MvDad.com

Sustainable Stable Structural Solutions

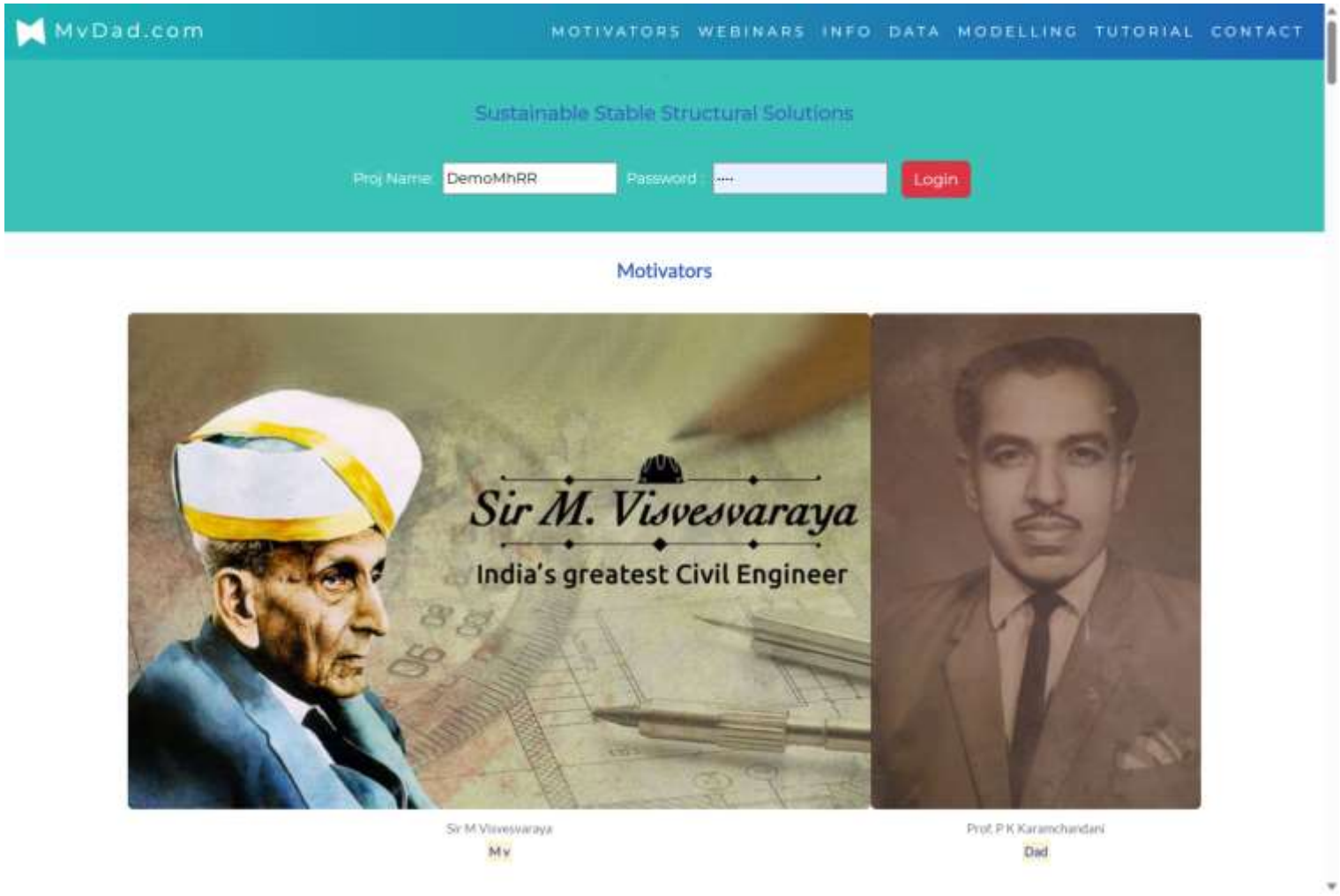
Welcome

MvDad.com

Sustainable Stable Structural Solutions

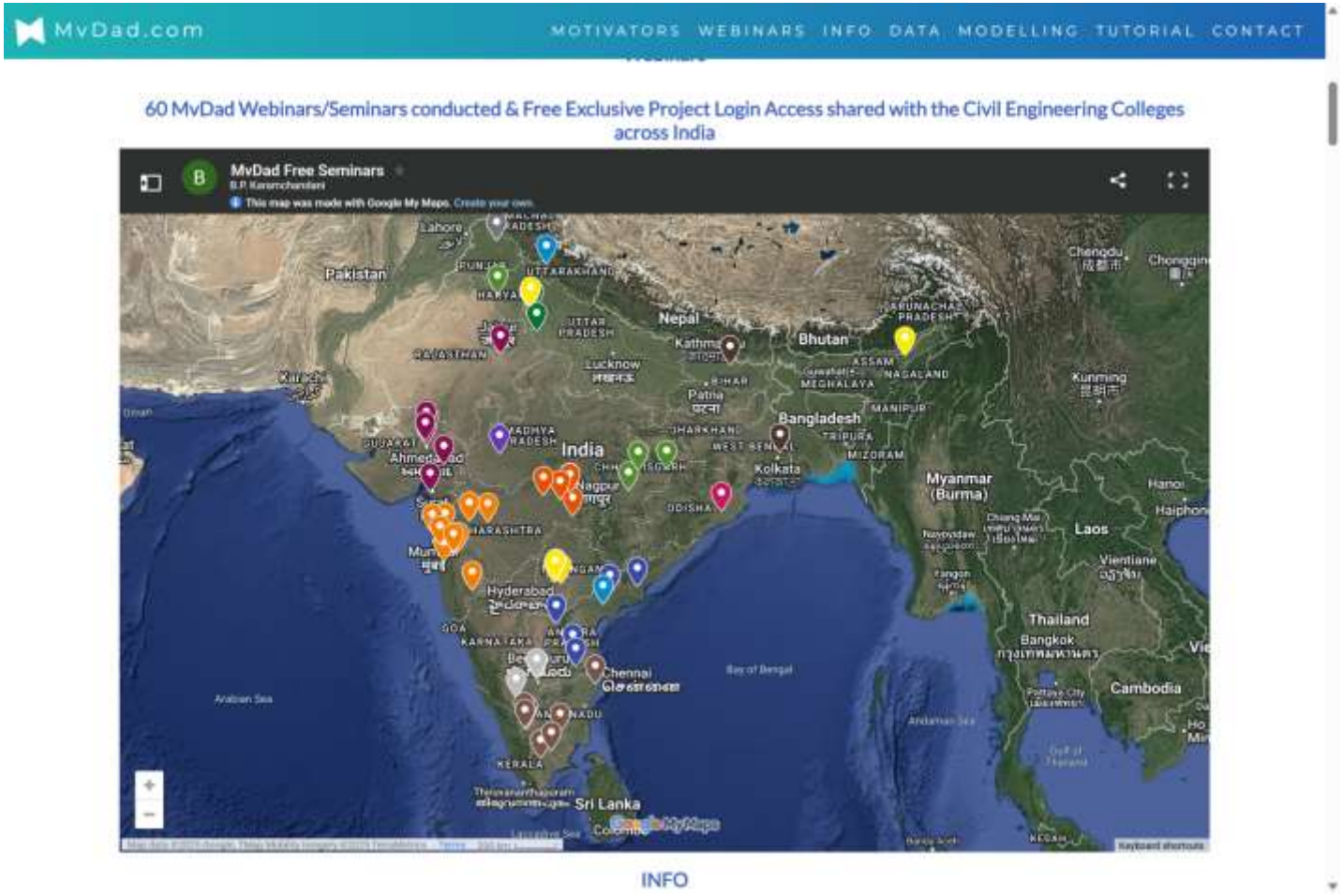
Cloud Based RC Building Earthquake Resistant Structural Design Software.

Motivators


MvDad.com
MOTIVATORS WEBINARS INFO DATA MODELLING TUTORIAL CONTACT
Sustainable Stable Structural Solutions
Proj Name: DemoMhRR
Password: ····
Login
Motivators
Sir M. Visvesvaraya
India's greatest Civil Engineer
Sir M Visvesvaraya
My
Prof. P K Karamchandani
Dad

MvDad.com

65+ Seminars / Webinars



Why MvDad.com ?

Why MvDad.com ?

Features and Benefits

Features 5 in 1

Analysis

Features 5 in 1

Analysis

Design

MvDad.com

Features 5 in 1

Analysis

Design

Drawings

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Features 5 in 1

Analysis

Design

Drawings

Caculations

MvDad.com

Features 5 in 1

Analysis

Design

Drawings

Caculations

Bill of Quantities

Benefits

Benefits

Cloud Based

Benefits

Cloud Based

Mobile Friendly

Benefits

Cloud Based

Mobile Friendly

Multi Access

MvDad.com

Benefits

Cloud Based

Mobile Friendly

Multi Access

Work from Anywhere

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Benefits

Cloud Based

Mobile Friendly

Multi Access

Work from Anywhere

Require Nothing

MvDad.com

Benefits

Cloud Based

Mobile Friendly

Multi Access

Work from Anywhere

Require Nothing

No Software

MvDad.com

Benefits

Cloud Based

Mobile Friendly

Multi Access

Work from Anywhere

Require Nothing

No Software

No Hardware

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Benefits

Cloud Based

Mobile Friendly

Multi Access

Work from Anywhere

Require Nothing

No Software

No Hardware

No Training

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Benefits

Cloud Based

Mobile Friendly

Multi Access

Work from Anywhere

Require Nothing

No Software

No Hardware

No Training

Cost Minimum

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Benefits

Cloud Based

Mobile Friendly

Multi Access

Work from Anywhere

Require Nothing

No Software

No Hardware

No Training

Cost Minimum

Availabilty 24/7

How to Operate MvDad.com ?

