

**A.P.CONSTRUCTIONS**

We are here to build your dream  
 ER.LARUL PRAKASH, B.E.,D.C.E.,  
 REGISTERED ENGINEER (GRADE-III)  
 VIRUDHACHALAM MUNICIPALITY  
 2, A.M.H Complex, Kamaraj Street  
 Virudhachalam-606 001  
 MOb: +919668456316, +916380095456

**STRUCTURAL CONSULTANT:**

**SKYSKRAP  
 CONSULTANTS**

SAI BABA COLONY,  
 COIMBATORE-641 011

Ph no : +91 96293 29230  
 +91 97516 50886

**CLIENT:**

NaNSEI TRUST

**PROJECT LOCATION:**

NaNSEI BUILDING,ALAGAPURAM

**PROJECT TYPE:**

COMMERCIAL BUILDING

**GENERAL NOTES:**

- 1.ALL DIMENSIONS ARE IN FEET & INCHES.
- 2.GRADE OF CONCRETE, f<sub>ck</sub> = 25 N/mm<sup>2</sup>.
- 3.GRADE OF STEEL, f<sub>y</sub> = 500 N/mm<sup>2</sup>.
- 4.CLEAR COVER, FOR FOOTING = 50 mm  
FOR COLUMN = 40 mm
- 5.MINIMUM LAP LENGTH FOR COLUMNS  
SHALL BE 57φ OR 1m.
- 6.SBC OF SOIL CONSIDERED = 300 kN/m<sup>2</sup>.
- 7.THE STRUCTURE IS DESIGNED FOR  
GROUND + 2 FLOOR ONLY.
- 8.IF ANY POSSIBILITIES OF CONSTRUCTION  
FAILURES BY LABOUR IN SITE, THE  
STRUCTURAL ENGINEER IS NOT  
RESPONSIBLE.

**DIRECTION:**



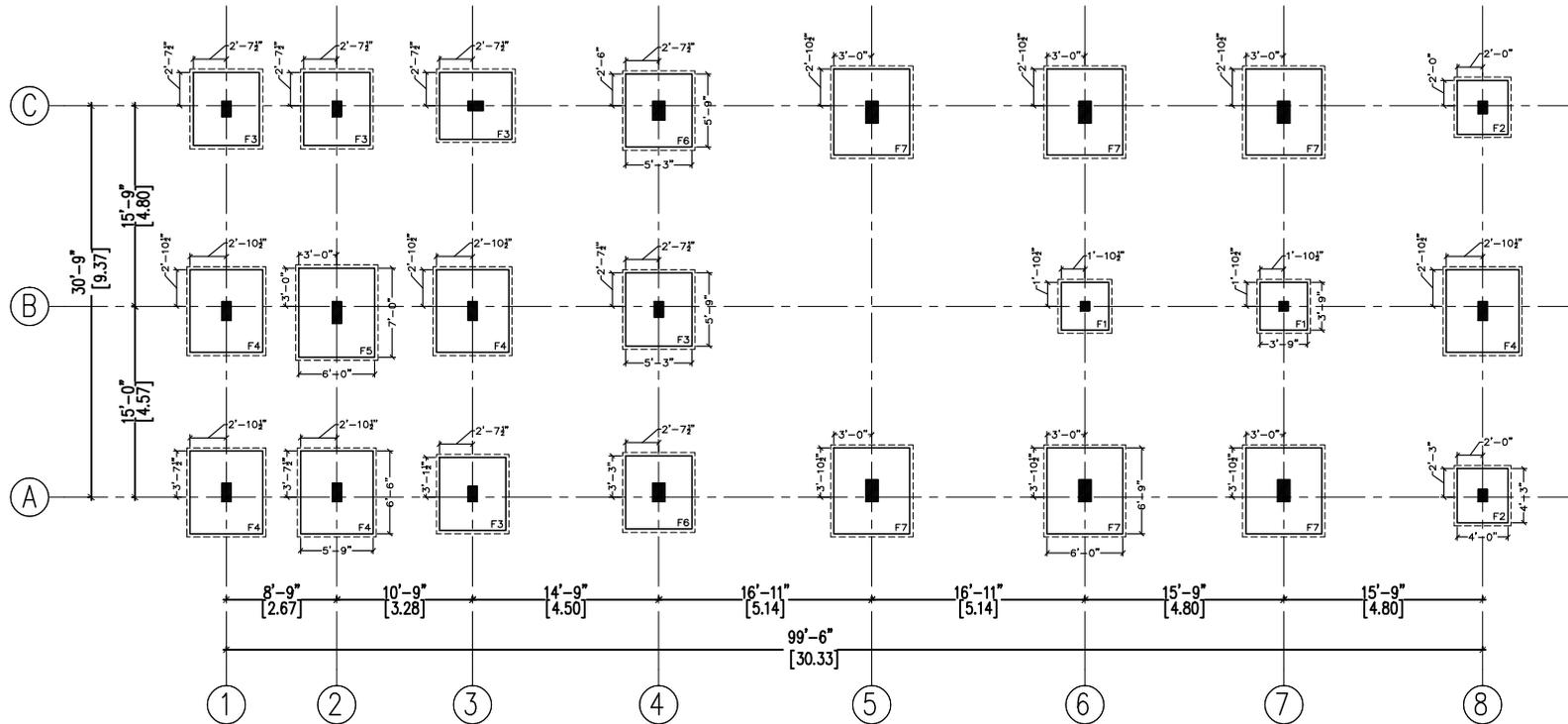
**PROJECT NO.:**

SH-14

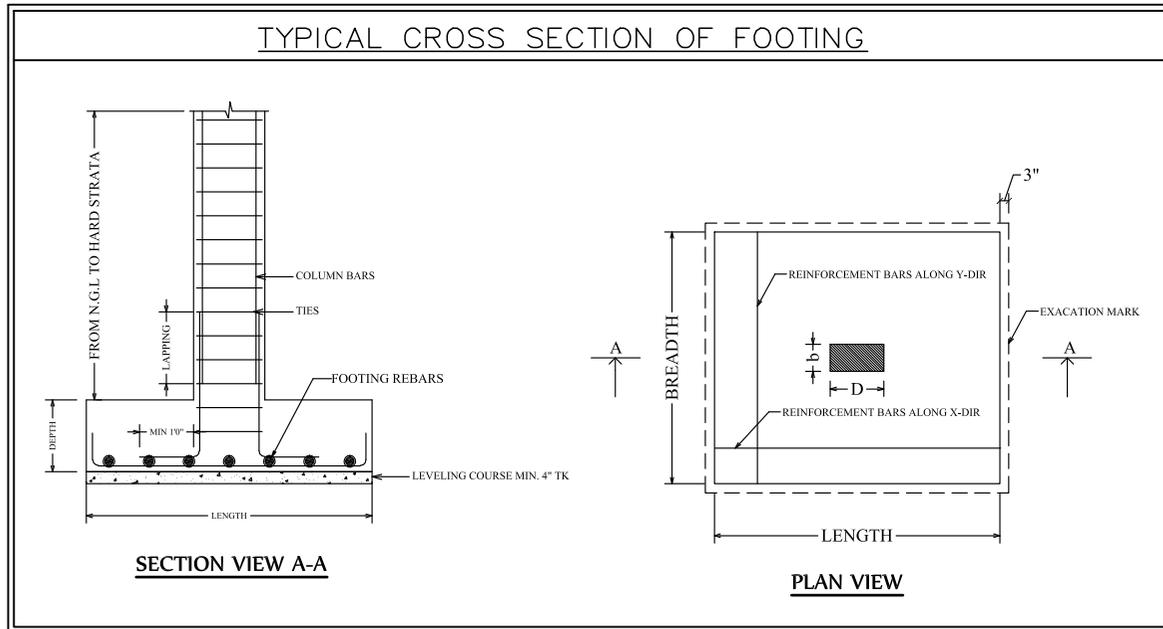
**DRAWING TITLE/NO.:**

FOOTING LAYOUT/A.1

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	07.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



FOOTING LAYOUT



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**DIRECTION:**



**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

FOOTING DETAIL/A.2

**DESIGNED BY** RJ

**DRAWN BY** RJ

**CHECKED BY** PD

**SCALE** AS SHOWN

**DATE** 07.01.2021

**REVISION NO.** 01

**REVISION DT.** 10.01.2021

**REVISION BY** -

**REVISION  
 CHECKED BY** -

**FOOTING SCHEDULE :-**

FOOTING NO.	LENGTH	BREADTH	DEPTH	REINFORCEMENT DETAIL		COLUMN SIZE	NO.OF FOOTINGS
				X-DIR	Y-DIR		
F1	3'9"	3'9"	1'0"	Ø10@8"C/C	Ø10@8"C/C	0'9"X0'9"	02
F2	4'3"	4'0"	1'3"	Ø10@6"C/C	Ø10@6"C/C	0'9"X1'0"	02
F3	5'9"	5'3"	1'9"	Ø10@5"C/C	Ø10@5"C/C	0'9"X1'3"	05
F4	6'6"	5'9"	2'0"	Ø12@6"C/C	Ø12@6"C/C	0'9"X1'6"	05
F5	7'0"	6'0"	2'0"	Ø12@5"C/C	Ø12@5"C/C	0'9"X1'9"	01
F6	5'9"	5'3"	1'9"	Ø10@5"C/C	Ø10@5"C/C	1'0"X1'6"	02
F7	6'9"	6'0"	2'0"	Ø12@5"C/C	Ø12@5"C/C	1'0"X1'9"	06
TOTAL							23

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**STRUCTURAL CONSULTANT:**

# SKYSKRAP CONSULTANTS

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 +91 97516 50886

**CLIENT:**

NANSEI TRUST

**PROJECT LOCATION:**

NANSEI BUILDING, ALAGAPURAM

**PROJECT TYPE:**

COMMERCIAL BUILDING

**GENERAL NOTES:**

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FOR COLUMN = 40 mm
5. MINIMUM LAP LENGTH FOR COLUMNS  
SHALL BE  $57\phi$  OR 1m.
6. SBC OF SOIL CONSIDERED =  $300 \text{ kN/m}^2$ .
7. THE STRUCTURE IS DESIGNED FOR  
GROUND + 2 FLOOR ONLY.
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FAILURES BY LABOUR IN SITE, THE  
STRUCTURAL ENGINEER IS NOT  
RESPONSIBLE.

**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

COLUMN LAYOUT/B.1

DESIGNED BY RJ

DRAWN BY RJ

CHECKED BY PD

SCALE AS SHOWN

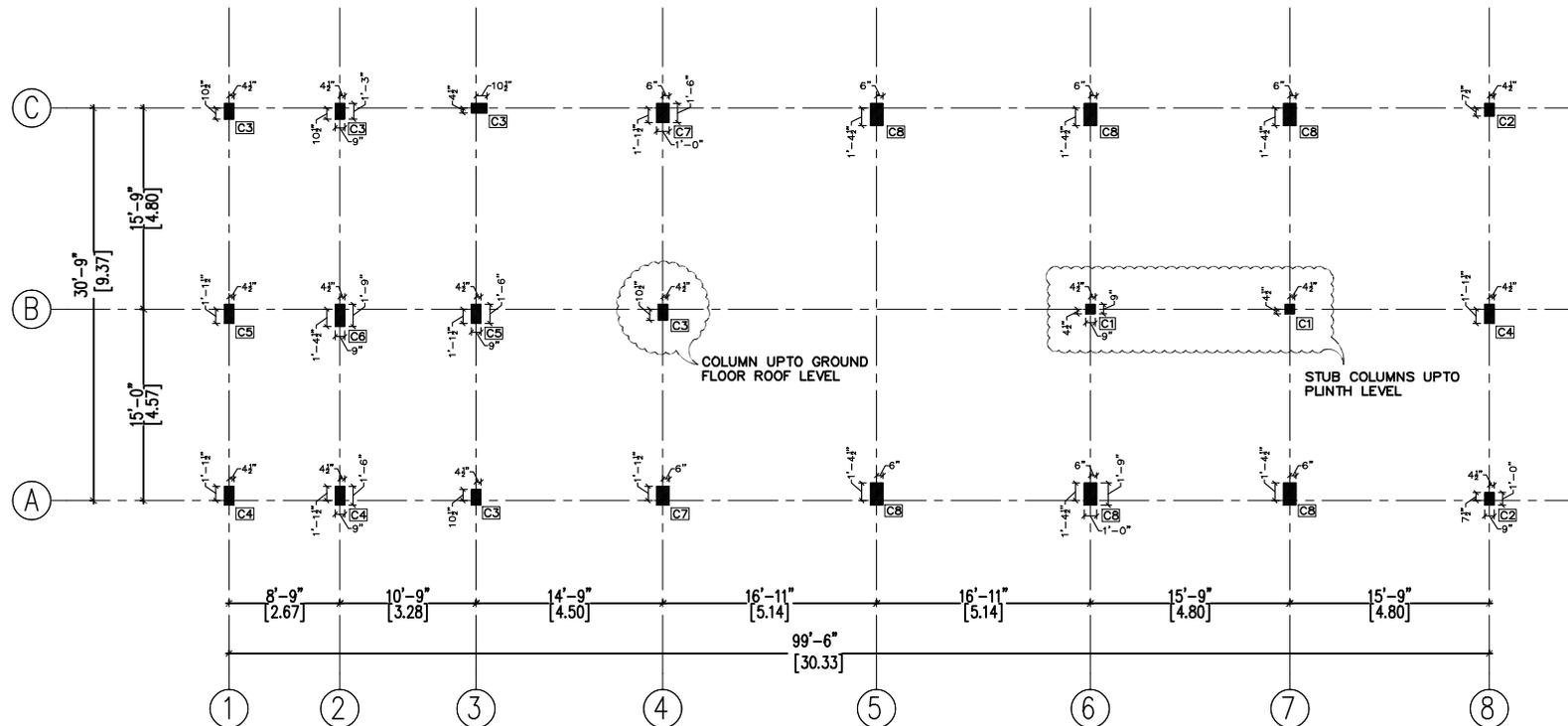
DATE 07.01.2021

REVISION NO. 01

REVISION DT. 10.01.2021

REVISION BY -

REVISION CHECKED BY -



## COLUMN LAYOUT

# COLUMN REINFORCEMENT DETAILS:-

COLUMN NO	COLUMN REINFORCEMENT DETAILS		TIES DETAILS	NO.OF COLUMNS
	UPTO PLINTH LEVEL	UPTO PLINTH LEVEL		
C1 (STUB COLUMN)				02
	UPTO TERRACE FLOOR LEVEL	UPTO TERRACE FLOOR LEVEL		
C2				02
	UPTO TERRACE FLOOR LEVEL	UPTO TERRACE FLOOR LEVEL		
C3				05
	UPTO TERRACE FLOOR LEVEL	UPTO TERRACE FLOOR LEVEL		
C4				03
	UPTO TERRACE FLOOR LEVEL	UPTO TERRACE FLOOR LEVEL		
C5				02
	UPTO GROUND FLOOR ROOF LEVEL	UPTO TERRACE FLOOR LEVEL		
C6				01
	UPTO TERRACE FLOOR LEVEL	UPTO TERRACE FLOOR LEVEL		
C7				02
	UPTO TERRACE FLOOR LEVEL	UPTO TERRACE FLOOR LEVEL		
C8				06
	UPTO TERRACE FLOOR LEVEL	UPTO TERRACE FLOOR LEVEL		
			TOTAL	23

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### STRUCTURAL CONSULTANT:

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- MINIMUM LAP LENGTH FOR COLUMNS SHALL BE 57 $\phi$  OR 1m.
- SBC OF SOIL CONSIDERED = 300 kN/m<sup>2</sup>.
- THE STRUCTURE IS DESIGNED FOR GROUND + 2 FLOOR ONLY.
- IF ANY POSSIBILITIES OF CONSTRUCTION FAILURES BY LABOUR IN SITE, THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE.

