

SPECIAL NOTES:-

- Note: All dimensions are in metres, otherwise specified.
- 1). All dimensions are to be checked and verified before starting the work.
 - 2). This drawing should be read along with approval drawings.
 - 3). Grade of R.C.C shall be M25 confirming to I.S : 456-2000 unless otherwise specified.
 - 4). Steel confirming to I.S 1786-1985 grade - Fe500.
 - 5). Clear cover to the R.C.C. shall be maintained as below
 - 50 mm for Footings (outer most Bar)
 - 40 mm for Pedestals
 - 40mm for Columns
 - 25mm for Plinth beam and Roof Beams
 - 40mm for Lintel Beams
 - 15mm for Roof slab (outer most Bar)
 - 20mm for chajjas, sunshades, lots, Shelves(outer most Bar)
 - 6). Development length shall be 47dia for all bars.
 - 7). First stirrup in beam shall be 75mm away from the face of support.
 - 8). Not more than 50% of the reinforcement shall be lapped at any section.
 - 9). Assumed SBC Of Soil 200.00 kN/sqm, Confirm before going to start the excavation..
 10. In beams, clear horizontal distance between the bar layers shall not be less than the largest bar diameter, or maximum aggregate size plus 5mm, whichever is higher.
 - 11).In beams clear vertical distance between the bar layers shall not be less than the largest bar diameter and not greater than 50mm.
 - 12). _____ indicates bottom bars, _____ indicates top bars, in plan.
 - 13).All beams and slabs shall be cast in specified concrete grade to satisfy a minimum strength at 28days as per IS:456-1978.
 - 14). Do not scale the drawing, follow written dimensions only.
 - 15). Curing shall be done continuously for 21 days
 - 16) When ever the reinforcement is provided in 2 layers the gap between the two layers is maintained by providing a 25mm pl. care shall be taken so that the gap does not exceed 25mm.
 - 17). Lapping of bars shall be at center of spans for top bars and at supports for bottom bars.
 - 18) Fine and coarse aggregate shall conform to IS:383-1987.
 - 19). Concrete shall be machine mixed and mechanically vibrated.
 - 20). The given designs are done for Ground +1 floor only.

Hencee Tech
**Advisory Engineer
For S.V. ShaAR
SPECIALISED CIVIL ENGINEERS
D.No. 19-12-623D, Bairagipatteda
TIRUPATI-517 501**

STRUCTURAL ENGINEER:

GROUND FLOOR PLAN

DRAWING TITLE:

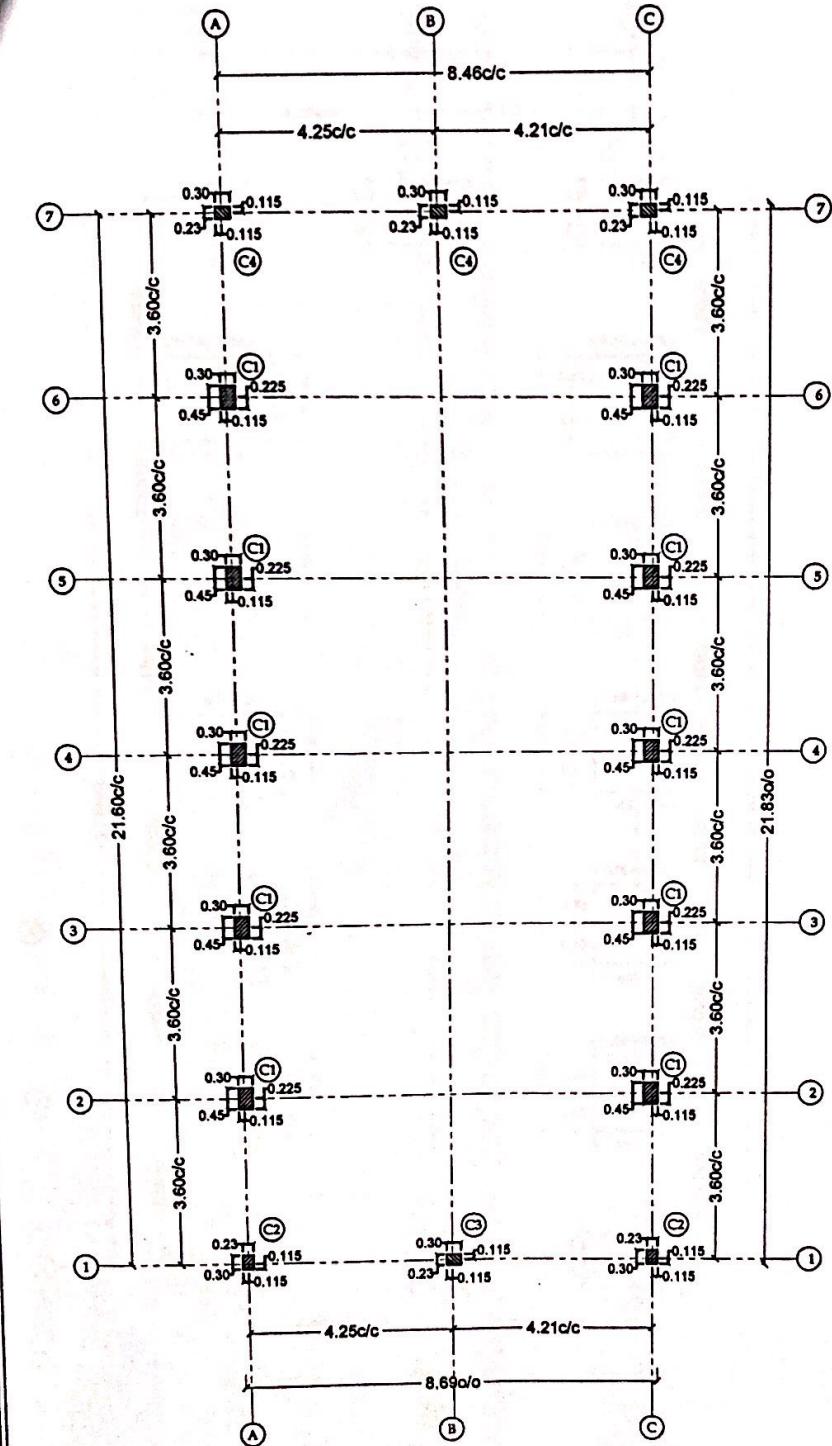
CONSTRUCTION OF MEETING HALL at MPDO, SOMALA

