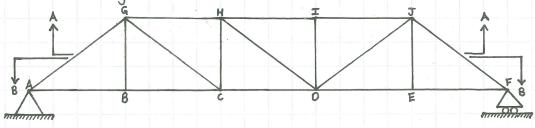
CIVIO2-STRUCTURES and MATERIALS

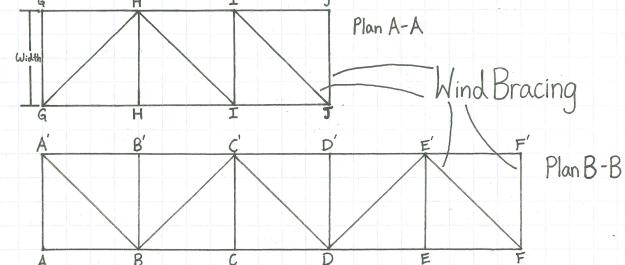
Topic: Design for Wind

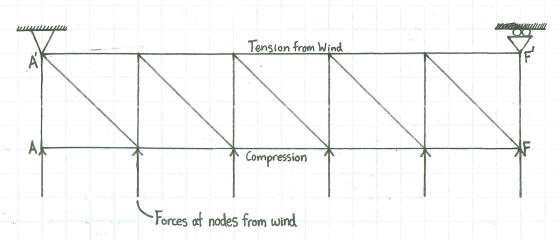
1) National Building Code of Canada (NBCC)
· Specifies load
· Floor loading for lecture hall
· With fixed seats = 2.4 km² = 50 lbs
· Without fixed seats = 4.8 km² = 100 lbs
· Without fixed seats = 4.8 km² = 100 lbs

2) Wind Design for Trusses

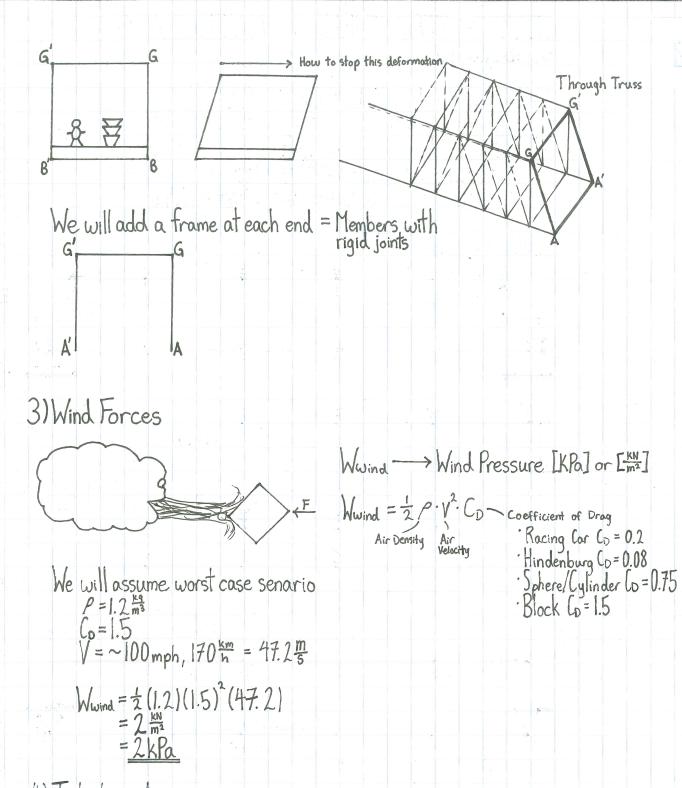


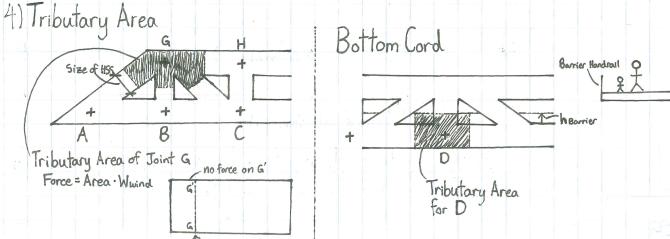
Elevation





Usually only design diagonals and cross-bridge members for wind. Neglect forces in bottom/top chord.





Wwind