### CLIENT:

NANSEI TRUST  
**PROJECT LOCATION:**  
NANSEI BUILDING, ALAGAPURAM  
**PROJECT TYPE:**  
COMMERCIAL BUILDING  
**DRAWING TITLE/NO:**  
COLUMN DETAIL/B.2

### DIRECTION:



### PROJECT NO:

SH-14

DESIGNED BY RJ

DRAWN BY RJ

CHECKED BY PD

SCALE AS SHOWN

DATE 07.01.2021

REVISION NO. 01

REVISION DT. 10.01.2021

REVISION BY -

REVISION CHECKED BY -

**A.P.CONSTRUCTIONS**

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 REGISTERED ENGINEER (GRADE-II)  
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**STRUCTURAL CONSULTANT:**

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 +91 97516 50886

**CLIENT:**

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**PROJECT LOCATION:**

NANSEI BUILDING,ALAGAPURAM

**PROJECT TYPE:**

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- 3.GRADE OF STEEL, f<sub>y</sub> = 500 N/mm<sup>2</sup>.
- 4.CLEAR COVER, FOR BEAM = 25 mm  
FOR SLAB = 20 mm
- 5.MINIMUM LAP LENGTH FOR BEAMS & SLABS SHALL BE 47 $\phi$ .
- 6.CRANKS FOR SLABS SHOULD BE PROVIDED AT L/4 DISTANCE FROM THE SUPPORT.
- 7.READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS
- 8.IF ANY POSSIBILITIES OF CONSTRUCTION FAILURES BY LABOUR IN SITE, THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE.

**DIRECTION:**



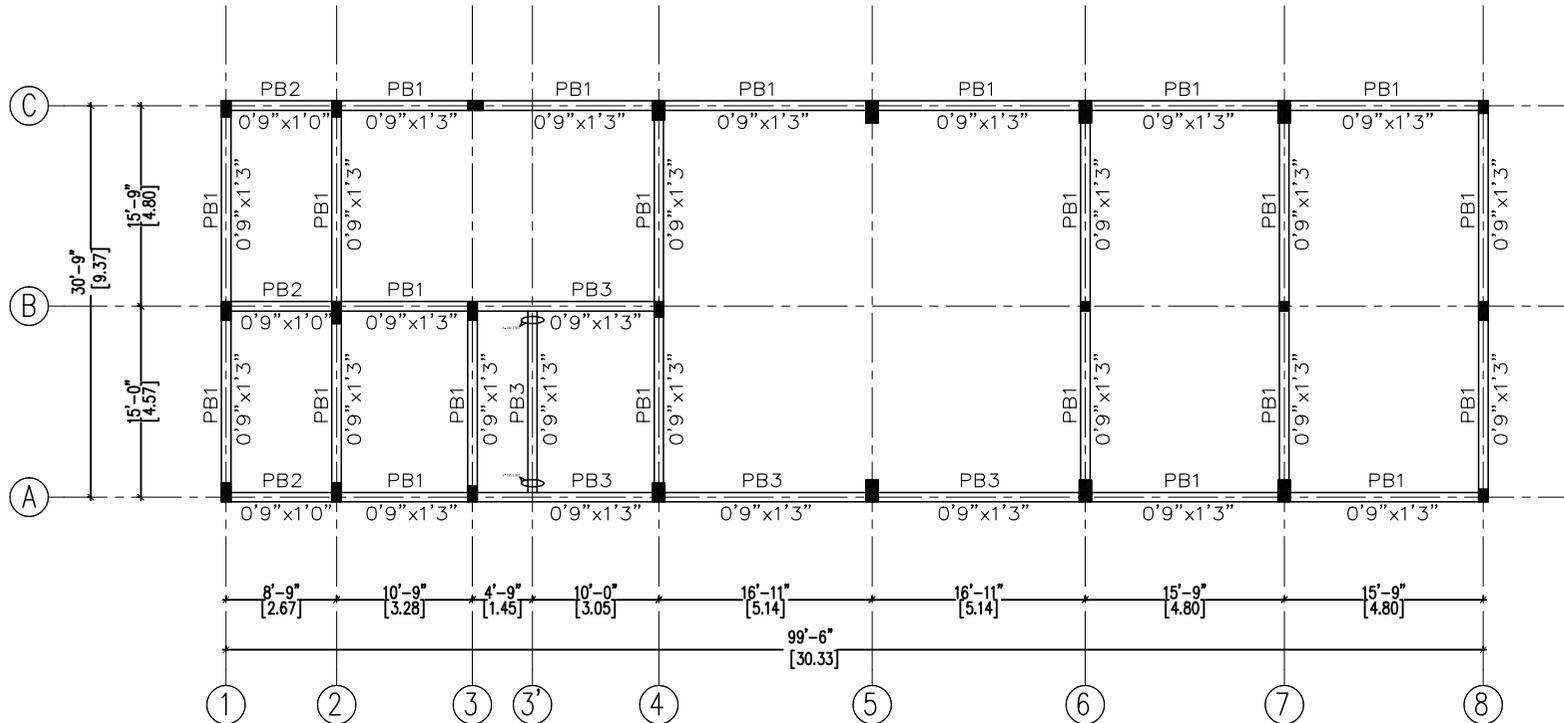
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

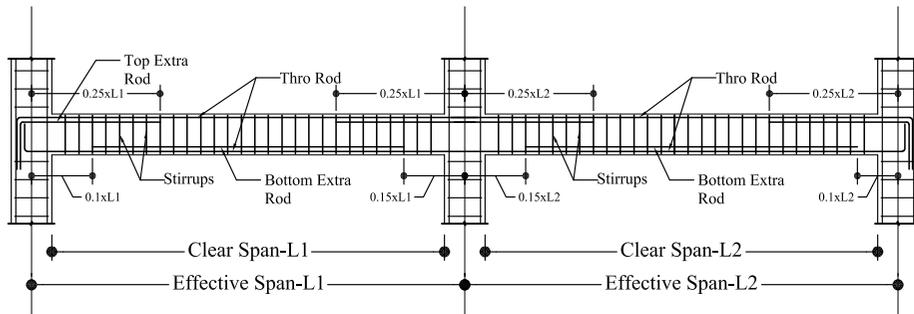
PLINTH BEAM LAYOUT/C

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	07.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



PLINTH BEAM LAYOUT

**TYPICAL LONGITUDINAL BEAM CROSS SECTION DETAILS: -**



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**DIRECTION:**



**PROJECT NO:**

SH-14

**DRAWING TITLE/NO:**

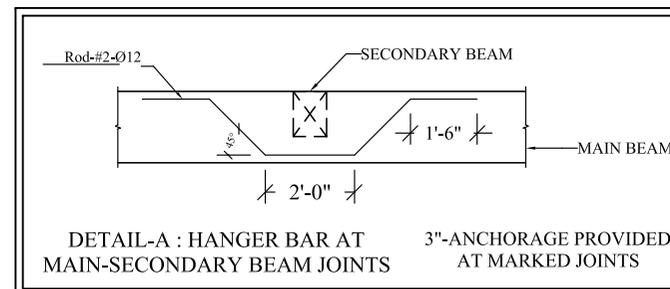
PLINTH BEAM DETAIL/C.1

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	07.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-

**PLINTH BEAM REINFORCEMENT DETAIL: -**

S.NO	BEAM NO/ SIZES	BEAM REINFORCEMENT DETAIL	STIRRUPS DETAIL
01	PB1		
	0'9" x 1'3"		
02	PB2		
	0'9" x 1'0"		

S.NO	BEAM NO/ SIZES	BEAM REINFORCEMENT DETAIL	STIRRUPS DETAIL
03	PB3		
	0'9" x 1'3"		



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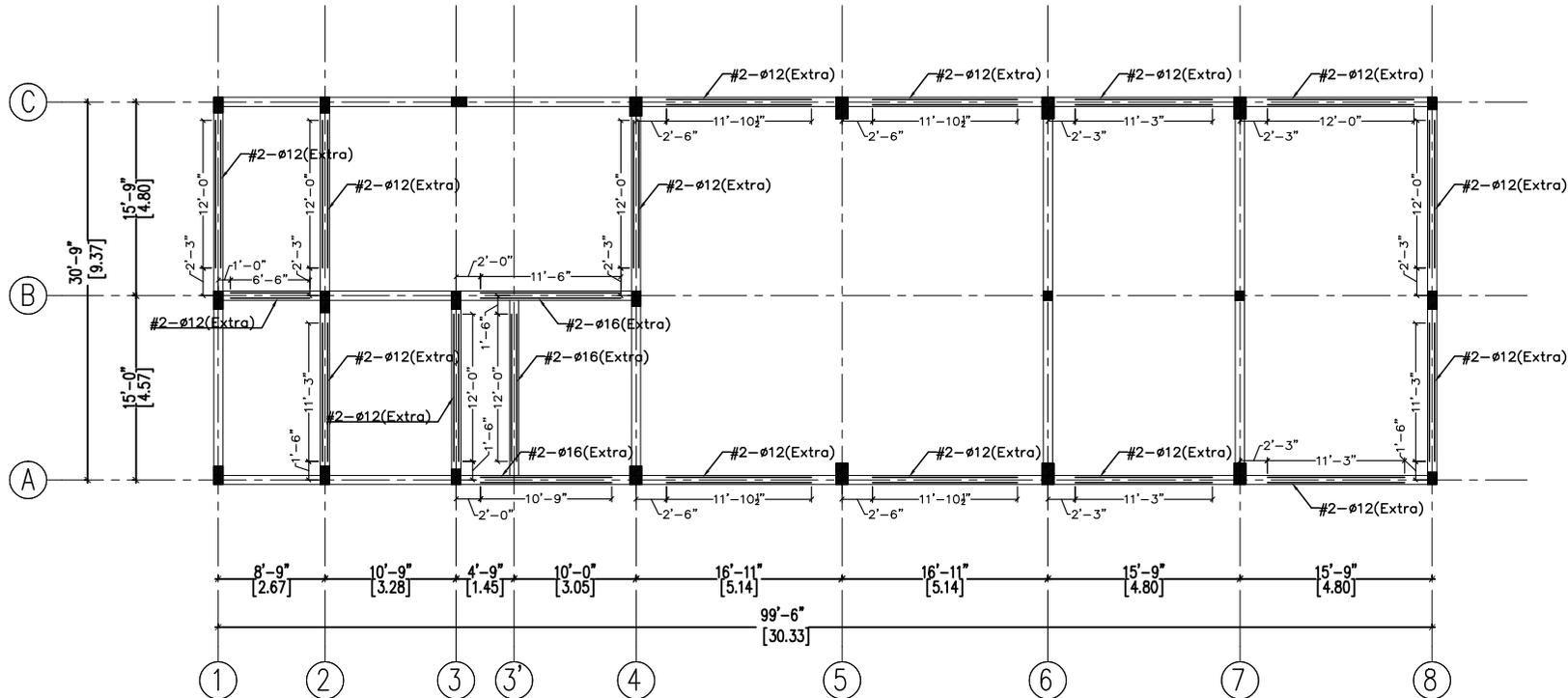
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

PLINTH BEAM BOTTOM EXTRA ROD  
LAYOUT & DETAIL/C.2

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	07.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



**PLINTH BEAM BOTTOM EXTRA ROD  
LAYOUT & DETAIL**

**A.P.CONSTRUCTIONS**

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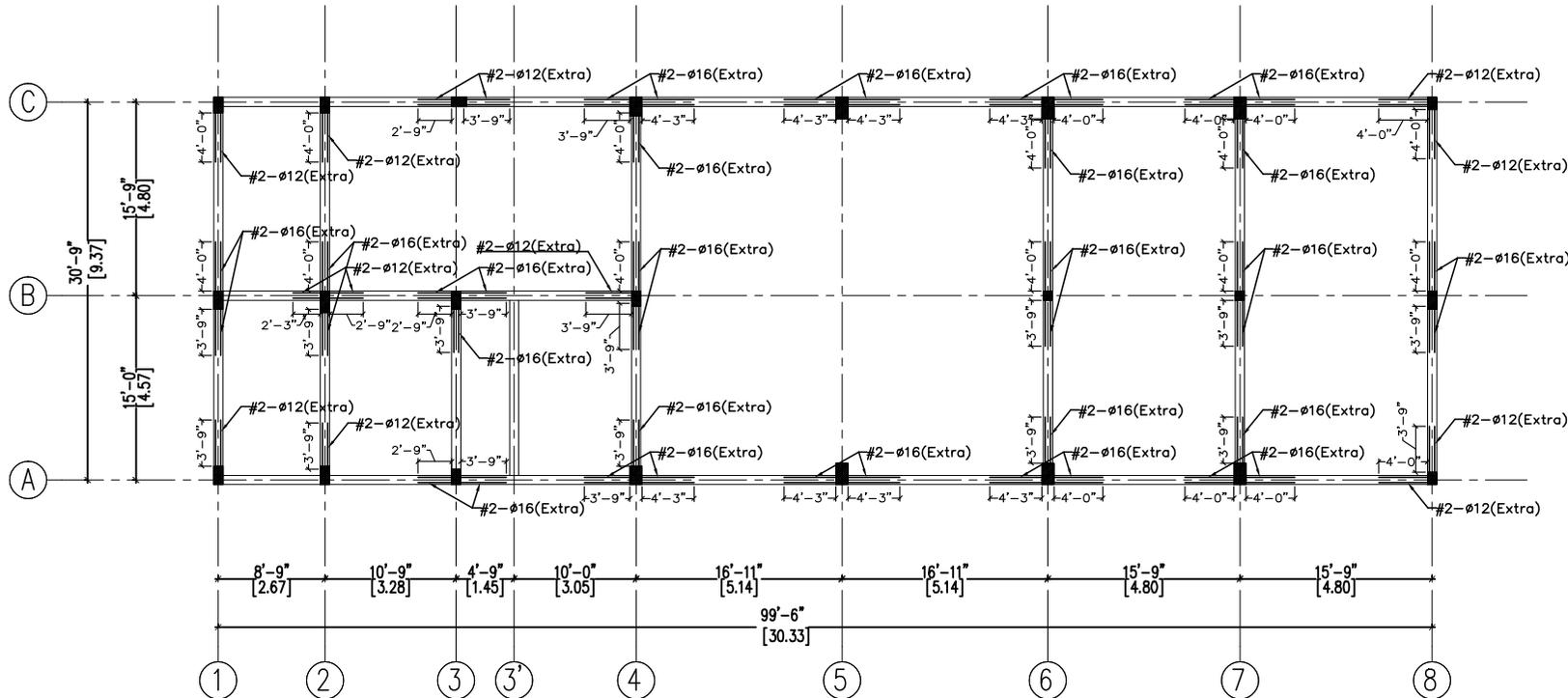
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

PLINTH BEAM TOP EXTRA ROD LAYOUT & DETAIL/C.3

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	07.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