PROJECT NAME:

CLIENT:-

SHEET NO.:	DATE:
CHECKED BY	IVR
DRAWN BY	THULASI RAM
DESIGNED BY	THULASI RAM

S.V.ShaAR
 Specialised Civil Engineers
 D.No : 19-44-S12-1515/1(623D),
 Near CPI Office,
 Bairagi Patteda, Tirupati.
 Phone : 08771 22 22945
 e-mail : svshaar4@yahoo.co.in



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- 12). _____ indicates bottom bars, _____ indicates top bars, in plan.
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- 15). Curing shall be done continuously for 21 days
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- 18). Fine and coarse aggregate shall conform to IS:383-1987.
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- 20). The given designs are done for Ground +1 floor only.

Accessed by

Advisory Engineer
For S.V. ShaAR
SPECIALISED CIVIL ENGINEERS
O.No. 19-12-623D, Bairagipattada
TIRUPATI-517 501

STRUCTURAL ENGINEER:

COLUMN GRID LAYOUT

DRAWING TITLE:

CONSTRUCTION OF MEETING HALL at MPDO, SOMALA

PROJECT NAME:

CLIENT:

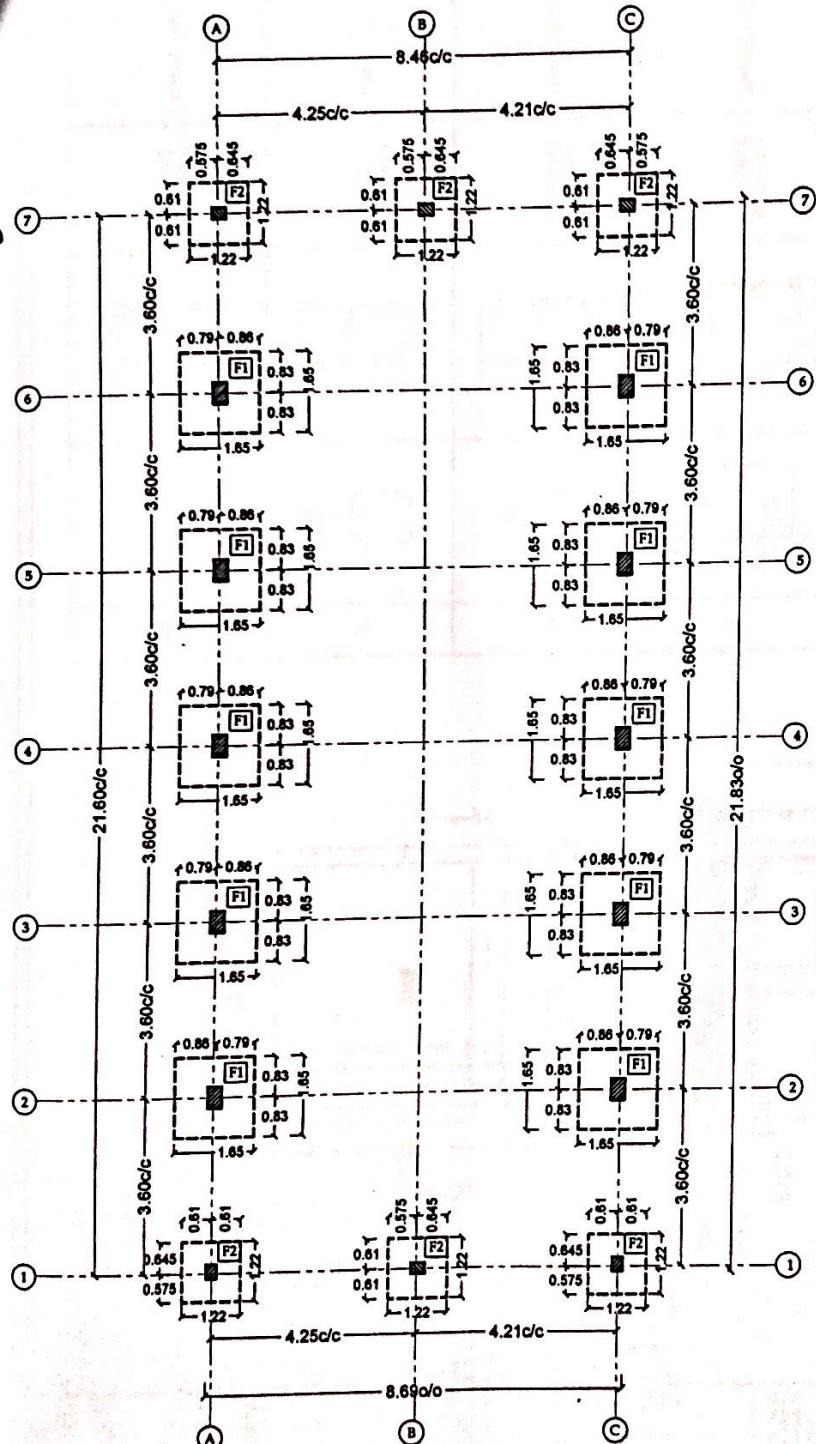
SHEET NO.:	DATE:
CHECKED BY	PVR
DRAWN BY	THELASH RAM
DESIGNED BY	THELASH RAM

S.V. ShaAR
Specialised Civil Engineers
Regd. No.: 20-04-512-4223/MR/2000
New CPI Office,
Sholinganallur, Madras
Phone: 044-24321222
E-mail: svshaar@yahoo.co.in