Create New Project

Create New Project

Select 6 Data from the DropDown Box

Create New Project

Select 6 Data from the DropDown Box

1. Building Type

Create New Project

Select 6 Data from the DropDown Box

1. Building Type
2. Number of Floors

Create New Project

Select 6 Data from the DropDown Box

1. Building Type
2. Number of Floors
3. Floor Heights

Create New Project

Select 6 Data from the DropDown Box

1. Building Type
2. Number of Floors
3. Floor Heights
4. Project Location

Create New Project

Select 6 Data from the DropDown Box

1. Building Type
2. Number of Floors
3. Floor Heights
4. Project Location
5. Foundation Depth

Create New Project

Select 6 Data from the DropDown Box

1. Building Type
2. Number of Floors
3. Floor Heights
4. Project Location
5. Foundation Depth
6. Soil Type

MyDad.com

Create New Project

Select 6 Data from the DropDown Box

1. Building Type
2. Number of Floors
3. Floor Heights
4. Project Location
5. Foundation Depth
6. Soil Type

1 Data to be Entered

Create New Project

Select 6 Data from the DropDown Box

1. Building Type
2. Number of Floors
3. Floor Heights
4. Project Location
5. Foundation Depth
6. Soil Type

1 Data to be Entered

Bearing Capacity of Soil

New Project Data Sheet

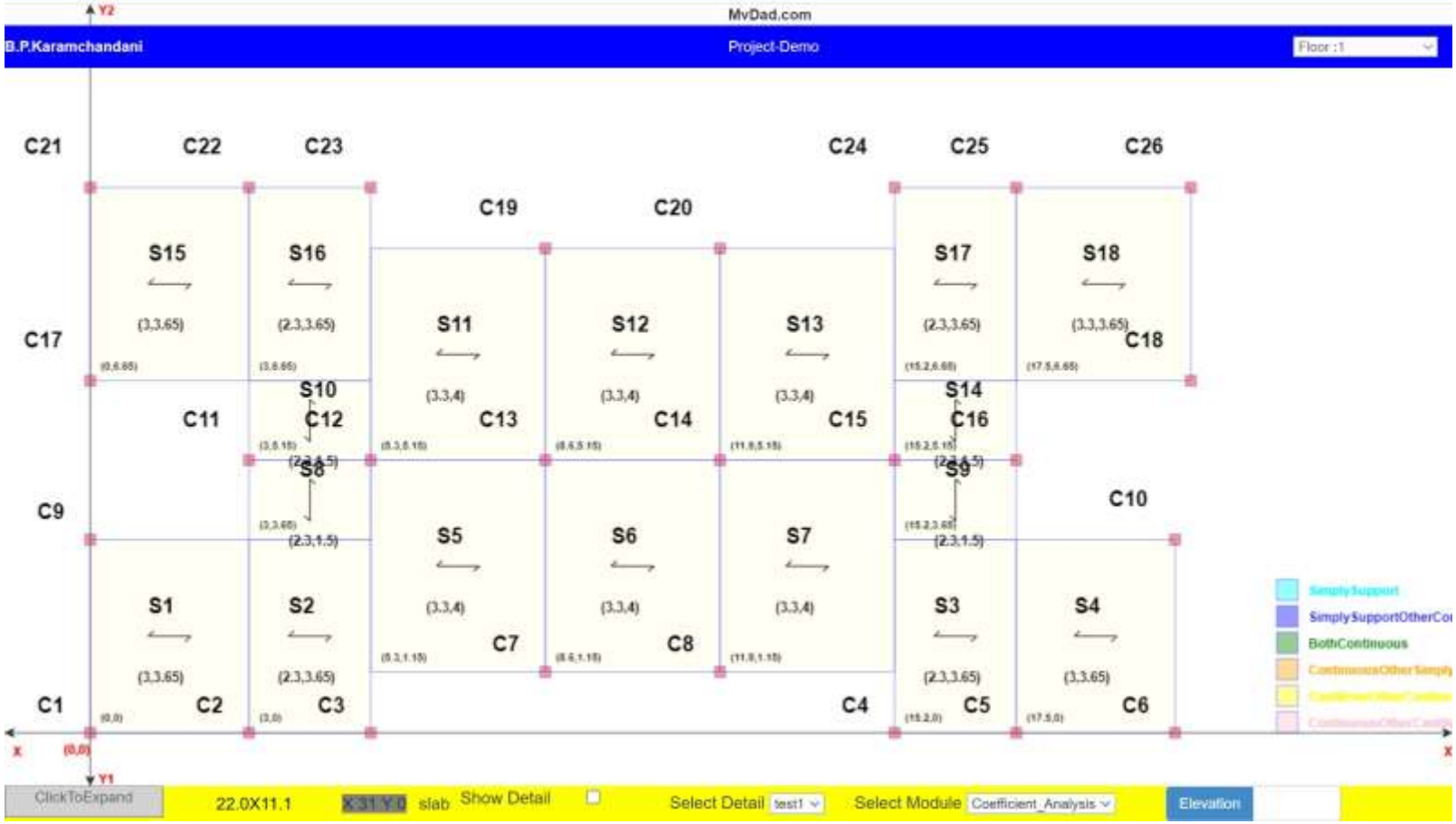
New Project Data marked in Yellow Colour

	Data Required	Select or Enter Data	Data	Remarks
1	**Building Type**	Residential Commercial, School, Hospital, Hotel	**Commercial**	Select any One
2	**Number of Floors**		**3**	1 to 13 only
3	**Floor Height**			
3a	**GF to 1**		**3.5**	M
3b	**Typical Floor Height**		**3**	M
4	**Project in City**		**Rasayani**	
5	**Foundation Depth below Ground Level**		**0.75**	M
6	**Soil Type**	Hard, Rock, Medium Soft, Soft	**Hard**	Select any One
7	**Bearing Capacity of Soil**		**300**	kN/M²
8	**Centre Line Plan with Column Location**			Attachment

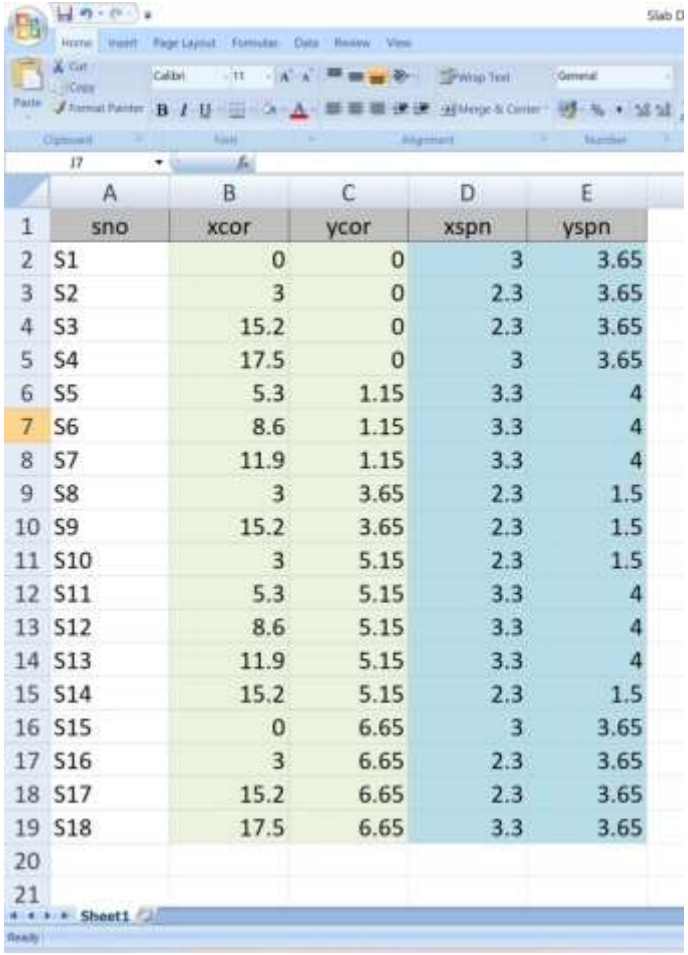
Create New Project

Upload the Center Line Plan along with Column Locations

Center Line Plan with Column Locations



Or Upload Slab Data in Excel Format



	A	B	C	D	E
1	sno	xcor	ycor	xspn	yspn
2	S1	0	0	3	3.65
3	S2	3	0	2.3	3.65
4	S3	15.2	0	2.3	3.65
5	S4	17.5	0	3	3.65
6	S5	5.3	1.15	3.3	4
7	S6	8.6	1.15	3.3	4
8	S7	11.9	1.15	3.3	4
9	S8	3	3.65	2.3	1.5
10	S9	15.2	3.65	2.3	1.5
11	S10	3	5.15	2.3	1.5
12	S11	5.3	5.15	3.3	4
13	S12	8.6	5.15	3.3	4
14	S13	11.9	5.15	3.3	4
15	S14	15.2	5.15	2.3	1.5
16	S15	0	6.65	3	3.65
17	S16	3	6.65	2.3	3.65
18	S17	15.2	6.65	2.3	3.65
19	S18	17.5	6.65	3.3	3.65
20					
21					

New Project Data as Entered

Project Data		Project Name : DemoMhRR	
Building Type	Measuring Unit	No_of_Stories	Floor to Floor Height
Commercial	Mtr	3	

Floor	F2FH	Label	Coeff
0	1.35	Below_Plinth	1
1	3.5	0-1	0.7
2	3	1-2	0.8
3	3	2-3	0.9
4	3	3-Terrace	1

Slab Loads

Loads (kN/M^2)	Terrace	Floor	WC	Loft	Slab_A	Balcony	Dining	Dining	Passage	Garage
Floor_Finish:SIDL	2.5	2	5	1						
Live Load : SILL	1.5	4	2	1						

Wall Load On Beam

Wall	External Wall	Internal Wall	Pardi	Pardi2	Parapet
Width(M)	0.23	0.15	0.1	0.1	0.23
Height(M)	F2FH	F2FH	F2FH	0.9	0.9

Earthquake

State	District	City	Siesmic Zone	Siesmic Factor
Maharashtra	Raigarh	Rasayani	IV	0.24

Foundation

Plinth Height (M._Above GL)	Foundation Depth (M._Below_GL)	Soil Type	Bearing Capacity of Soil (kN/M^2)
0.6	0.75	Hard	300

Project Constants

Material	Grade	Density	Design Basis:
Concrete	M20	25 kN/M^3	Limit State Method based on IS:456-2000
Main Steel	Fe415	Dis Steel Fe250	IS Code: 1893 - 2002 / 2016
Bricks Masonry		20 kN/M^3	Foundation As Per Working Stress Method

Modelling

Modelling

Data Requirement

Element	Dimensions Required	
	Other Softwares	MvDad.com
Slabs	L x W x D	L x W
Beams	W x D	Auto
Columns	w x D	Auto
Earthquake	Various	Auto

Modelling

Modelling Requirement

Particulars	Requirement	
	Other Softwares	MvDad.com
Professional Experinced Staff	Yes	No
Time Consuming	Yes	Auto
Tedious	Yes	Auto
Repeatation if Model Fails	Yes	Auto

Modelling

Modelling Procedure for Other Softwares

Particulars	Requirement		
1. Create Project	Required Professional Experinced Structural Engineer		
2. Create Grid	Required Professional Experinced Draftsman		
3. Create Slabs	Assign Size	Width	Depth
		Length	
	Assign Loads	DL	LL
	Assign End Conditions	SS	SC
		BC	Cantilever
	Assign Way	1 Way	2 Way
		Corners Free	Corners Restrained
	Assign Grade	Concrete	Steel

Modelling

4. Create Beams	Assign Size	Width	Depth
	Assign Loads (Walls)	Internal	External
		Pardi	Parapet
	Assign End Conditions	SS	SC
		BC	Cantilever
	Assign Type	Singly	Doubly
		R Beam	L or T Flanged Beam
	Assign Grade	Concrete	Steel

Modelling

5. Create Columns	Assign Size	Width	Depth
		Column Size varies Floorwise	
	Assign Load Type	Axial	Uni-Axial
		Bi-Axial	
	Assign End Conditions	Pin Joint	Fixed
	Assign Type	Short Column	Slender Column
	Assign Grade	Concrete	Steel
6. Copy	Data Floorwise		

Modelling

7. Earthquake	Assign Response Factor	
	Assign Importance Factor	
	Assign Sa/g	
	Assign Seismic Zone	II to V
	Assign Seismic Factor	0.10 to 0.46

Modelling

8. Run Analysis	Final Analysis Results	
	If Fails	Repeatation form Point 3 to Point 7 till you succed
		Or
	25 Load Combinations	To Satisfy Stability
		To Check the Sway of the Particular Frame
		To make it Non Sway
		To Provide Additional Steel
	Satisfied	Lucky if in 1st attempt you get the satisfactory results

Modelling

9. Observation	Elements are Oversized to avoid the Repetative Modelling Process
Modelling	Full Process requires Time, Professional Experinced Structural Engineer, Concentration
Solution	MvDad.com Auto Modelling