PLINTH BEAM TOP EXTRA ROD  
LAYOUT & DETAIL

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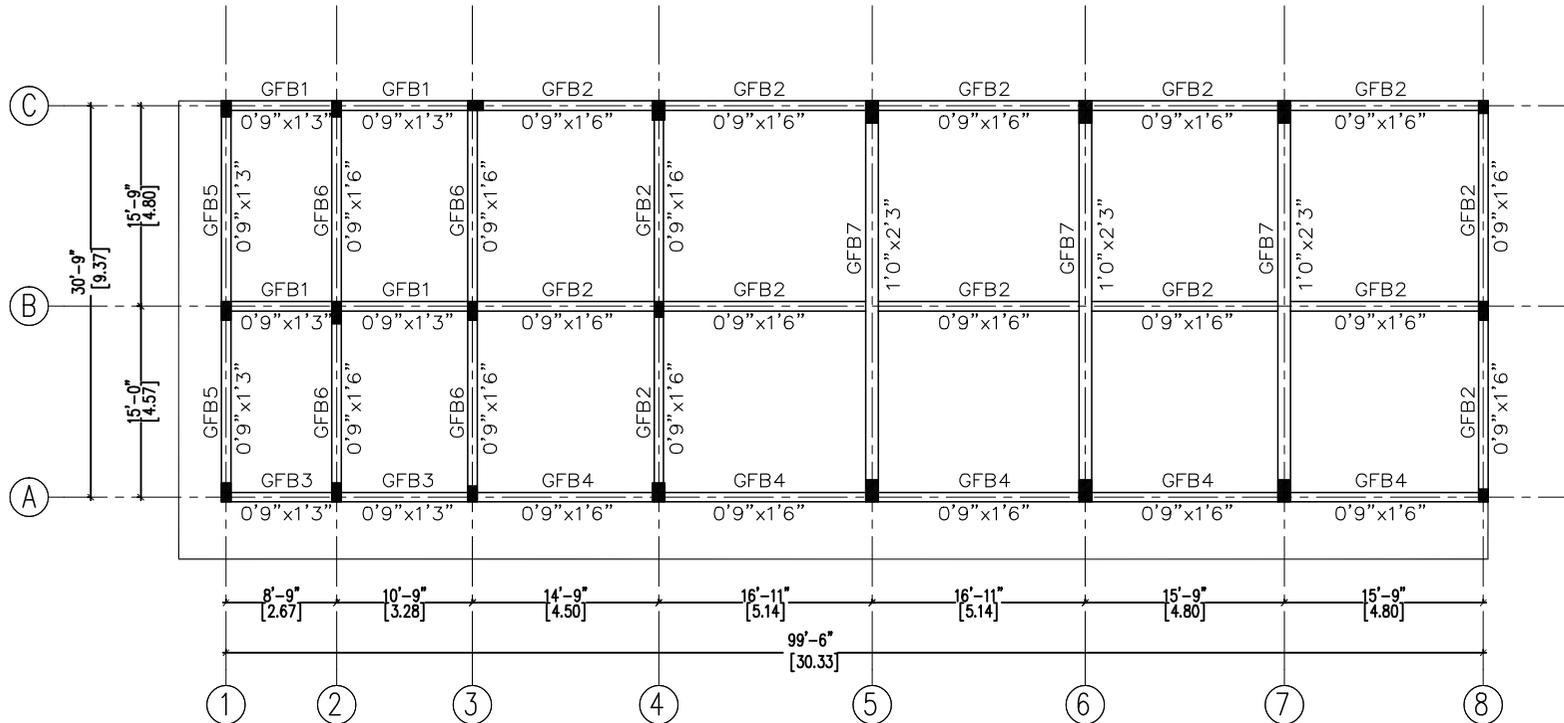
**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

GROUND FLOOR ROOF BEAM LAYOUT/F

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



## GROUND FLOOR ROOF BEAM LAYOUT

**STRUCTURAL CONSULTANT:**

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**DIRECTION:**



**PROJECT NO.:**

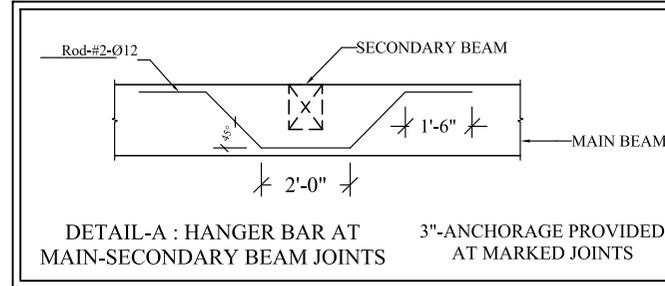
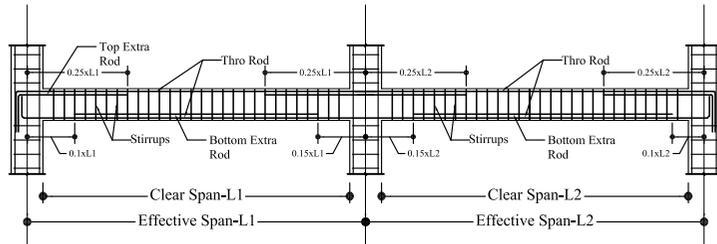
SH-14

**DRAWING TITLE/NO.:**

GROUND FLOOR ROOF BEAM DETAIL/F.1

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-

**TYPICAL LONGITUDINAL BEAM CROSS SECTION DETAILS: -**



**GROUND FLOOR ROOF BEAM REINFORCEMENT DETAIL: -**

S.NO	BEAM NO./SIZES	BEAM REINFORCEMENT DETAIL	STIRRUPS DETAIL
01	GFB1		
	0'9" x 1'3"		
02	GFB2		
	0'9" x 1'6"		
03	GFB3		
	0'9" x 1'3"		
04	GFB4		
	0'9" x 1'6"		

S.NO	BEAM NO./SIZES	BEAM REINFORCEMENT DETAIL	STIRRUPS DETAIL
05	GFB5		
	0'9" x 1'3"		
06	GFB6		
	0'9" x 1'6"		
07	GFB7		
	1'0" x 2'3"		

**A.P.CONSTRUCTIONS**

*We are here to build your dream*

ER.L.ARUL PRAKASH. B.E.,D.C.E.,  
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Mob: +919688456316, +916380095456

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**STRUCTURAL CONSULTANT:**

# SKYSKRAP CONSULTANTS

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 COIMBATORE-641 011

Ph no : +91 96293 29230  
 +91 97516 50886

**CLIENT:**

NANSEI TRUST

**PROJECT LOCATION:**

NANSEI BUILDING,ALAGAPURAM

**PROJECT TYPE:**

COMMERCIAL BUILDING

**GENERAL NOTES:**

- 1.ALL DIMENSIONS ARE IN FEET & INCHES.
- 2.GRADE OF CONCRETE, f<sub>ck</sub> = 20 N/mm<sup>2</sup>.
- 3.GRADE OF STEEL, f<sub>y</sub> = 500 N/mm<sup>2</sup>.
- 4.CLEAR COVER, FOR BEAM = 25 mm  
FOR SLAB = 20 mm
- 5.MINIMUM LAP LENGTH FOR BEAMS & SLABS SHALL BE 47 $\phi$ .
- 6.CRANKS FOR SLABS SHOULD BE PROVIDED AT L/4 DISTANCE FROM THE SUPPORT.
- 7.READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS
- 8.IF ANY POSSIBILITIES OF CONSTRUCTION FAILURES BY LABOUR IN SITE, THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE.

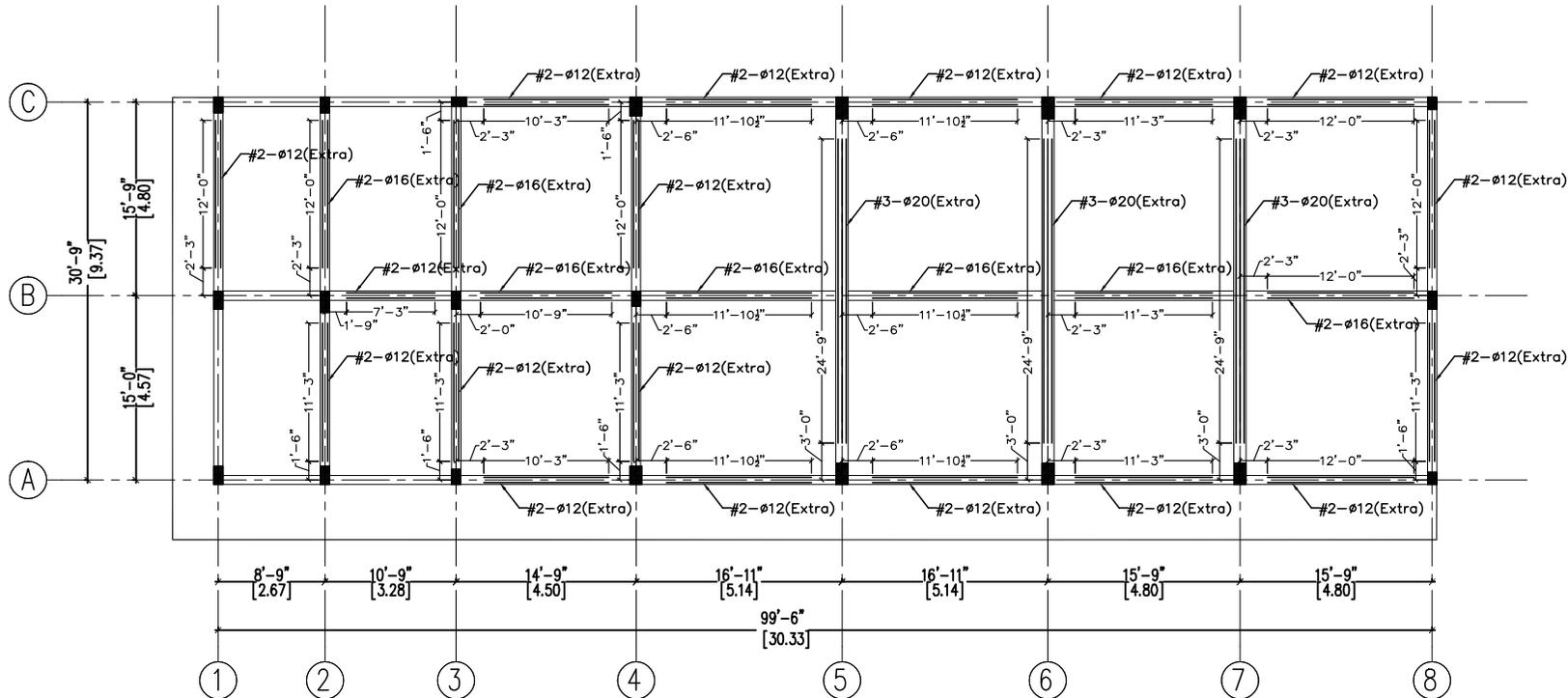
**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

GROUND FLOOR ROOF BEAM BOTTOM EXTRA ROD LAYOUT &amp; DETAIL / F.2

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



## GROUND FLOOR ROOF BEAM BOTTOM EXTRA ROD LAYOUT & DETAIL

**A.P.CONSTRUCTIONS**

We are here to build your dream  
 ERL.ARUL PRAKASH. B.E.,D.C.E.,  
 REGISTERED ENGINEER (GRADE-III)  
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 CONSULTANTS**

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Ph no : +91 96293 29230  
 +91 97516 50886

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7. READ THE STRUCTURAL DRAWINGS IN  
 CONJUNCTION WITH ARCHITECTURAL  
 DRAWINGS
8. IF ANY POSSIBILITIES OF CONSTRUCTION  
 FAILURES BY LABOUR IN SITE, THE  
 STRUCTURAL ENGINEER IS NOT  
 RESPONSIBLE.

**DIRECTION:**



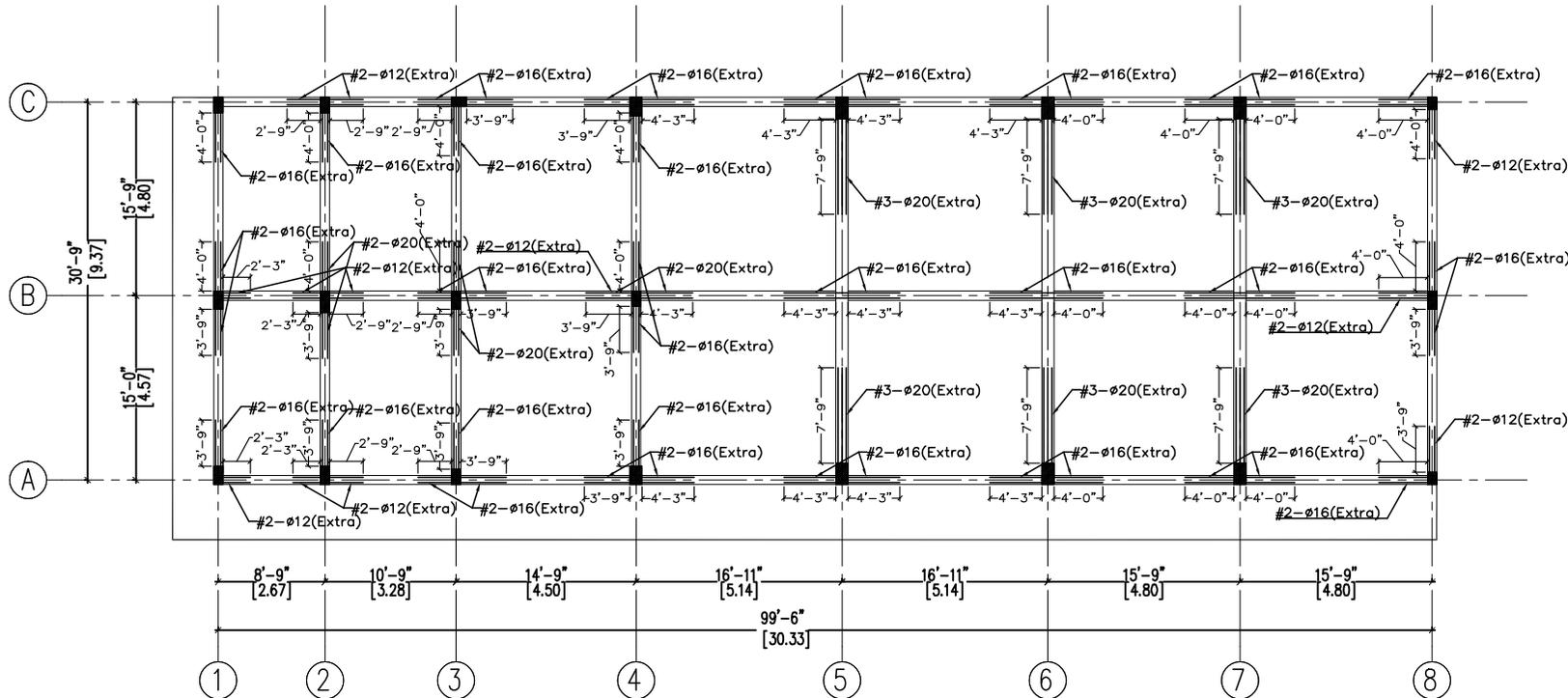
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

