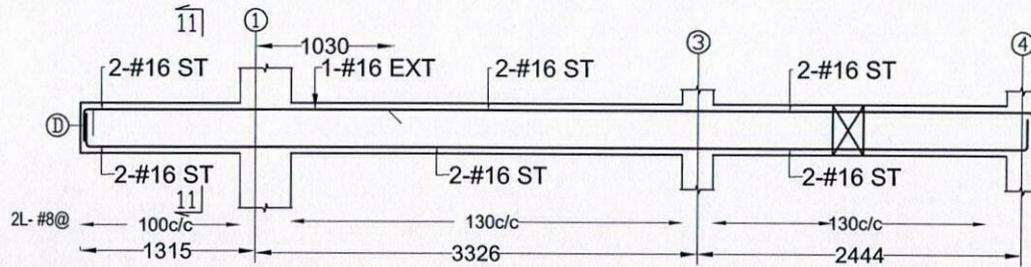
FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title :GROUND ROOF BEAM DETAILS (2 of 3 Sheets)
Drg.NO : PR / HEALTH CLINICS / ZII / SD / 12 (Sheet 2)
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

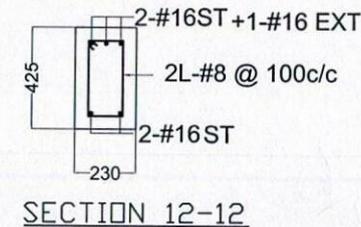
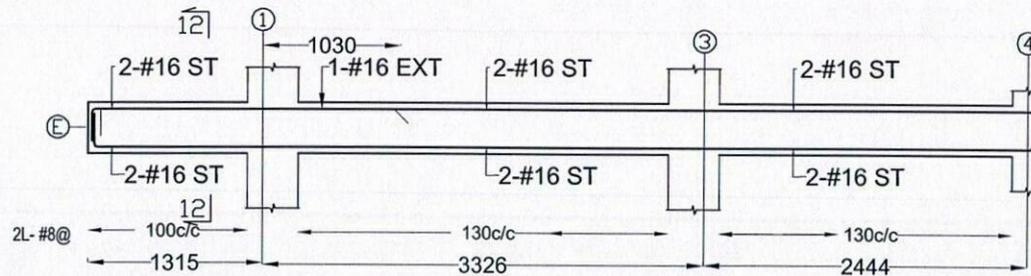
SEISMIC ZONE II



GRB10 - 230X425



GRB11 - 230X425



GRB12 - 230X425

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 Dy. Executive Engineer, PR (Designs)

Ch
16/10/25

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :

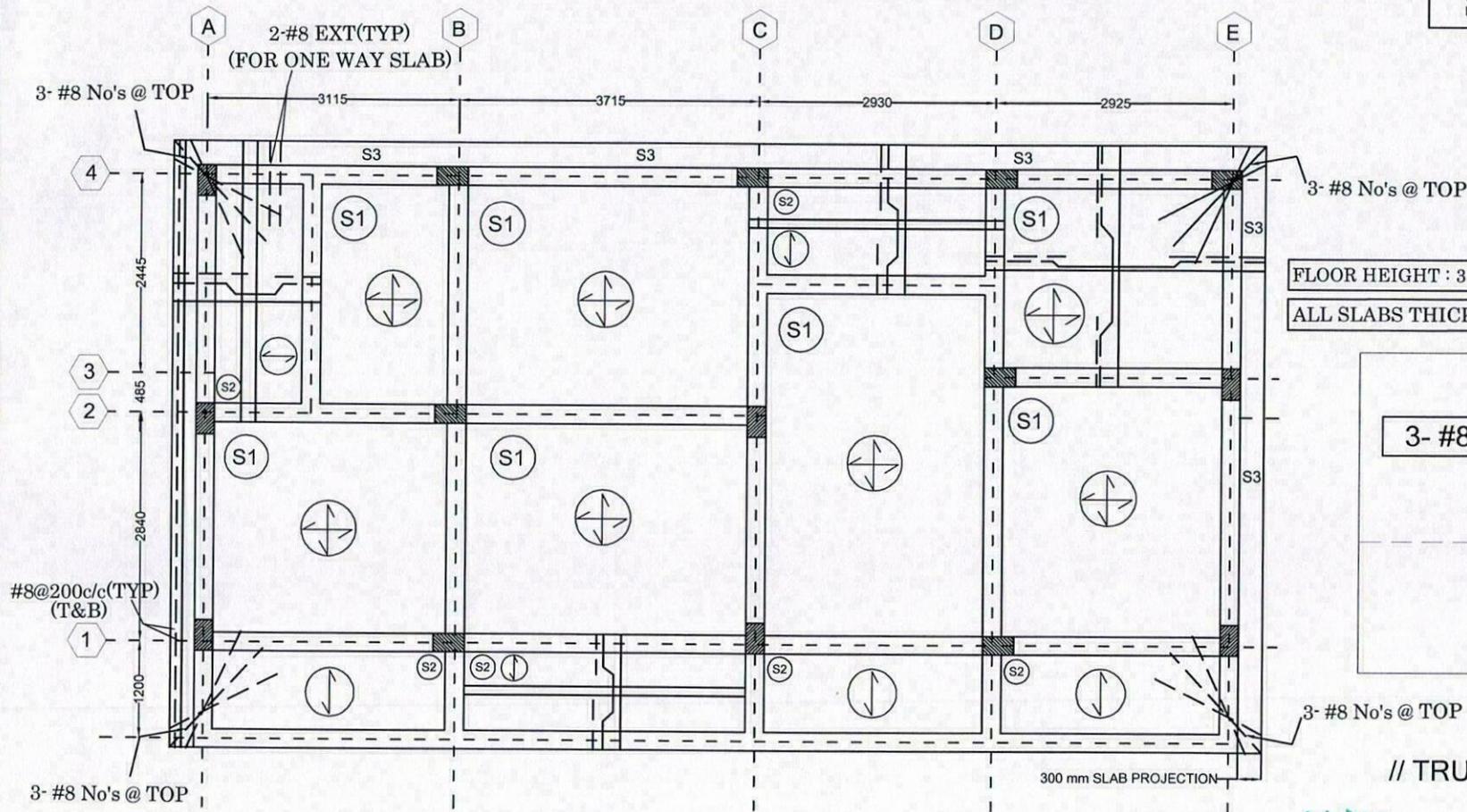
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg.Title : GROUND ROOF BEAM DETAILS (3 of 3 Sheets)

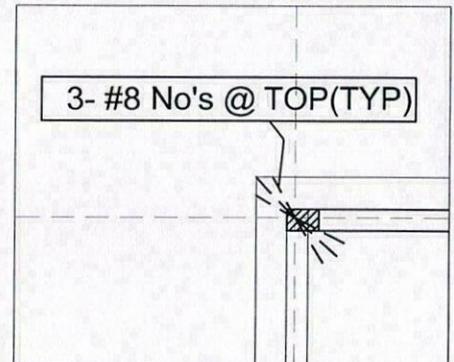
Drg.NO : PR / HEALTH CLINICS / ZII / SD / 12 (Sheet 3)

PANCHAYATI RAJ ENGINEERING DEPARTMENT
 VIJAYAWADA.

SEISMIC ZONE II



FLOOR HEIGHT : 3.30 M
ALL SLABS THICKNESS 125MM



3- #8 No's @ TOP

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GROUND FLOOR SLAB LAYOUT & REINFORCEMENT SCHEDULE

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Ch 16/10/25

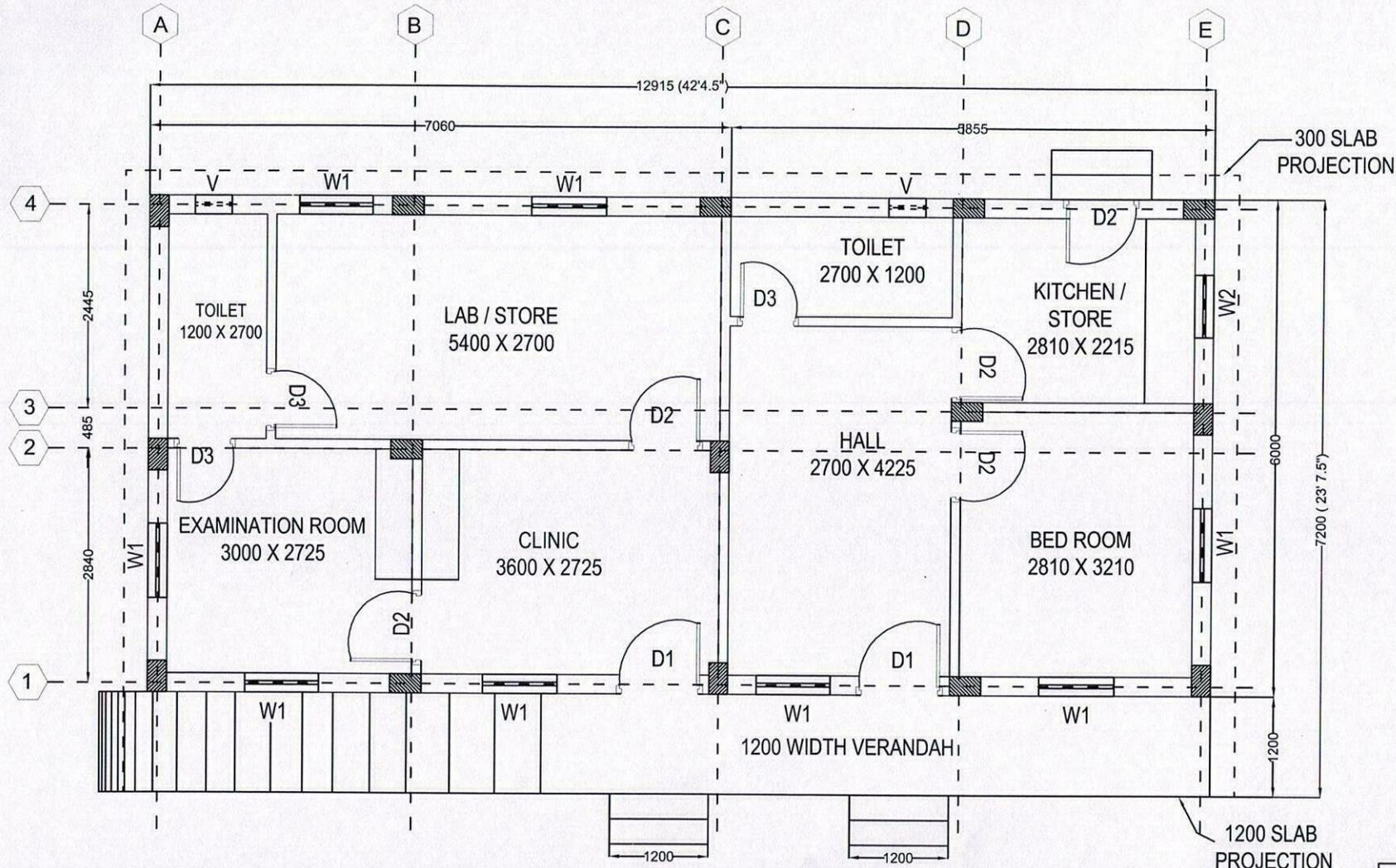
NOTATION OF SLAB	THICKNESS OF SLAB	TYPE OF SLAB	REINFORCEMENT			
			SHORT SPAN		LONG SPAN	
			BOTTOM	TOP EXTRA	BOTTOM	TOP EXTRA
S1	125mmThk		8φ@175c/c	1-8φ(EXT)	8φ@175c/c	1-8φ(EXT)
S2	125mmThk		8φ@175c/c	1-8φ(EXT)	8φ@175c/c	-----
S3	125mmThk	FOR S3 CANTILEVER SLAB EXTEND TOP AND BOTTOM REINFORCEMENT FOR CANTILEVER LENGTH PROVIDE #8 @ 200mm C/C SPACING AS DISTRIBUTION STEEL.				

SLAB PROJECTION 300MM

SLAB THICKNESS 125MM

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CHIEF ENGINEER, PR-I
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NAME OF WORK : ESTABLISHMENT OF HEALTH CLINICS - HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title : GROUND FLOOR SLAB LAYOUT & REINFORCEMENT SCHEDULE
Drg.NO : PR / HEALTH CLINICS / ZII / SD / 13
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.



ARCHITECTURAL PLAN

PLINTH AREA: 1000 SFT

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16/10/25

NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS - HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	ARCHITECTURAL PLAN FOR GROUND FLOOR
Drg. NO :	PR / HEALTH CLINICS / AR / 01
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

NOTES:

- DO NOT SCALE THIS DRAWING. FOLLOW FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS ARE IN MM ONLY AND LEVELS ARE IN METERS UNLESS SPECIFIED.
- FOOTINGS ARE DESIGNED FOR DIFFERENT SBC'S OF 75 KN/m², 100 KN/m², 150 KN/m², 200 KN/m², 250 KN/m², 300 KN/m² & 350 KN/m² AT A DEPTH OF 1.9m BELOW GROUND LEVEL.
- ALL THE SE'S ARE REQUESTED TO GET THE SOIL TEST DONE AT THE PROPOSED SITES AND ADOPT RESPECTIVE FOOTING DRAWINGS CORRESPONDING TO THE SBC'S GIVEN AS PER SOILTESTREPORT BEFORE EXECUTION.

4. USE VIBRATED REINFORCED CONCRETE CONFIRMING TO IS : 456-2000. THE GRADES FOR DIFFERENT COMPONENTS ARE AS FOLLOWS

Component	Footing	Pedestal & Columns	Beams	Slabs
Mix	M25	M25	M25	M25

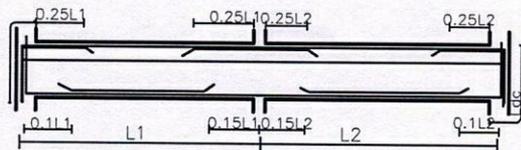
- GRADE OF STEEL SHALL BE Fe500. EXCEPT WHEREVER INDICATED.
* IT SHOULD BE ENSURED THAT THE ABOVE STEEL IS PRODUCED BY THERMOMECHANICAL TREATMENT PROCESS, HAVING ELONGATION MORE THAN 14.5% AND CONFIRMING TO IS 1786-85 & ITS AMENDMENTS
- CONCRETE LAID IN THE FORM WORK SHALL INVARIABLY VIBRATED TO OBTAIN MAX. DENSITY AND COMPACTION.
- PROVISIONS MADE IN IS 456-2000, AND SP34 AND OTHER RELEVANT CODES SHOULD BE STRICTLY ADHERED TO, DURING EXECUTION.
- LAPS SHALL BE STAGGERED AND LAP LENGTHS ARE AS FOLLOWS.