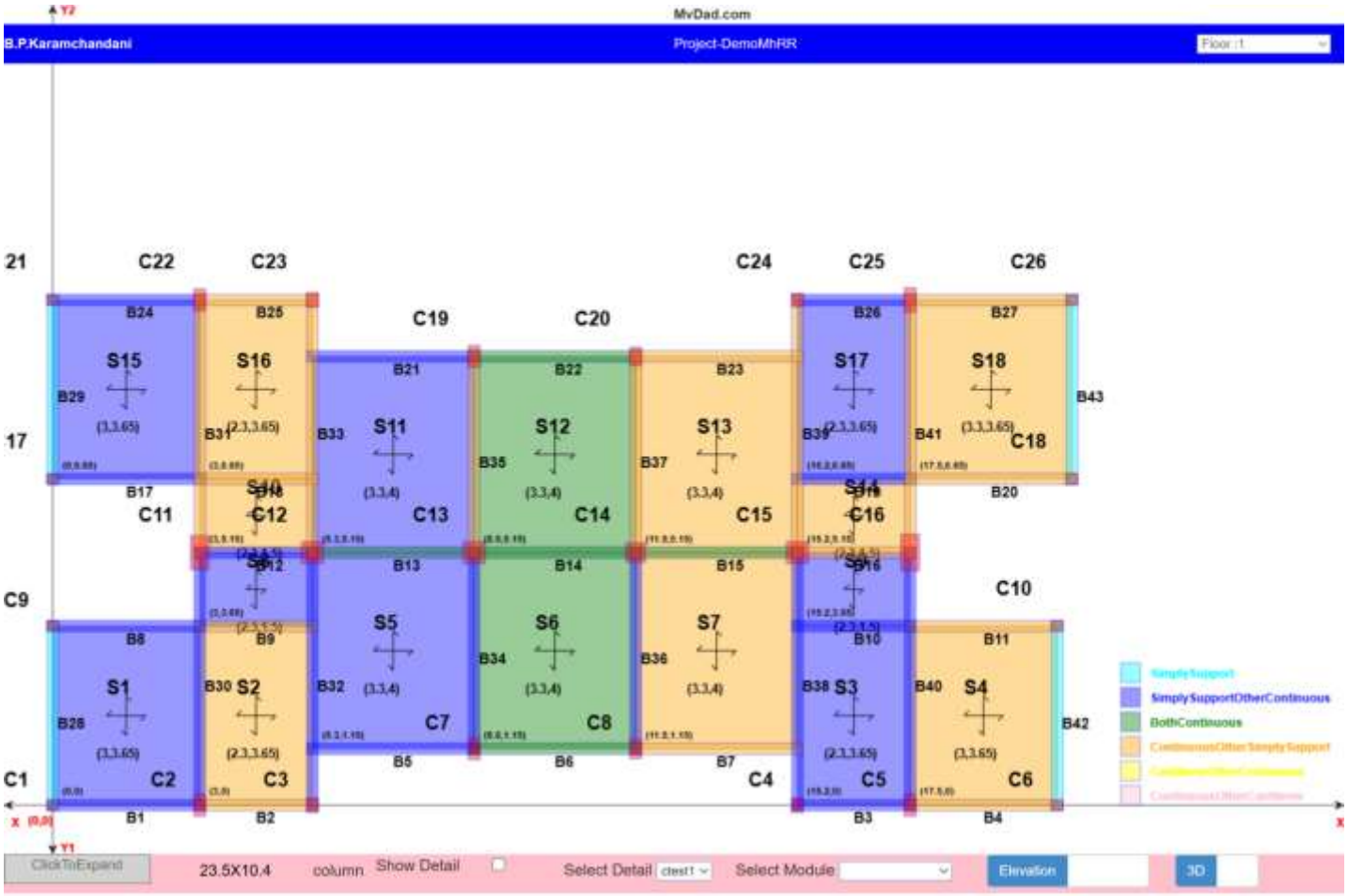
Modelling

Auto Modelling

Modelling

Optimise Steel Design

Plan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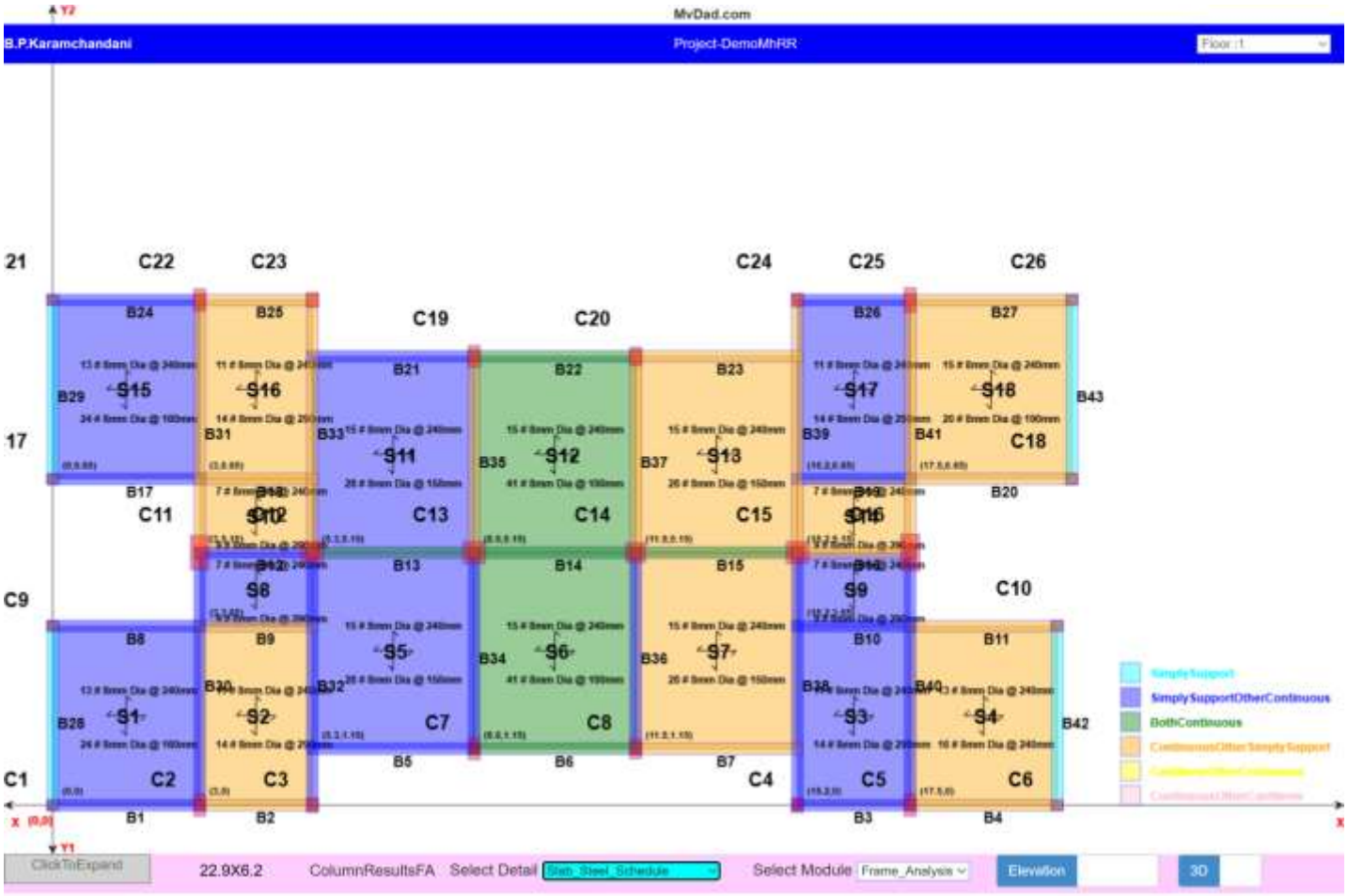
S.P.Karamchandani
Project-DemoMhRR
Floor : 1
C22
C23
C24
C25
C26
C19
C20
C11
C12
C13
C14
C15
C16
C10
C1
C2
C3
C4
C5
C6
C7
C8
C9
C18
S15
S16
S11
S12
S13
S17
S18
S5
S6
S7
S1
S2
S3
S4
B24
B25
B21
B22
B23
B26
B27
B43
B29
B31
B33
B35
B37
B39
B41
B17
B20
B13
B14
B15
B8
B9
B10
B11
B30
B32
B34
B36
B38
B40
B42
B28
B5
B6
B7
B1
B2
B3
B4
21
17
C9
C1
ClickToExpand
23.5X10.4
column
Show Detail
Select Detail
Select Module
Elevation
3D
SimplySupport
SimplySupportOtherContinuous
BothContinuous

Slab Steel Design



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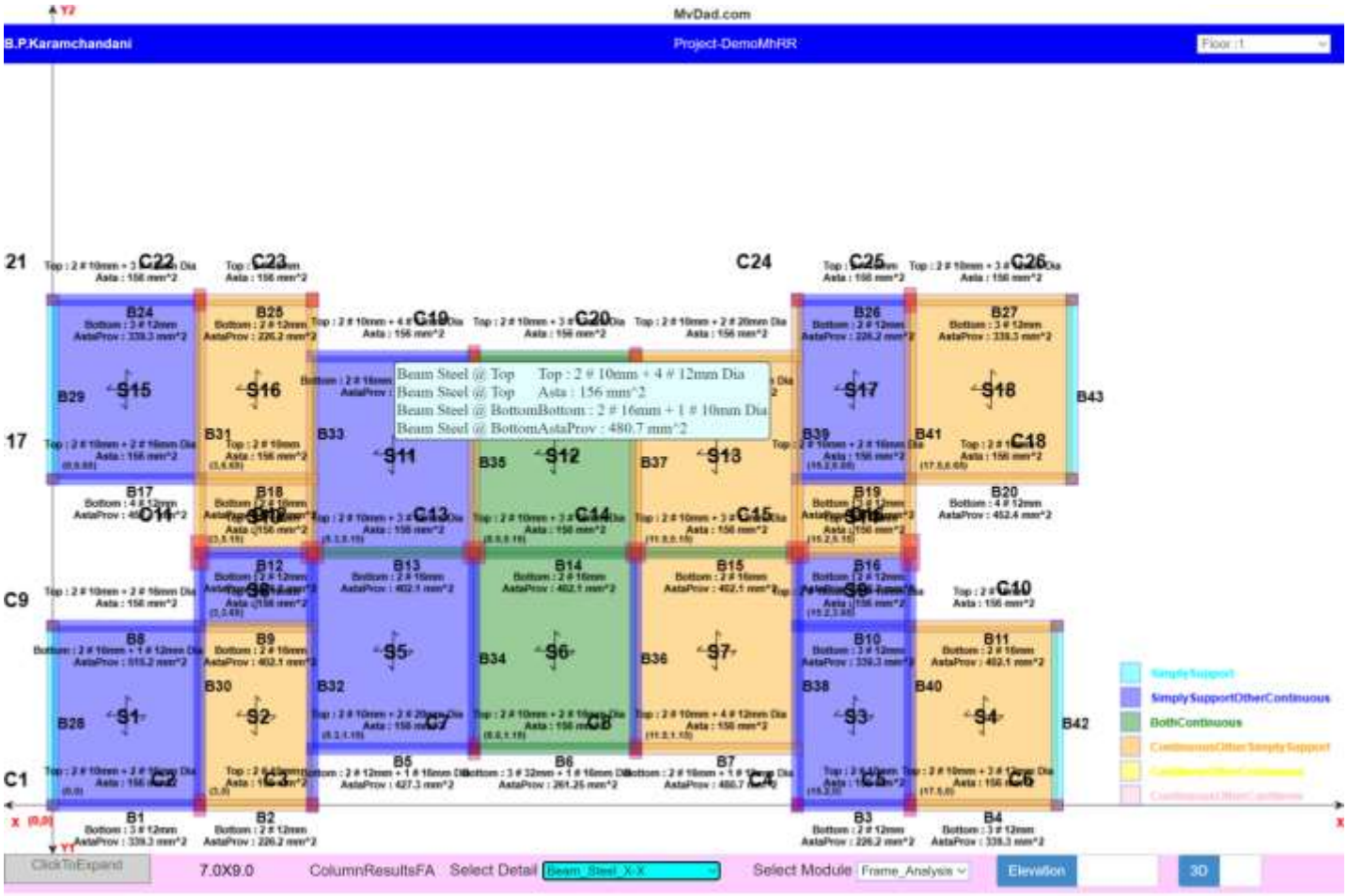
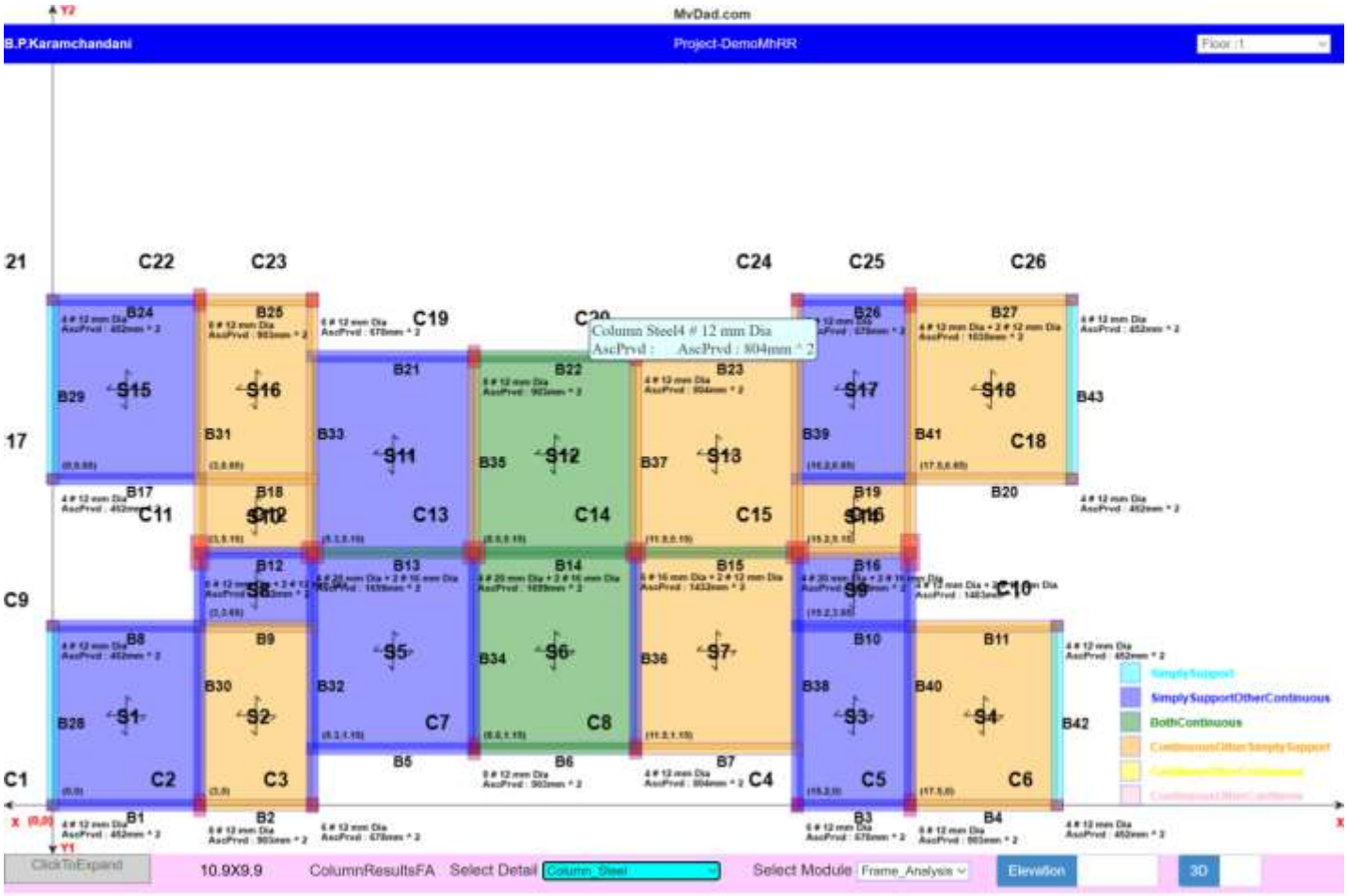
Beam Steel Design