GROUND FLOOR ROOF BEAM TOP EXTRA  
 ROD LAYOUT & DETAIL / F.3

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



**GROUND FLOOR ROOF BEAM TOP EXTRA ROD  
 LAYOUT & DETAIL**

**A.P.CONSTRUCTIONS**

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**STRUCTURAL CONSULTANT:**

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**CLIENT:**

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**PROJECT TYPE:**

COMMERCIAL BUILDING

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**DIRECTION:**



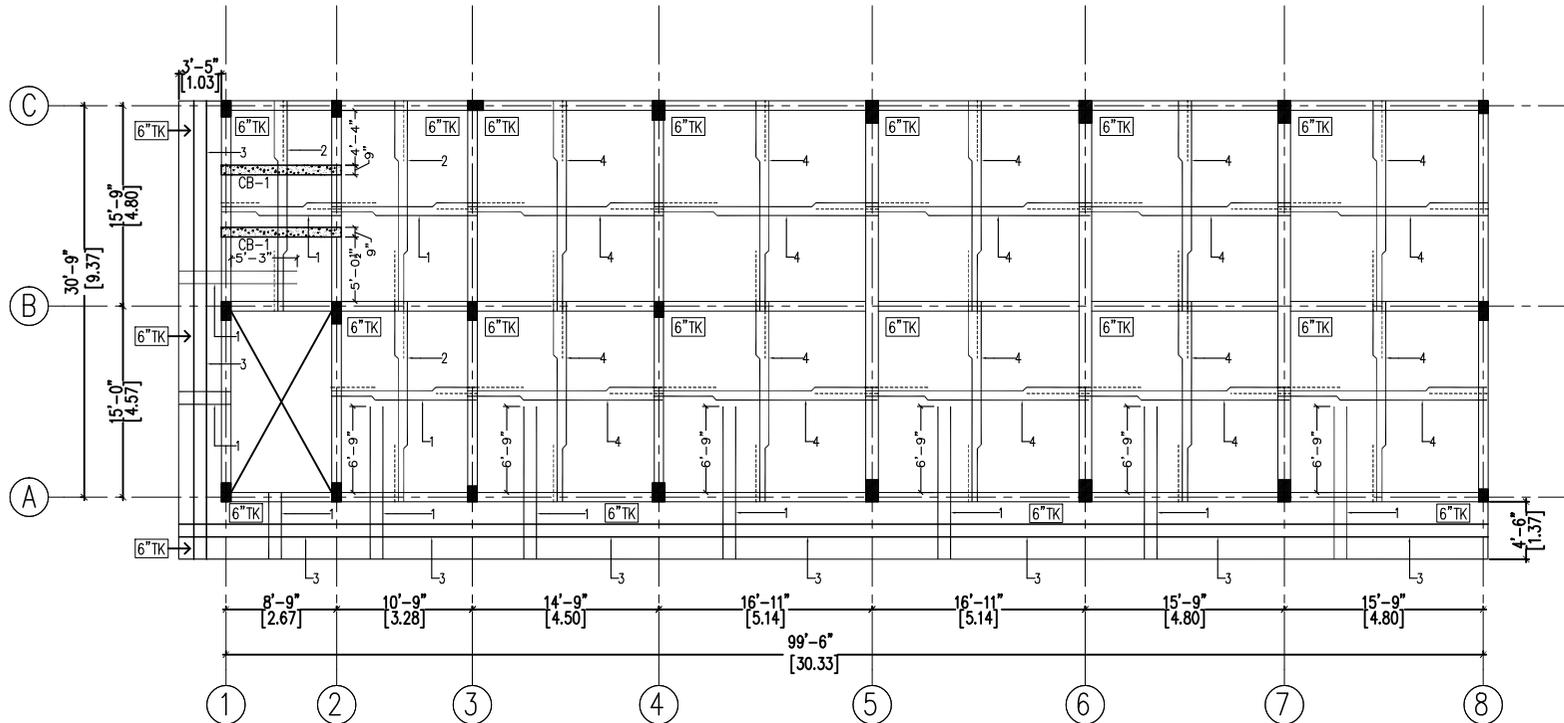
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

GROUND FLOOR ROOF SLAB LAYOUT & DETAIL/F.4

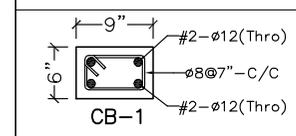
DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



SLAB REINFORCEMENT DETAIL	
1	$\phi 10 @ 6'' - C/C$
2	$\phi 10 @ 7'' - C/C$
3	$\phi 8 @ 6'' - C/C$
4	$\phi 10 @ 5'' - C/C$

**GROUND FLOOR ROOF SLAB  
 LAYOUT & DETAIL**

**CONCEALED BEAM DETAILS:**



**A.P.CONSTRUCTIONS**

We are here to build your dream  
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**PROJECT TYPE:**  
COMMERCIAL BUILDING

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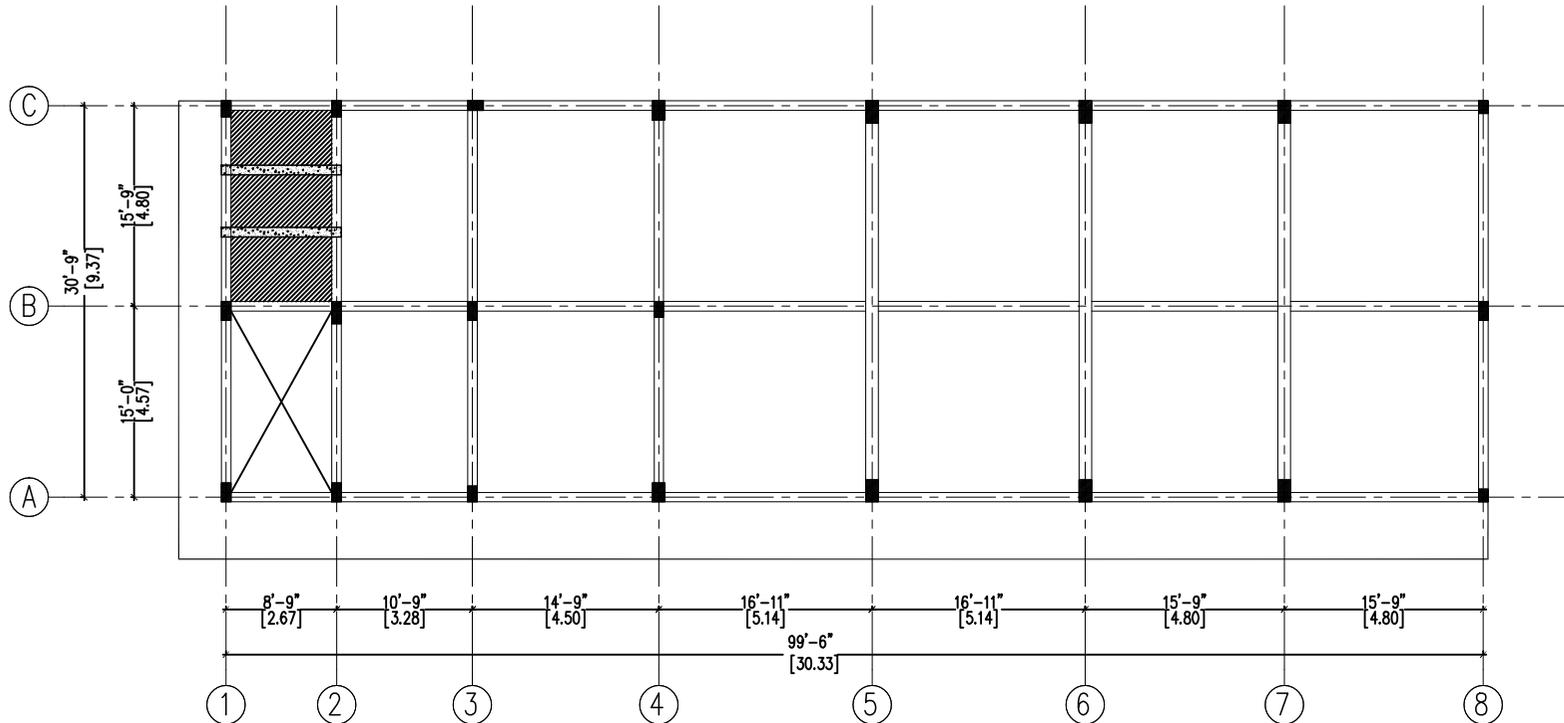
**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

GROUND FLOOR ROOF SUNKEN SLAB LAYOUT & DETAIL/F.5

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



## GROUND FLOOR ROOF SUNKEN SLAB LAYOUT & DETAIL



**A.P.CONSTRUCTIONS**

We are here to build your dream  
 ERL.ARUL PRAKASH. B.E.,D.C.E.,  
 REGISTERED ENGINEER (GRADE-III)  
 VRUDHACHALAM MUNICIPALITY  
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**STRUCTURAL CONSULTANT:**

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Ph no : +91 96293 29230  
 +91 97516 50886

**CLIENT:**

NANSEI TRUST

**PROJECT LOCATION:**

NANSEI BUILDING,ALAGAPURAM

**PROJECT TYPE:**

COMMERCIAL BUILDING

**GENERAL NOTES:**

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**DIRECTION:**



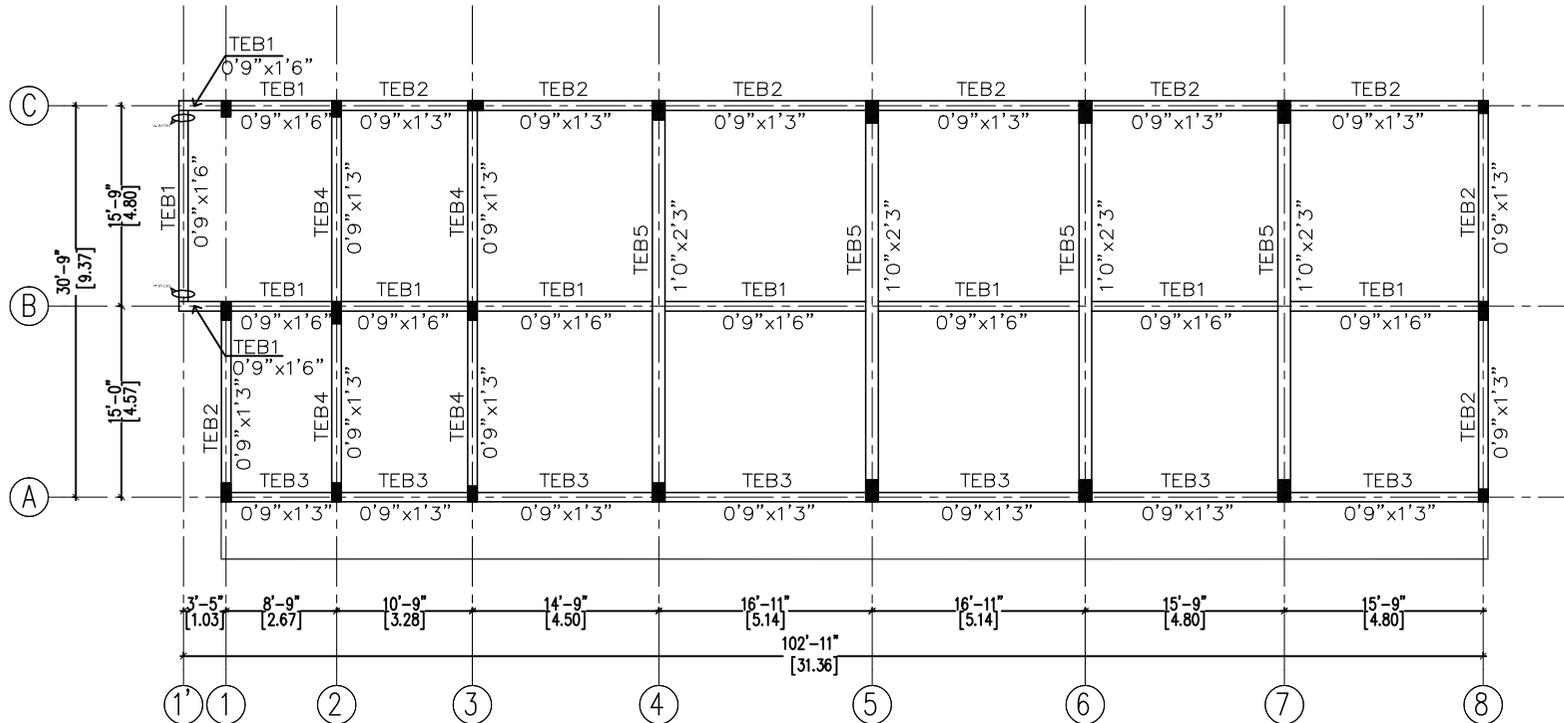
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

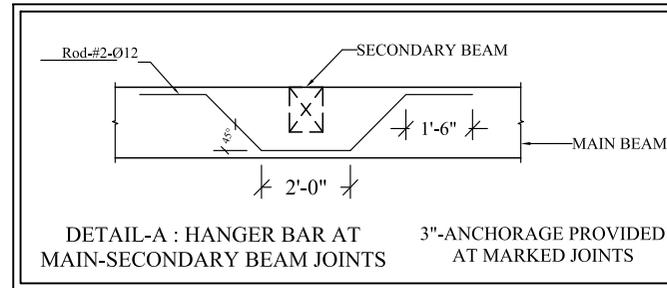
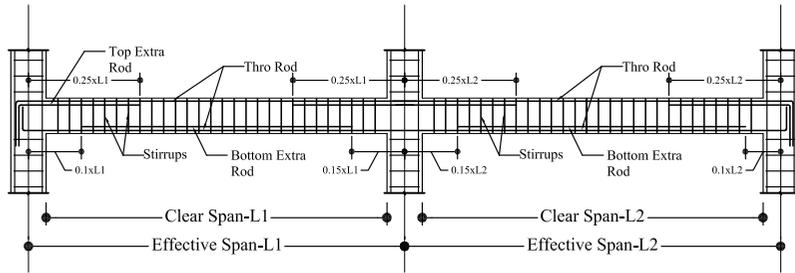
TERRACE FLOOR BEAM LAYOUT/G

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



**TERRACE FLOOR BEAM LAYOUT**

**TYPICAL LONGITUDINAL BEAM CROSS SECTION DETAILS: -**



**STRUCTURAL CONSULTANT:**

**SKYSKRAP CONSULTANTS**

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+91 97516 50886

**CLIENT:**

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**PROJECT LOCATION:**

NANSEI BUILDING, ALAGAPURAM

**PROJECT TYPE:**

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**DIRECTION:**



**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

TERRACE FLOOR BEAM DETAIL/G.1

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-

**TERRACE FLOOR BEAM REINFORCEMENT DETAIL: -**

S.NO	BEAM NO/ SIZES	BEAM REINFORCEMENT DETAIL	STIRRUPS DETAIL
01	TEB1 0'9" x 1'6"	<p>#2-Ø16(Thro) Ø8@8" - C/C #2-Ø16(Thro)</p>	
02	TEB2 0'9" x 1'3"	<p>#2-Ø12(Thro) Ø8@8" - C/C #2-Ø12(Thro)</p>	
03	TEB3 0'9" x 1'3"	<p>#2-Ø12(Thro) Ø8@8" - C/C #2-Ø16(SIDE-FACE REINFORCEMENT) #2-Ø12(Thro)</p>	

S.NO	BEAM NO/ SIZES	BEAM REINFORCEMENT DETAIL	STIRRUPS DETAIL
04	TEB4 0'9" x 1'3"	<p>#2-Ø16(Thro) Ø8@8" - C/C #2-Ø16(Thro)</p>	
05	TEB5 1'0" x 2'3"	<p>#3-Ø20(Thro) Ø8@7" - C/C #3-Ø20(Thro)</p>	