Mix	M25
Ld	49 Dia Tension / 39 Dia Compression

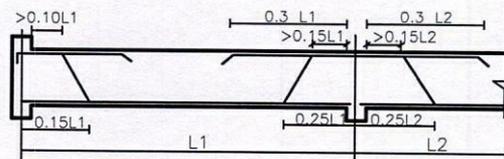
- NOT MORE THAN 50% OF COLUMN REINFORCEMENT SHALL BE LAPPED AT A PARTICULAR LOCATION.
- CLEAR COVERS ARE AS FOLLOWS

FOOTING TO MAIN BAR	PEDESTAL TO STRIRIUPS	COLUMN TO STRIRIUPS	BEAMS TO STRIRIUPS	SLABS & STAIR CASE TO MAIN BAR
50mm	40mm	40mm	25mm	20mm

- ANY LOOSE OR PROTRUDING BOULDERS SHALL BE REMOVED BEFORE LAYING FOUNDATION CONCRETE AND SHALL BE FILLED WITH PCC (1:4:8).
- WHEREVER NECESSARY DRILLING SHALL BE RESORTED TO, IN HARD SHEET ROCK ONLY.
- STIRRUPS SHOULD HAVE STANDARD HOOK AS PER SP-34
- EXTRA BARS AT TOP FOR BEAM SHALL BE EXTENDED UPTO 0.25L ON EITHER SIDE FROM THE FACE OF EDGE MEASURED FROM CENTER OF SUPPORT. WHERE 'L' IS c/c OF SUPPORTS. THE CURTAILMENT OF BOTTOM BARS AT 0.1 L FROM DISCONTINUOUS EDGE AND 0.15 L FROM CONTINUOUS EDGE.

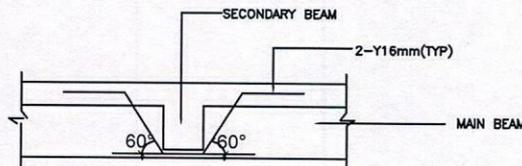


TYPICAL DETAILS OF A BEAM



TYPICAL DETAILS OF A SLAB

- SLAB BARS ARE TO BE CRANKED AT 0.25 L FROM CENTRE OF SUPPORT NEAR CONTINUOUS EDGES AND 0.15 L FROM CENTRE OF SUPPORT NEAR DISCONTINUOUS EDGES.
- IN SLABS EXTRA BARS OVER CONTINUOUS SUPPORT SHOULD BE TAKEN UPTO 0.3L FROM THE FACE OF BEAM. CRANK BARS AT CONTINUOUS SUPPORT SHOULD NOT BE TERMINATED ON BEAM AND SHOULD BE EXTENDED UPTO 0.3L FROM FACE OF SUPPORT INTO THE ADJACENT SPAN.
- DISTRIBUTION STEEL IN SLAB FOR CRANKED BARS AND TOP EXTRA BARS SHALL BE 8 TOR @ 175 C/C
- THE REINFORCEMENT SHALL BE CHECKED BEFORE LAYING CONCRETE.
- WHEREVER, THE SECONDARY BEAM RESTS ON MAIN BEAM THE ARRANGEMENT OF BENT UP HANGER BARS SHALL BE PROVIDED AS GIVEN BELOW:



- IN BEAMS & SLABS, OVERLAPPING SHALL NOT BE PROVIDED OVER SUPPORTS FOR TOP BARS AND AT MID SPAN FOR BOTTOM BARS.
- WHEREVER REINFORCEMENT IS PROVIDED IN TWO LAYERS IN BEAMS SPACER BAR SHALL BE PROVIDED TO MAINTAIN 25MM GAP OR MAXIMUM DIA OF MAIN BAR, WHICH EVER IS MORE, BETWEEN TWO LAYERS.
- WHEN SPAN IS MORE THAN 6.0M PROVIDE A CAMBER OF SPAN/250 FOR BEAMS & SLABS.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
- THIS BUILDING IS DESIGNED FOR G+1 STOREYS AND FOR BASIC WIND SPEED 50 m/s AND FOR SEISMIC ZONE -III
- FLOOR TO FLOOR HEIGHT IS CONSIDERED AS GROUND FLOOR HEIGHT - 3.30 m
- CURING SHOULD BE DONE AT LEAST FOR 21 DAYS
- STRIPPING TIME OF FORMWORK SHALL CONFORM TO CLAUSE 11.3 OF IS 456-2000
- WATER TANK LOADS ARE CONSIDERED ABOVE TOILETS IN BETWEEN THE GRIDS OF ②-③ & ③-④

LEGEND:

- F.F.L : Finished Floor Level.
- F.G.L : Finished Ground Level
- TOB : Top of beam
- S.F.L : Structural finished Level

IMPORTANT NOTE:

- THE RESPONSIBILITY FOR FIXING OF F.G.L AND .F.L ARE LIES WITH THE SE/E.E CONCERNED.
- PRIOR PERMISSION FOR ANY DEVIATION AND FINANCIAL IMPLICATIONS HAVE TO BE OBTAINED BEFORE EXECUTION OF WORK.
- BEFORE COMMENCEMENT OF WORK STRUCTURAL DRAWINGS SHALL HAVE TO BE VERIFIED WITH RESPECT TO THE APPROVED ARCHITECTURAL DRAWING.
- ANY ITEM OF WORK FOR WHICH STRUCTURAL DRAWINGS ARE COMMUNICATED BUT ARE NOT INCLUDED IN AGREEMENT PRIOR APPROVAL SHALL BE TAKEN FROM COMPETENT AUTHORITY BEFORE GROUNDING OF SUCH WORK.

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Dy. Executive Engineer, PR (Designs)

16/11/25

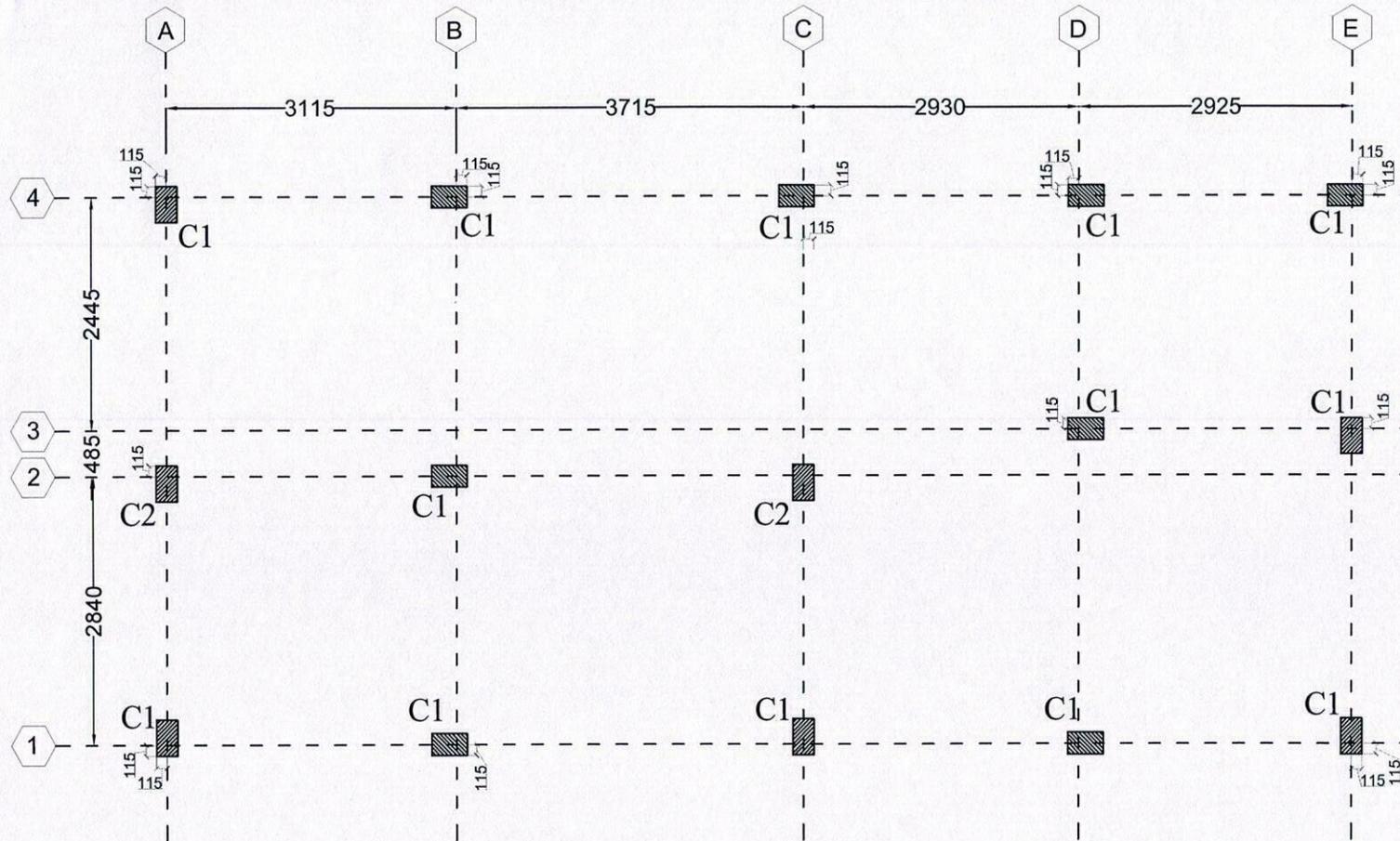
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ESTABLISHMENT OF HEALTH CLINICS -
HEALTH AND WELLNESS CENTERS AT
SECRETARIATS

Drg. Title : GENERAL NOTES

Drg. NO : PR / HEALTH CLINICS / ZIII / GEN/ 01

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SEISMIC ZONE III



FLOOR HEIGHT : 3.30 M

CLEAR COVER : SLAB : 20mm

BEAM : 25mm

COLUMN : 40mm

COLUMN & CENTRE LINE LAYOUT

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Sd/- 16-10-2025

CHIEF ENGINEER, PR-I
PRED, Vijayawada.

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V.V. [Signature]
16/10/25
Dy. Executive Engineer, PR (Designs)

[Signature]
16/10/25

NAME OF WORK :

ESTABLISHMENT OF HEALTH CLINICS -
HEALTH AND WELLNESS CENTERS AT
SECRETARIATS

Drg. Title : COLUMN CENTERLINE LAYOUT

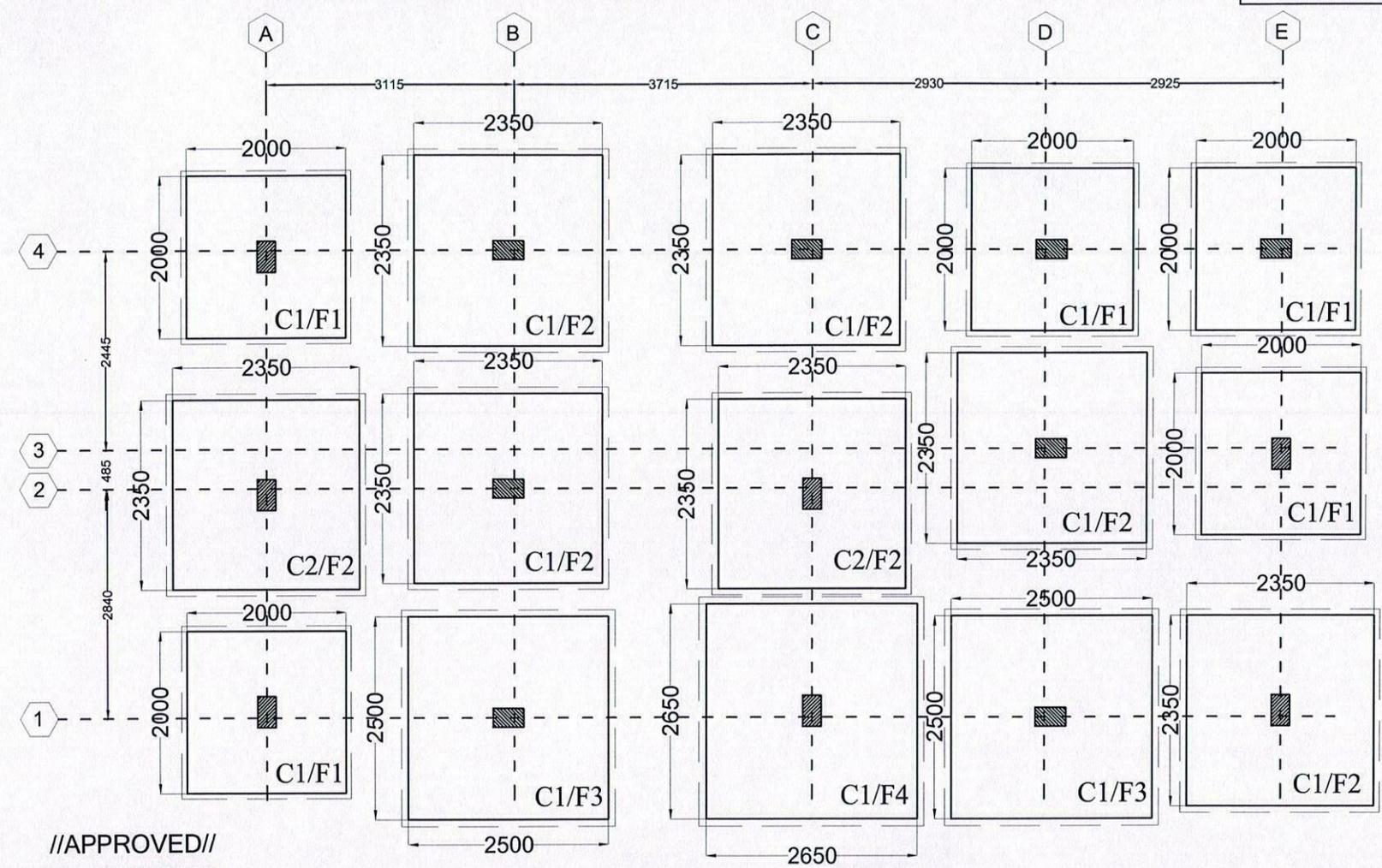
Drg. NO : PR / HEALTH CLINICS / ZIII/ SD / 01

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

SEISMIC ZONE III



//APPROVED//

Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -75 KN/m², Fe500, M25

FOR SBC -75 KN/m²

CLEAR COVER : SLAB : 20mm
 BEAM : 25mm
 COLUMN : 40mm

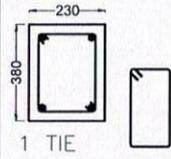
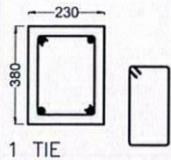
FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