SPECIAL NOTES:-

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 25mm for Plinth beam and Roof Beams
 40mm for Lintel Beams
 15mm for Roof slab (outer most Bar)
 20mm for chajjas, sunshades, lots, Shelves(outer most Bar)
 - 6). Development length shall be 47d_{ls} for all bars.
 - 7). First stirrup in beam shall be 75mm away from the face of support.
 - 8). Not more than 50% of the reinforcement shall be lapped at any section.
 - 9). Assumed SBC Of Soil 200.00 kN/sqm. Confirm before going to start the excavation..
 - 10). In beams, clear horizontal distance between the bar layers shall not be less than the largest bar diameter, or maximum aggregate size plus 5mm, whichever is higher.
 - 11). In beams clear vertical distance between the bar layers shall not be less than the largest bar diameter and not greater than 50mm.
 - 12). _____ indicates bottom bars, _____ indicates top bars, in plan.
 - 13). All beams and slabs shall be cast in specified concrete grade to satisfy a minimum strength at 28days as per IS:456-1978.
 - 14). Do not scale the drawing, follow written dimensions only.
 - 15). Curing shall be done continuously for 21 days
 - 16). When ever the reinforcement is provided in 2 layers the gap between the two layers is maintained by providing a 25mm pin. care shall be taken so that the gap does not exceed 25mm.
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 - 18). Fine and coarse aggregate shall conform to IS:383-1987.
 - 19). Concrete shall be machine mixed and mechanically vibrated.
 - 20). The given designs are done for Ground +1 floor only.

Rechecked by



**Advisory Engineer
For S.V. ShaAR
SPECIALISED CIVIL ENGINEERS
D.No. 19-12-623D, Bairagipatteda
TIRUPATI-517 501**

STRUCTURAL ENGINEER:

FOOTING LAYOUT

DRAWING TITLE:

**CONSTRUCTION OF MEETING HALL at
MPDO, SOMALA**

PROJECT NAME:

CLIENT:

S.V. ShaAR
Specialised Civil Engineers
Door No 19-12-623D, Bairagi Patta, Tirupati,
Andhra Pradesh, India.
Phone: 0877 22 22345
e-mail: svshaar@yahoo.co.in

SHEET NO.:

CHECKED BY:

DRAWN BY:

DESIGNED BY:

DATE:

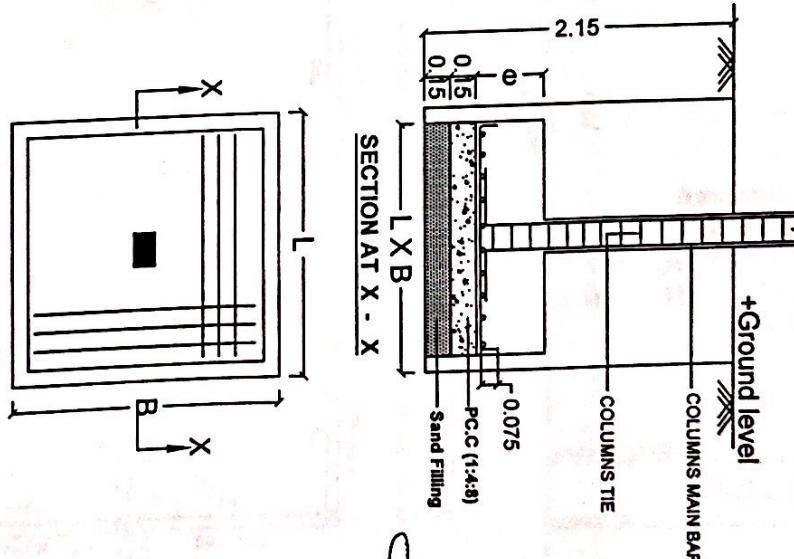
I.M.R

THULASI RAM

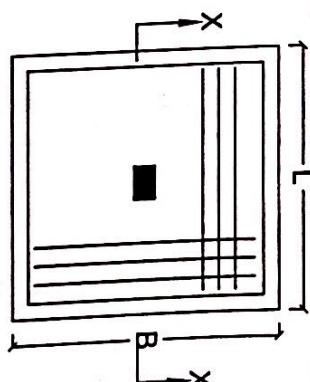
THULASI RAM

FOOTING DETAILS						
S.NO	Type	Size (L X B) in m.	Depth in m.	Reinforcement @ Longer side	Reinforcement @ Shorter side	No's
1	F1	1.55 X 1.55	0.45	Y10mm@ 100 mm c/c	Y10mm@ 100 mm c/c	10
2	F2	1.22 X 1.22	0.35	Y10mm@ 125 mm c/c	Y10mm@ 125 mm c/c	08

COLUMN DETAILS					
S.NO	TYPE	SIZE(m.)	REINFORCEMENT		No's
			MAIN	TIE BARS	
1	C1	0.30 X 0.45	10-Y20mmØ	Y8mmØ@ 200mm c/c	03
2	C2	0.23 X 0.30	8-Y16mmØ	Y8mmØ@ 200mm c/c	02
3	C3	0.23 X 0.30	6-Y16mmØ	Y8mmØ@ 200mm c/c	03
4	C4	0.23 X 0.30	6-Y12mmØ	Y8mmØ@ 200mm c/c	03



PLAN



Advisory Engineer
For S.V. ShaAR
SPECIALISED CIVIL ENGINEER
D No. 19-12-623D, Bairagiappattu
TIRUPATI-517 501

COLUMN AND FOOTING
DETAILS

CONSTRUCTION OF MEETING HALL AL
M.P.D.O. SOMALA

DESIGNER	APPROVED
NAME	DR. D.S. RAJARAJA
DESIGNATION	CHIEF ENGINEER
DATE	10/08/2018
DEPARTMENT	STRUCTURE
DEPARTMENT	STRUCTURE

SPECIAL NOTES:

Note: All dimensions are in metres, otherwise specified.

1) All dimensions are to be checked and verified before starting the work.

2) Grade of R.C.C. should be M25 according to approved drawing.

3) Reinforcement specification.

4) Steel reinforcement to be 15% yield grade = Fe400.

