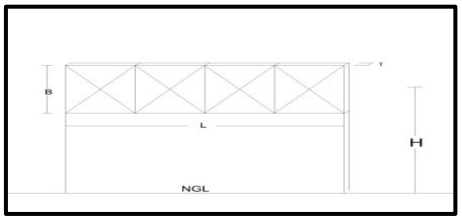
WIND LOAD CALCULATION FOR SIGN BOARDS (AS PER IS 875 Part-3)

TRUSS DIMENSIONS

Length of Truss (m)	**L :**	**30.5**
breadth of Truss (m)	**B :**	**2.5**
Thickness/width (m)	**T:**	**0.9**



Height of Truss (m) (from NGL to Centre of Truss)	7.25

DESIGN FACTORS

WIND ZONE (AS PER IS 875-3)	Zone IV
Basic Wind Speed {Vb} for Selected Zone (m/s) :	**47**
Terrain Category :	Category 2
TYPE OF STRUCTURE I	Normal
STRUCTURE CLASS :	Class B
TOPOGRAPHY :	Plain

CORRESPODING RISK FACTOR :
1

CORRESPODING FACTOR :
0.98

CORRESPODING FACTOR :
1

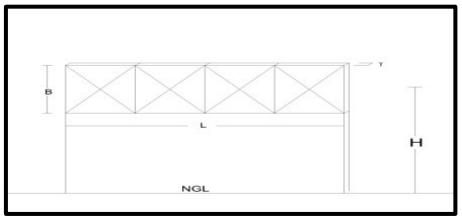
WIND CAL 30.5

		CORRESPONDING FORCE COEFFICENT :	
HOARDING TYPE :	Edge above Ground		1.2
PRESSURE DENSITY (Pd)	1145.62		
TOTAL FORCE (KNs):	104.82		
No. Of Nodes :	81		
Force Per Node (KNs) :	1.29		

WIND LOAD CALCULATION FOR SIGN BOARDS (AS PER IS 875 Part-3)

TRUSS DIMENSIONS

Length of Truss (m)	**L :**	**36.5**
breadth of Truss (m)	**B :**	**2.5**
Thickness/width (m)	**T:**	**0.9**



Height of Truss (m) (from NGL to Centre of Truss)	7.25

DESIGN FACTORS

WIND ZONE (AS PER IS 875-3)	Zone IV
Basic Wind Speed {Vb} for Selected Zone (m/s) :	47
Terrain Category :	Category 2
TYPE OF STRUCTURE I	Normal
STRUCTURE CLASS :	Class B
TOPOGRAPHY :	Plain

CORRESPODING RISK FACTOR :
1
CORRESPODING FACTOR :
0.98
CORRESPODING FACTOR :
1

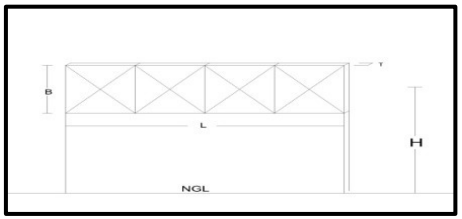
WIND CAL 36.5

		CORRESPONDING FORCE COEFFICENT :
HOARDING TYPE :	Edge above Ground	1.2
PRESSURE DENSITY (Pd)	1145.62	
TOTAL FORCE (KNs):	125.45	
No. Of Nodes :	93	
Force Per Node (KNs) :	1.35	

WIND LOAD CALCULATION FOR SIGN BOARDS (AS PER IS 875 Part-3)

TRUSS DIMENSIONS

Length of Truss (m)	**L :**	**46**
breadth of Truss (m)	**B :**	**2.5**
Thickness/width (m)	**T:**	**0.9**



Height of Truss (m)
(from NGL to Centre of Truss) **7.25**

DESIGN FACTORS

WIND ZONE (AS PER IS 875-3)	Zone IV
Basic Wind Speed {Vb} for Selected Zone (m/s) :	**47**
Terrain Category :	Category 2
TYPE OF STRUCTURE I	Normal
STRUCTURE CLASS :	Class B
TOPOGRAPHY :	Plain

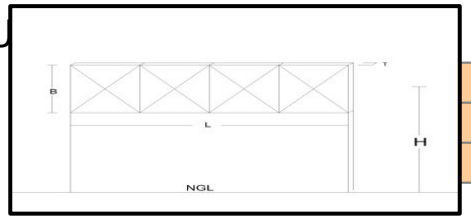
CORRESPODING RISK FACTOR :
1
CORRESPODING FACTOR :
0.98
CORRESPODING FACTOR :
1

WIND CAL 46

		CORRESPONDING FORCE COEFFICENT :	
HOARDING TYPE :	Edge above Ground		1.2
PRESSURE DENSITY (Pd)	1145.62		
TOTAL FORCE (KNs):	158.10		
No. Of Nodes :	117		
Force Per Node (KNs) :	1.35		

WIND LOAD CALCULATION FOR SIGN BOARDS (AS PER IS 875 Part-3)

TRU



Length of Truss (m)	
breadth of Truss (m)	
Thickness/width (m)	
Height of Truss (m) (from NGL to Centre of Truss)	7.25

DESIGN FACTORS

WIND ZONE (AS PER IS 875-3)	Zone IV
Basic Wind Speed {Vb} for Selected Zone (m/s) :	47
Terrain Category :	Category 2
TYPE OF STRUCTURE I	Normal
STRUCTURE CLASS :	Class B
TOPOGRAPHY :	Plain

CORRESPODING RISK FACTOR :
1
CORRESPODING FACTOR :
0.98
CORRESPODING FACTOR :
1

WIND CAL50

		CORRESPONDING FORCE COEFFICENT :	
HOARDING TYPE :	Edge above Ground		1.2
PRESSURE DENSITY (Pd)	1145.62		
TOTAL FORCE (KNs):	171.84		
No. Of Nodes :	130		
Force Per Node (KNs) :	1.32		