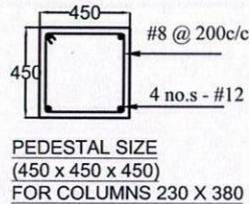
// TRUE COPY //

Handwritten signature and date:
 Dy. Executive Engineer, PR (Designs)
 16/10/25

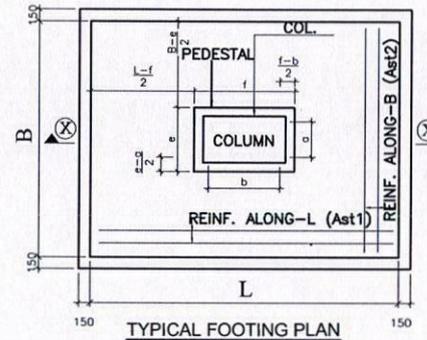
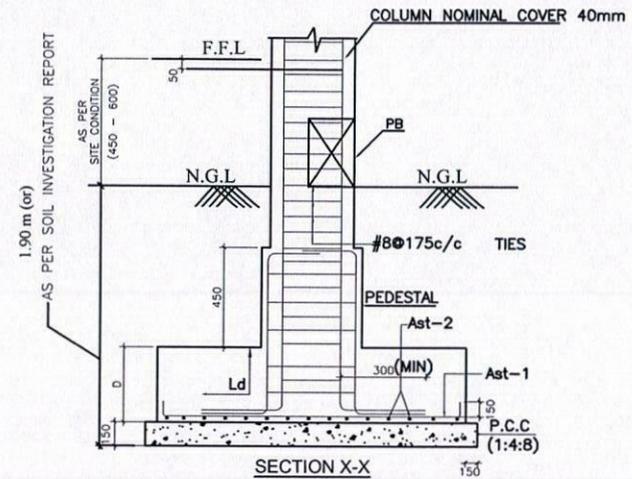
NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	FOOTING LAYOUT (for SBC 75 KN / m ²)
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 02
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	



SEISMIC ZONE III



SCHEDULE OF FOOTINGS FOR SBC -75 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	2000 X 2000	300	Y 10- 13 Nos	Y 10- 13 Nos
F2	M25	2350 X 2350	350	Y 10- 18 Nos	Y 10- 18 Nos
F3	M25	2500 X 2500	375	Y 10- 21 Nos	Y 10- 21 Nos
F4	M25	2650 X 2650	400	Y 10- 24 Nos	Y 10- 24 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -75 KN/m²

NOTE:

- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
- FOOTINGS DESIGNED FOR SBC OF 75 KN/m²

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

V.V. - [Signature]
16/10/25
C2
16/10/25

NAME OF WORK :

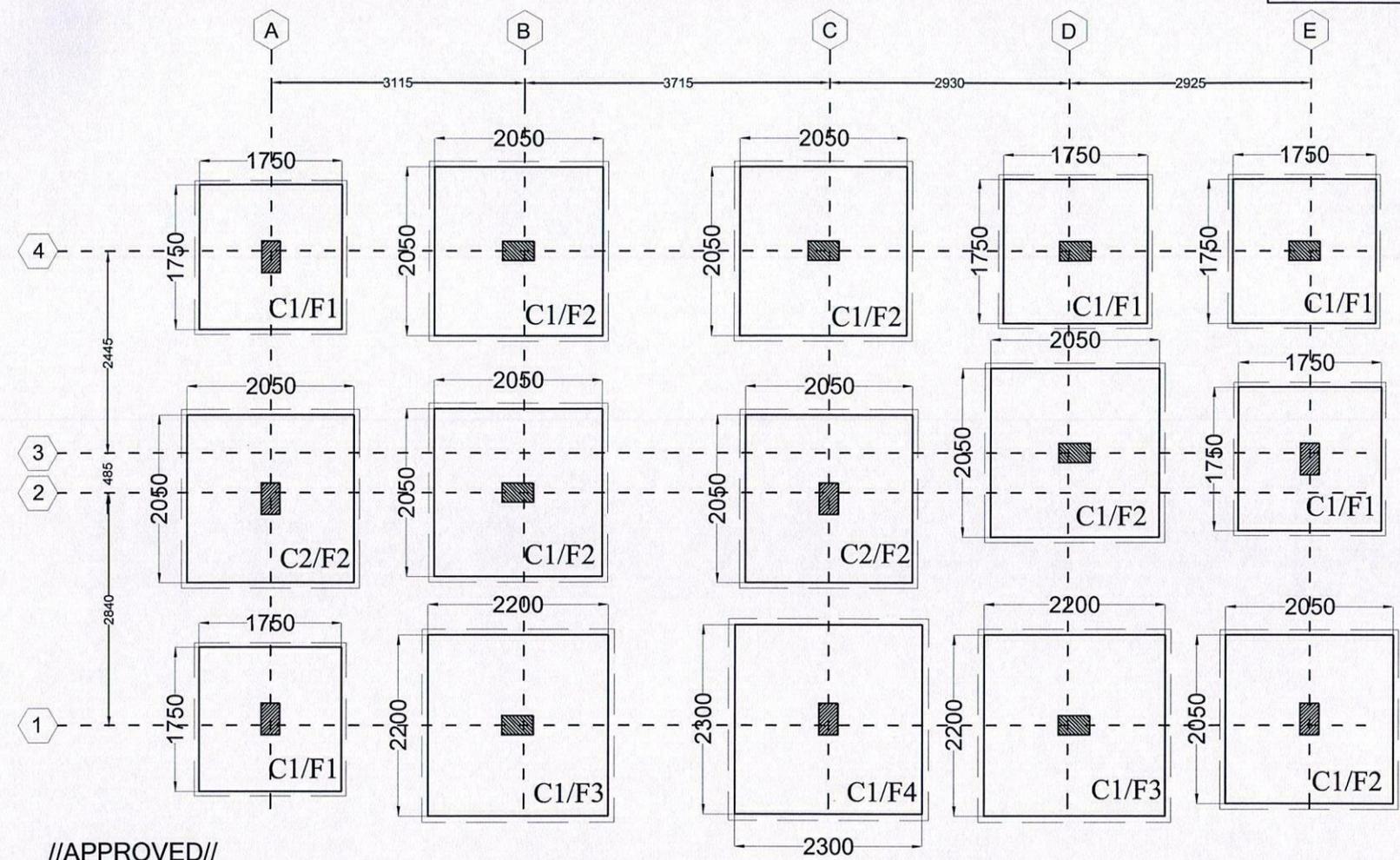
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 75 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 2A

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SEISMIC ZONE III



//APPROVED//

Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -100 KN/m², Fe500, M25

FOR SBC -100 KN/m²

CLEAR COVER : SLAB : 20mm
 BEAM : 25mm
 COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

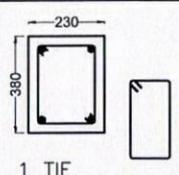
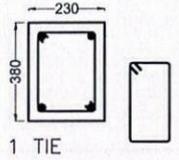
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

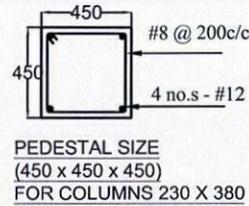
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V.V.
16/10/25
 Dy. Executive Engineer, PR (Designs)
Ch
16/10/25

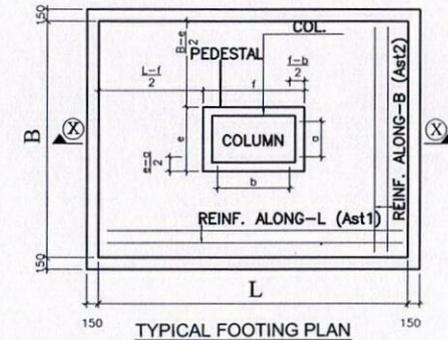
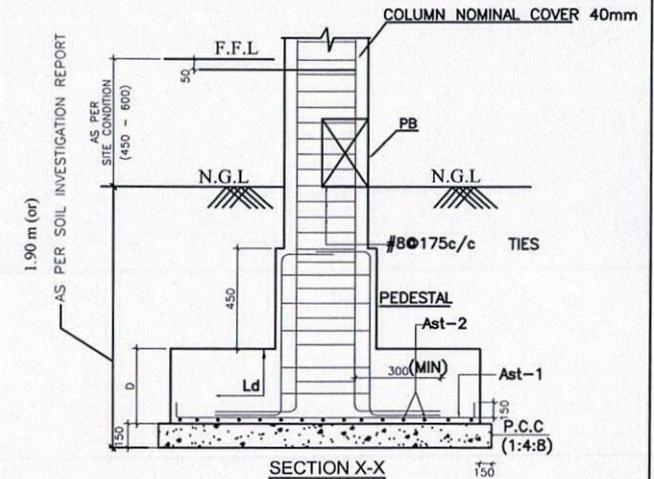
NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	FOOTING LAYOUT (for SBC 100 KN / m ²)
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 03
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	



SEISMIC ZONE III



SCHEDULE OF FOOTINGS FOR SBC -100 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1750 X 1750	300	Y 10- 12 Nos	Y 10- 12 Nos
F2	M25	2050 X 2050	350	Y 10- 16 Nos	Y 10- 16 Nos
F3	M25	2200 X 2200	375	Y 10-19 Nos	Y 10-19 Nos
F4	M25	2300 X 2300	400	Y 10- 21 Nos	Y 10- 21 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -100 KN/m²

NOTE:

- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
- FOOTINGS DESIGNED FOR SBC OF 100 KN/m²

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :

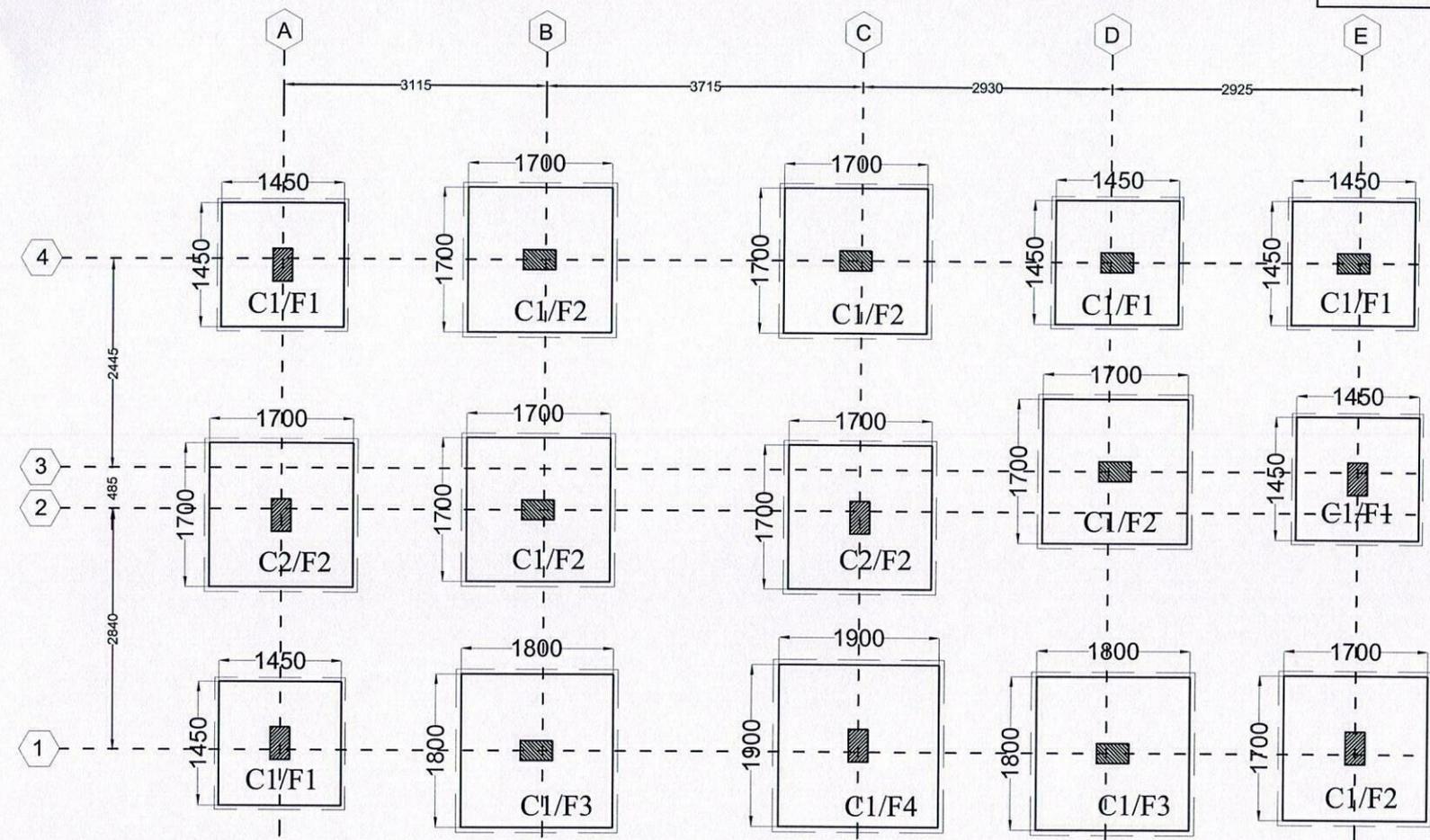
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 100 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 3A

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SEISMIC ZONE III



//APPROVED//

Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -150 KN/m², Fe500, M25

FOR SBC -150 KN/m²

CLEAR COVER : SLAB : 20mm
 BEAM : 25mm
 COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

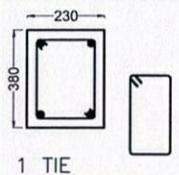
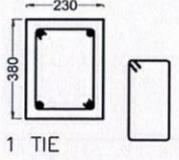
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

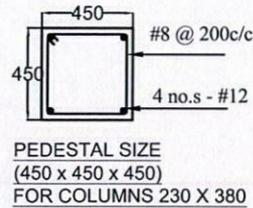
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V.V.
16/10/25
 Dy. Executive Engineer, PR (Designs)
Cb
16/10/25

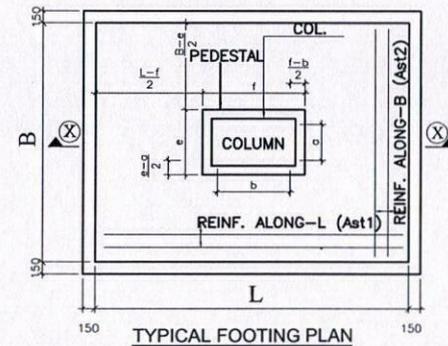
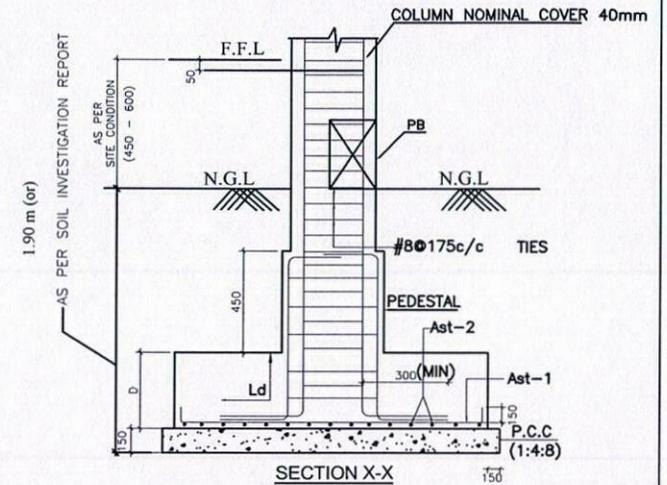
NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	FOOTING LAYOUT (for SBC 150 KN / m ²)
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 04
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	