**A.P.CONSTRUCTIONS**

We are here to build your dream

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**STRUCTURAL CONSULTANT:**

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**CLIENT:**

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**PROJECT TYPE:**

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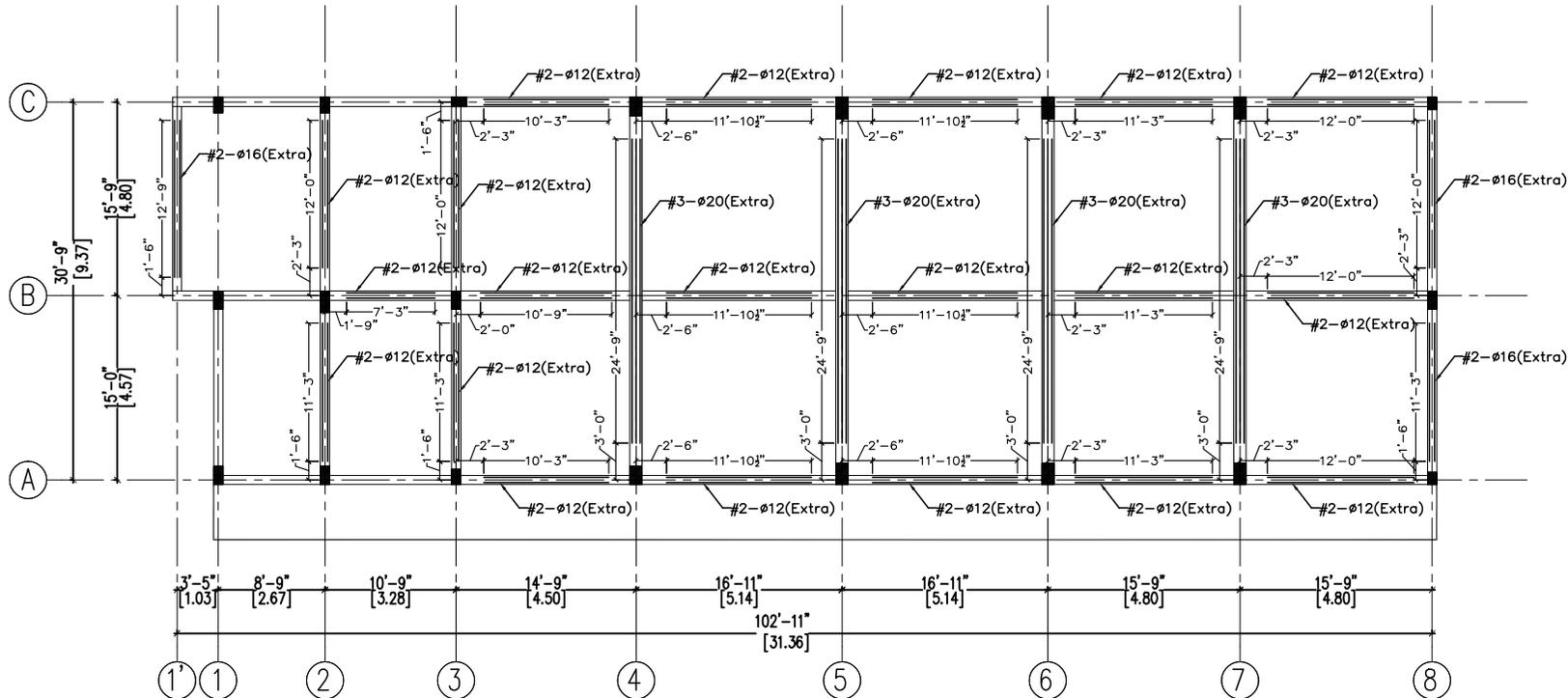
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

TERRACE FLOOR BEAM BOTTOM EXTRA  
 ROD LAYOUT & DETAIL/G.2

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
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**TERRACE FLOOR BEAM BOTTOM EXTRA ROD  
 LAYOUT & DETAIL**

**A.P.CONSTRUCTIONS**  
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**STRUCTURAL CONSULTANT:**

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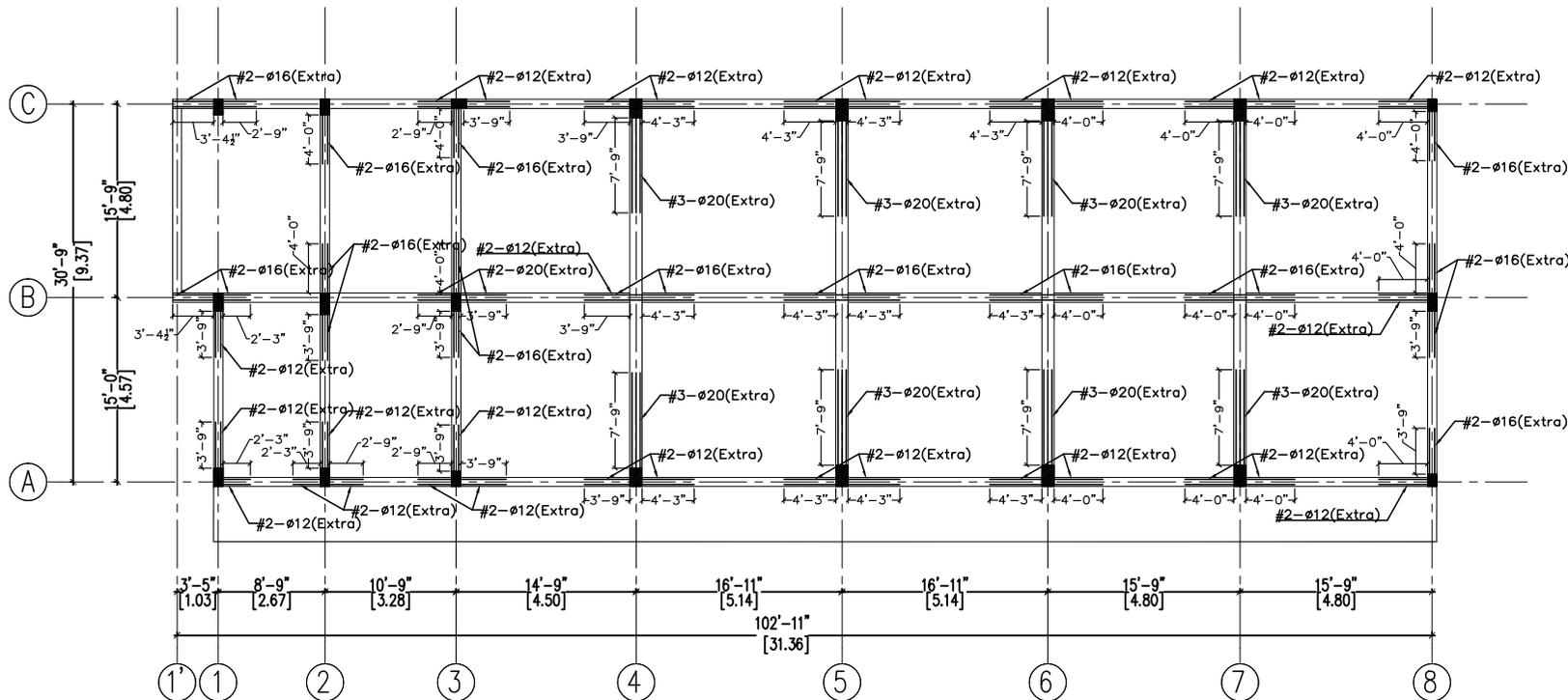
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

TERRACE FLOOR BEAM TOP EXTRA  
 ROD LAYOUT & DETAIL/G.3

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



TERRACE FLOOR BEAM TOP EXTRA ROD  
 LAYOUT & DETAIL

**A.P.CONSTRUCTIONS**

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**STRUCTURAL CONSULTANT:**

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 CONSULTANTS**

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 COIMBATORE-641 011

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 +91 97516 50886

**CLIENT:**

NANSEI TRUST

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NANSEI BUILDING,ALAGAPURAM

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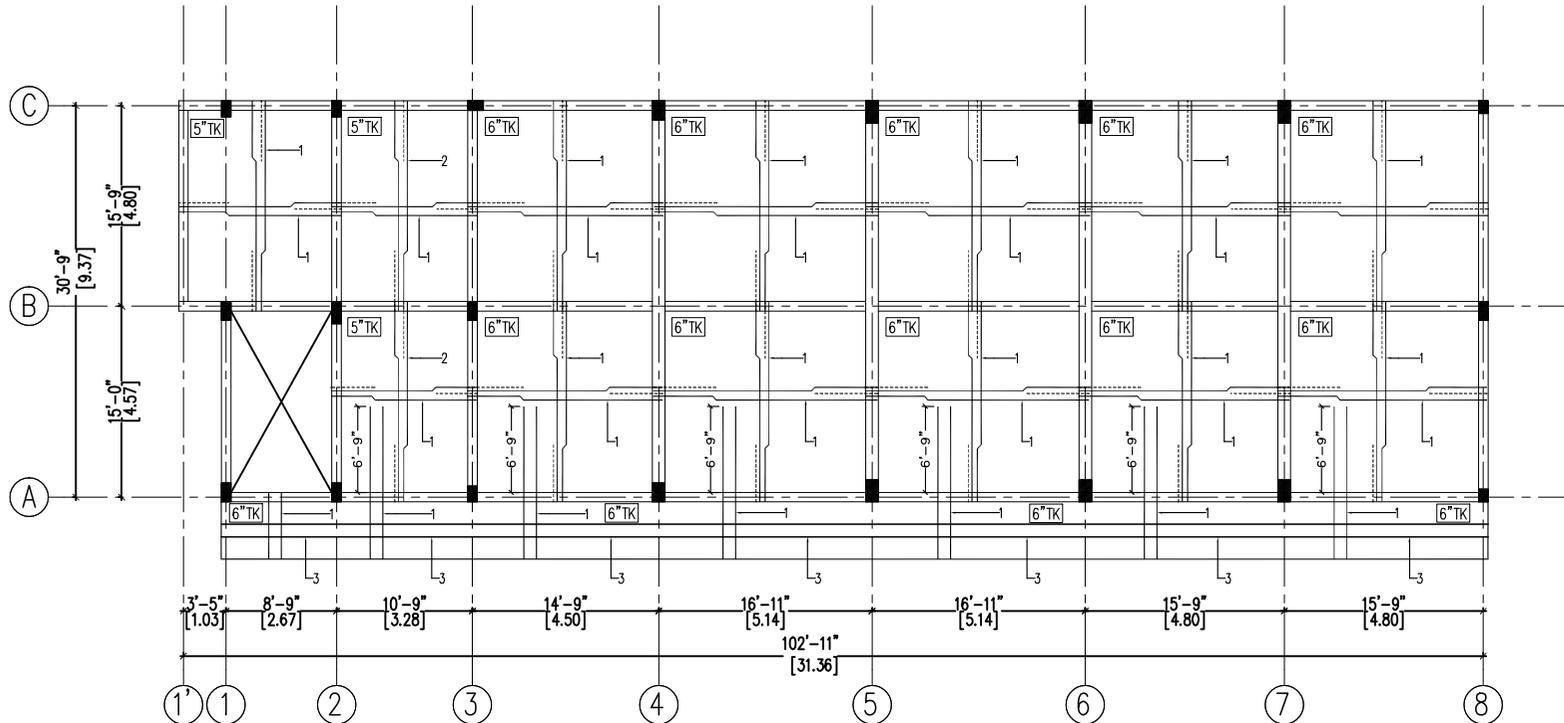
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

TERRACE FLOOR SLAB LAYOUT & DETAIL/G.4

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



**SLAB REINFORCEMENT  
 DETAIL**

1	$\phi 10@6''$ -C/C
2	$\phi 10@7''$ -C/C
3	$\phi 8@6''$ -C/C

**TERRACE FLOOR SLAB  
 LAYOUT & DETAIL**

**A.P.CONSTRUCTIONS**

We are here to build your dream  
 ERL.ARUL PRAKASH. B.E.,D.C.E.,  
 REGISTERED ENGINEER (GRADE-II)  
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**STRUCTURAL CONSULTANT:**

# SKYSKRAP CONSULTANTS

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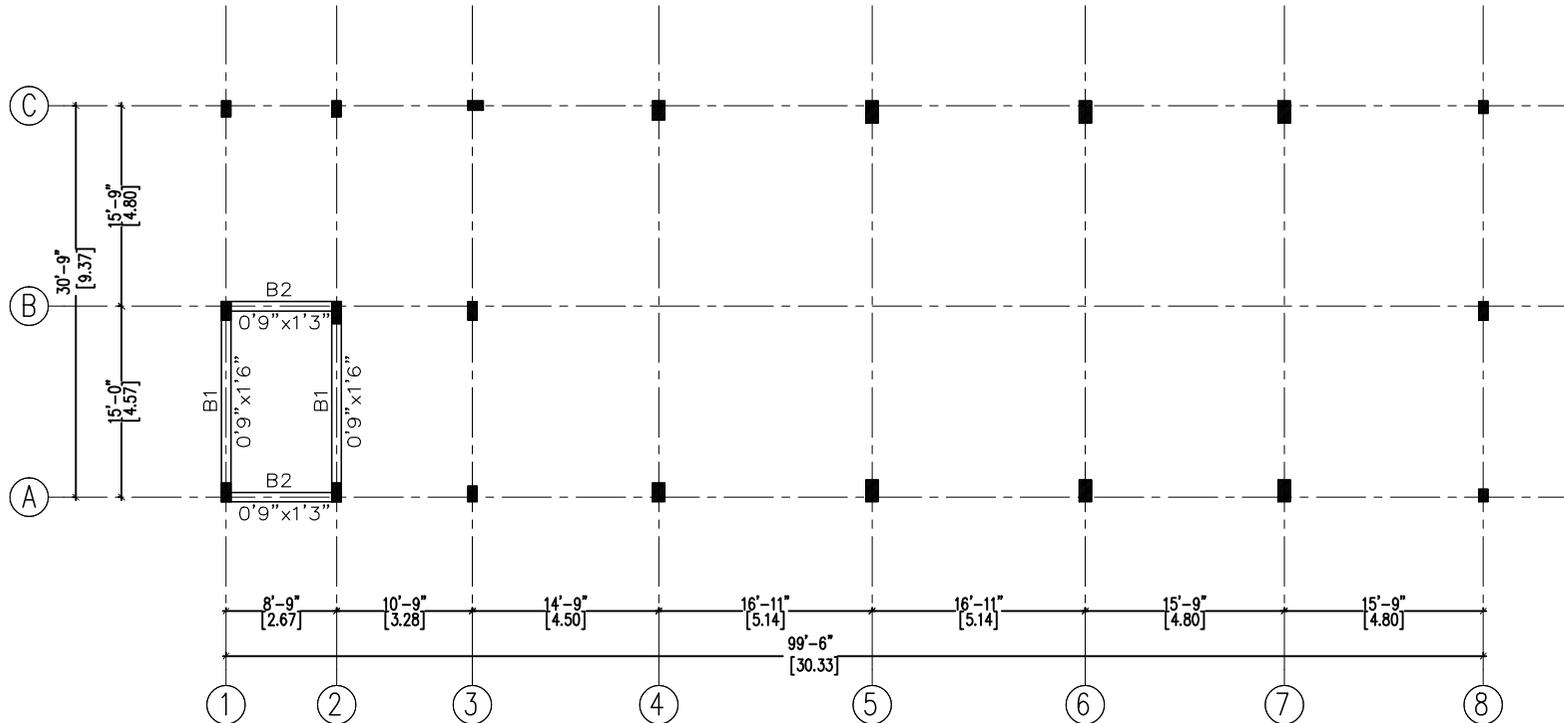
**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