5) Check answer to the R.C.C. and be calculated as below

6) min bar for P.C.C. (Refer notes)

7) min bar for Column (Refer notes)

8) min bar for Tie bars (Refer notes)

9) min bar for Main bars (Refer notes)

10) min bar for Column tie bars (Refer notes)

11) min bar for Column tie bars (Refer notes)

12) min bar for Column tie bars (Refer notes)

13) min bar for Column tie bars (Refer notes)

14) min bar for Column tie bars (Refer notes)

15) min bar for Column tie bars (Refer notes)

16) min bar for Column tie bars (Refer notes)

17) min bar for Column tie bars (Refer notes)

18) min bar for Column tie bars (Refer notes)

19) min bar for Column tie bars (Refer notes)

20) min bar for Column tie bars (Refer notes)

21) min bar for Column tie bars (Refer notes)

22) min bar for Column tie bars (Refer notes)

23) min bar for Column tie bars (Refer notes)

24) min bar for Column tie bars (Refer notes)

25) min bar for Column tie bars (Refer notes)

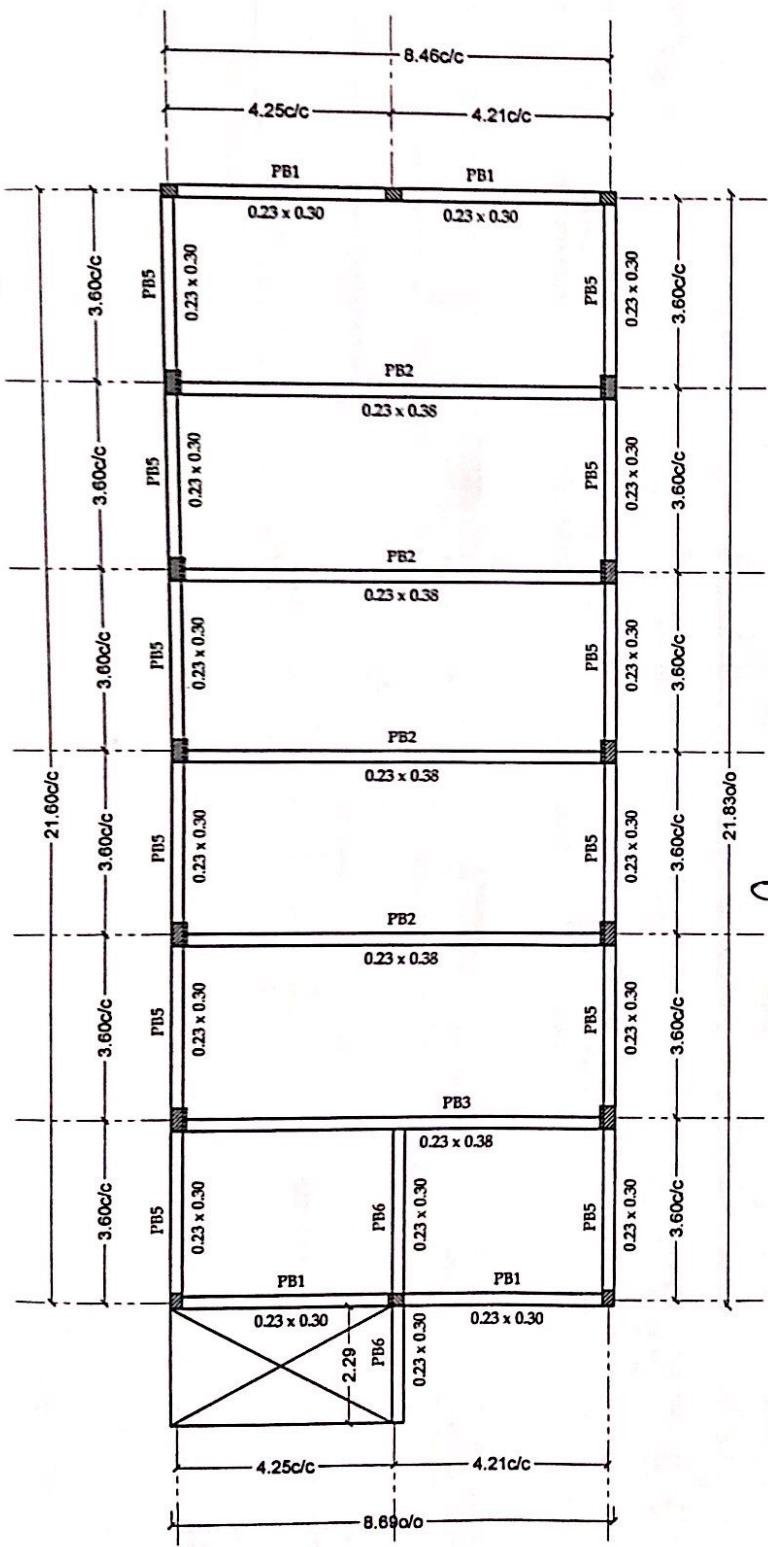
26) min bar for Column tie bars (Refer notes)

27) min bar for Column tie bars (Refer notes)

28) min bar for Column tie bars (Refer notes)

29) min bar for Column tie bars (Refer notes)

30) min bar for Column tie bars (Refer notes)



SPECIAL NOTES:-

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- 1). All dimensions are to be checked and verified before starting the work.
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 - 3). Grade of R.C.C shall be M25 confirming to I.S : 456-2000 unless otherwise specified.
 - 4). Steel conforming to I.S 1786-1985 grade - Fe500.
 - 5). Clear cover to the R.C.C. shall be maintained as below
50 mm for Footings (outer most Bar)
40 mm for Pedestals
40mm for Columns
25mm for Plinth beam and Roof Beams
40mm for Lintel Beams
15mm for Roof slab (outer most Bar)
20mm for chajjas, sunshades, lofts, Shelves(outer most Bar)
 - 6). Development length shall be 47dia for all bars.
 - 7). First stirrup in beam shall be 75mm away from the face of support.
 - 8). Not more than 50% of the reinforcement shall be lapped at any section.
 - 9). Assumed SBC Of Soil 200.00 kN/sqm, Confirm before going to start the excavation.
 10. In beams, clear horizontal distance between the bar layers shall not be less than the largest bar diameter, or maximum aggregate size plus 5mm, whichever is higher.
 - 11). In beams clear vertical distance between the bar layers shall not be less than the largest bar diameter and not greater than 50mm.
 - 12). _____ indicates bottom bars, _____ indicates top bars, in plan.
 - 13). All beams and slabs shall be cast in specified concrete grade to satisfy a minimum strength at 28days as per IS:456-1978.
 - 14). Do not scale the drawing, follow written dimensions only.
 - 15). Curing shall be done continuously for 21 days
 - 16). When ever the reinforcement is provided in 2 layers the gap between the two layers is maintained by providing a 25mm pin. care shall be taken so that the gap does not exceed 25mm.
 - 17). Lapping of bars shall be at center of spans for top bars and at supports for bottom bars.
 - 18) Fine and coarse aggregate shall conform to IS:383-1987.
 - 19). Concrete shall be machine mixed and mechanically vibrated.
 - 20). The given designs are done for Ground +1 floor only.