SEISMIC ZONE III



SCHEDULE OF FOOTINGS FOR SBC -150 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1450 X 1450	300	Y 10- 09 Nos	Y 10- 09 Nos
F2	M25	1700 X 1700	350	Y 10- 13 Nos	Y 10- 13 Nos
F3	M25	1800 X 1800	350	Y 10- 14 Nos	Y 10- 14 Nos
F4	M25	1900 X 1900	375	Y 10- 16 Nos	Y 10- 16 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -150 KN/m²

NOTE:

- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
- FOOTINGS DESIGNED FOR SBC OF 150 KN/m²

// TRUE COPY //

Handwritten signature and date: 16/10/25
Dy. Executive Engineer, PR (Designs)

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :

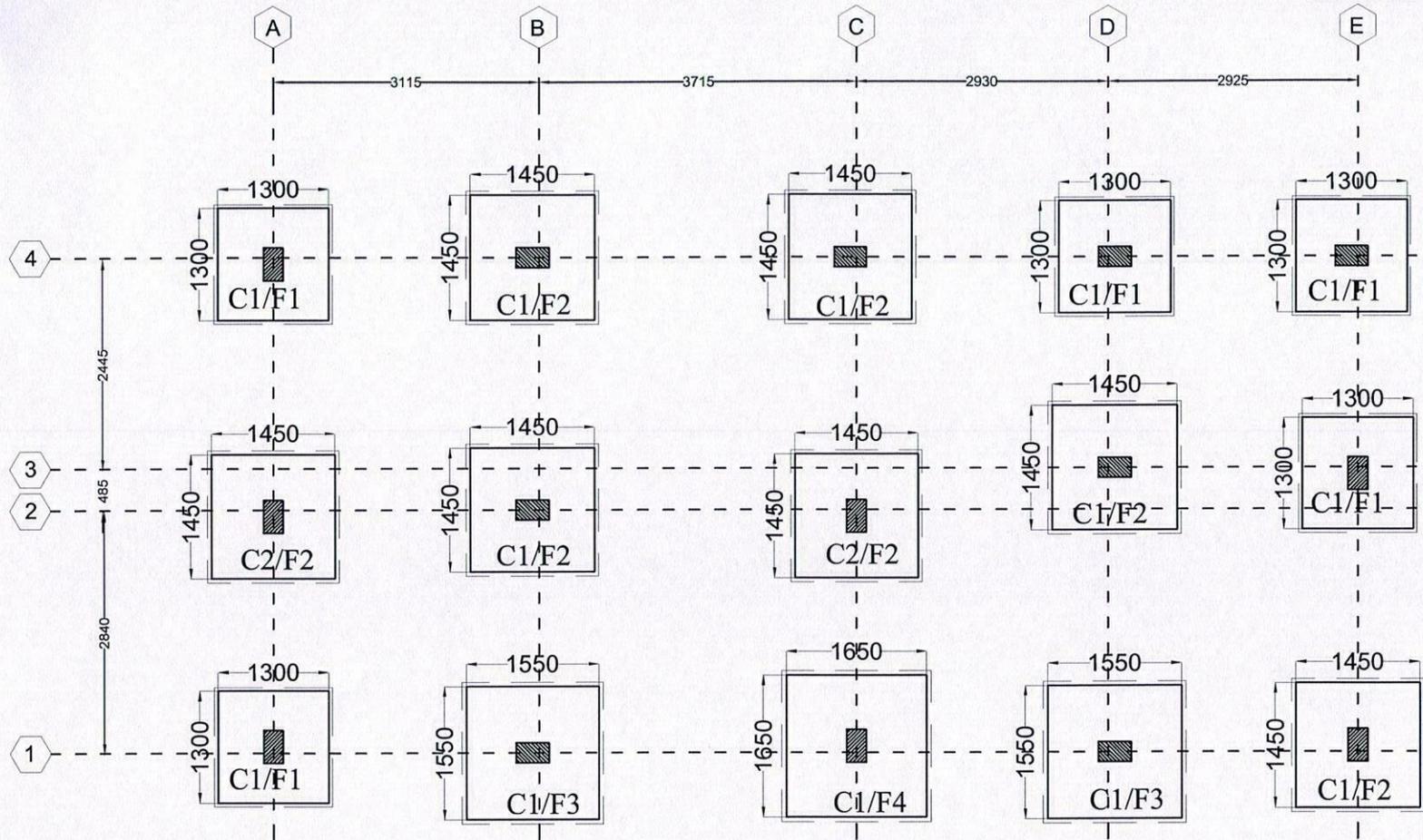
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 150 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 4A

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SEISMIC ZONE III



//APPROVED//

Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -200 KN/m², Fe500, M25

FOR SBC -200 KN/m²

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

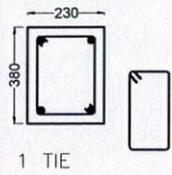
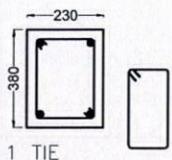
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

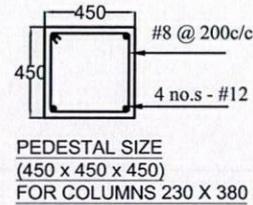
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V-Y
16/10/25
Dy. Executive Engineer, PR (Designs)
16/10/25

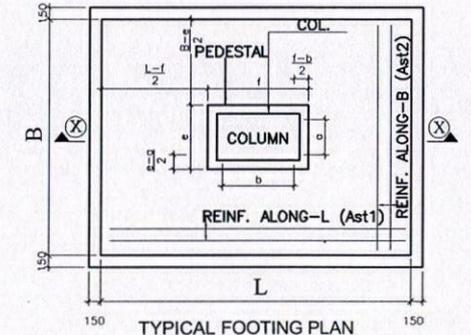
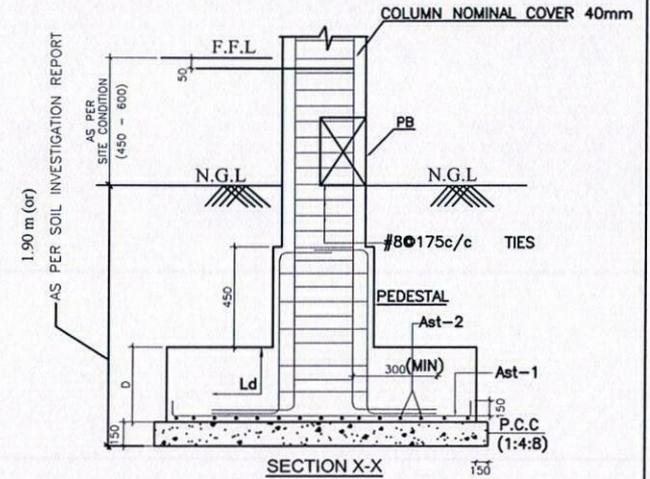
NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	FOOTING LAYOUT (for SBC 200 KN / m ²)
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 05
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	
C2	230 x 380	•4-#20mm	



SEISMIC ZONE III



SCHEDULE OF FOOTINGS FOR SBC -200 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1300 X 1300	300	Y 10- 08 Nos	Y 10- 08 Nos
F2	M25	1450 X 1450	325	Y 10- 11 Nos	Y 10- 11 Nos
F3	M25	1550 X 1550	350	Y 10- 12 Nos	Y 10- 12 Nos
F4	M25	1650 X 1650	375	Y 10- 14 Nos	Y 10- 14 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -200 KN/m²

NOTE:

- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
- FOOTINGS DESIGNED FOR SBC OF 250 KN/m²

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

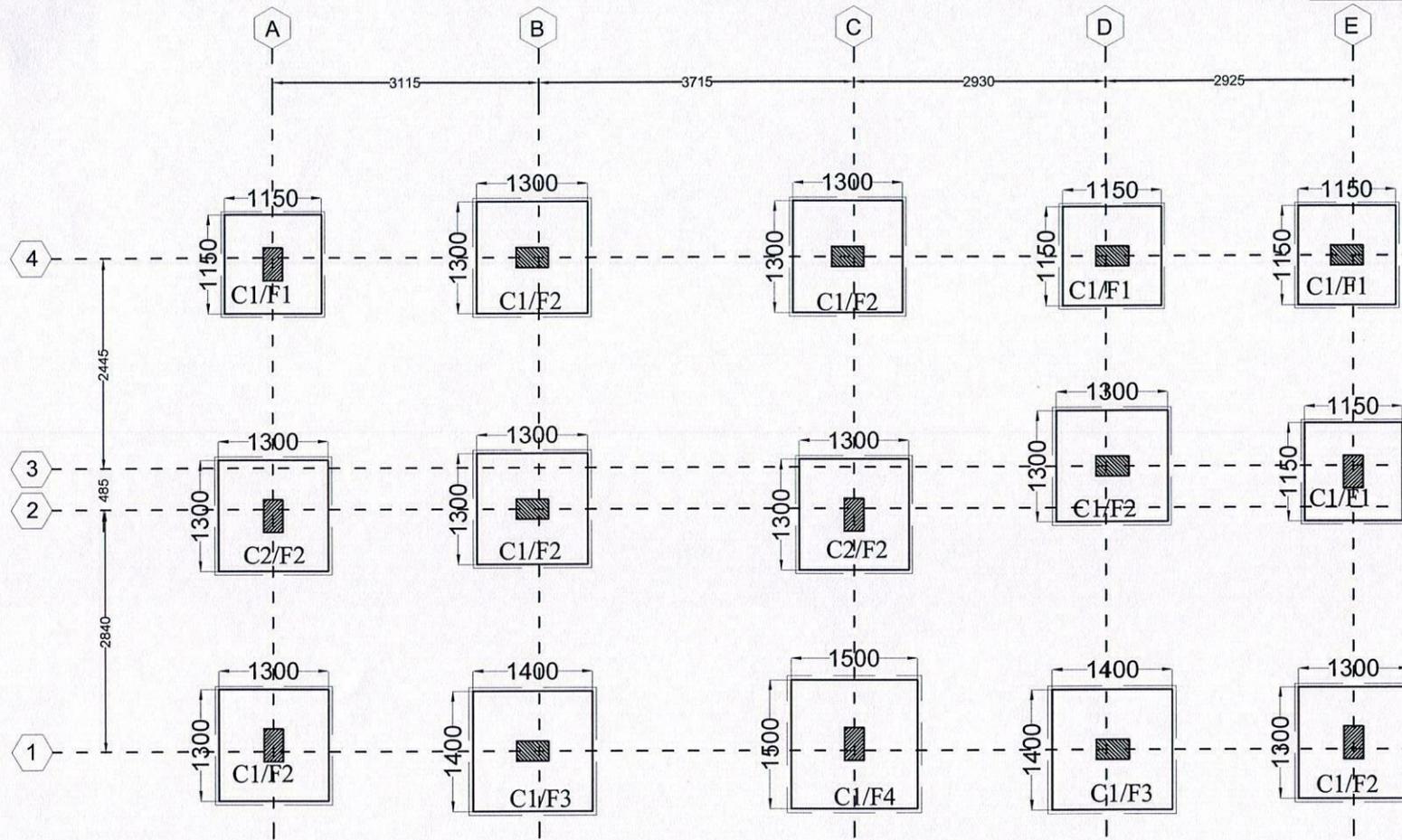
V.V.
16/10/25
Ch
16/10/25

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK : ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 200 KN / m ²)
Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 5A
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

SEISMIC ZONE III



//APPROVED//

Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -250 KN/m², Fe500, M25

FOR SBC -250 KN/m²

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

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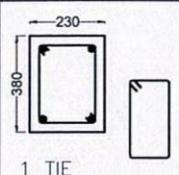
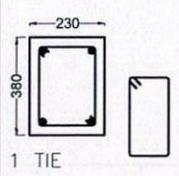
V.V.
16/10/25
Dy. Executive Engineer, PR (Designs)

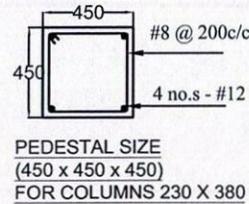
FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

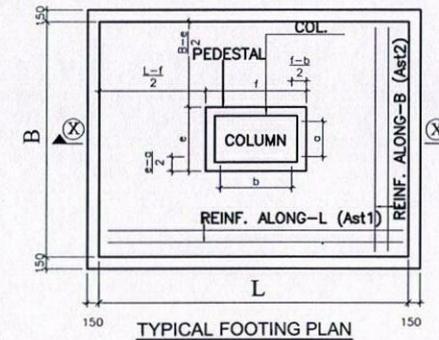
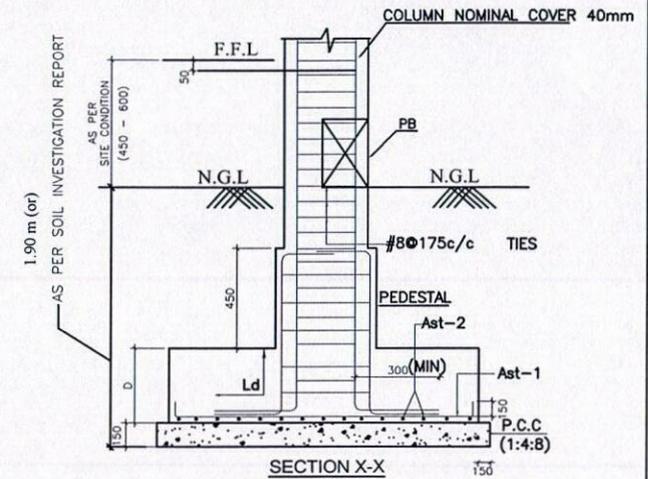
NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	FOOTING LAYOUT (for SBC 250 KN / m ²)
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 06
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	*4-#16mm	
C2	230 x 380	*4-#20mm	



SEISMIC ZONE III



SCHEDULE OF FOOTINGS FOR SBC -250 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1150 X 1150	300	Y 10- 06 Nos	Y 10- 06 Nos
F2	M25	1300 X 1300	300	Y 10- 09 Nos	Y 10- 09 Nos
F3	M25	1400 X 1400	325	Y 10- 10 Nos	Y 10- 10 Nos
F4	M25	1500 X 1500	350	Y 10- 12 Nos	Y 10- 12 Nos

//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -250 KN/m²

NOTE:

- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
- FOOTINGS DESIGNED FOR SBC OF 250 KN/m²

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

V.V.
16/10/25
Cj
16/10/25

NAME OF WORK :