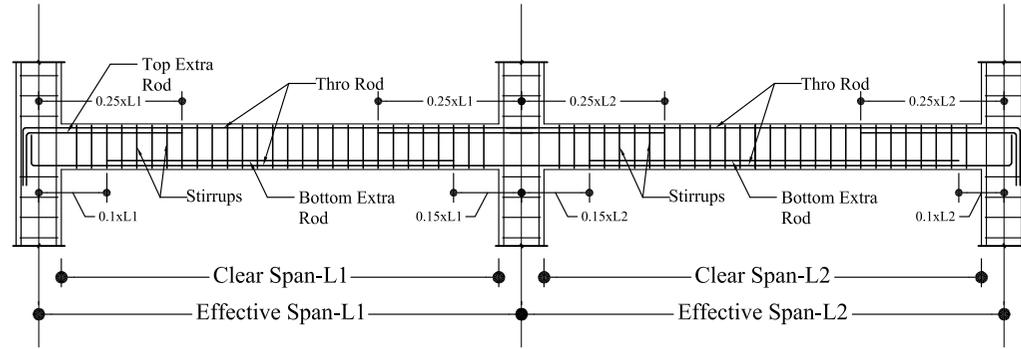
O.H.T BOTTOM BEAM LAYOUT/J

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
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REVISION BY	-
REVISION CHECKED BY	-



## O.H.T BOTTOM BEAM LAYOUT

**TYPICAL LONGITUDINAL BEAM CROSS SECTION DETAILS: -**



**A.P.CONSTRUCTIONS**  
 We are here to build your dream  
 ER.L.ARUL PRAKASH. B.E.,D.C.E.,  
 REGISTERED ENGINEER (GRADE-III)  
 VIRUDDHACHALAM MUNICIPALITY  
 2, A.M.H Complex, Kamaraj Street  
 Viruddhachalam-606 001  
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**STRUCTURAL CONSULTANT:**

**SKYSKRAP CONSULTANTS**

SAI BABA COLONY,  
 COIMBATORE-641 011

Ph no : +91 96293 29230  
 +91 97516 50886

**CLIENT:**

NANSEI TRUST

**PROJECT LOCATION:**

NANSEI BUILDING,ALAGAPURAM

**PROJECT TYPE:**

COMMERCIAL BUILDING

**GENERAL NOTES:**

- 1.ALL DIMENSIONS ARE IN FEET & INCHES.
- 2.GRADE OF CONCRETE, $f_{ck} = 20 \text{ N/mm}^2$ .
- 3.GRADE OF STEEL, $f_y = 500 \text{ N/mm}^2$ .
- 4.CLEAR COVER, FOR BEAM = 25 mm FOR SLAB = 20 mm
- 5.MINIMUM LAP LENGTH FOR BEAMS & SLABS SHALL BE  $47\phi$ .
- 6.CRANKS FOR SLABS SHOULD BE PROVIDED AT L/4 DISTANCE FROM THE SUPPORT.
- 7.READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS
- 8.IF ANY POSSIBILITIES OF CONSTRUCTION FAILURES BY LABOUR IN SITE, THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE.

**DIRECTION:**



**PROJECT NO:**

SH-14

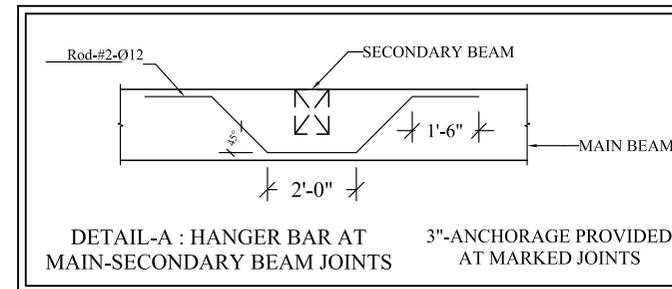
**DRAWING TITLE/NO:**

O.H.T BOTTOM BEAM DETAIL/J.1

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-

**O.H.T BOTTOM BEAM REINFORCEMENT DETAIL: -**

S.NO	BEAM NO/ SIZES	BEAM REINFORCEMENT DETAIL	STIRRUPS DETAIL
01	B1		
	0'9"x1'6"		
02	B2		
	0'9"x1'3"		



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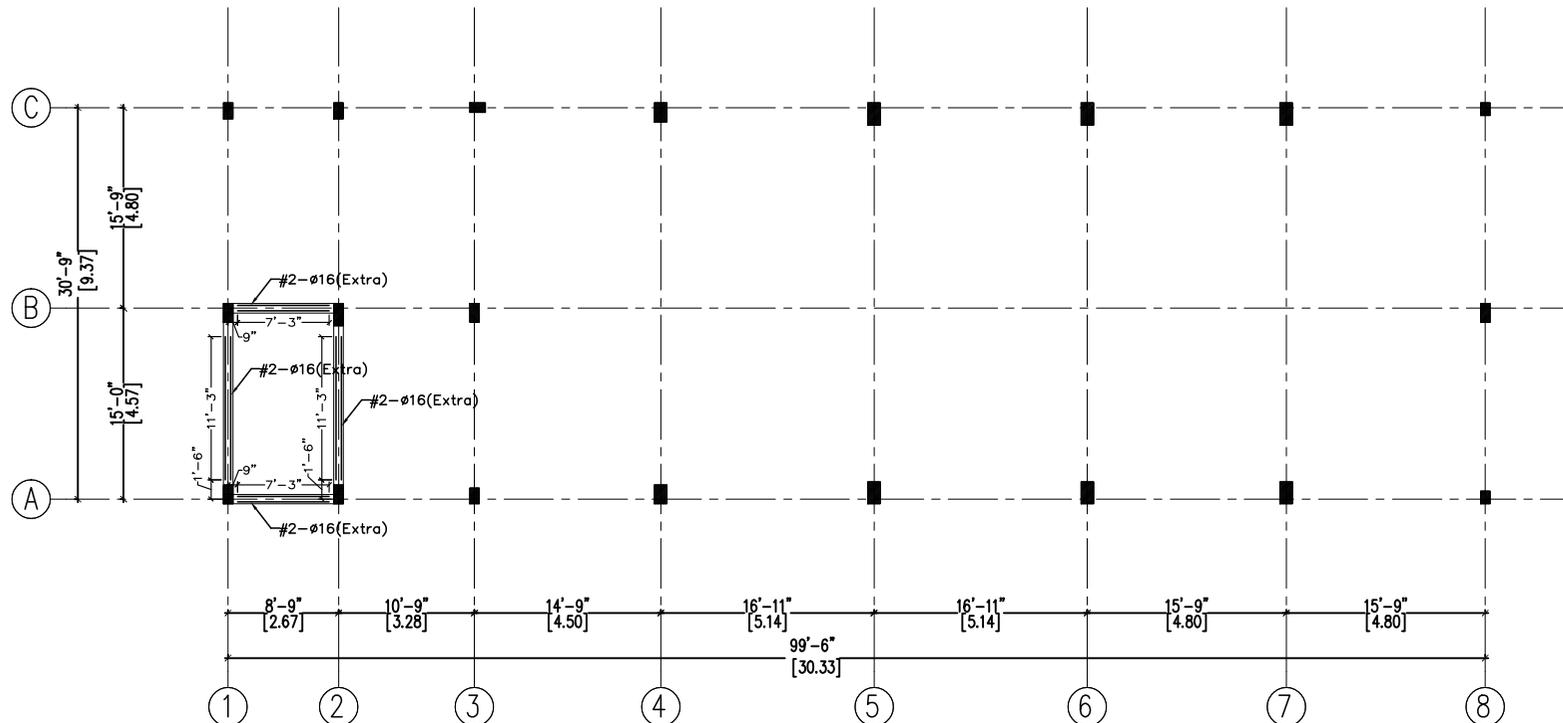
**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

O.H.T BOTTOM BEAM BOTTOM EXTRA  
 ROD LAYOUT & DETAIL/L2

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



## O.H.T BOTTOM BEAM BOTTOM EXTRA ROD LAYOUT & DETAIL

**A.P.CONSTRUCTIONS**

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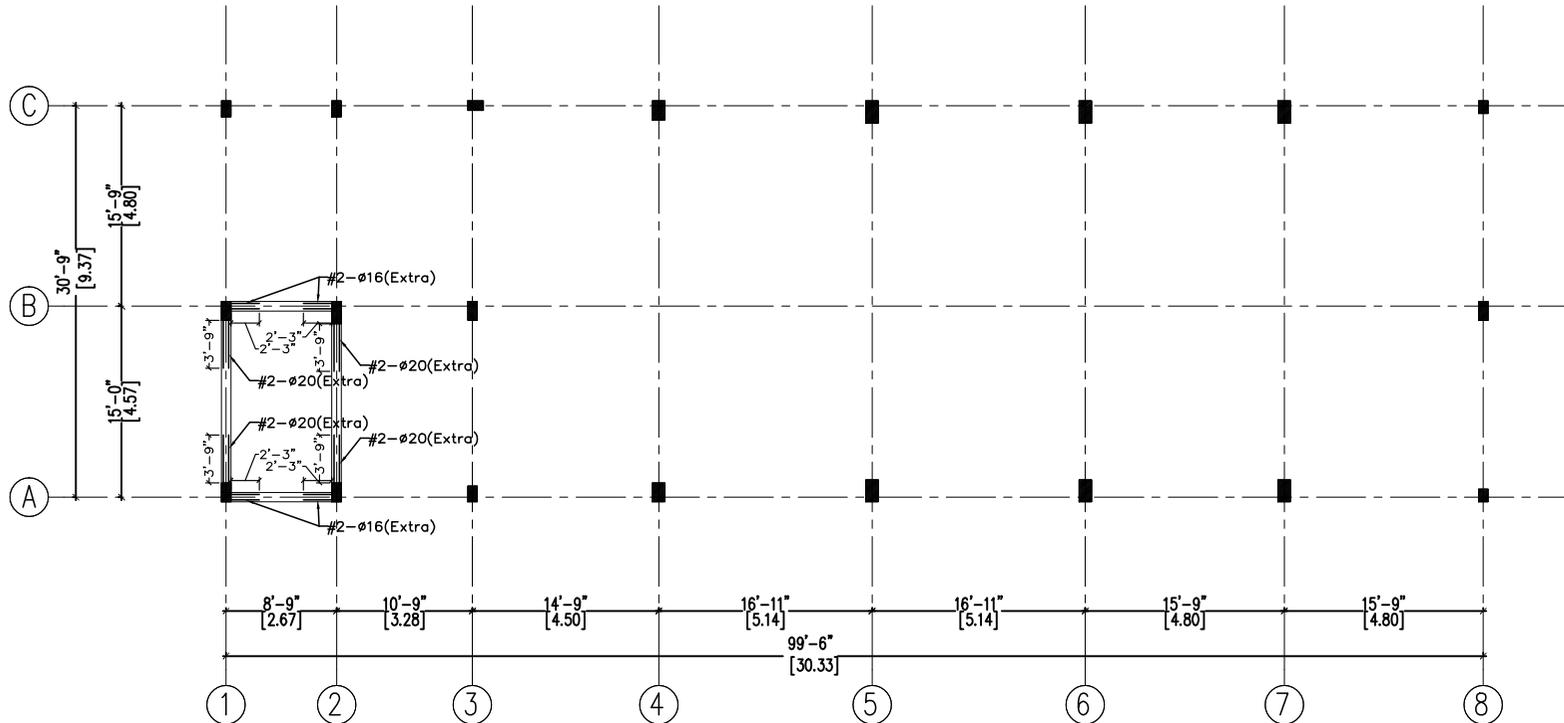
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**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**O.H.T BOTTOM BEAM TOP EXTRA  
ROD LAYOUT & DETAIL/L3

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



## O.H.T BOTTOM BEAM TOP EXTRA ROD LAYOUT & DETAIL

**A.P.CONSTRUCTIONS**

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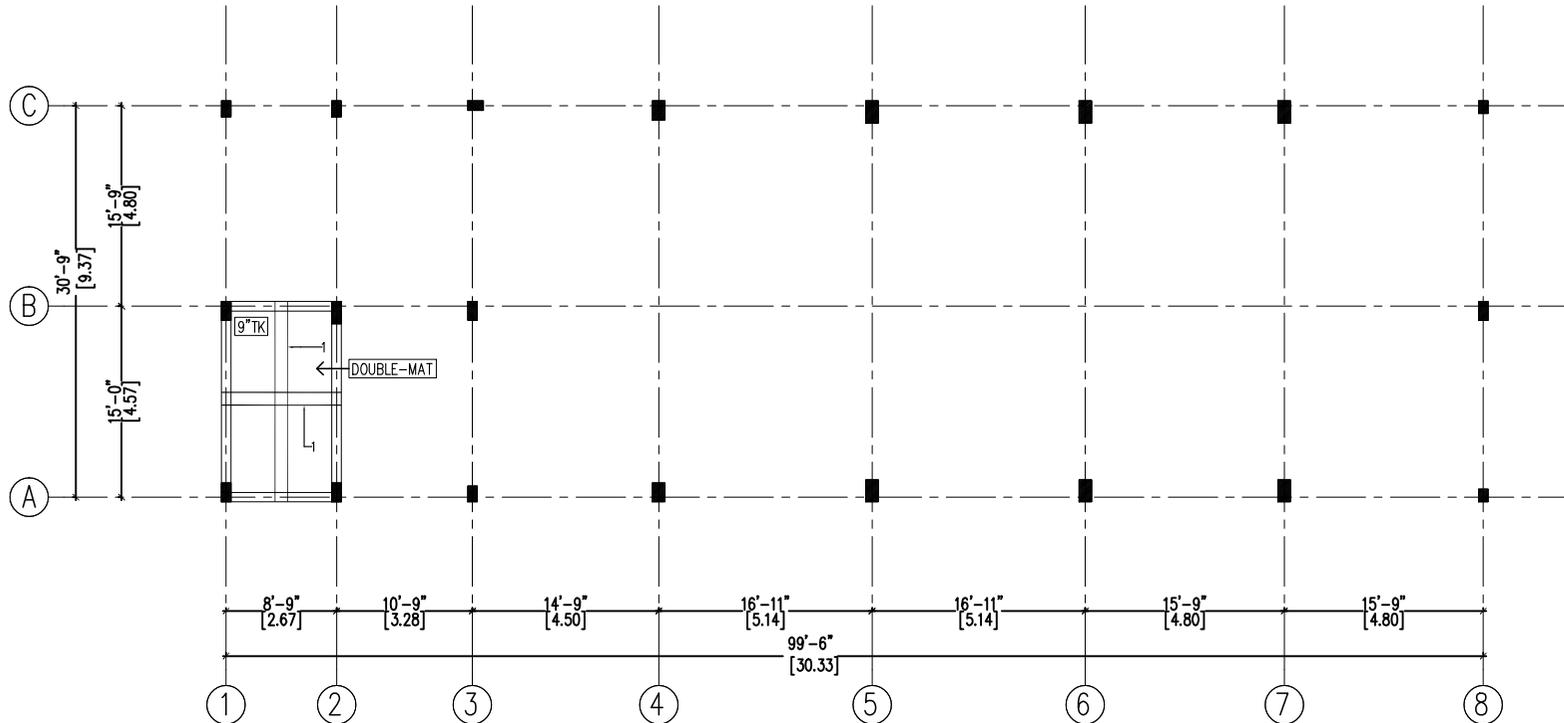
**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