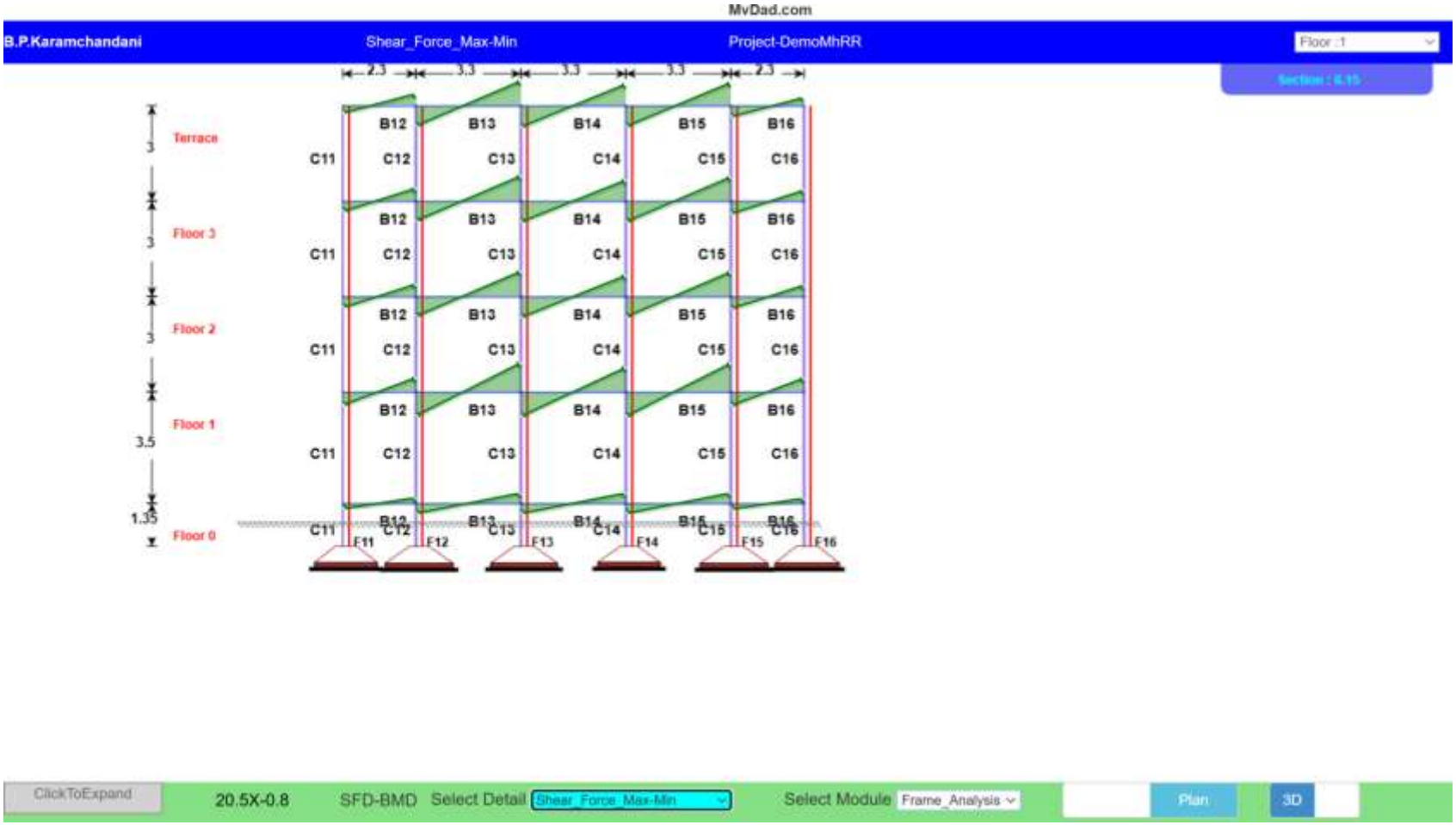


Column Steel Design

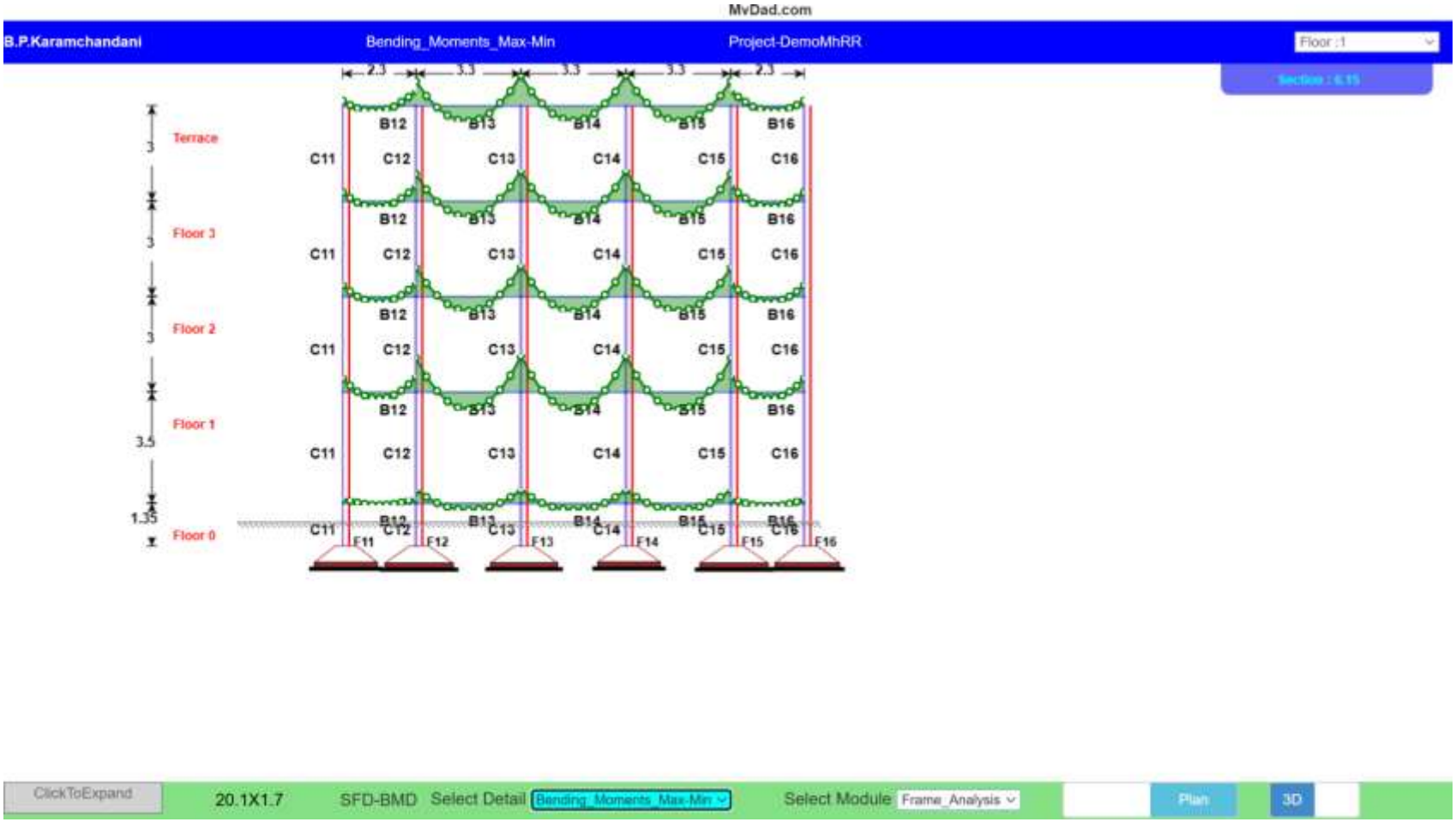


Drawings

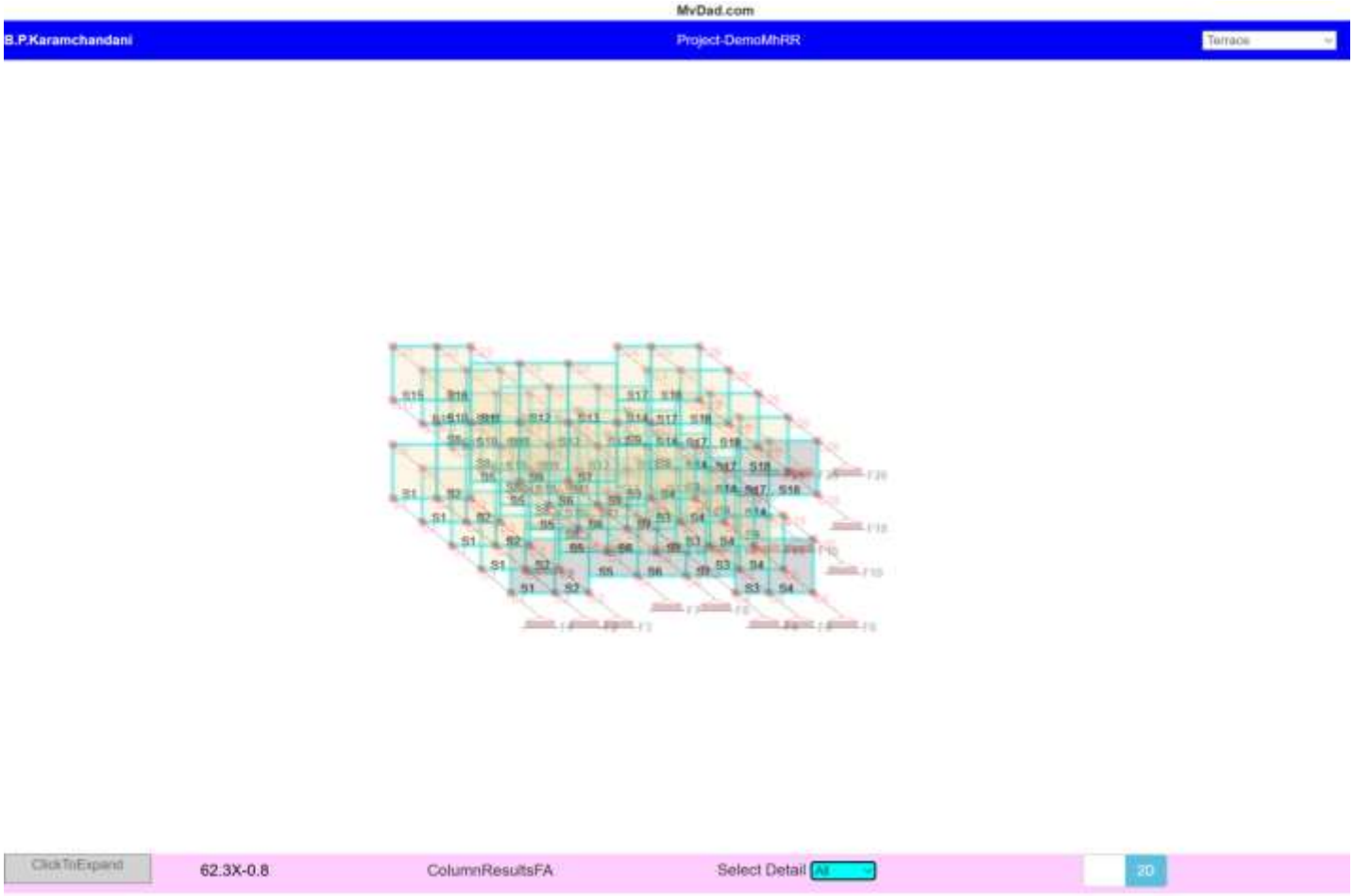
Shear Force Diagram



Bending Moment Diagram



3 D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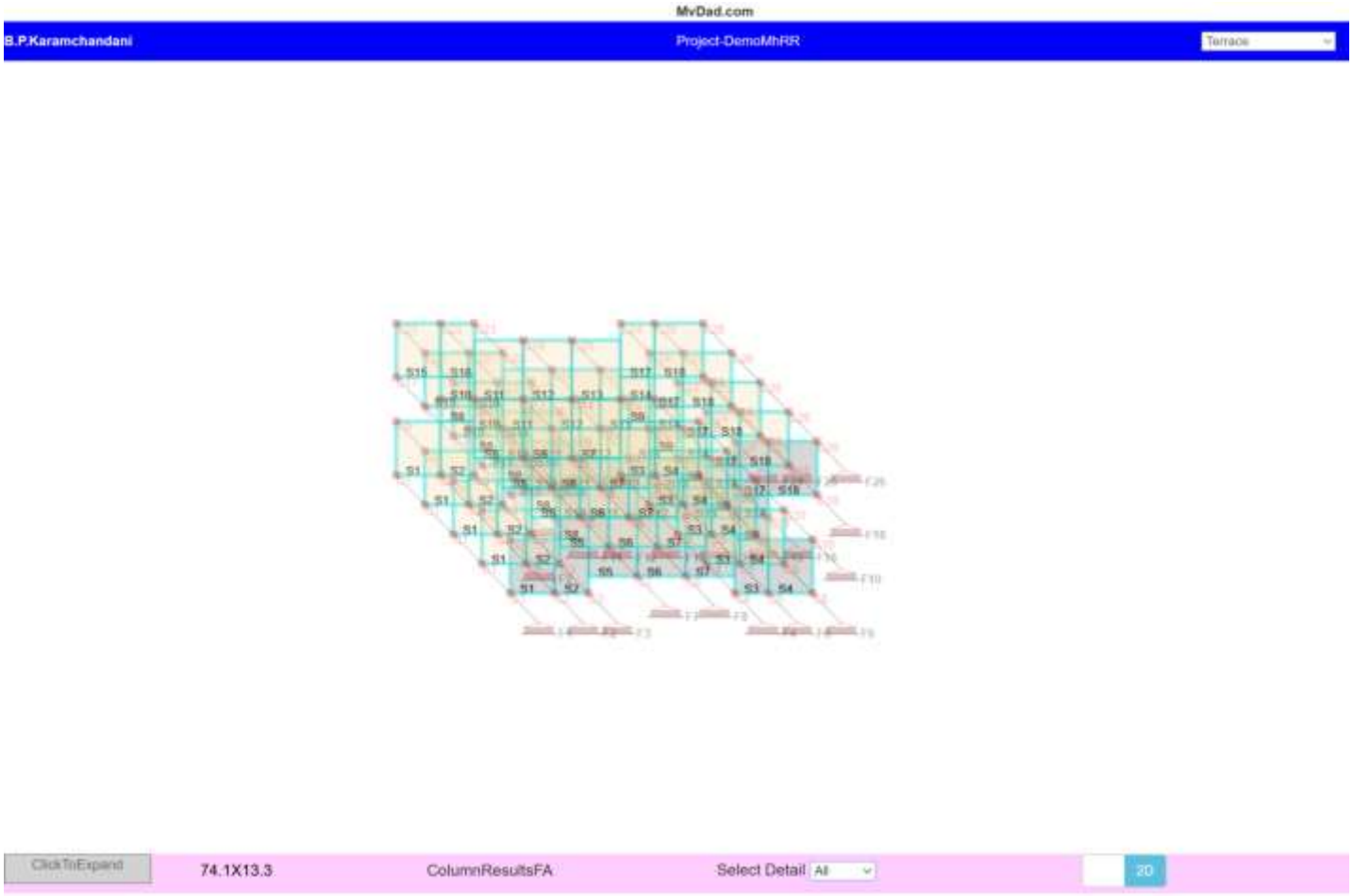
Project-DemoMhRR
Terrace
ClickToExpand
62.3X-0.8
ColumnResultsFA
Select Detail
2D

3 D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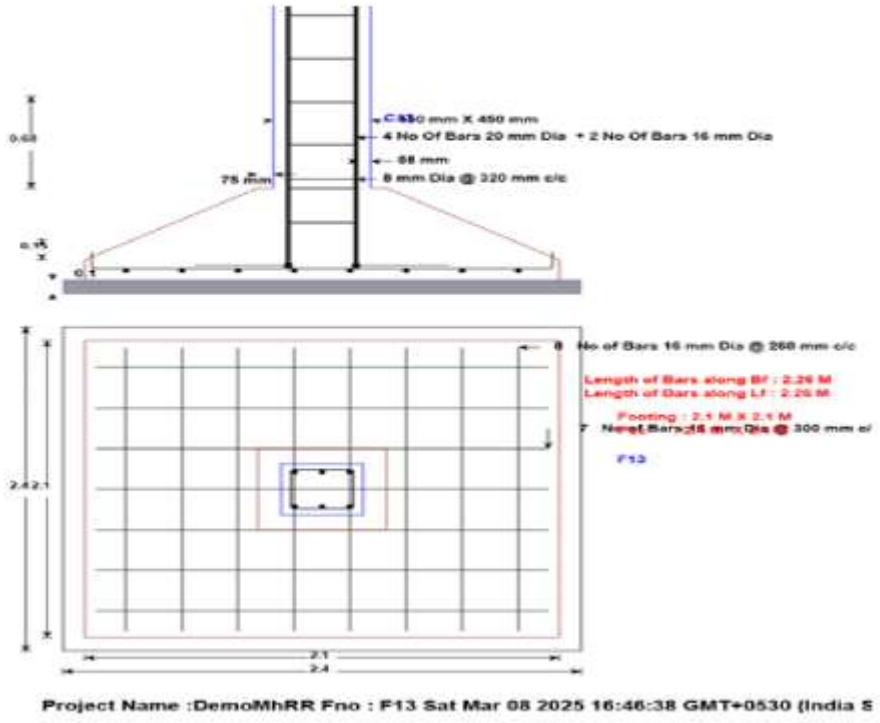