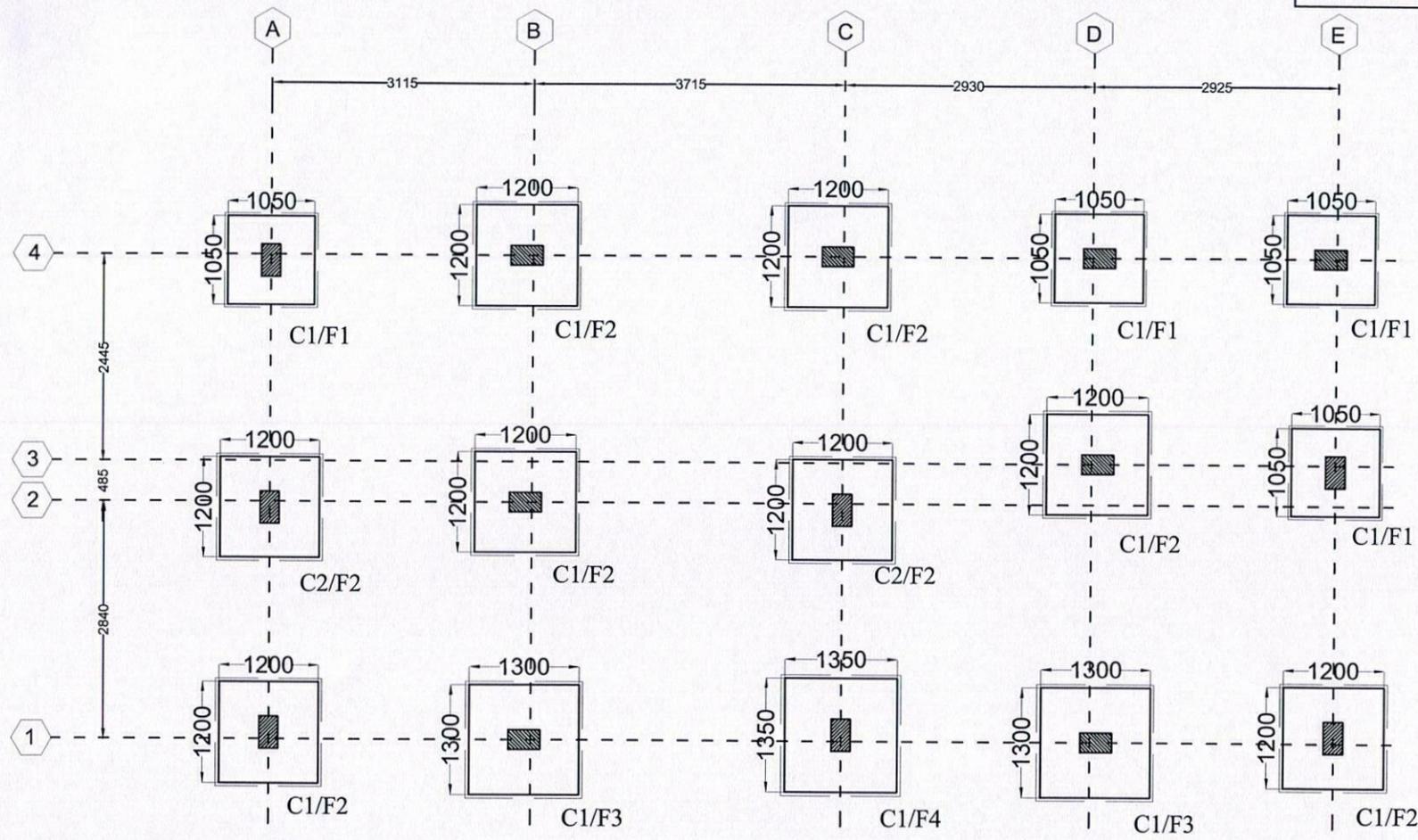
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 250 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 6A

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.

SEISMIC ZONE III



//APPROVED//

Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC -300 KN/m², Fe500, M25

FOR SBC -300 KN/m²

CLEAR COVER : SLAB : 20mm
 BEAM : 25mm
 COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

// TRUE COPY //

Dy. Executive Engineer, PR (Designs)

Handwritten signature and date: 16/10/25

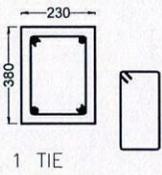
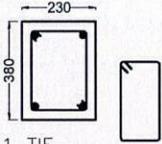
NAME OF WORK :
 ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

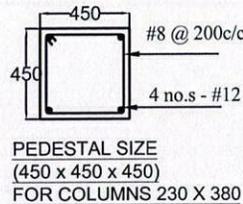
Drg. Title : FOOTING LAYOUT (for SBC 300 KN / m²)

Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 07

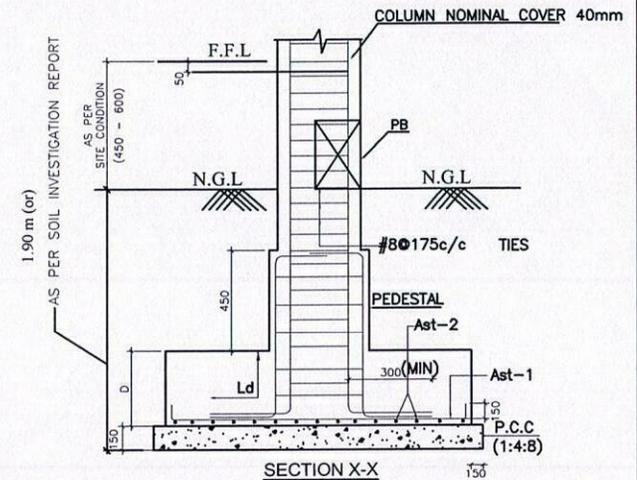
PANCHAYATI RAJ ENGINEERING DEPARTMENT
 VIJAYAWADA.

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	 1 TIE
C2	230 x 380	•4-#20mm	 1 TIE

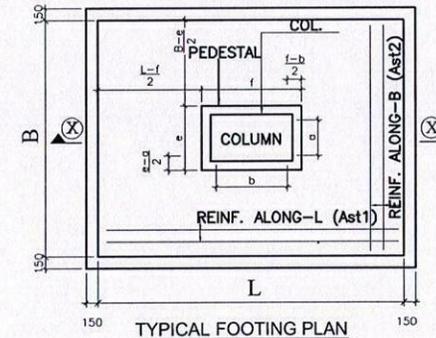


SEISMIC ZONE III



SCHEDULE OF FOOTINGS FOR SBC -300 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1050 X 1050	300	Y 10- 06 Nos	Y 10- 06 Nos
F2	M25	1200 X 1200	300	Y 10- 08 Nos	Y 10- 08 Nos
F3	M25	1300 X 1300	325	Y 10- 10 Nos	Y 10- 10 Nos
F4	M25	1350X 1350	350	Y 10- 11 Nos	Y 10- 11 Nos



//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -300 KN/m²

NOTE:

- STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
- FOOTINGS DESIGNED FOR SBC OF 300 KN/m²

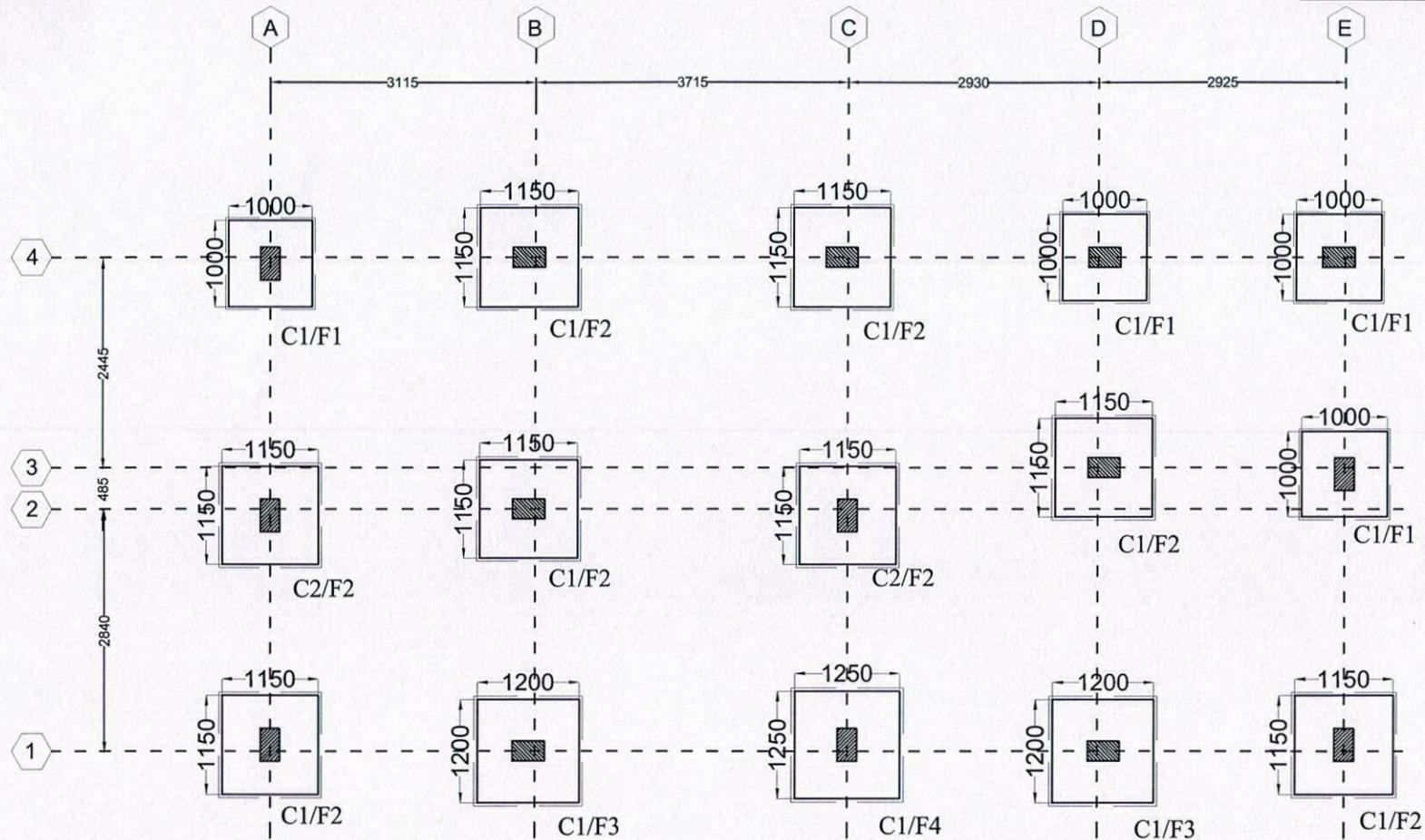
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V.V. [Signature]
16/10/25
Dy. Executive Engineer, PR (Designs)
C [Signature]
16/10/25

NAME OF WORK : ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 300 KN / m ²)
Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 7A
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

SEISMIC ZONE III



//APPROVED//

Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

FOOTINGS LAYOUT FOR SBC - 350 KN/m², Fe500, M25

FOR SBC - 350 KN/m²

CLEAR COVER : SLAB : 20mm
 BEAM : 25mm
 COLUMN : 40mm

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

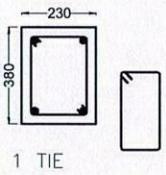
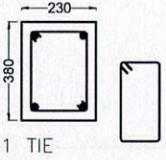
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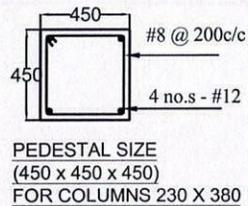
Dy. Executive Engineer, PR (Designs)

V.V. -
16/10/25
16/10/25

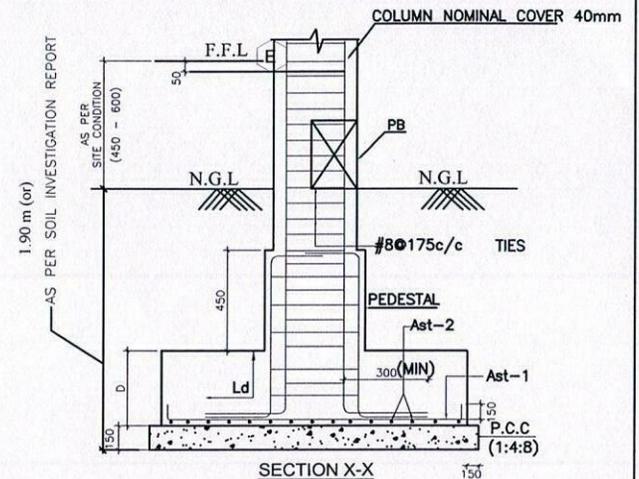
NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	FOOTING LAYOUT (for SBC 350 KN / m2)
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 08
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SCHEDULE OF COLUMNS

COLUMN GROUP	COLUMN SIZE	Reinforcement	SECTION
C1	230 x 380	•4-#16mm	 1 TIE
C2	230 x 380	•4-#20mm	 1 TIE

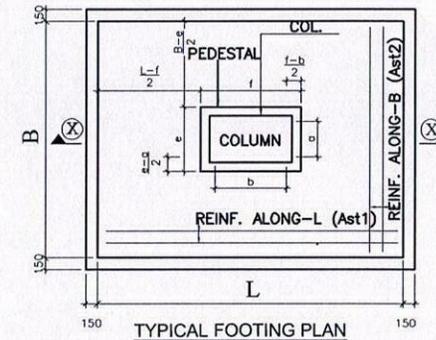


SEISMIC ZONE III



SCHEDULE OF FOOTINGS FOR SBC -350 KN/m², Fe500, M25

Footing Group	Mix	Footing Size in mm L x B	Depth mm	Bottom Reinforcement	
				REINFORCEMENT ALONG-L (Ast1)	REINFORCEMENT ALONG-B (Ast2)
F1	M25	1000 X 1000	300	Y 10- 06 Nos	Y 10- 06 Nos
F2	M25	1150 X 1150	300	Y 10- 08 Nos	Y 10- 08 Nos
F3	M25	1200 X 1200	300	Y 10- 08 Nos	Y 10- 08 Nos
F4	M25	1250 X 1250	325	Y 10- 09 Nos	Y 10- 09 Nos



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PRED, Vijayawada.