JL
Advisory Engineer
For S.V. ShaAR

SPECIALISED CIVIL ENGINEERS
O.No. 19-12-623D, Bairagipatteda
TIRUPATI-517 501

STRUCTURAL ENGINEER:-

PLINTH BEAM LAYOUT

DRAWING TITLE:-

CONSTRUCTION OF MEETING HALL at
MPDO, SOMALA

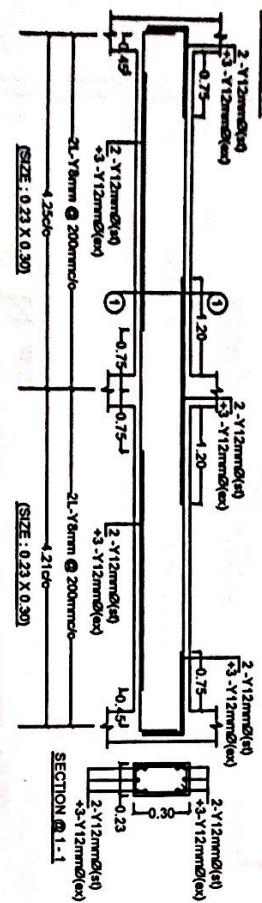
PROJECT NAME:-

CLIENT:-

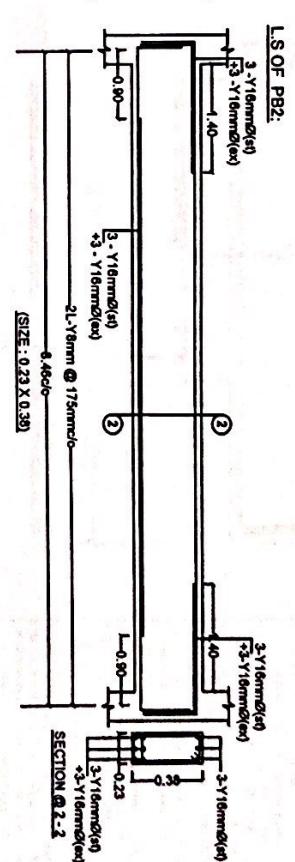
SHEET NO :	DATE:
CHECKED BY	IVRR
DRAWN BY	THULASI RAM
DESIGNED BY	THULASI RAM

S.V. ShaAR
Specialised Civil Engineers
Door No : 19-A-623-1255/623D,
Near CPI Office,
Bairagi Pattiada, Tirupati,
Phone : 0877 22 22945
e-mail : svshar4@yahoo.co.in

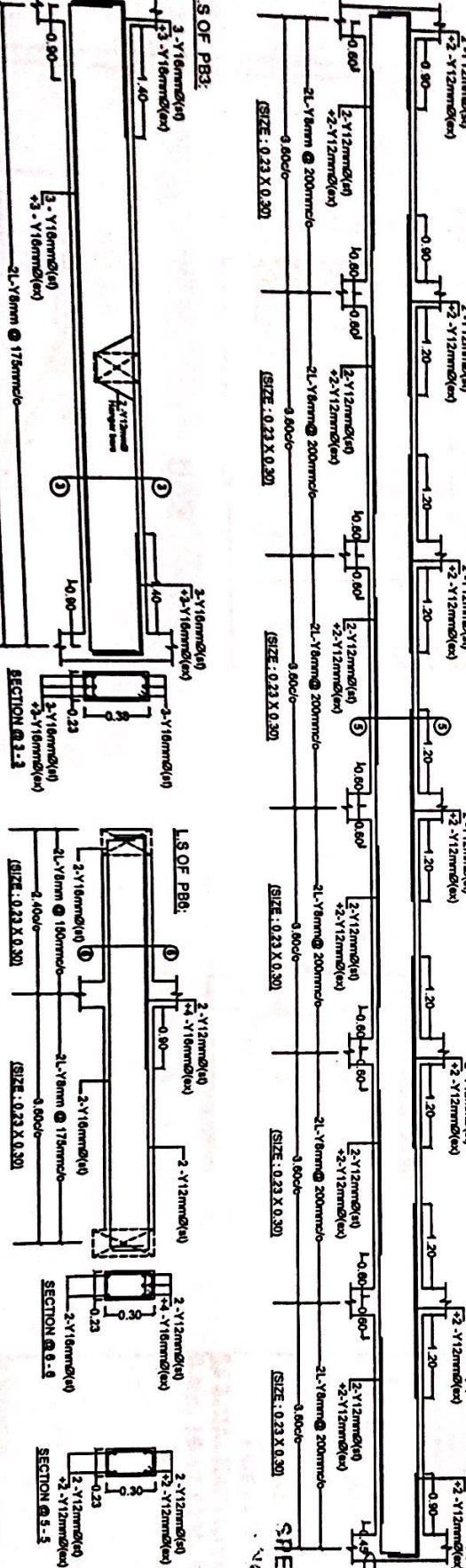
LS OF PB1:



LS OF PB2:



LS OF PB3:



(Signature)
Advisory Engineer
FOR S.V. ShaAR
CALISED CIVIL ENGINEER
T-19-12-623D, Bairagi
Date: 11/11/2017 501

STRUCTURE OF METAL MALLA
MATERIALS USED

PLATE BEAM DETAILS

SPECIAL NOTES:

1. All dimensions are in mm.
2. Reinforcement is shown as per IS 456-2000.

SPECIAL NOTES:-

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1) All dimensions are to be checked and verified before starting the work.