Project-DemoMhRR
Terrace
ClickToExpand
74.1X13.3
ColumnResultsFA
Select Detail
All
2D

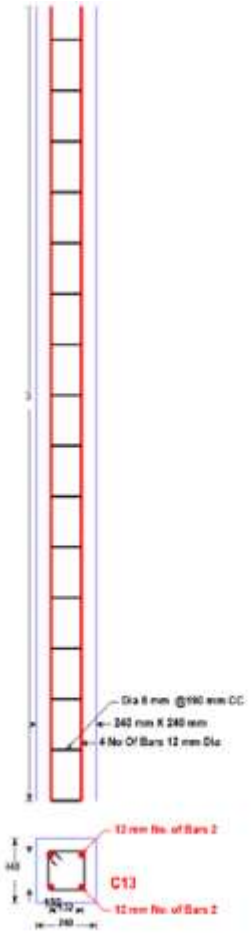
Steel Drawings

Footing

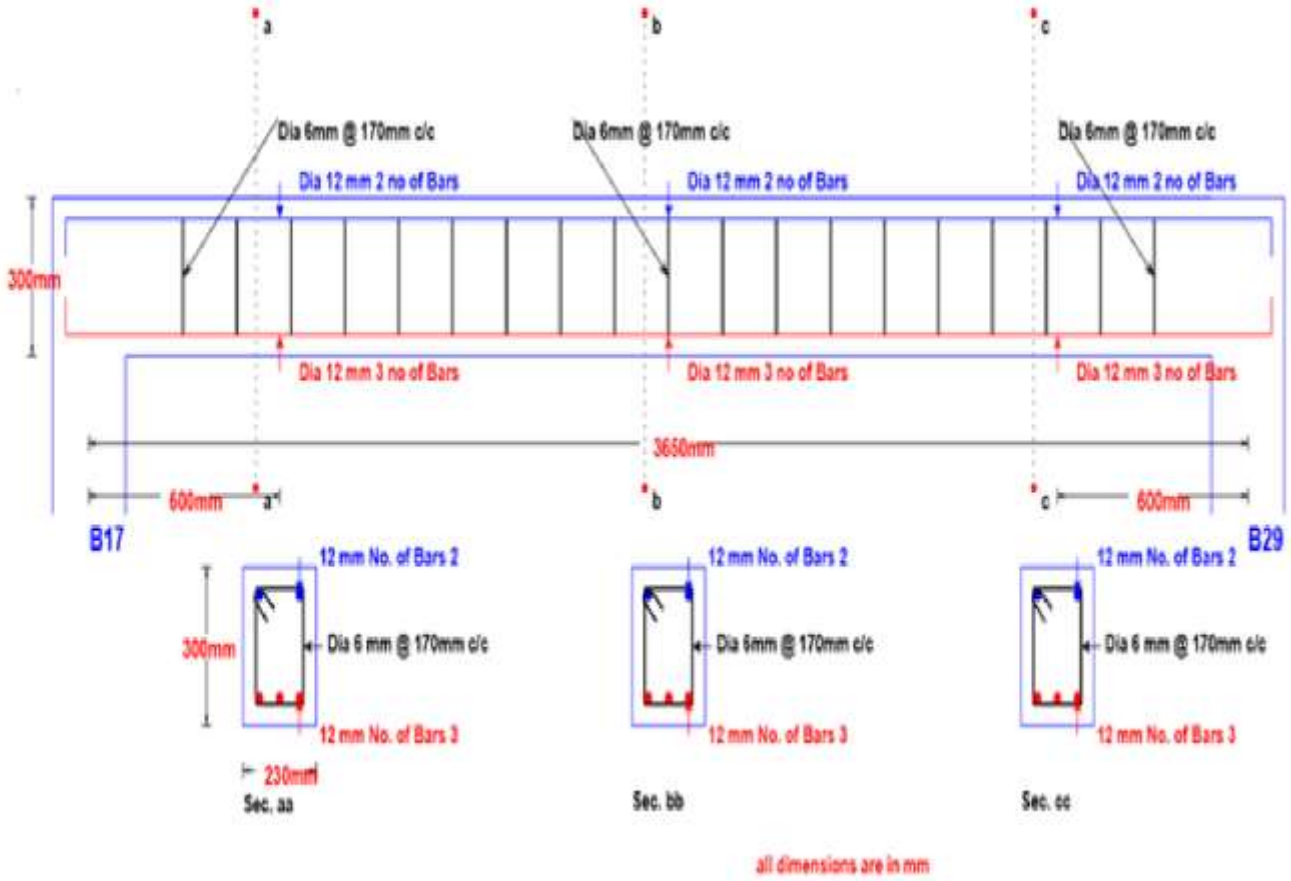


Project Name :DemoMhRR Fno : F13 Sat Mar 08 2025 16:46:38 GMT+0530 (India S

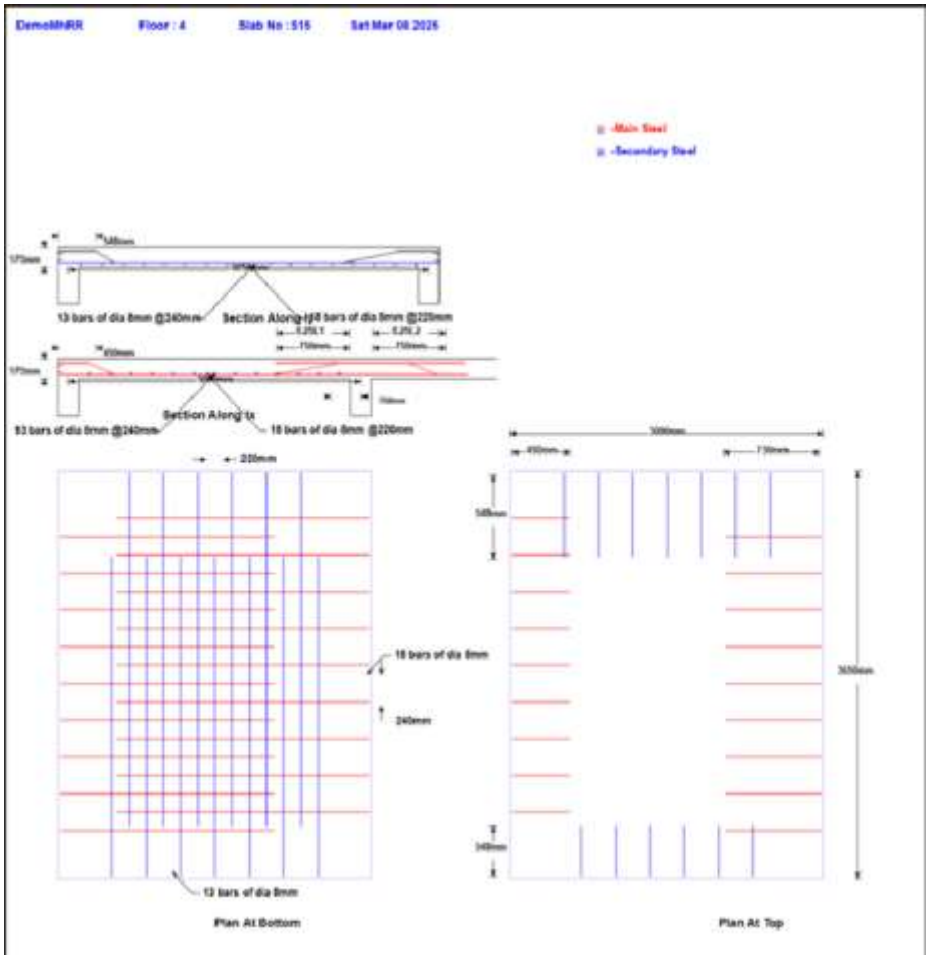
Column


Dia 8 mm @190 mm CC
340 mm X 240 mm
4 No Of Bars 12 mm Dia
12 mm No. of Bars 2
C13
12 mm No. of Bars 2