CLEAR COVER : SLAB : 20mm
BEAM : 25mm
COLUMN : 40mm

FOR SBC -350 KN/m²

NOTE:

1. STRUCTURE IS DESIGNED FOR GROUND + 1 FLOORS
2. FOOTINGS DESIGNED FOR SBC OF 350 KN/m²

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FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

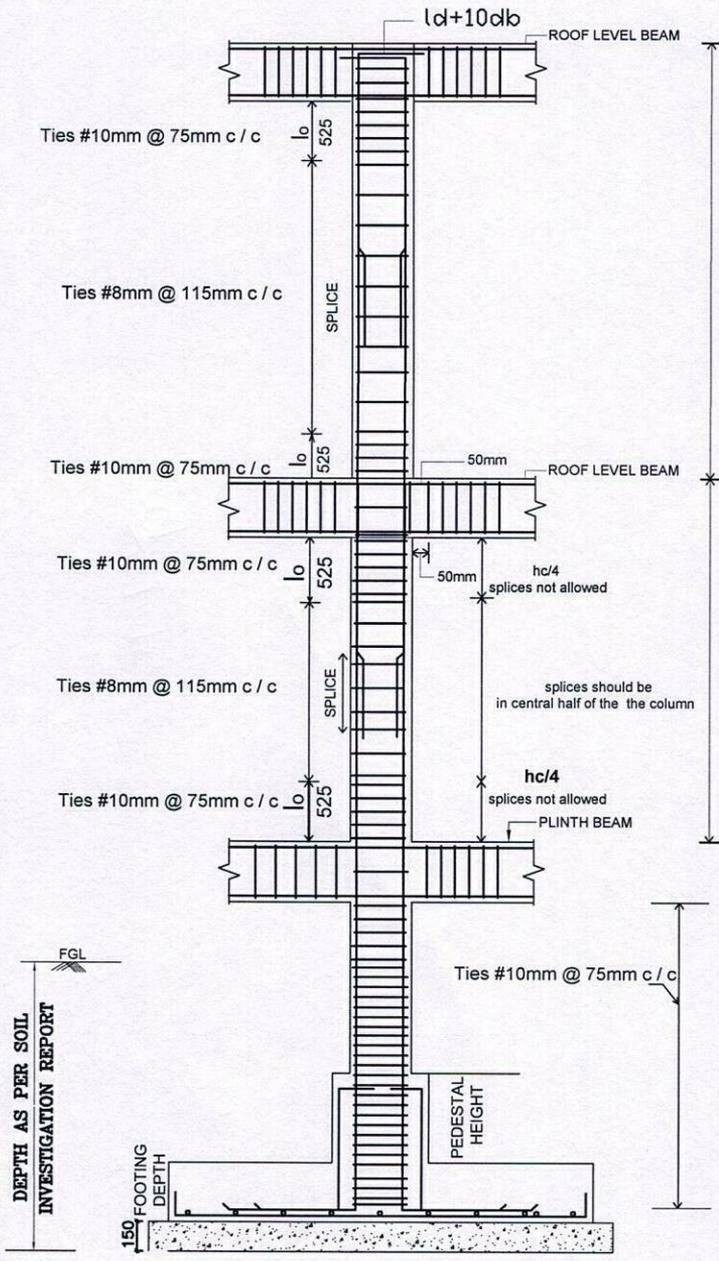
NAME OF WORK :

ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg. Title : COLUMN & FOOTING SCHEDULE (for SBC 350 KN / m²)

Drg. NO : PR / HEALTH CLINICS / ZIII / SD / 8A

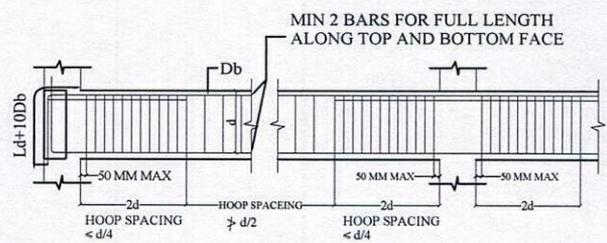
PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.



PROVISION OF SPECIAL CONFINING REINFORCEMENT IN FOOTINGS & COLUMN AND JOINT DETAILING
 (COLUMN TIED FROM LESS THAN FOUR SIDES)
 (COLUMNS 230 x 380)

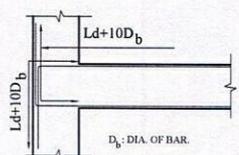
DUCTILE REINFORCEMENT DETAILING

// TRUE COPY //
 V.V.
 Dy. Executive Engineer, PR (Designs)
 16/10/25



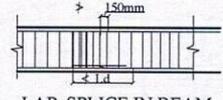
TYPICAL L/S OF BEAM REINFORCEMENT

3300 is floor to floor height
 Db - DIA OF BAR
 d - EFFECTIVE DEPTH OF BEAM
 Leff - Center to Center distance of Columns

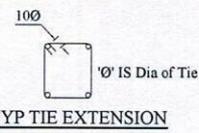


ANCHORAGE OF BEAM BARS IN EXTERNAL JOINT

3300 is floor to floor height



LAP SPLICE IN BEAM



TYP TIE EXTENSION

SPACING OF TIES AND LINKS- DUCTILE REQUIREMENTS

- JOINT FACE ZONE:
 - Lo = 450MM (OR) h/6 (OR) 'b' (LARGER LATERAL DIMENSION OF COLUMNS) WHICH EVER IS GREATER
 - JOINT ZONE IS THE JUNCTION OF BEAM PORTION WITH COLUMN. GRADE OF CONCRETE - M25 GRADE OF STEEL - Fe 500

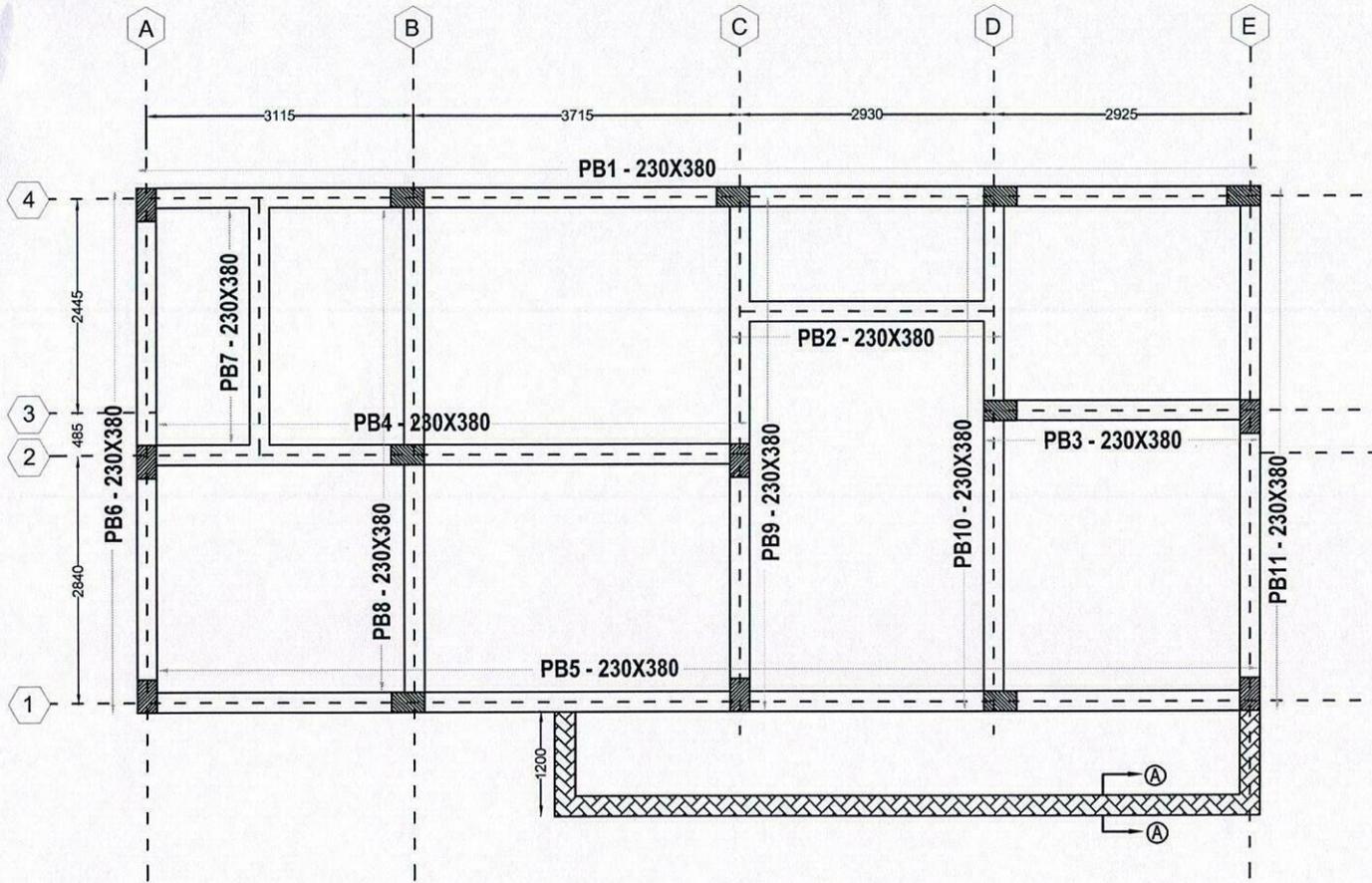
REQUIREMENT OF SPECIALLY CONFINING REINF. IN BEAMS	
BEAM SIZE	2d
230X380	690
230X425	800

Seismic Zone III , Grade of Concrete : M25, Steel Grade : Fe500

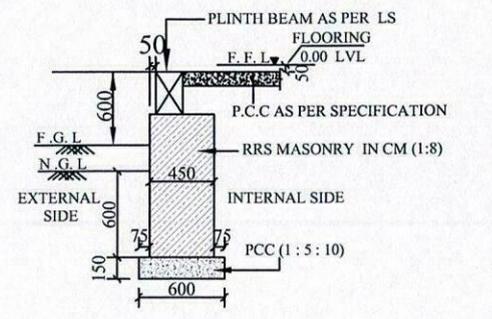
//APPROVED//
 Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

NAME OF WORK : ESTABLISHMENT OF HEALTH CLINICS - HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title : TYPE DESIGN ZONE III & TYPE2 DUCTILE DETAILING
Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 09
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

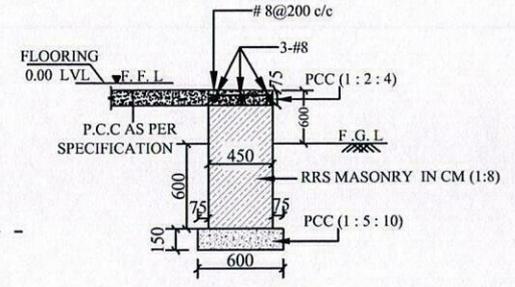
SEISMIC ZONE III



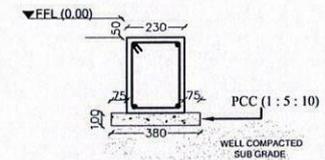
PLINTH BEAM LAYOUT



TYPICAL EXTERNAL PLINTH BEAM (EPB) DETAILS



SECTION - (A)-(A)



TYPICAL INTERNAL PLINTH BEAM DETAILS

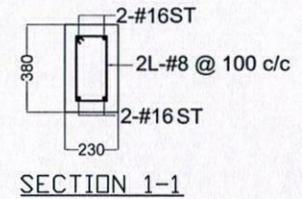
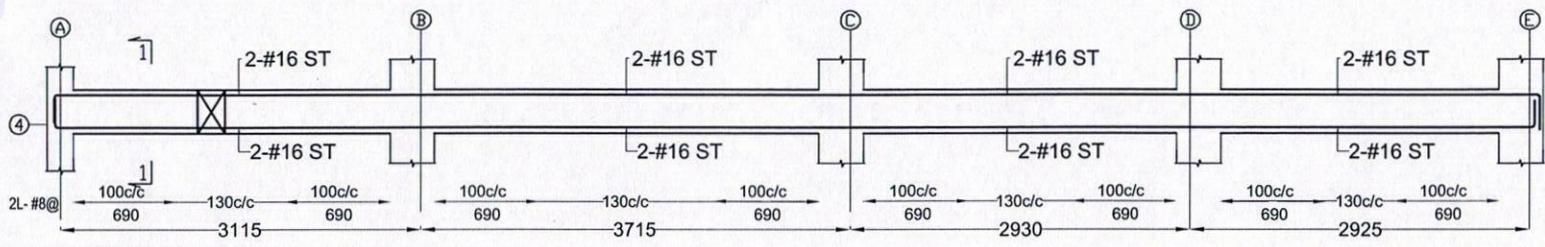
//APPROVED//
Sd/- 16-10-2025
CHIEF ENGINEER, PR-I
PRED, Vijayawada.

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V.V.R.
16/10/25
Dy. Executive Engineer, PR (Designs)
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16/10/25

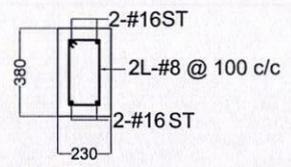
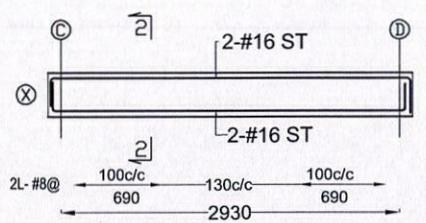
NAME OF WORK :
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title : PLINTH BEAM LAYOUT
Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 10
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

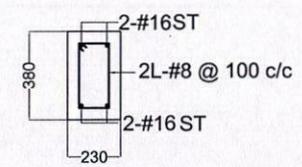
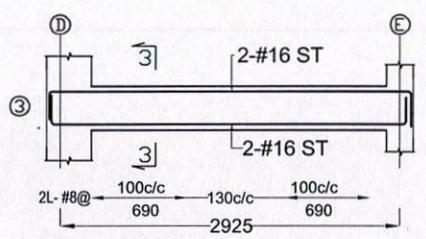
SEISMIC ZONE III



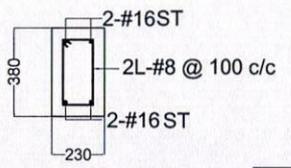
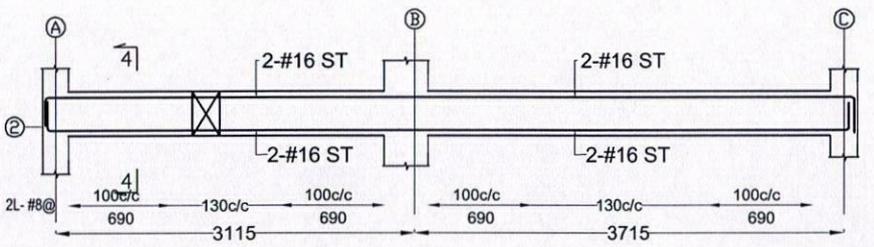
PB1 - 230X380



PB2 - 230X380



PB3 - 230X380



PB4 - 230X380

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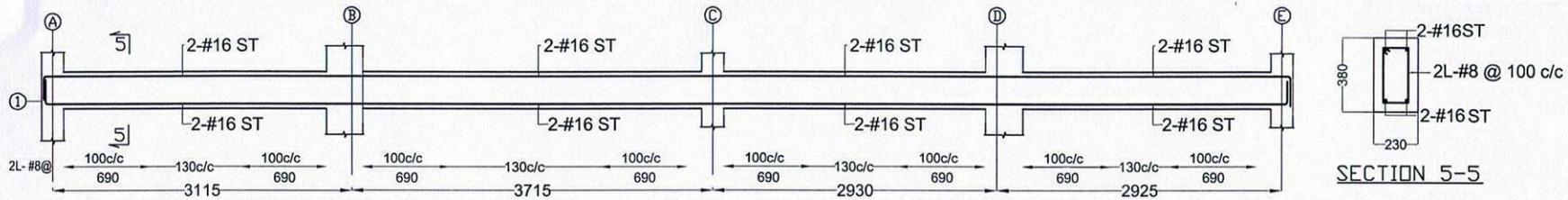
V.V.
16/10/25
 Dy. Executive Engineer, PR (Designs)
Cb
16/10/25

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 CHIEF ENGINEER, PR-
 PRED, Vijayawada.