2) This drawing should be used along with previous drawings.

3) Grade of R.C.C. shall be M25 conforming to IS : 456-2000 unless otherwise specified.

4) Steel conforming to IS 1786-1998 grade - Fe500.

5) Clear cover to the R.C.C. shall be maintained as below:

50 mm for P.D. (outer most Bar)

40 mm for Columns

20mm for Plinth Beams and Roof Beams

15mm for Roof slab (outer most Bar)

20mm for chases, annulars, holes (Shallow outer most Bar)

6) Development length shall be 175mm for all bars.

7) First stirrup in beam shall be 75mm away from the face of support.

8) Not more than 50% of the reinforcement shall be stripped in any section.

9) As per S.B.C. OR B.S.C. 2002 (Part-II). Column believe being to start the construction.

10) In beams, clear horizontal distance between the two layers shall not be less than 10 times the greater bar diameter, or maximum aggregate size plus 5mm.

11) Between clear vertical distance between the two layers shall not be less than the largest bar diameter and not greater than 50mm.

12) Indication top bars, in plain, indicates bottom bars.

13) All beams and slabs shall be cast in specified concrete grades to satisfy a minimum strength of 2.8 days as per IS:456-1978.

14) Do not scale the drawing. Refer written dimension only.

15) Curing shall be done continuously for 21 days.

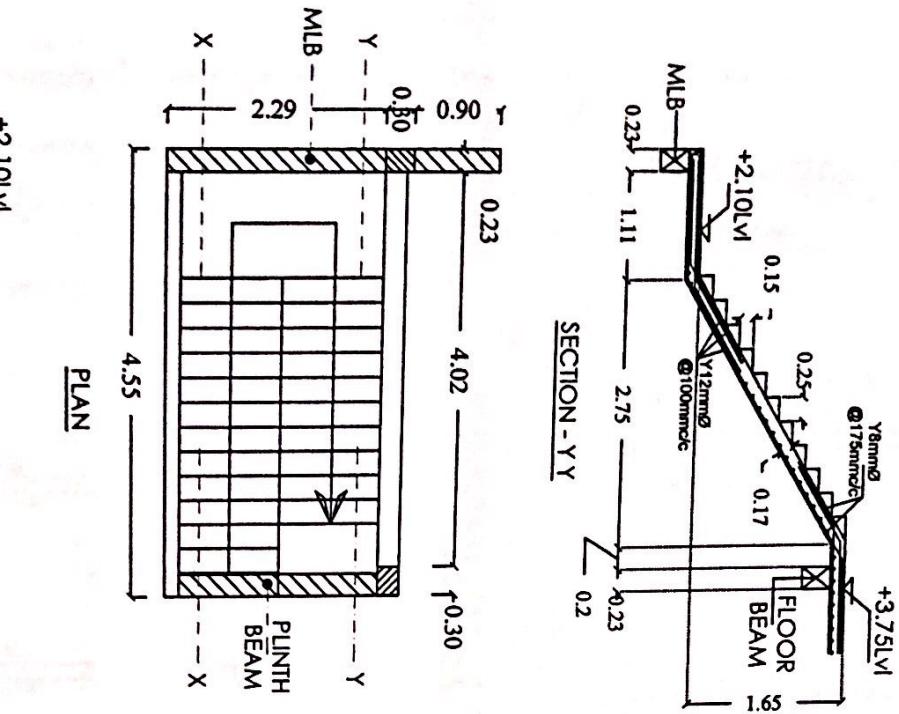
16) When ever the reinforcement is provided in 2 layers the gap between the two layers is maintained by providing a 25mm pitch, cast shall be taken so that the top does not exceed 25mm.

17) Lapping of bars shall be at center of spans for top bars and at supports for bottom bars.

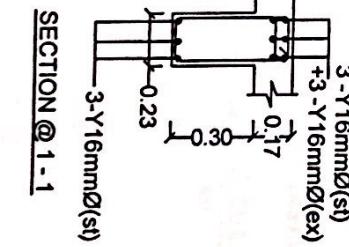
18) Fibre and coarse aggregates shall conform to IS:3323-1987.

19) Concrete shall be machine mixed and subsequently vibrated.

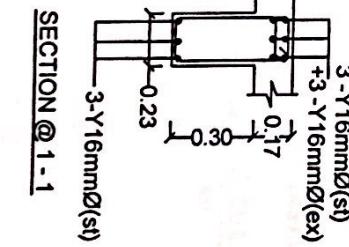
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(SIZE : 0.23 X 0.470) (SIZE : 0.23 X 0.470)



3-Y16mmØ(st)
3-Y16mmØ(ex)



3-Y16mmØ(st)
3-Y16mmØ(ex)