O.H.T BOTTOM SLAB LAYOUT & DETAIL/14

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



## O.H.T BOTTOM SLAB LAYOUT & DETAIL

### SLAB REINFORCEMENT DETAIL

1	$\phi 12 @ 5'' - C/C$
---	-----------------------

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**DIRECTION:**



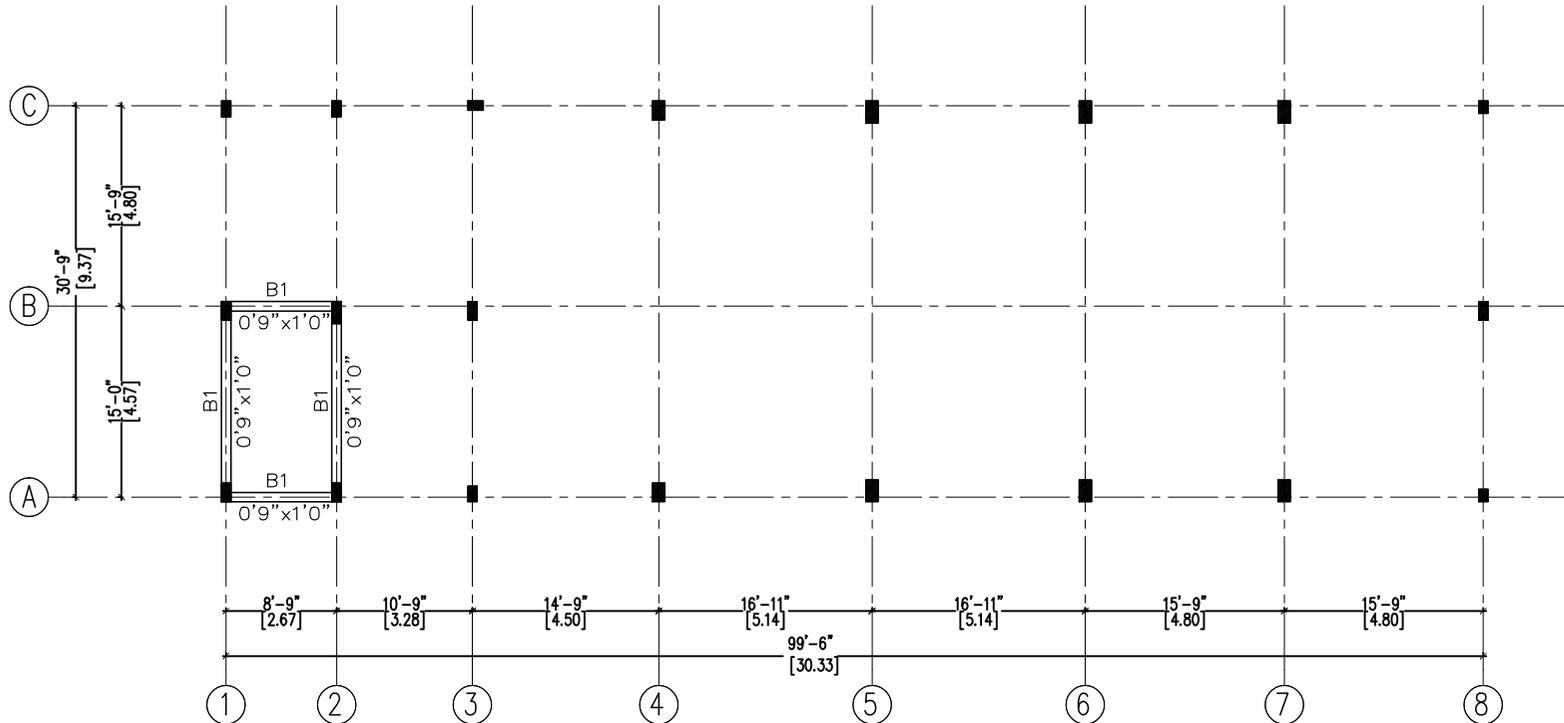
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

O.H.T TOP BEAM LAYOUT/K

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



**O.H.T TOP BEAM REINFORCEMENT DETAIL:-**

S.NO	BEAM NO./SIZES	BEAM REINFORCEMENT DETAIL	STIRRUPS DETAIL
01	B1 0'9"x1'0"		

**O.H.T TOP BEAM LAYOUT**

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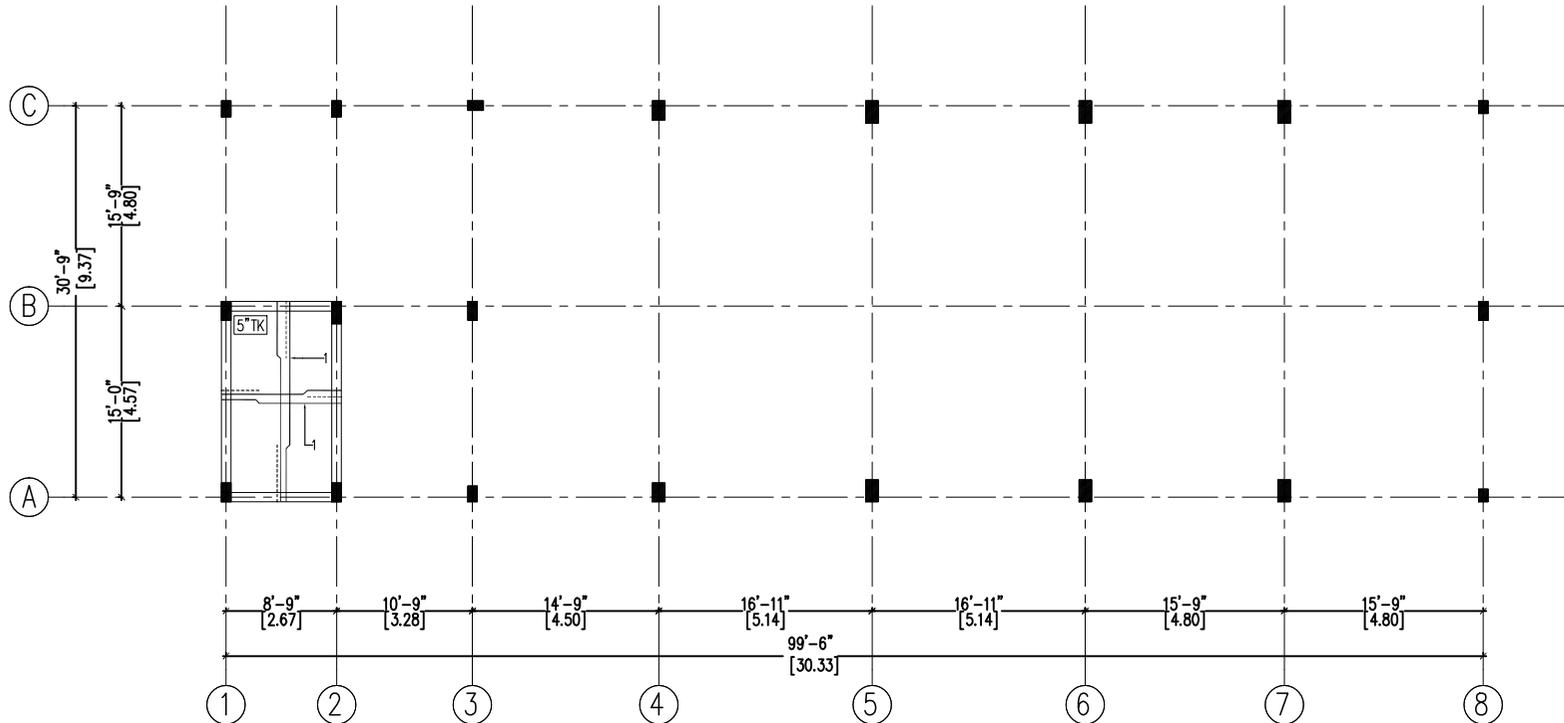
**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

O.H.T TOP SLAB LAYOUT/K.1

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
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REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-

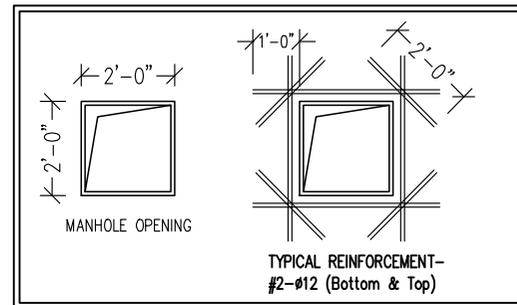
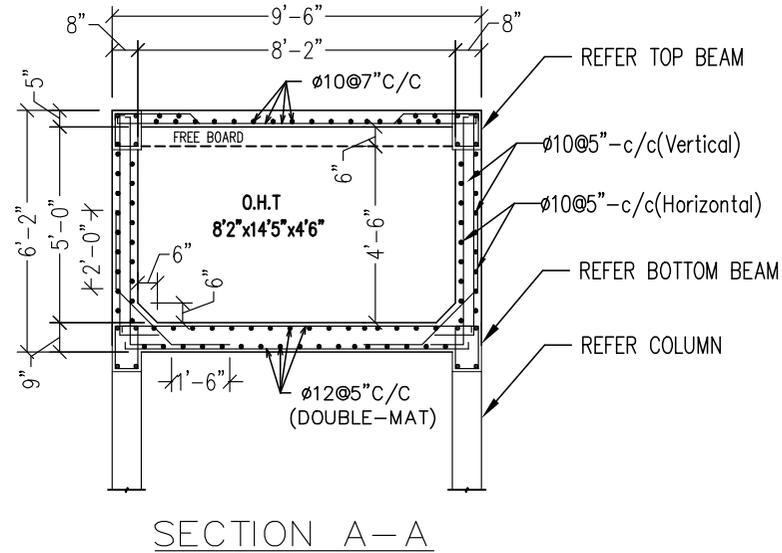
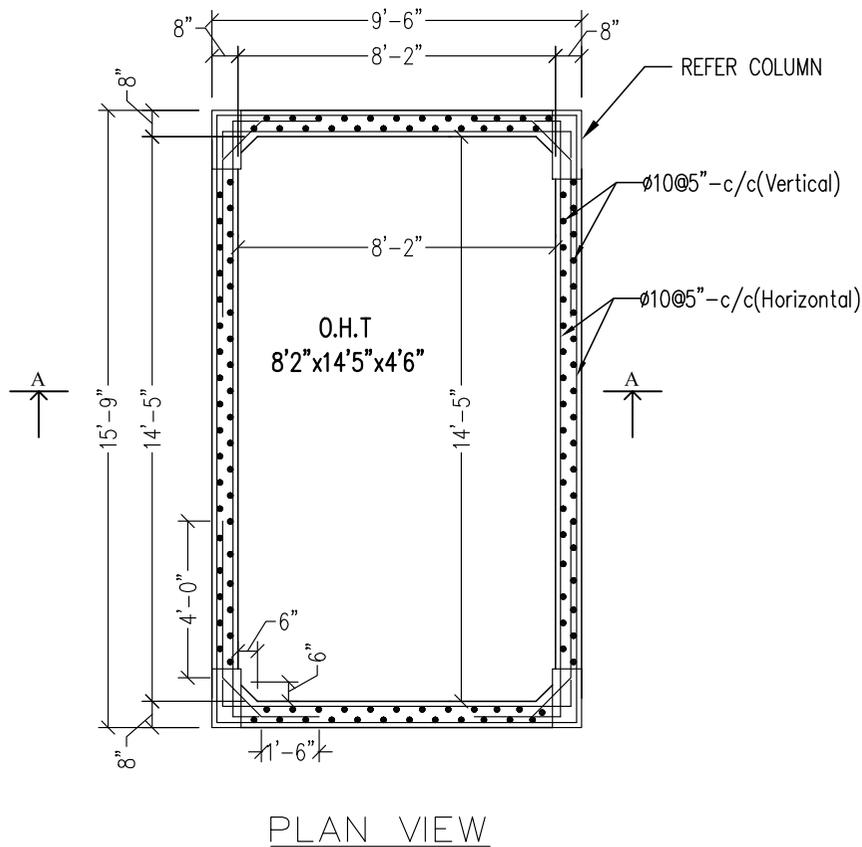


## O.H.T TOP SLAB LAYOUT

### SLAB REINFORCEMENT DETAIL

1	$\phi 10 @ 7'' - C/C$
---	-----------------------

# OVER HEAD TANK SECTION DETAIL: -



TANK CAPACITY = (8'2" x 14'5" x 4'6") X 28.32  
= 14744.2 LITRES

**A.P.CONSTRUCTIONS**  
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<b>STRUCTURAL CONSULTANT:</b>	
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Ph no : +91 96293 29230 +91 97516 50886	
<b>CLIENT:</b>	
NANSEI TRUST	
<b>PROJECT LOCATION:</b>	
NANSEI BUILDING,ALAGAPURAM	
<b>PROJECT TYPE:</b>	
COMMERCIAL BUILDING	
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<b>DIRECTION:</b>	
<b>PROJECT NO:</b>	
SH-14	
<b>DRAWING TITLE/NO:</b>	
O.H.T SECTION DETAIL/L	
DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	00
REVISION DT.	00.00.0000
REVISION BY	-
REVISION CHECKED BY	-

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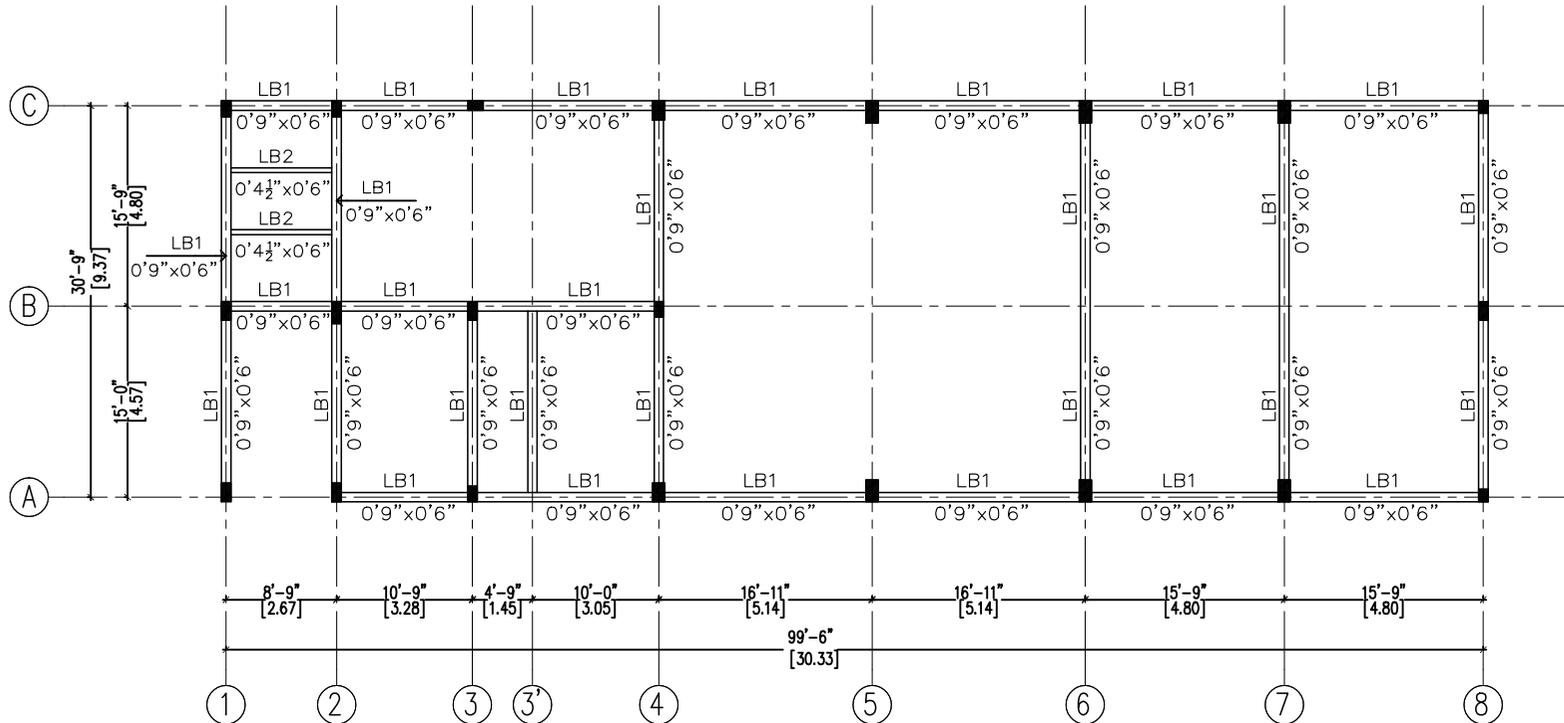
**PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