Beam

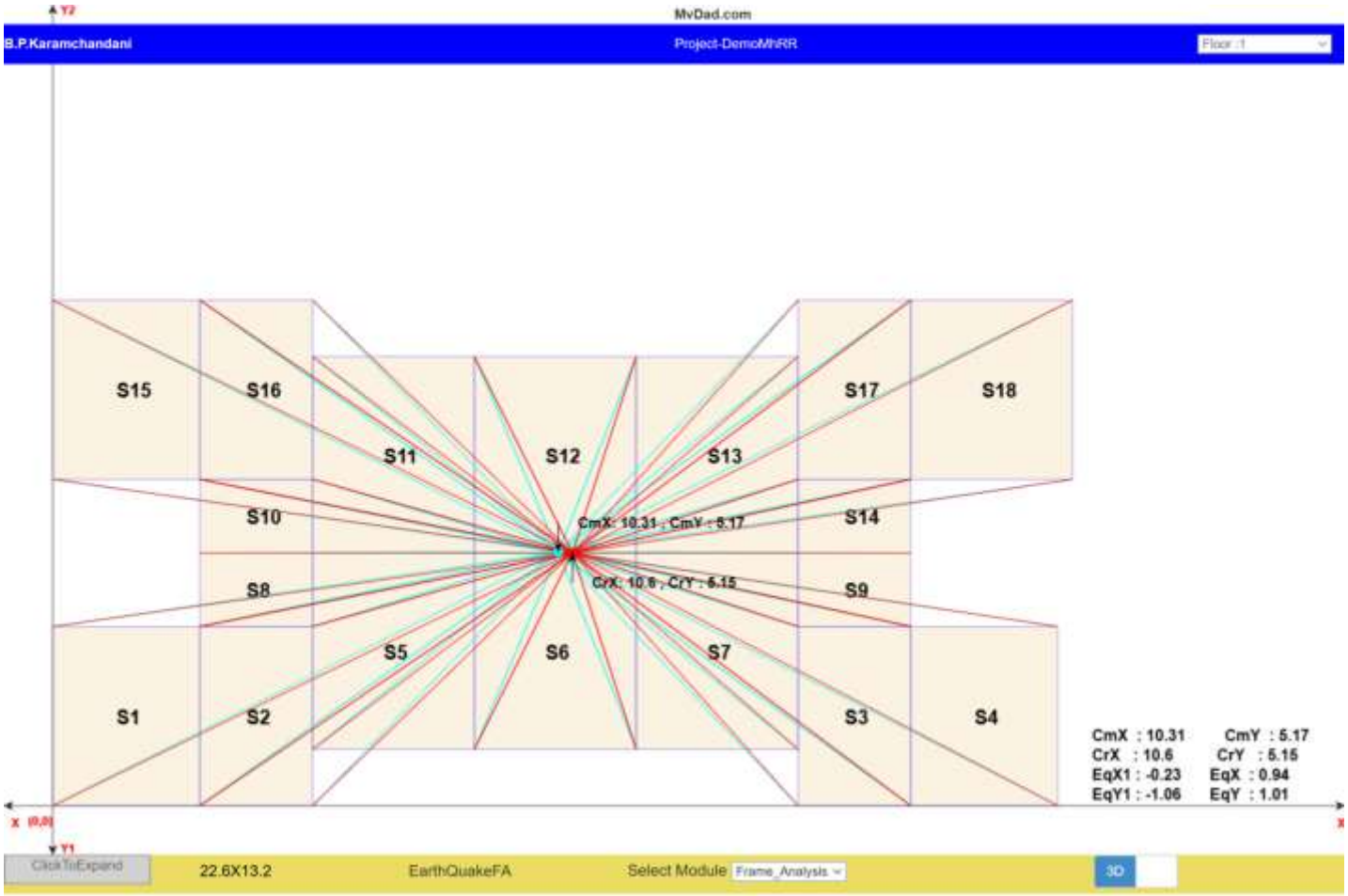


Slab

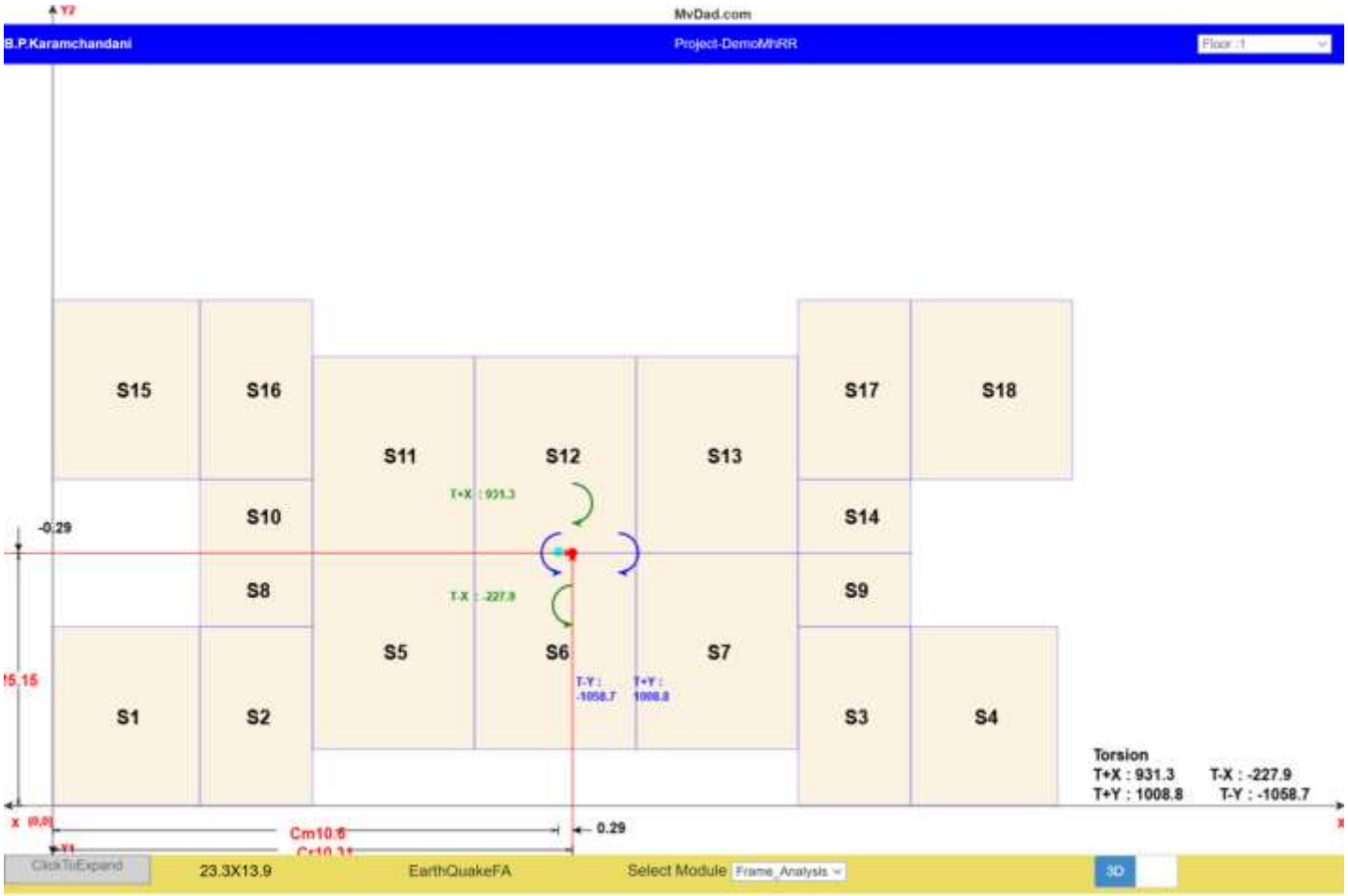

DemoMMRR
Floor : 4
Slab No : S15
Sat Mar 08 2025
13 bars of dia 8mm @240mm
Section Along-lx
18 bars of dia 8mm @220mm
Section Along-ly
18 bars of dia 8mm
240mm
13 bars of dia 8mm
Plan At Bottom
Plan At Top

Earthquake Drawings

Center of Mass and Center of Stiffness (Rigidity)



Torsion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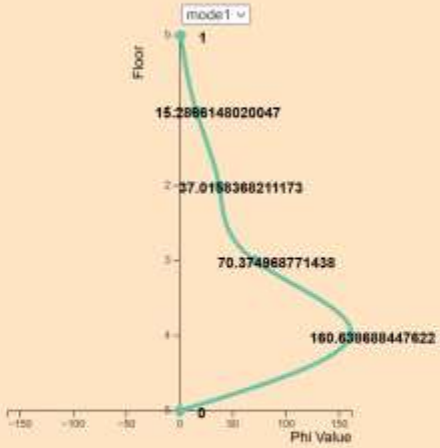
Project-DemoMhRR
S15
S16
S11
S12
S13
S17
S18
S10
S14
S8
S9
S5
S6
S7
S1
S2
S3
S4
-0.29
0.29
Torsion
T+X : 931.3
T-X : -227.9
T+Y : 1008.8
T-Y : -1058.7
23.3X13.9
EarthQuakeFA
Select Module
Frame_Analysis
3D

Mode 1

Earthquake | Eq Data | Static Analysis | Eccentricity | Dynamic Analysis in XX | Dynamic Analysis in YY | Drift and Displacement | Print | Top

$$\emptyset_1 = \begin{vmatrix} 1 \\ 15.2866148020047 \\ 37.0158368211173 \\ 70.374968771438 \\ 160.638668447622 \end{vmatrix} \quad \emptyset_2 = \begin{vmatrix} 1 \\ 15.2756908257244 \\ 33.5171356107724 \\ 48.4918999297534 \\ 0.67249457877896 \end{vmatrix} \quad \emptyset_3 = \begin{vmatrix} 1 \\ 15.2354857448181 \\ 20.6863809893754 \\ -7.01240387350582 \\ -4.39235557316257 \end{vmatrix} \quad \emptyset_4 = \begin{vmatrix} 1 \\ 15.154265747666 \\ -5.02826531094074 \\ -8.51504441307962 \\ 1.0571648191794 \end{vmatrix} \quad \emptyset_5 = \begin{vmatrix} 1 \\ 15.1527378872829 \\ -5.50711895307831 \\ -8.53759680568483 \\ 1.15940093794197 \end{vmatrix}$$



The Natural Time Periods in X-X Direction

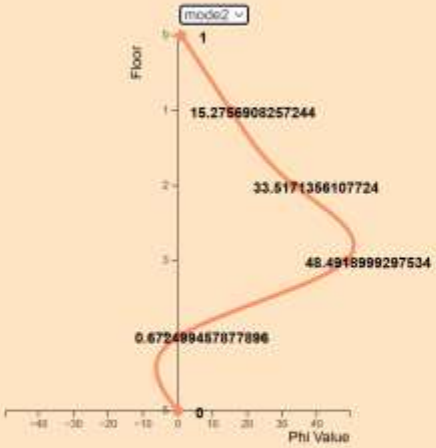
$$\text{The Natural Time Periods are } T = 2\,\Pi\,/\,\omega_{(i)} = \begin{vmatrix} (2 * 3.14) / 11.5158356618955 \\ (2 * 3.14) / 21.6287195942362 \\ (2 * 3.14) / 39.5190094553261 \\ (2 * 3.14) / 61.6807433241835 \\ (2 * 3.14) / 606.838564162169 \end{vmatrix} = \begin{vmatrix} 0.545 \\ 0.29 \\ 0.159 \\ 0.102 \\ 0.01 \end{vmatrix} \text{ seconds}$$

i	ω_i rad/sec	T_i sec
1	11.5158356618955	0.545

Mode 2

Earthquake | Eq Data | Static Analysis | Eccentricity | Dynamic Analysis in XX | Dynamic Analysis in YY | Drift and Displacement | Print | Top

$$\emptyset_1 = \begin{vmatrix} 1 \\ 15.2866148020047 \\ 37.0158368211173 \\ 70.374968771438 \\ 160.638668447622 \end{vmatrix} \quad \emptyset_2 = \begin{vmatrix} 1 \\ 15.2756908257244 \\ 33.5171356107724 \\ 48.4918999297534 \\ 0.672499457877896 \end{vmatrix} \quad \emptyset_3 = \begin{vmatrix} 1 \\ 15.2354857448181 \\ 20.6863809893754 \\ -7.01240367350582 \\ -4.39235557316257 \end{vmatrix} \quad \emptyset_4 = \begin{vmatrix} 1 \\ 15.154265747666 \\ -5.02826531094074 \\ -8.51504441307962 \\ 1.0571648191794 \end{vmatrix} \quad \emptyset_5 = \begin{vmatrix} 1 \\ 15.1527378872829 \\ -5.50711895307831 \\ -8.53759680568483 \\ 1.15940093794197 \end{vmatrix}$$