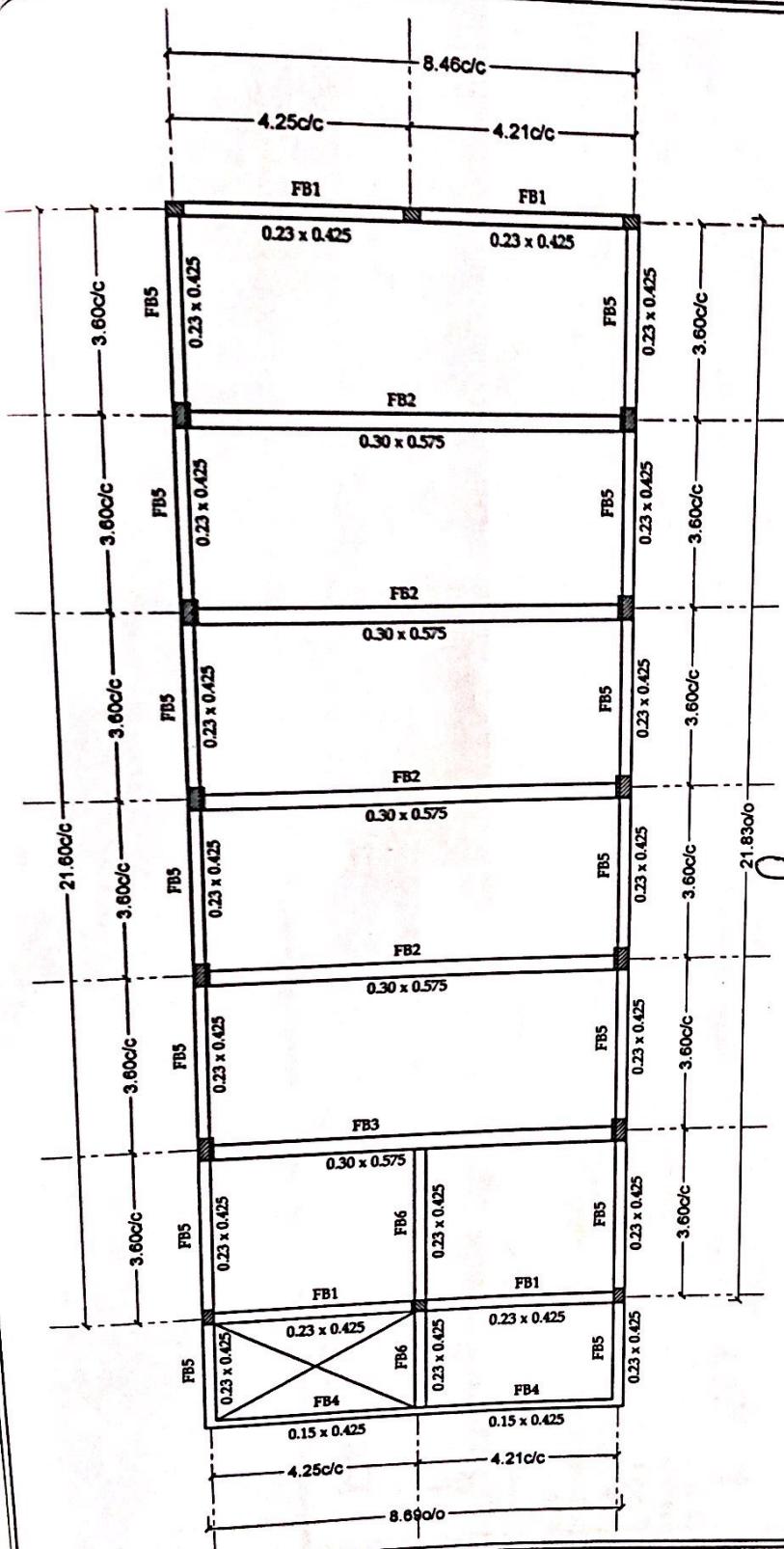
Architectural Engineer
For S.V. ShaAR
SPECIALISED CIVIL ENGINEERS
G.No. 19-12-623D, Balrajgippattada
TIRUPATI-517 501
MPDO, SOMALA.

Access easy

WIDTH : 1.10
TREAD : 0.25
RISE : 0.15
SOFFIT THICK : 0.17

SECTION - XX

PROJECT NAME:	
SHEET NO.	DATE
CHECKED BY	DESIGNED BY
DRAWN BY	TECHNICAL
REVIEWED BY	TECHNICAL



SPECIAL NOTES:-

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 - Fine and coarse aggregate shall conform to IS:383-1987.
 - Concrete shall be machine mixed and mechanically vibrated.
 - The given designs are done for Ground +1 floor only.

Check by [Signature]

Advisory Engineer
For S.V. ShaAR
-PESPECIALISED CIVIL ENGINEERS
• No. 19-12-623D, Bairagipattada
TIRUPATI-517 501

STRUCTURAL ENGINEER:

GROUND FLOOR FLOOR BEAM LAYOUT

DRAWING TITLE:

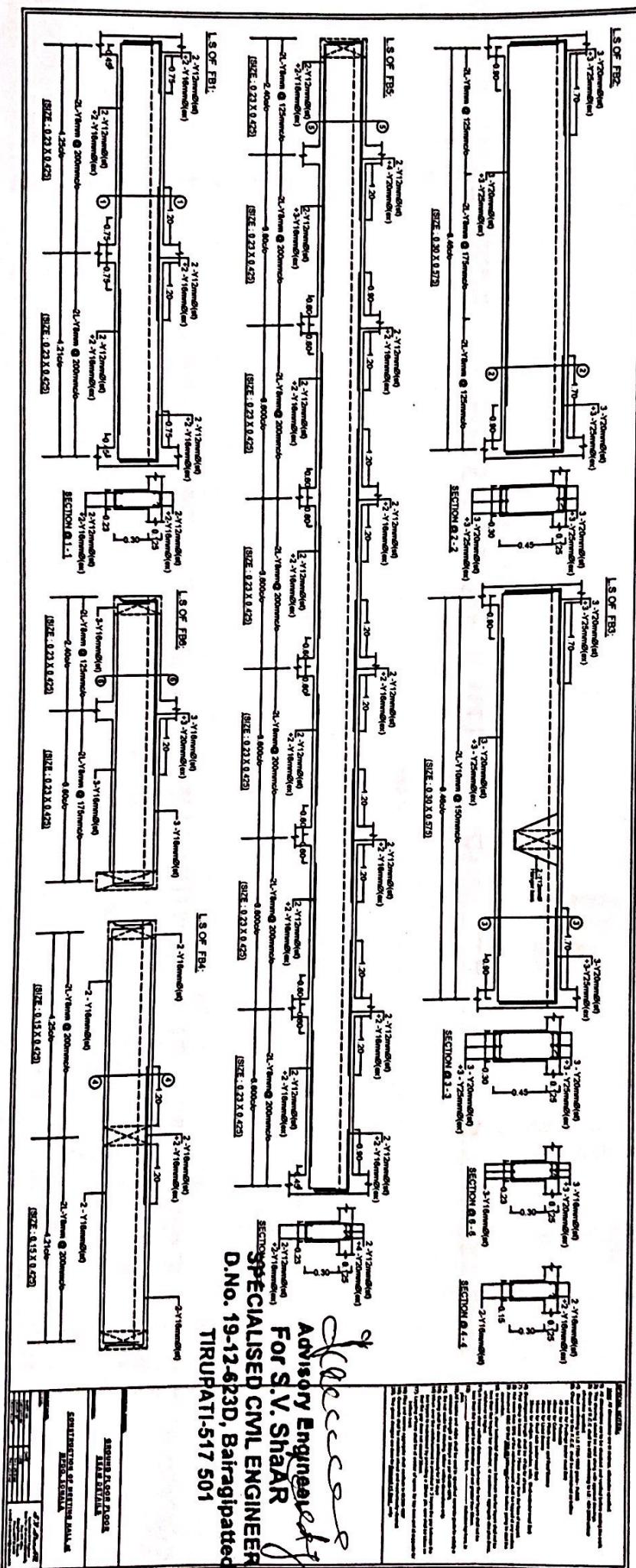
CONSTRUCTION OF MEETING HALL at MPDO, SOMALA