GROUND FLOOR LINTEL BEAM LAYOUT/D

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	07.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



**GROUND FLOOR LINTEL BEAM LAYOUT**

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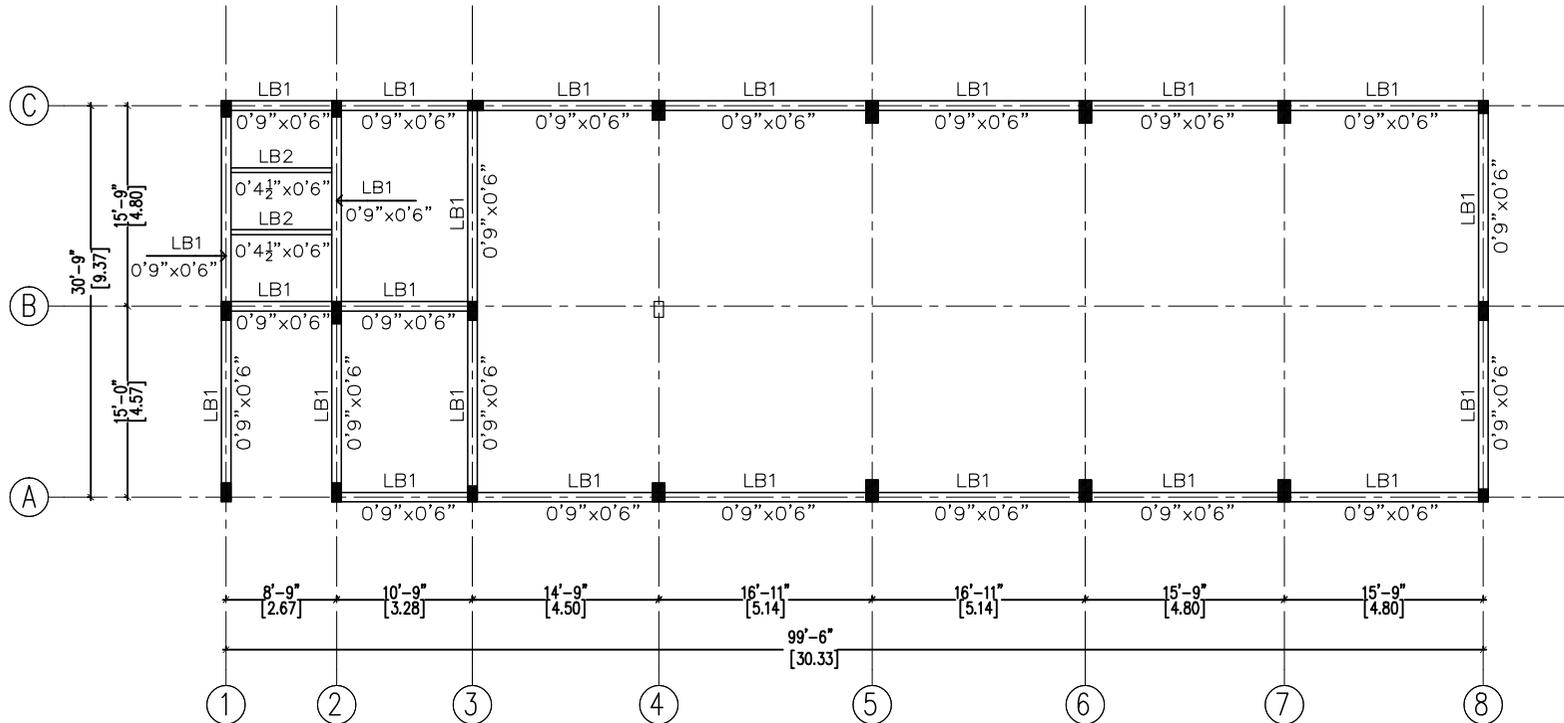
**DIRECTION:****PROJECT NO.:**

SH-14

**DRAWING TITLE/NO.:**

FIRST FLOOR LINTEL BEAM LAYOUT/D.2

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	01
REVISION DT.	10.01.2021
REVISION BY	-
REVISION CHECKED BY	-



## FIRST FLOOR LINTEL BEAM LAYOUT

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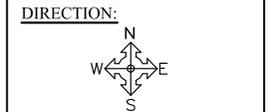
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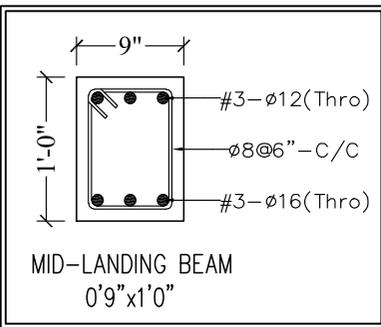
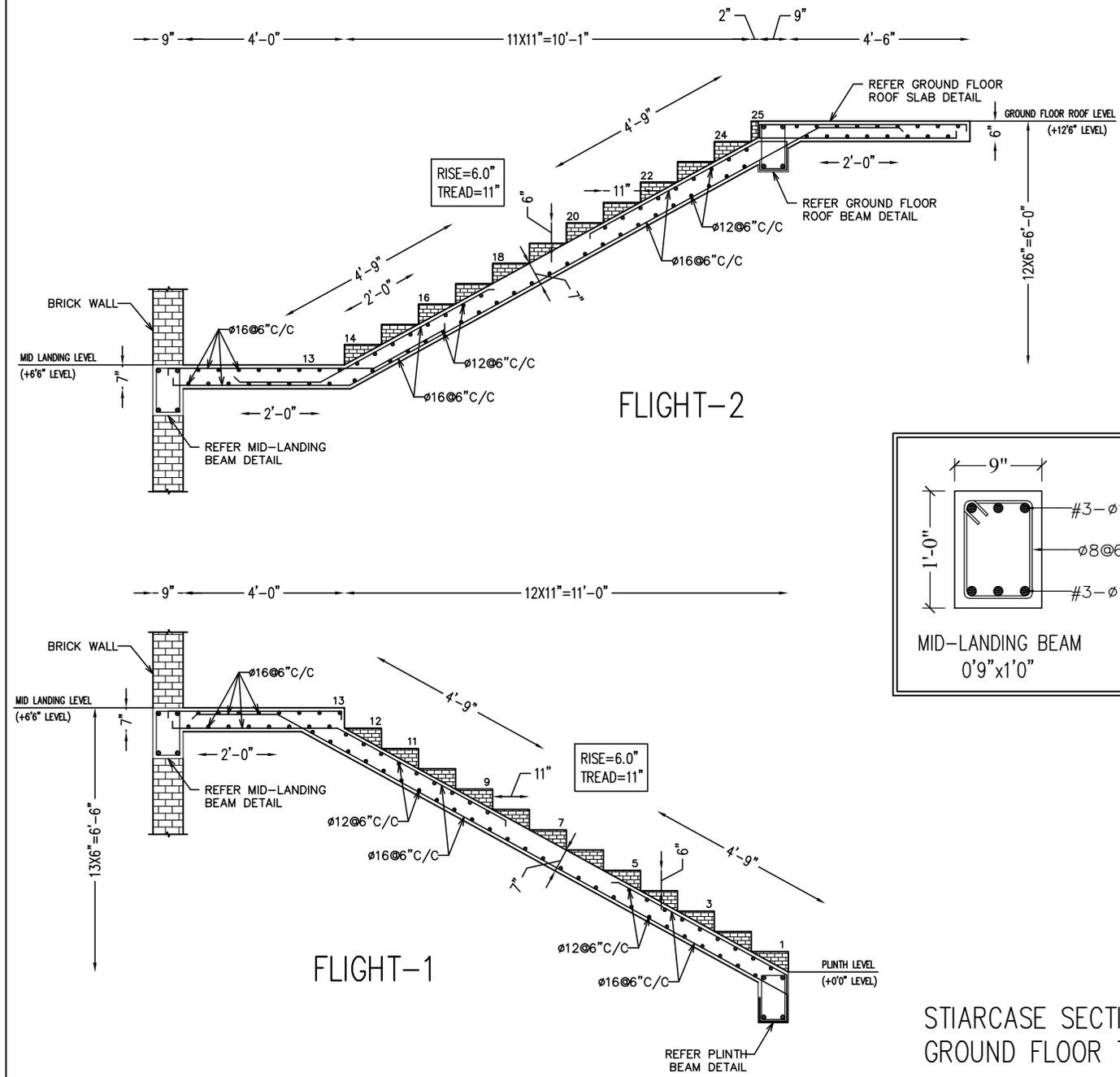
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**PROJECT NO:**  
 SH-14

**DRAWING TITLE/NO:**  
 STAIRCASE SECTION DETAIL/E

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	07.01.2021
REVISION NO.	00
REVISION DT.	00.00.0000
REVISION BY	-
REVISION CHECKED BY	-



STAIRCASE SECTION DETAIL-  
 GROUND FLOOR TO FIRST FLOOR

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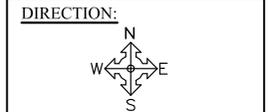
**STRUCTURAL CONSULTANT:**

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**CLIENT:**  
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 NANSEI BUILDING,ALAGAPURAM  
**PROJECT TYPE:**  
 COMMERCIAL BUILDING

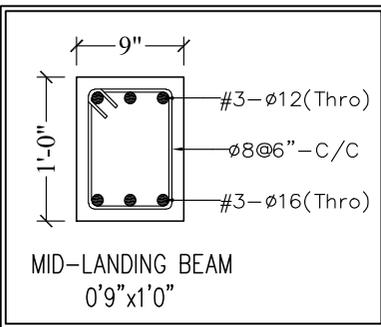
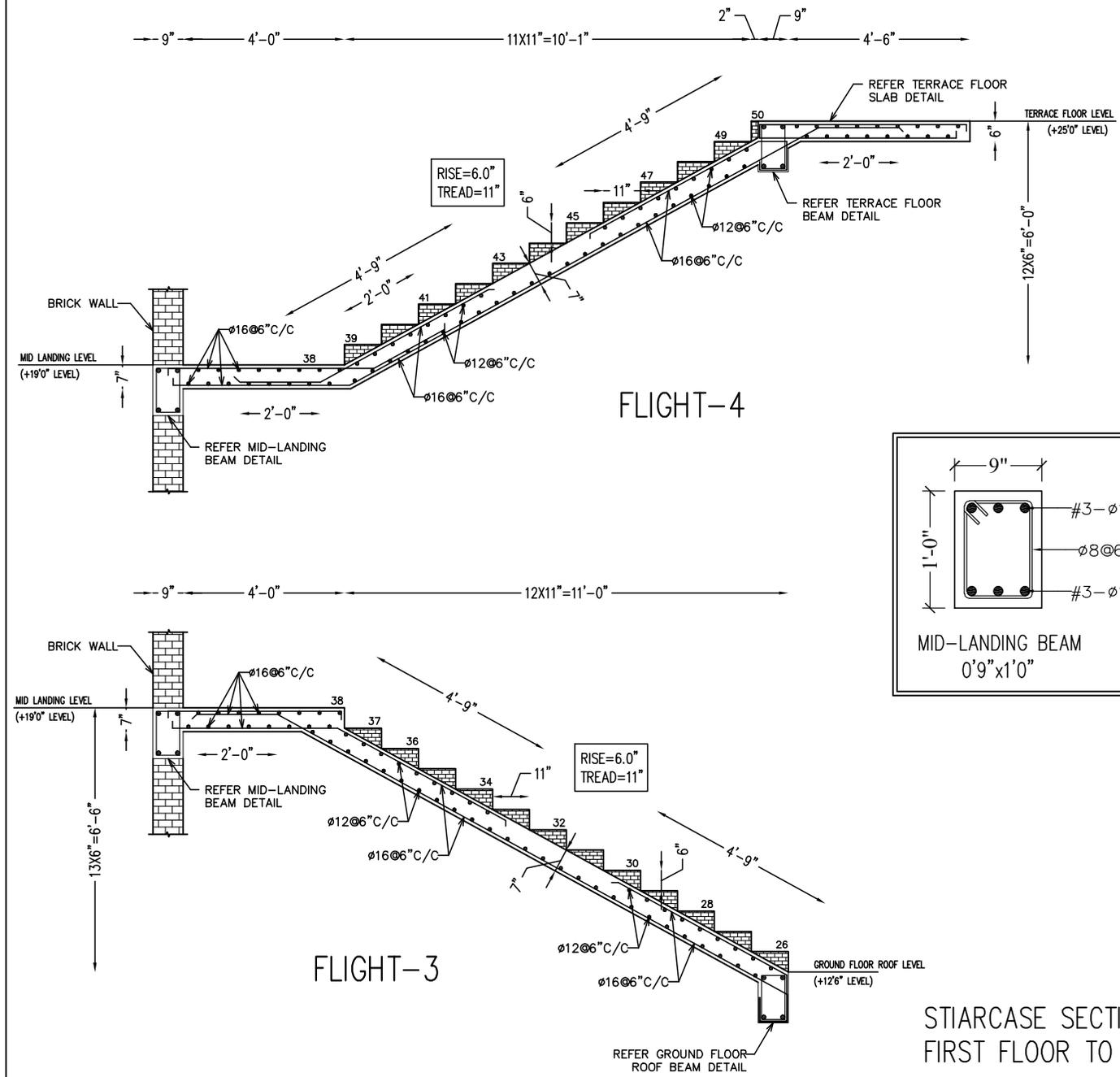
- GENERAL NOTES:**
- 1.ALL DIMENSIONS ARE IN FEET & INCHES.
  - 2.GRADE OF CONCRETE, f<sub>ck</sub> = 20 N/mm<sup>2</sup>.
  - 3.GRADE OF STEEL, f<sub>y</sub> = 500 N/mm<sup>2</sup>.
  - 4.CLEAR COVER, FOR BEAM = 25 mm FOR SLAB = 20 mm
  - 5.MINIMUM LAP LENGTH FOR BEAMS & SLABS SHALL BE 47φ .
  - 6.CRANKS FOR SLABS SHOULD BE PROVIDED AT L/4 DISTANCE FROM THE SUPPORT.
  - 7.READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS
  - 8.IF ANY POSSIBILITIES OF CONSTRUCTION FAILURES BY LABOUR IN SITE, THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE.



**PROJECT NO.:**  
 SH-14

**DRAWING TITLE/NO.:**  
 STAIRCASE SECTION DETAIL/E.1

DESIGNED BY	RJ
DRAWN BY	RJ
CHECKED BY	PD
SCALE	AS SHOWN
DATE	08.01.2021
REVISION NO.	00
REVISION DT.	00.00.0000
REVISION BY	-
REVISION CHECKED BY	-



STAIRCASE SECTION DETAIL-  
 FIRST FLOOR TO SECOND FLOOR