

**TABLE NO. 1**  
MEMBER SIZES

MEMBER NO.	MEMBER TYPE	SIZE
1-10	TOP CHORD	100x100x10
11-21	BOTTOM CHORD	100x100x10
10-11, 11-12, 12-13, 13-14, 14-15, 15-16, 16-17, 17-18, 18-19, 19-20, 20-21	VERTICAL	100x100x10
1-2, 2-3, 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 10-11, 11-12, 12-13, 13-14, 14-15, 15-16, 16-17, 17-18, 18-19, 19-20, 20-21	DIAGONAL	100x100x10

**TABLE NO. 2**  
LOADING DATA

Roof Live Load	0.25 kN/m <sup>2</sup>
Roof Dead Load	0.15 kN/m <sup>2</sup>
Wind Load	1.5 kN/m <sup>2</sup>

**TABLE NO. 3**  
MEMBER AXIAL FORCES

MEMBER NO.	AXIAL FORCE (kN)
1-10	Compression
11-21	Tension
Vertical Members	Compression
Diagonal Members	Tension

**TABLE NO. 4**  
JOINT REACTION FORCES

JOINT NO.	REACTION (kN)
1	Support Reaction
21	Support Reaction

**TABLE NO. 5**  
MEMBER MOMENTS

MEMBER NO.	MOMENT (kNm)
1-10	0
11-21	0
Vertical Members	0
Diagonal Members	0

**TABLE NO. 6**  
MEMBER SHEAR FORCES

MEMBER NO.	SHEAR FORCE (kN)
1-10	0
11-21	0
Vertical Members	0
Diagonal Members	0

**TABLE NO. 7**  
MEMBER DEFLECTIONS

MEMBER NO.	DEFLECTION (mm)
1-10	0
11-21	0
Vertical Members	0
Diagonal Members	0

**TABLE NO. 8**  
MEMBER STRESSES

MEMBER NO.	STRESS (N/mm <sup>2</sup> )
1-10	Compression
11-21	Tension
Vertical Members	Compression
Diagonal Members	Tension

**TABLE NO. 9**  
MEMBER STRESSES

MEMBER NO.	STRESS (N/mm <sup>2</sup> )
1-10	Compression
11-21	Tension
Vertical Members	Compression
Diagonal Members	Tension

**TABLE NO. 10**  
MEMBER STRESSES

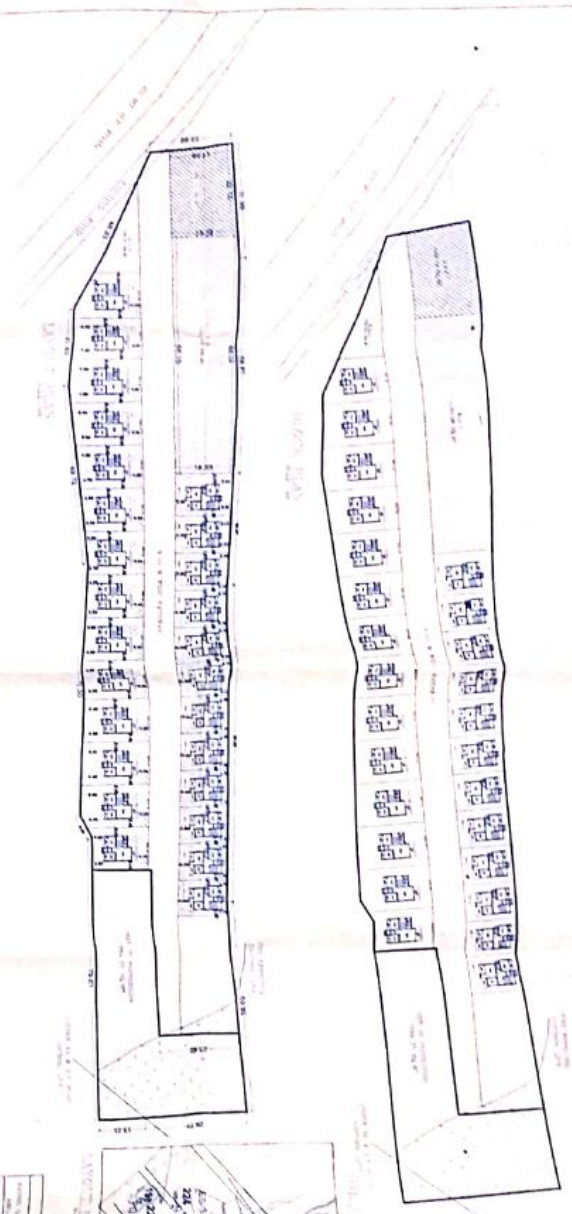
MEMBER NO.	STRESS (N/mm <sup>2</sup> )
1-10	Compression
11-21	Tension
Vertical Members	Compression
Diagonal Members	Tension

**TABLE NO. 11**  
MEMBER STRESSES

MEMBER NO.	STRESS (N/mm <sup>2</sup> )
1-10	Compression
11-21	Tension
Vertical Members	Compression
Diagonal Members	Tension

**TABLE NO. 12**  
MEMBER STRESSES

MEMBER NO.	STRESS (N/mm <sup>2</sup> )
1-10	Compression
11-21	Tension
Vertical Members	Compression
Diagonal Members	Tension



**TABLE NO. 13**  
GENERAL NOTES

1. All dimensions are in meters unless otherwise specified.
2. The structure is designed for a service life of 50 years.
3. The design is based on IS 456:2000 for concrete and IS 800:2008 for steel.
4. The ground level is assumed to be 100.00 m above sea level.
5. The structure is to be finished with a plaster and paint.
6. The design is subject to the approval of the local authority.

**KULDEEP**  
PATIL ARCHITECT