The Natural Time Periods in X-X Direction

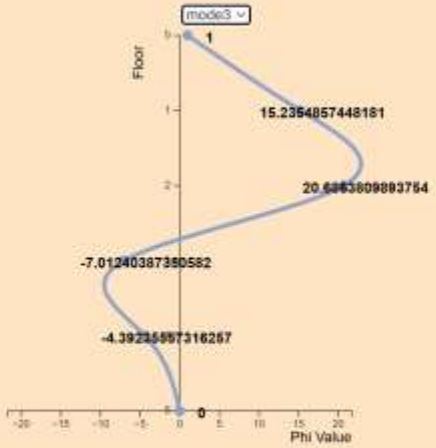
$$\text{The Natural Time Periods are } T = 2\,\Pi\,/\,\omega_{(i)} = \begin{vmatrix} (2 * 3.14) / 11.5158356618955 \\ (2 * 3.14) / 21.6287195942362 \\ (2 * 3.14) / 39.5190094553261 \\ (2 * 3.14) / 61.6807433241835 \\ (2 * 3.14) / 606.838564162169 \end{vmatrix} = \begin{vmatrix} 0.545 \\ 0.29 \\ 0.159 \\ 0.102 \\ 0.01 \end{vmatrix} \text{ seconds}$$

i	ω_i __ rad/sec	T_i __ sec
1	11.5158356618955	0.545

Mode 3

Earthquake | Eq Data | Static Analysis | Eccentricity | Dynamic Analysis in XX | Dynamic Analysis in YY | Drift and Displacement | Print | Top

$$\emptyset_1 = \begin{vmatrix} 1 \\ 15.2866148020047 \\ 37.0158368211173 \\ 70.3749687714436 \\ 160.638668447622 \end{vmatrix} \quad \emptyset_2 = \begin{vmatrix} 1 \\ 15.2756908257244 \\ 33.5171356107724 \\ 48.4918999297534 \\ 0.672499457877896 \end{vmatrix} \quad \emptyset_3 = \begin{vmatrix} 1 \\ 15.2354857448181 \\ 20.6863809893754 \\ -7.01240387350582 \\ -4.39235557316257 \end{vmatrix} \quad \emptyset_4 = \begin{vmatrix} 1 \\ 15.154265747666 \\ -5.02826531094074 \\ -8.51504441307962 \\ 1.0571648191794 \end{vmatrix} \quad \emptyset_5 = \begin{vmatrix} 1 \\ 15.1527378872829 \\ -5.50711895307831 \\ -8.53759680568483 \\ 1.15940093794197 \end{vmatrix}$$

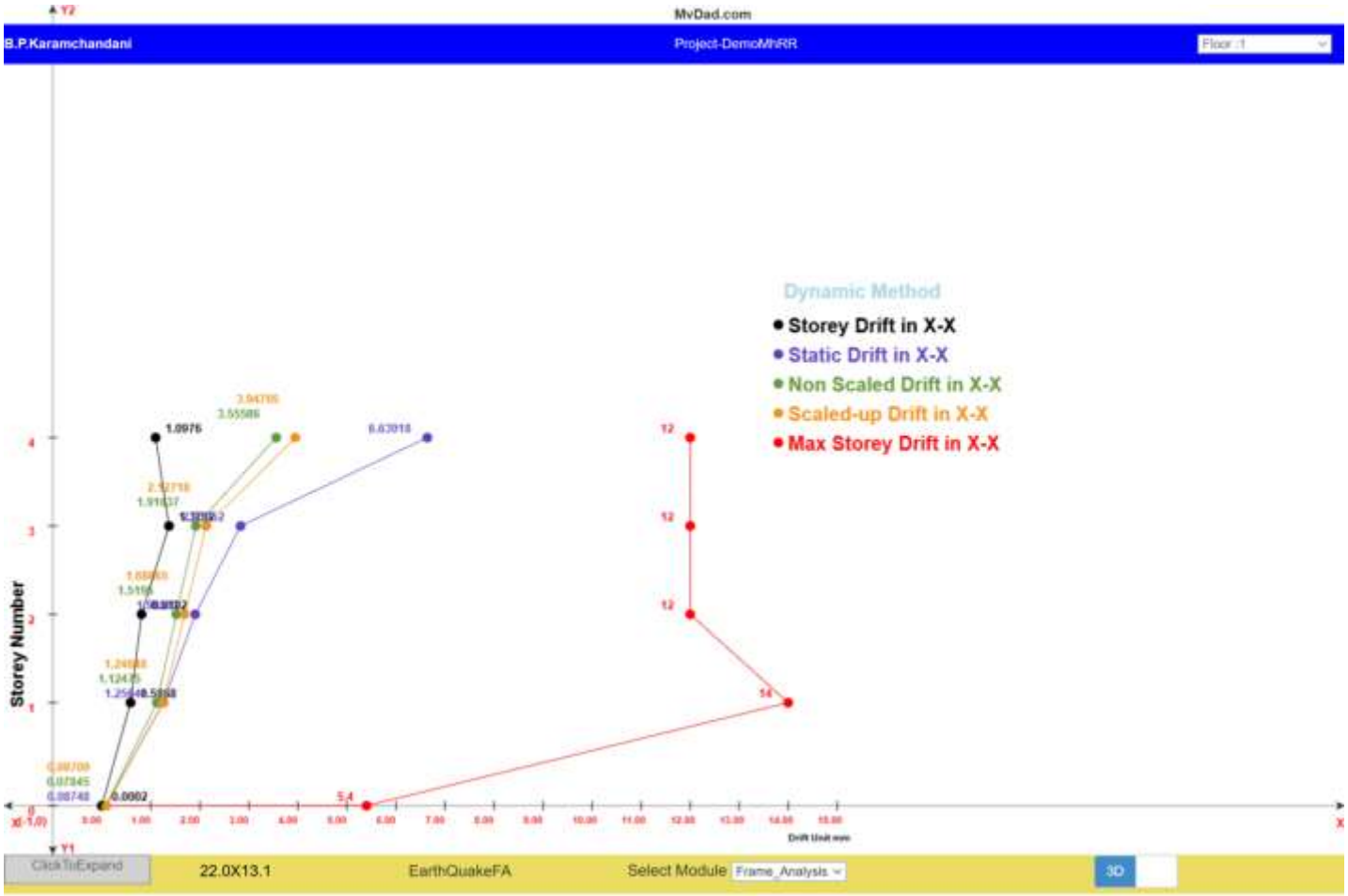


The Natural Time Periods in X-X Direction

$$\text{The Natural Time Periods are } T = 2\,\Pi\,/\,\omega_{(i)} = \begin{vmatrix} (2 * 3.14) / 11.5158356618955 \\ (2 * 3.14) / 21.6287195942362 \\ (2 * 3.14) / 39.5190094553261 \\ (2 * 3.14) / 61.6807433241835 \\ (2 * 3.14) / 606.838564162169 \end{vmatrix} = \begin{vmatrix} 0.545 \\ 0.29 \\ 0.159 \\ 0.102 \\ 0.01 \end{vmatrix} \text{ seconds}$$

i	ω_i __ rad/sec	T_i __ sec
1	11.5158356618955	0.545

Drift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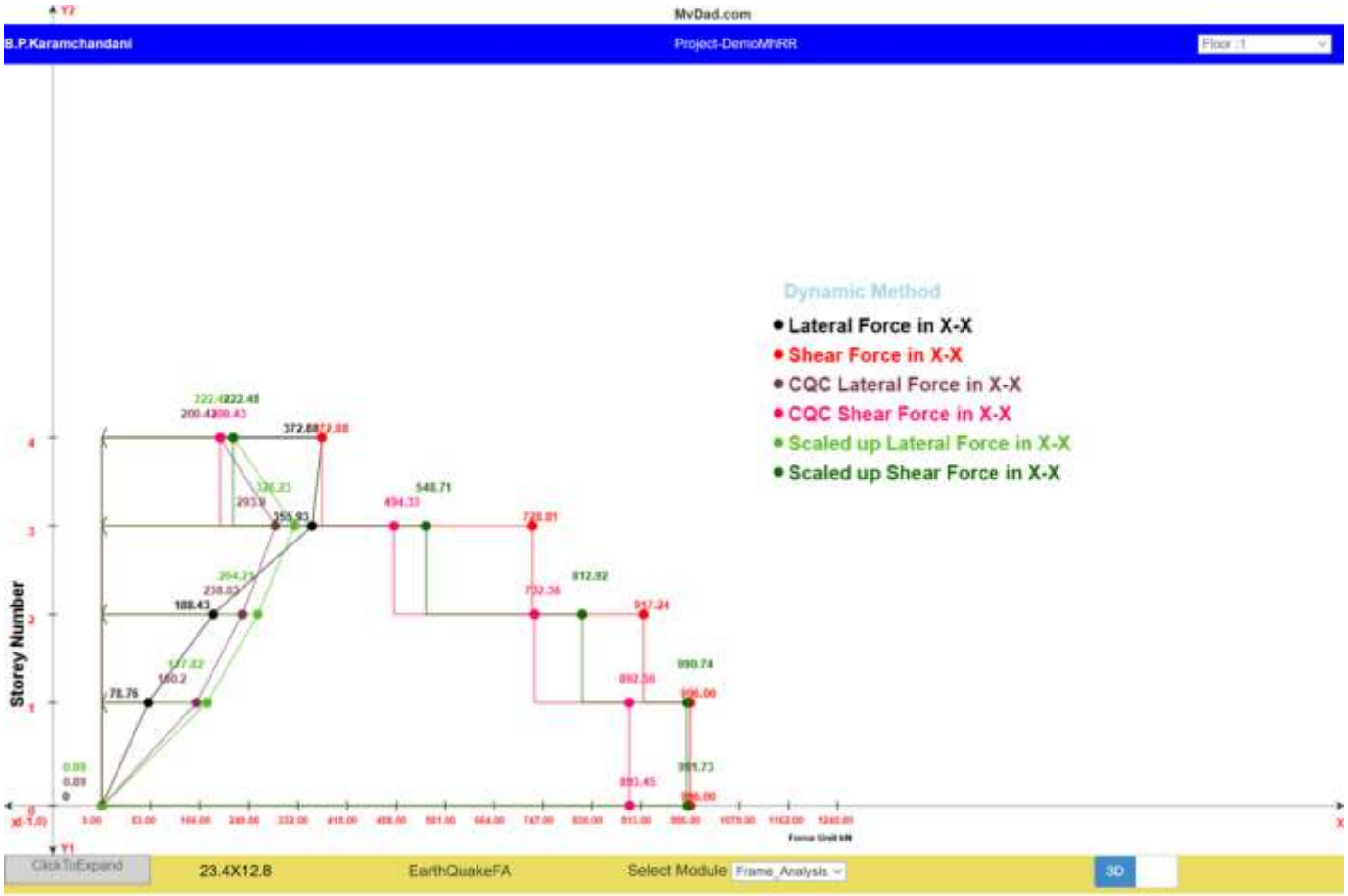
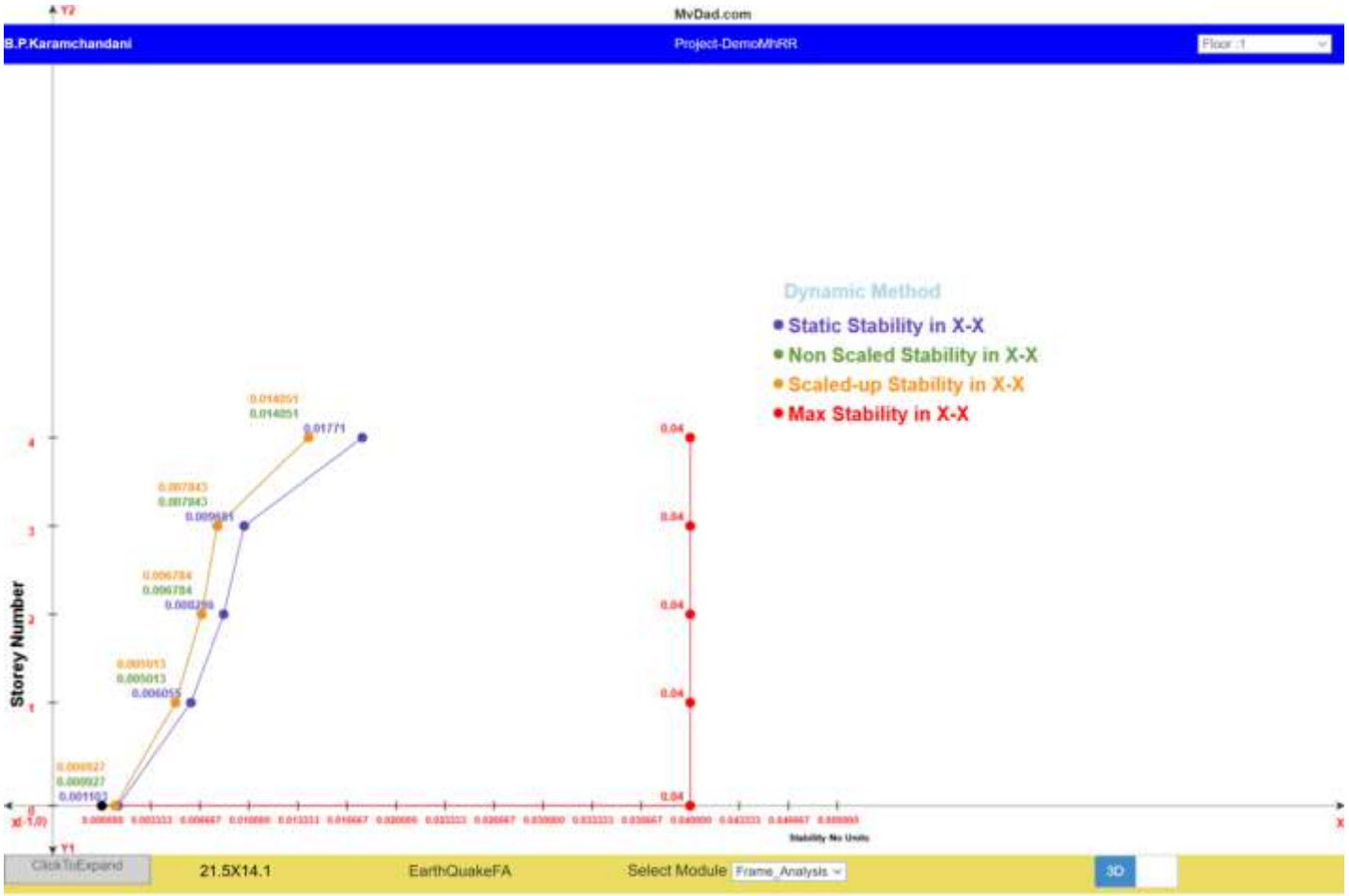
Project-DemoMhRR
Floor :1
Dynamic Method
Storey Drift in X-X
Static Drift in X-X
Non Scaled Drift in X-X
Scaled-up Drift in X-X
Max Storey Drift in X-X
Storey Number
Drift Unit mm
ClickToExpand
22.0X13.1
EarthQuakeFA
Select Module
Frame_Analysis
3D