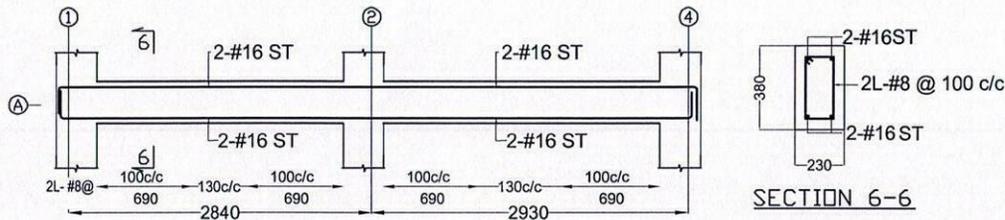
FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	PLINTH BEAM DETAILS (1 of 3 Sheets)
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 11 (Sheet 1)
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

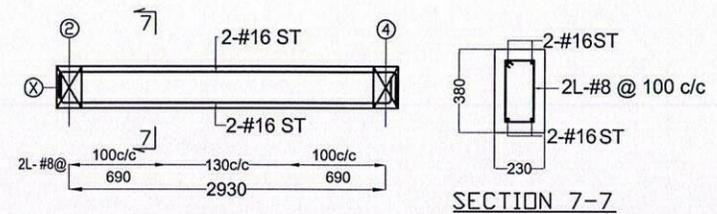
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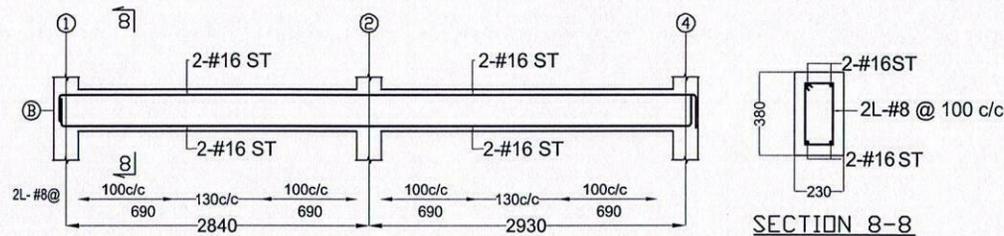
PB5 - 230X380



PB6 - 230X380



PB7 - 230X380



PB8 - 230X380

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 Dy. Executive Engineer, PR (Designs)

16/10/25

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :

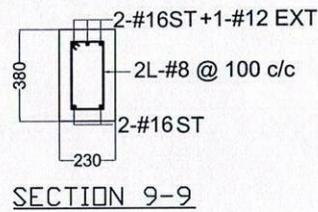
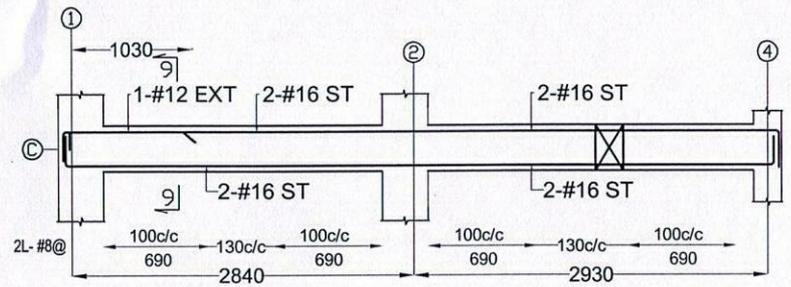
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS

Drg.Title : PLINTH BEAM DETAILS (2 of 3 Sheets)

Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 11 (Sheet 2)

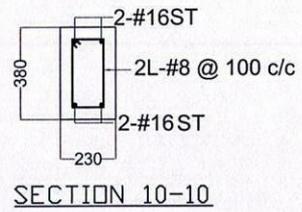
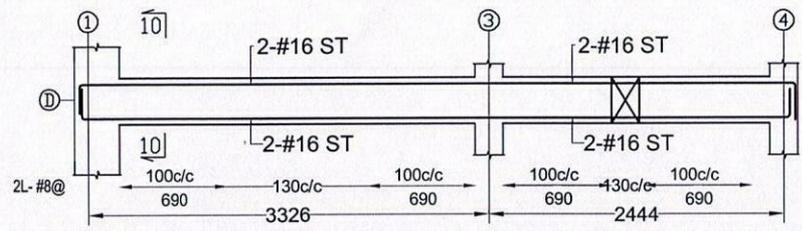
PANCHAYATI RAJ ENGINEERING DEPARTMENT
 VIJAYAWADA.

SEISMIC ZONE III

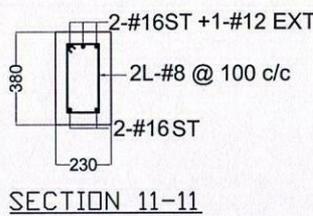
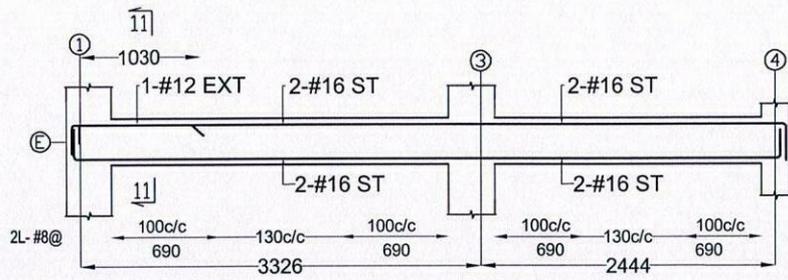


PB9 - 230X380

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PB10 - 230X380



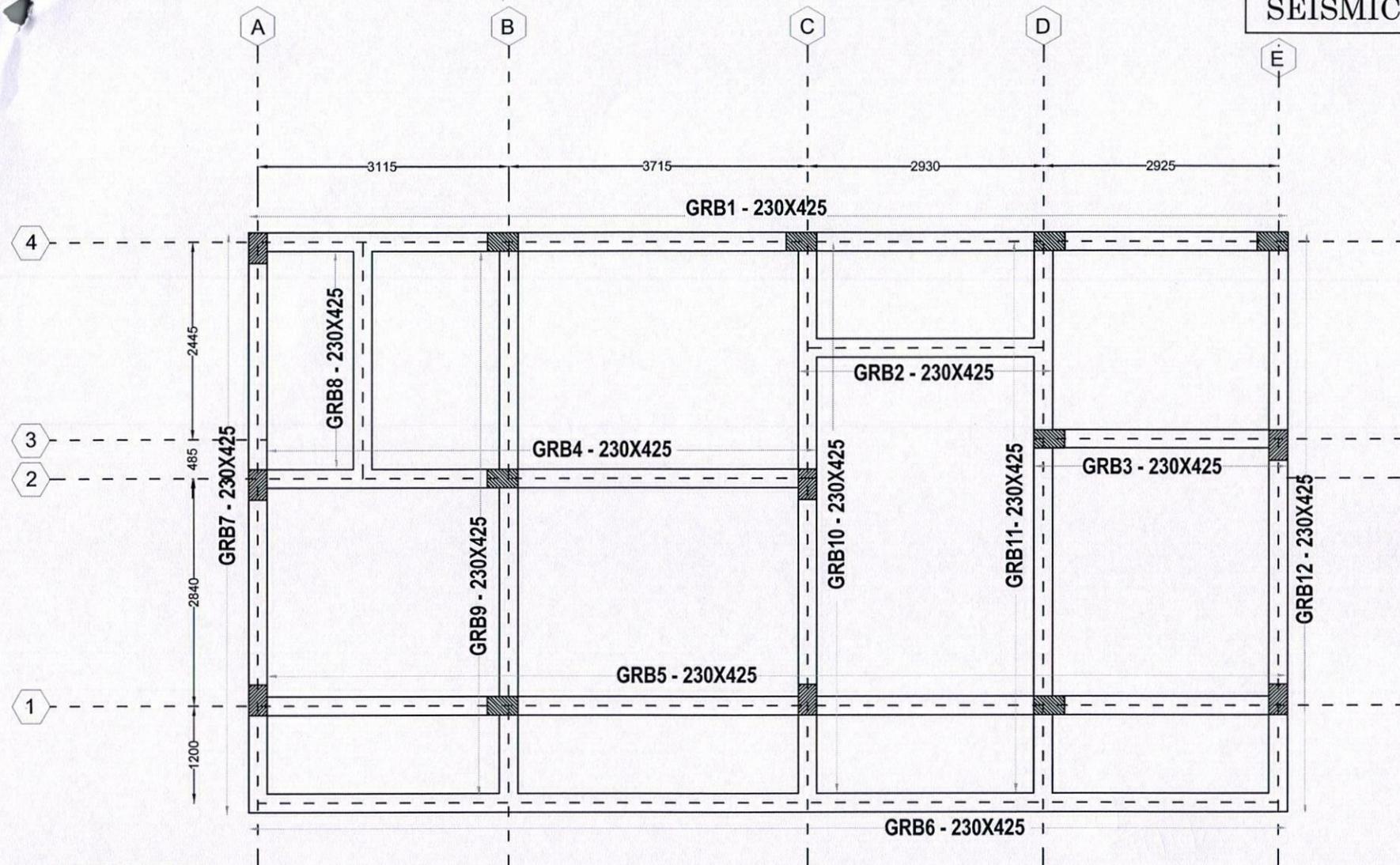
PB11 - 230X380

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 V.V.
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 Dy. Executive Engineer,PR (Designs)
 16/10/25

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title : PLINTH BEAM DETAILS (3 of 3 Sheets)
Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 11 (Sheet 3)
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

SEISMIC ZONE III



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PRED, Vijayawada.

GROUND ROOF BEAM LAYOUT

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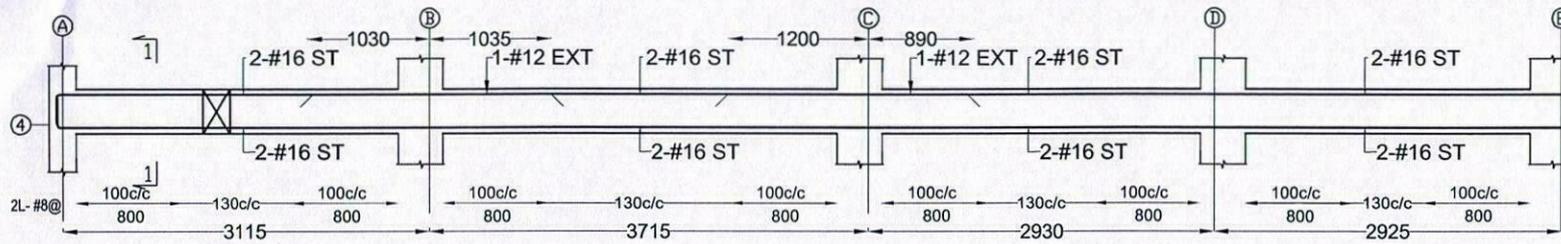
V.V
16/10/25
 Dy. Executive Engineer, PR (Designs)
Ch
16/10/25

ALL SLABS ARE 125mm THICK UNLESS OTHERWISE SPECIFIED

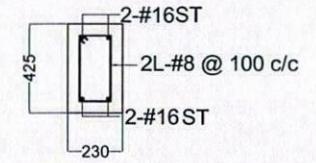
FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title :	GROUND ROOF BEAM LAYOUT
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 12
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SEISMIC ZONE III

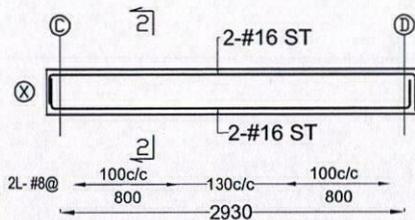


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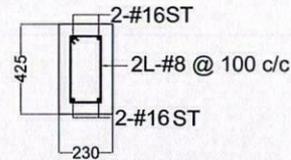


SECTION 1-1

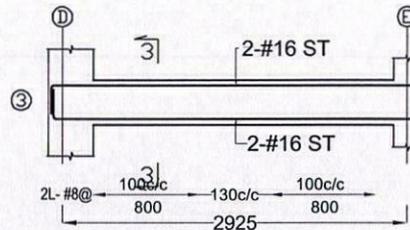
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 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.