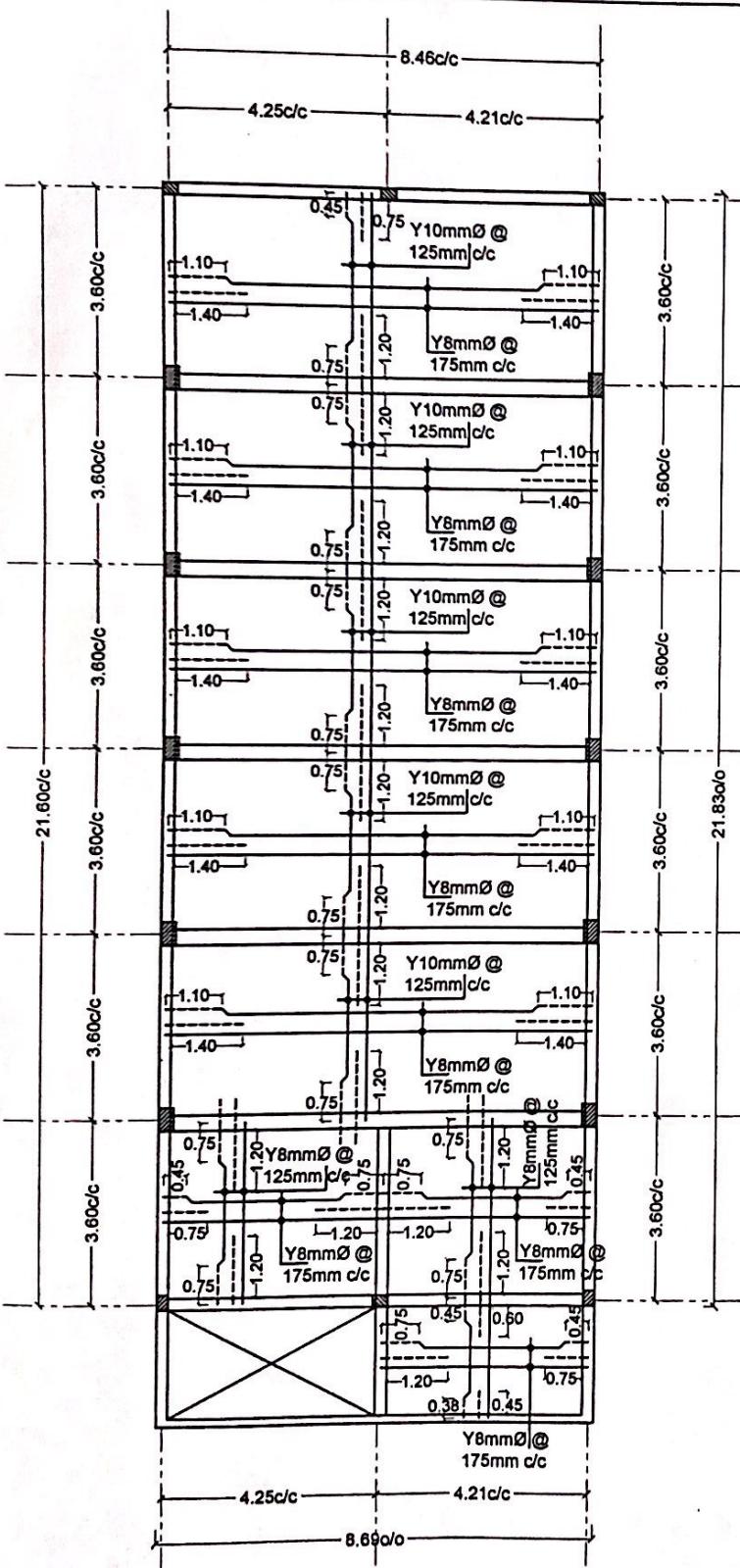
PROJECT NAME:

CLIENT:

SHEET NO.:	DATE:
CHECKED BY	MVR
DRAWN BY	THULASI RAM
DESIGNED BY	THULASI RAM

S.V. ShaAR
Specialised Civil Engineers
Door No : 18-44-812-1-15/1 (G23D),
Near CTY Office,
Bairagi Pattiada,
Tirupati-517 501
Phone: 0877 22 12345
e-mail : svshaar@yahoo.co.in





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 - 18) Fine and coarse aggregate shall conform to IS:383-1987.
 - 19). Concrete shall be machine mixed and mechanically vibrated.
 - 20). The given designs are done for Ground +1 floor only.

Access ready
**Advisory Engineer
For S.V. ShaAR
SPECIALISED CIVIL ENGINEERS
D.No. 19-12-623D, Bairagipattada
TIRUPATI-517 501**

STRUCTURAL ENGINEER:

**GROUND FLOOR FLOOR
SLAB DETAILS**

**CONSTRUCTION OF MEETING HALL at
MPDO, SOMALA**

PROJECT NAME:

CLIENT:

S.V. ShaAR
Specialised Engineers
Door No. 19-44-513-513(513/523D),
Near CPI Office,
Bairagi Pattiada, Tirupati.
Phone : 0877 22 2245
e-mail : svshaar@yahoo.co.in

SHEET NO.: DATE:

CHECKED BY: IVRR

DRAWN BY: THULASI RAM

DESIGNED BY: THULASI RAM