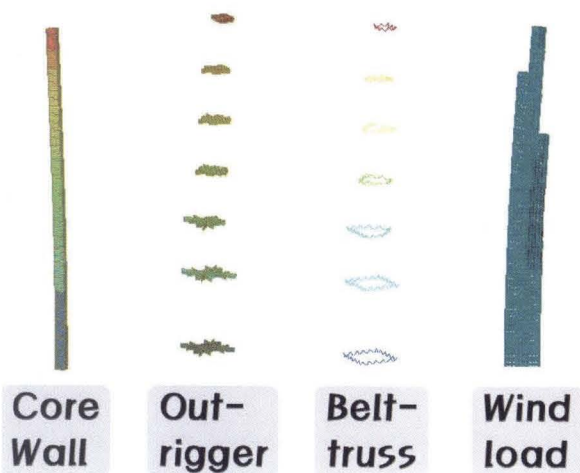


Stiffness Analysis

System	Displacement	Reaction
Core wall	1.725 tf/m	3.6 tf/m
Belt-truss	1.23 tf/m	3.6 tf/m
Outrigger	1.23 tf/m	3.48 tf/m
Steel frame	1.73 tf/m	2.6 tf/m

Horizontal Displacement



Flooring Service

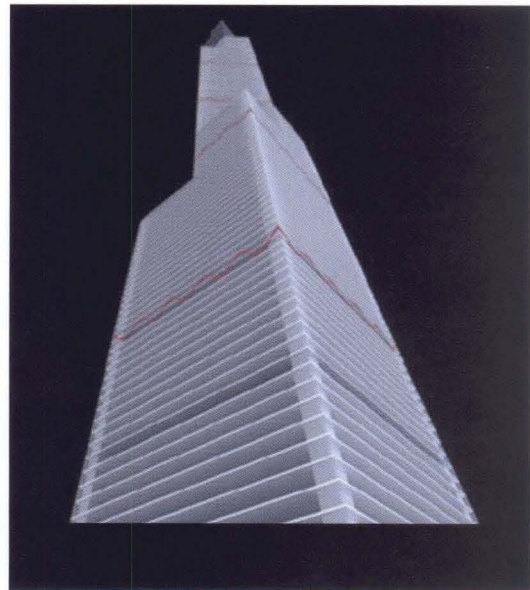
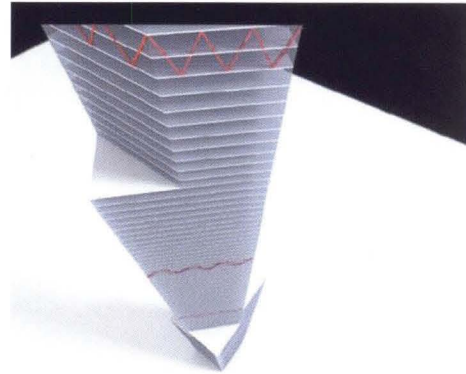
Story	Utility
1~16	Department store, Cinema
17~18	Mechanical Floor
19~54	Office Floor Zone
55~56	Mechanical Floor
57~81	Office Floor Zone
82~83	Mechanical Floor
84~107	Office Floor Zone
108~109	Mechanical Floor
110~133	Office Floor Zone
134~135	Mechanical Floor
136~159	officetel
160~161	Mechanical Floor
162~185	officetel
186~187	Mechanical Floor
188~200	Restaurant, Sky Lounge

Material & Section

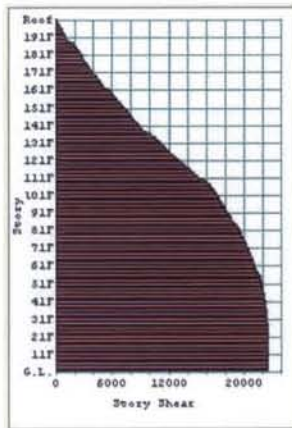
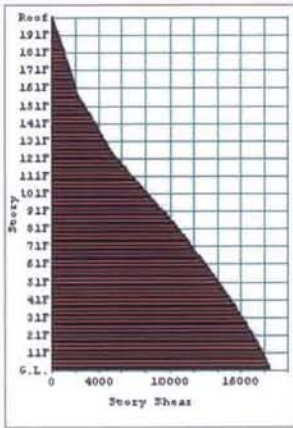
System	Material	Section (m)
Steel Column	SMS70	1.4×1×0.29×0.2
Core Wall	C700 & SMS70	1.5
Mega Column	C700	4×4
Steel Beam	SMS70	1×1.2×0.25×0.22
Belt-truss	SMS70	2.19×1.79×0.25×0.23
Outrigger	C700	2

Investigation

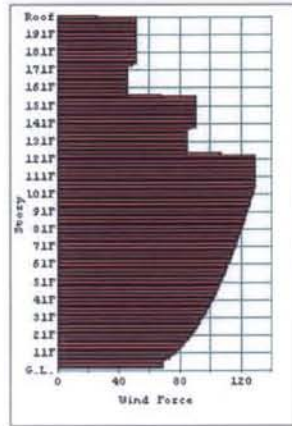
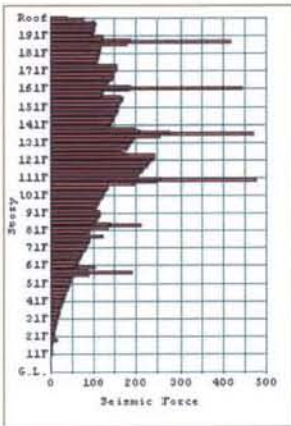
- 100년 재현주기 풍하중에 대한 최대 횡변위 = 1470 mm = H/517 < H/400 --> 만족
- 10년 재현주기 풍하중에 대한 최대 횡변위 = 1360 mm = H/559 < H/500 --> 만족



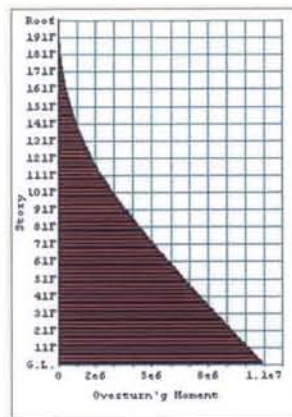
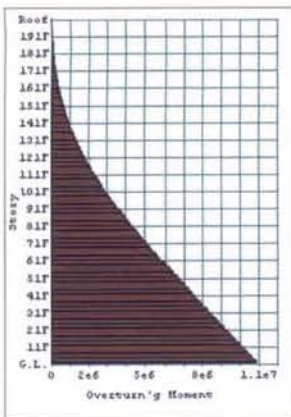
Related Graph



<Story Shear>



<Story Force>



<Over-turn Moment>