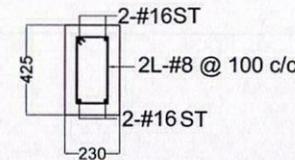
GRB2 - 230X425



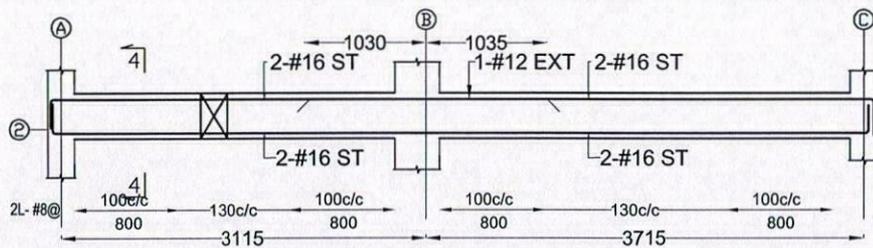
SECTION 2-2



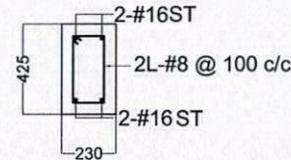
GRB3 - 230X425



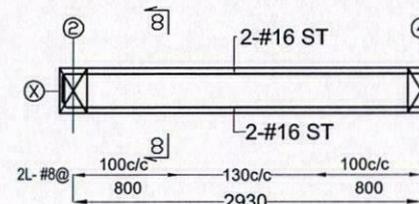
SECTION 3-3



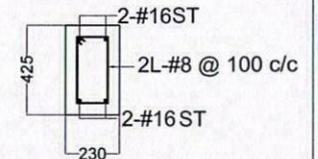
GRB4 - 230X425



SECTION 4-4



GRB8 - 230X425



SECTION 8-8

// TRUE COPY //

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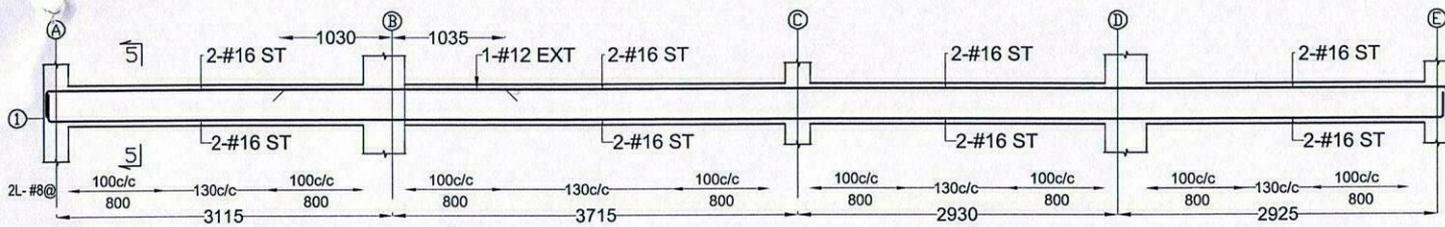
V.V.
16/10/25
Cb
16/10/25

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE

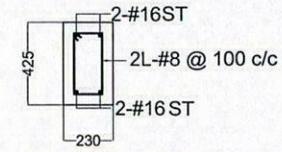
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title :	GROUND ROOF BEAM DETAILS (1 of 3 Sheets)
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 13 (Sheet 1)
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

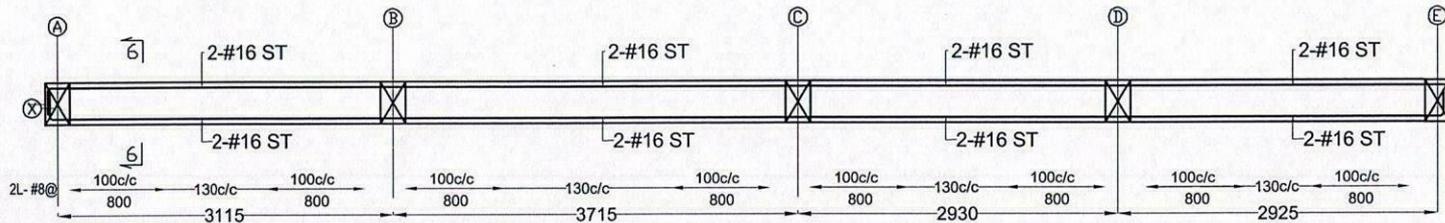
SEISMIC ZONE III



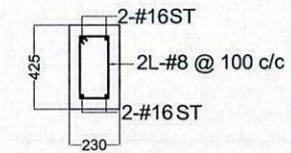
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SECTION 5-5



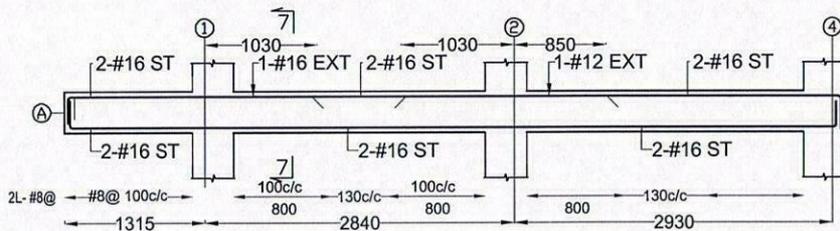
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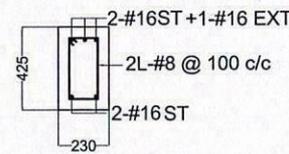
SECTION 6-6

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PRED, Vijayawada.**



GRB7 - 230X425

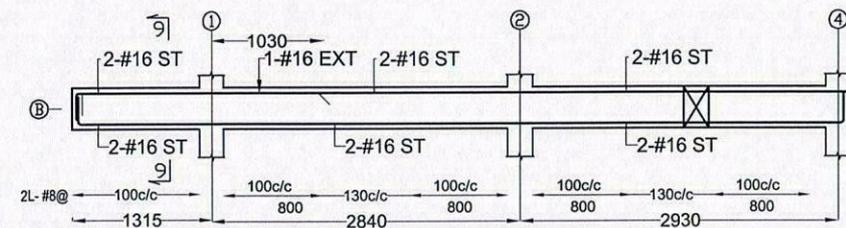


SECTION 7-7

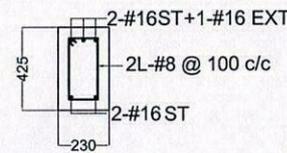
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Dy. Executive Engineer, PR (Designs)

V.V. 16/10/25
16/10/25



GRB9 - 230X425

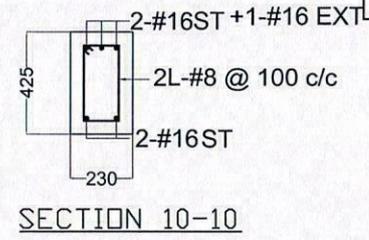
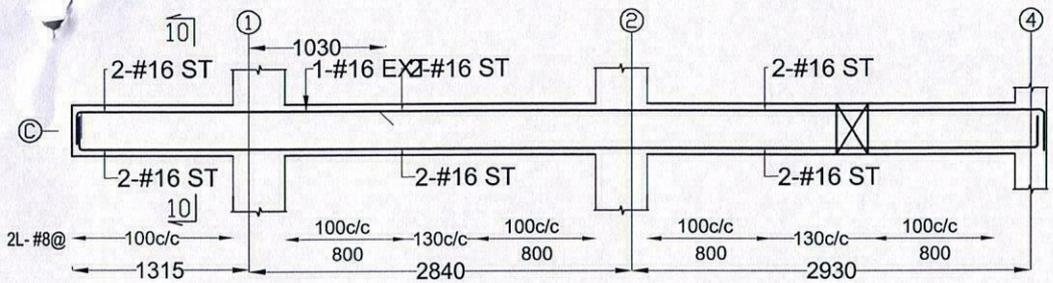


SECTION 9-9

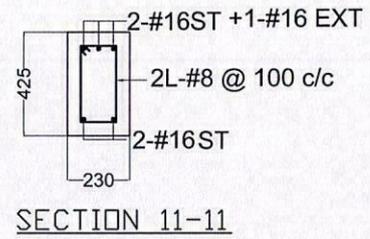
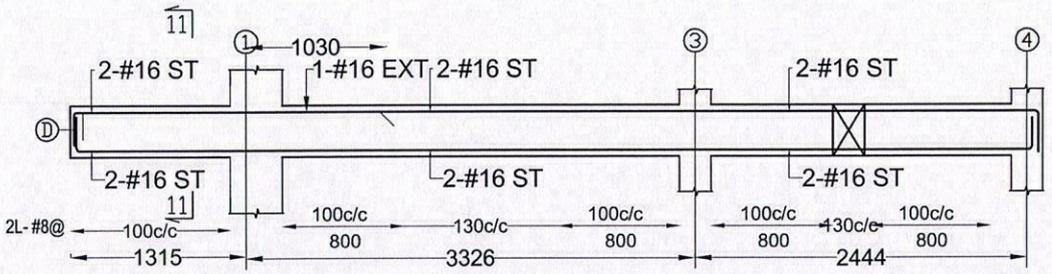
FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :
ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg.Title :GROUND ROOF BEAM DETAILS (2 of 3 Sheets)
Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 13 (Sheet 2)
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.

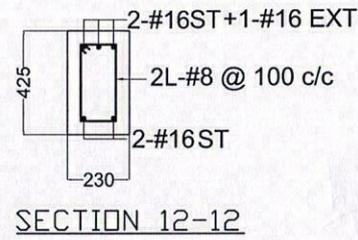
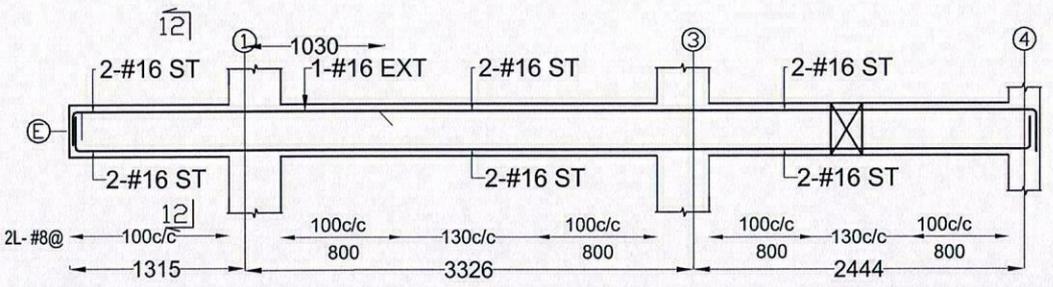
SEISMIC ZONE III



GRB10 - 230X425



GRB11 - 230X425



GRB12 - 230X425

//APPROVED//
 Sd/- 16-10-2025
 CHIEF ENGINEER, PR-I
 PRED, Vijayawada.

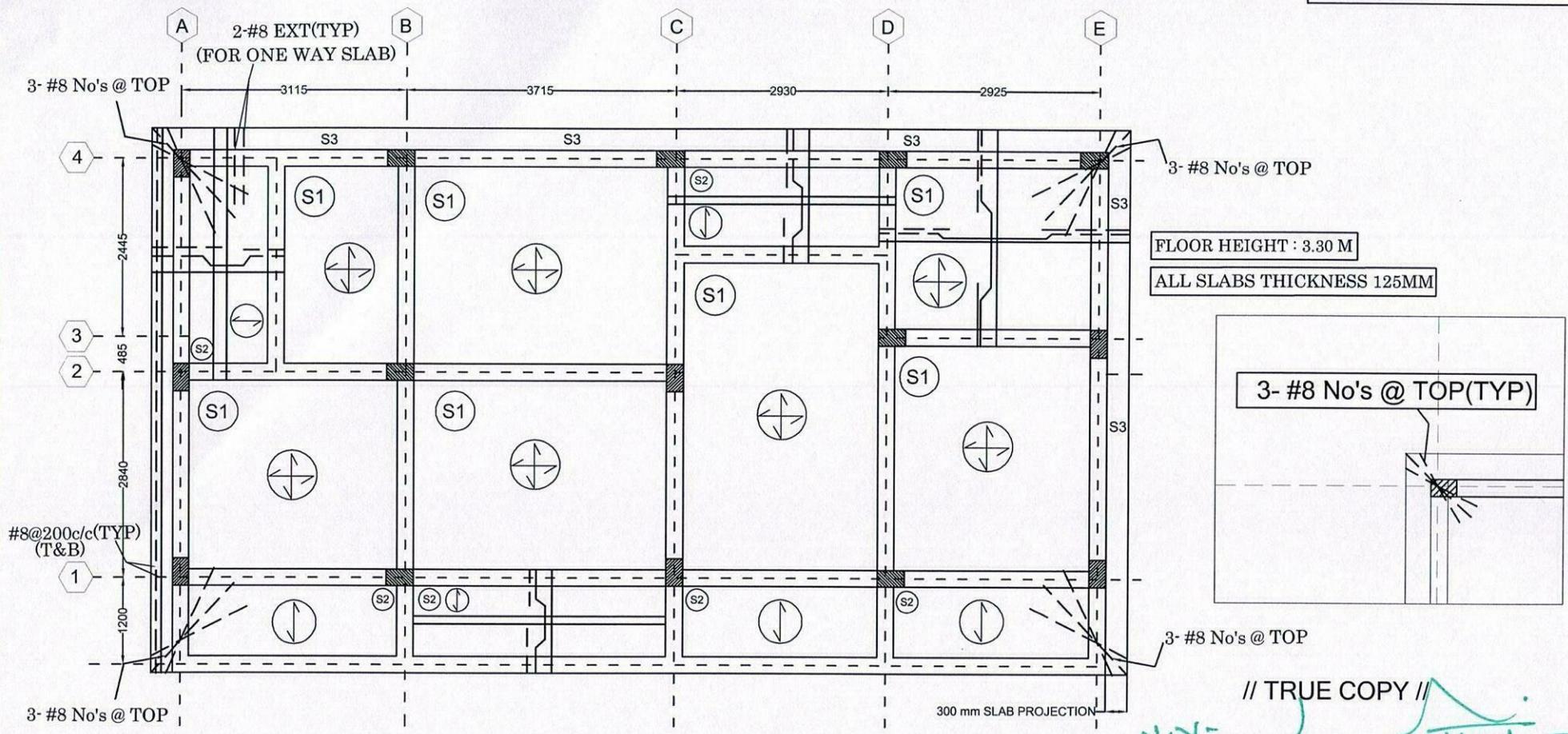
// TRUE COPY //

V.V.
16/10/25
 Dy. Executive Engineer, PR (Designs)
Ch
16/10/25

FOR RADIAL DISTANCE MORE THAN 50KM FROM COAST-LINE
 FOR NON COASTAL REGION GRADE OF CONCRETE M25, Fe500

NAME OF WORK :	ESTABLISHMENT OF HEALTH CLINICS -HEALTH AND WELLNESS CENTERS AT SECRETARIATS
Drg. Title :	GROUND ROOF BEAM DETAILS (3 of 3 Sheets)
Drg.NO :	PR / HEALTH CLINICS / ZIII / SD / 13 (Sheet 3)
PANCHAYATI RAJ ENGINEERING DEPARTMENT VIJAYAWADA.	

SEISMIC ZONE III



GROUND FLOOR SLAB LAYOUT & REINFORCEMENT SCHEDULE

// TRUE COPY //

v.v.

16/10/25

Dy. Executive Engineer, PR (Designs)

16/10/25

NOTATION OF SLAB	THICKNESS OF SLAB	TYPE OF SLAB	REINFORCEMENT			
			SHORT SPAN		LONG SPAN	
			BOTTOM	TOP EXTRA	BOTTOM	TOP EXTRA
S1	125mmThk		8φ@175c/c	1-8φ(EXT)	8φ@175c/c	1-8φ(EXT)
S2	125mmThk		8φ@175c/c	1-8φ(EXT)	8φ@175c/c	-----
S3	125mmThk		FOR S3 CANTILEVER SLAB EXTEND TOP AND BOTTOM REINFORCEMENT FOR CANTILEVER LENGTH PROVIDE #8 @ 200mm C/C SPACING AS DISTRIBUTION STEEL.			

SLAB PROJECTION 300MM

SLAB THICKNESS 125MM

//APPROVED//

Sd/- 16-10-2025

CHIEF ENGINEER, PR-I

PRED, Vijayawada.

NAME OF WORK :
ESTABLISHMENT OF HEALTH CLINICS -
HEALTH AND WELLNESS CENTERS AT
SECRETARIATS

Drg. Title : GROUND FLOOR SLAB LAYOUT &
REINFORCEMENT SCHEDULE

Drg.NO : PR / HEALTH CLINICS / ZIII / SD / 14

PANCHAYATI RAJ ENGINEERING DEPARTMENT
VIJAYAWADA.