Displacement

Lateral Force and Shear Force



Stability


MvDad.com
S.P.Karamchandani
Project-DemoMhRR
Floor :1
Dynamic Method
Static Stability in X-X
Non Scaled Stability in X-X
Scaled-up Stability in X-X
Max Stability in X-X
Storey Number
Stability No Units
ClickToExpand
21.5X14.1
EarthQuakeFA
Select Module
Frame_Analysis
3D

Bill of Quantity

Cement BOQ Modulewise

Proj : DemoMhRR	Cement Qty	F A 08/03/2025

SLAB Cement Qty

Floor	Quantity: M^3	M15	M20	M25	M30	M35	M40
0	0	0	0	0	0	0	0
1	30.01	0	30.01	0	0	0	0
2	30.01	0	30.01	0	0	0	0
3	30.01	0	30.01	0	0	0	0
4	30.01	0	30.01	0	0	0	0
Total	120.03	0	120.03	0	0	0	0

Beam Cement Qty

Floor	Quantity: M^3	M15	M20	M25	M30	M35	M40
0	9.52	0	9.52	0	0	0	0
1	10.93	0	10.93	0	0	0	0
2	12.71	0	12.71	0	0	0	0
3	11.64	0	11.64	0	0	0	0
4	9.52	0	9.52	0	0	0	0
Total	54.33	0	54.33	0	0	0	0

Column Cement Qty

Floor	Quantity: M^3	M15	M20	M25	M30	M35	M40
0	3.5	0	3.5	0	0	0	0
1	7.45	0	7.45	0	0	0	0
2	4.44	0	4.44	0	0	0	0
3	3.64	0	3.64	0	0	0	0
4	3.58	0	3.58	0	0	0	0
Total	22.61	0	22.61	0	0	0	0

Cement BOQ Floorwise

Proj : DemoMhRR	Cement Qty					F A 08/03/2025
Floor	Section/ConcGrd	M15	M20	M25	M30	M35	M40
Footing		0	34.71	0	0	0	0
0	Slab	0	0	0	0	0	0
0	Beam	0	9.52	0	0	0	0
0	Column	0	3.5	0	0	0	0
Total		0	13.02	0	0	0	0
1	Slab	0	30.01	0	0	0	0
1	Beam	0	10.93	0	0	0	0
1	Column	0	7.45	0	0	0	0
Total		0	48.39	0	0	0	0
2	Slab	0	30.01	0	0	0	0
2	Beam	0	12.71	0	0	0	0
2	Column	0	4.44	0	0	0	0
Total		0	47.16	0	0	0	0
3	Slab	0	30.01	0	0	0	0
3	Beam	0	11.64	0	0	0	0
3	Column	0	3.64	0	0	0	0
Total		0	45.29	0	0	0	0
4	Slab	0	30.01	0	0	0	0
4	Beam	0	9.52	0	0	0	0
4	Column	0	3.58	0	0	0	0
Total		0	43.12	0	0	0	0
Grand Total		0	231.7	0	0	0	0

Proj : DemoMhRR	Cement Bags					F A 08/03/2025
	M15	M20	M25	M30	M35	M40
Cement Bags / M^3 : Nos	6.4	8.2	10	12	14	16
TOTAL Cement Bags : Nos	0	1899.94	0	0	0	0
Grand TOTAL Cement	1900 Bags					

Steel BOQ Modulewise

Proj : DemoMhRR — Steel Weight — F A 08/03/2025

Slab Steel Weight

Floor	AgPrvd	WoMs	WoSs	Fe-250	Fe-415							Fe-500						
				6mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	171.4	544.9	486.3	0	1031.2	0	0	0	0	0	0	0	0	0	0	0	0	0
2	171.4	544.2	485.7	0	1029.9	0	0	0	0	0	0	0	0	0	0	0	0	0
3	171.4	544.2	485.7	0	1029.9	0	0	0	0	0	0	0	0	0	0	0	0	0
4	171.4	440.9	432.6	0	873.5	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	685.6 M^2	2074.2	1890.3															
SLAB Total	**7380 Ft^2**	3964.5		3964.5 Kg														

Beam Steel Weight

Floor	WoMs1	WoMs2	WoMs	wB	wS	WoAs	WoSs	Fe-250	Fe-415							Fe-500						
1	2	3	4=2+3	5	6	7=5+6	8	6mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm
0	273.6	0	273.6	229.9	0	229.9	177.3	113.8	63.5	99.1	404.4	0	0	0	0	0	0	0	0	0	0	0
1	654.5	102.4	756.9	235.4	577	812.4	409.9	172.7	237.2	182.9	405.3	371.2	222.2	250.6	137.1	0	0	0	0	0	0	0
2	636.5	91.6	728.2	235.3	571.7	807	451.4	187.4	264.1	178.7	475.3	194.2	210.5	364.1	112.4	0	0	0	0	0	0	0
3	720.9	79.2	800.1	235.4	591.7	827.2	419.8	181.7	238.2	179.1	405.1	512.1	105	313.6	112.4	0	0	0	0	0	0	0
4	576.2	34.4	610.5	234.4	392.2	626.6	201.4	131.6	69.8	202.9	408.9	338.9	51.8	40.4	194.2	0	0	0	0	0	0	0
Total	3169.4			3303.2			1659.8															
BEAM Total	8132.3							8132.3 Kg														

Column Steel Weight

Floor	WoMs1	WoMs2	WoMs	WoSs	Fe-250	Fe-415							Fe-500						
1	2	3	4=2+3	5	6mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm
0	223.7	24.8	248.4	74.5		74.5	0	141.4	25.6	39.9	41.6	0	0	0	0	0	0	0	0
1	503.1	58	561.1	182.5		182.5	0	391.2	66.2	103.5	0	0	0	0	0	0	0	0	0
2	379.8	10.6	390.5	166.1		166.1	0	276.8	113.6	0	0	0	0	0	0	0	0	0	0
3	312.4	0	312.4	167.7		167.7	0	255.6	56.8	0	0	0	0	0	0	0	0	0	0
4	276.9	0	276.9	172.4		172.4	0	276.9	0	0	0	0	0	0	0	0	0	0	0
Total	1789.2			763.2															
Column Total	2552.5				2552.5 Kg														

Footing Steel Weight

Floor	WoMs	WoSs	Fe-250	Fe-415							Fe-500						
			6mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm
Total	314.2	269.4															
Footing Total	583.7		583.7 Kg														
Slab + Beam + COLUMN + Footing Total			15233													**2.1 Kg/Ft^2**	

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Steel BOQ Floorwise

DemoMhRR		Steel Summary														F A 08/03/2025
Floor	Type/SteelGrd	Fe-250	Fe-415							Fe-500						
		6mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm	8mm	10mm	12mm	16mm	20mm	25mm	32mm
Footing		0	0	77.56	218.13	287.83	0	0	0	0	0	0	0	0	0	0
0	Slab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	Beam	113.8	63.5	99.1	404.4	0	0	0	0	0	0	0	0	0	0	0
0	Column	N/A	74.5	0	141.4	25.6	39.9	41.6	0	0	0	0	0	0	0	0
Total		113.8	138	177	763.9	313.4	39.9	41.6	0	0	0	0	0	0	0	0
1	Slab	0	1031.2	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Beam	172.7	237.2	642.5	418.8	213.5	157.3	0	137.1	0	0	0	0	0	0	0
1	Column	N/A	182.5	0	391.2	66.2	103.5	0	0	0	0	0	0	0	0	0
Total		172.7	1450.9	642	810.1	279.7	260.8	0	137.1	0	0	0	0	0	0	0
2	Slab	0	1029.9	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Beam	187.4	264.1	626	478.4	94.6	158.3	65.5	112.4	0	0	0	0	0	0	0
2	Column	N/A	166.1	0	276.8	113.6	0	0	0	0	0	0	0	0	0	0
Total		187.4	1460.1	626	755.2	208.2	158.3	65.5	112.4	0	0	0	0	0	0	0
3	Slab	0	1029.9	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Beam	181.7	238.2	623.6	453	227.9	52.8	157.5	112.4	0	0	0	0	0	0	0
3	Column	N/A	167.7	0	255.6	56.8	0	0	0	0	0	0	0	0	0	0
Total		181.7	1435.8	624	708.6	284.7	52.8	157.5	112.4	0	0	0	0	0	0	0
4	Slab	0	873.5	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beam	131.6	69.8	506.1	378.8	158	0	0	194.2	0	0	0	0	0	0	0
4	Column	N/A	172.4	0	276.9	0	0	0	0	0	0	0	0	0	0	0
Total		131.6	1115.7	506	655.6	158	0	0	194.2	0	0	0	0	0	0	0
Grand Total		787	5600.5	2575	3693.5	1244	511.8	264.6	556.1	0	0	0	0	0	0	0
Grade Wise Total		787 Kg	14445.4 Kg							0 Kg						
Over All Total		15232.4 Kg								2.1 Kg/Ft^2						

Estimation

Estimation Qty / Sqft

Item	Qty	Qty / Sqft	Unit
Project Area	7380		Sqft
Cement	1900	0.3	Bags
Steel	15233	2.1	Kg

Estimation

Estimation Qty / Sqft

Item	Qty	Qty / Sqft	Unit
Project Area	7380		Sqft
Cement	1900	0.3	Bags
Steel	15233	2.1	Kg

Estimation Rs / Sqft

Item	Qty	Unit	Rate	Amount	Rs / Sqft
Project Area	7380	Sqft			
Cement	1900	Nos	450	855000	116
Steel	15233	Kg	70	1066310	144

Case Study

Comparative Statement of Same Project

Heading	Data as per Client	Data as per MvDad	Saving	Unit	Rate	Amount
Area	2368	2368		Ft^2		2368
Cement	1170	896	274	Bags	450	123300
			23	%		
Steel	8098	5663.9	2434	Kg	70	170373
			30	%		
Savings						₹ 2,93,673
Savings	3.42	2.39	1.03	Kg/Ft^2		₹ 124

Conclusion

1. Anyone can Create New Project within 10 Minutes from anywhere
2. Most Optimise Design to provide Sustainable Stable Structural Solution

We are open to Collaborate

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We are open to Collaborate

A. With Colleges

Offering FREE Login Access of Exclusive Project for Students Education Purposes.

65 + Seminars / Webinars Conducted across Bharat

B. With Professionals

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Sustainable Stable Structural Solutions

Cloud Based RC Building Earthquake Resistant Structural Design Software.

Thank You

Tutorial

Feedback