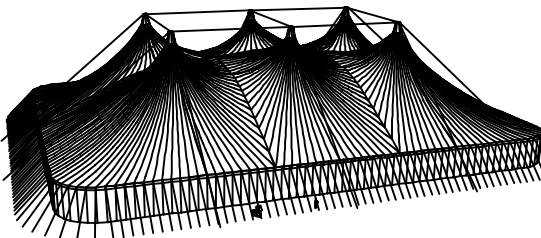
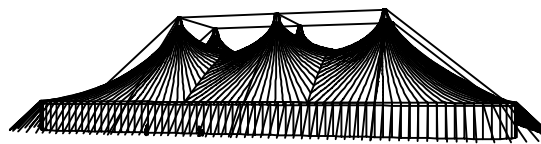
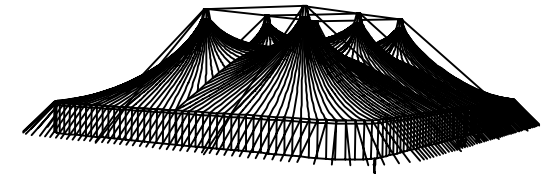
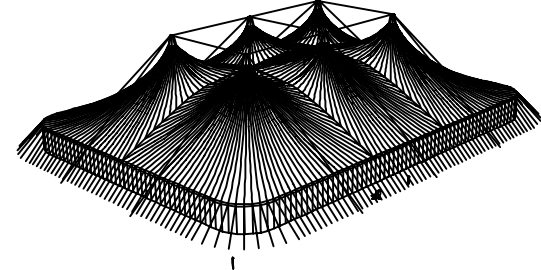
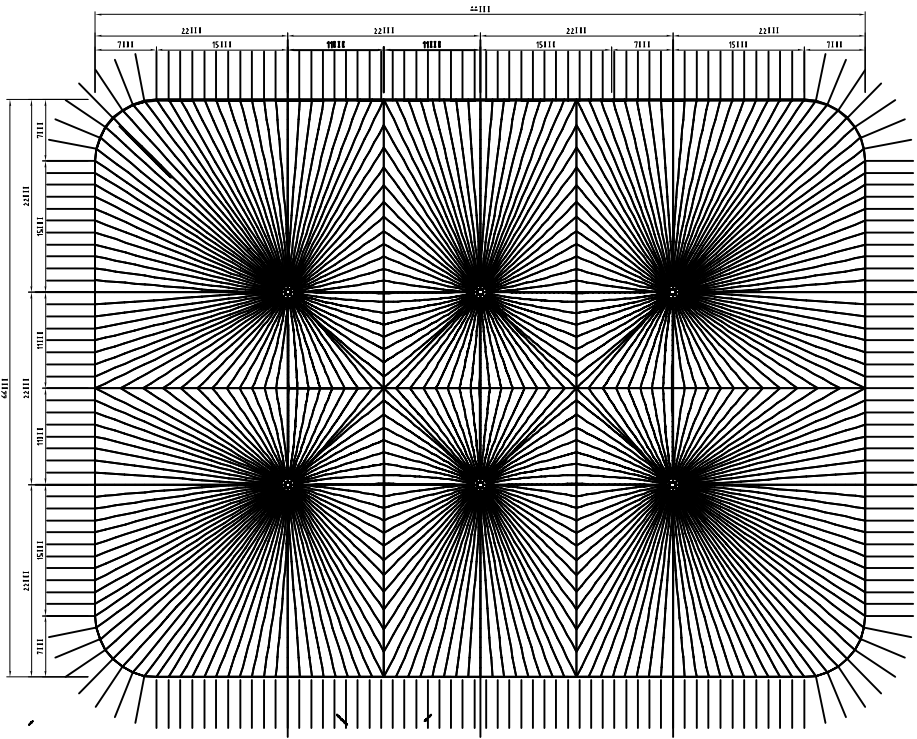


IF IN DOUBT, ASK.



Design copyright © 2007 Space Structures Ltd. Do not scale from this drawing. All dimensions in all drawings unless otherwise stated. Making and fabrication to be undertaken in accordance with the national standards specification. Testing in accordance with Table 1 Appendix Table 2.

DESIGN PARAMETERS - MTA-2

- Performance Criteria
 The structure is designed for the following applied loads:
 Wind load in accordance with British Standard - BS Chapter 4 Part 2 1975. Taking the worst of period of exposure.
 Wind speed = 42 m/s
 Wind load = 12 kN/m²
- No live load has been calculated for this structure
- Large distributed and point loads can be imposed within the structure. Doublet loading should be used for. Load for ball court loading 100 kN/m². Ground conditions may require water table raising, retaining, or anchoring.
- All steel welding in this structure are to be done in accordance with BS Chapter 9 Part 3:1972 and 1. All steel used should be S235JR (S275JR). The steel used in the roof structure should be made in accordance with BS Chapter 9 Part 3:1972 and 1.
- 1/ Factor 1.1 - A top-girder factor to account for deflection and over-stress. The factor of 1.1 is the maximum value - normally 1.2.
- 2/ Factor 1.2 - A factor to account for ground-conditions, building height and size.
 At factor of 1.2 is used for open structures with surface wind speeds, with a structure more than 50m in width or length. (See Table 6, Factor 1.2, p.11)
- 3/ Factor 1.3 - A structural factor. This is taken as 1.25 which is based on the maximum loading. Temporary and subject to a code book to come every 2 years. (See 3.1.5, 3.1.6, 3.1.7, 3.1.8, 3.1.9, 3.1.10, 3.1.11, 3.1.12, 3.1.13, 3.1.14, 3.1.15, 3.1.16, 3.1.17, 3.1.18, 3.1.19, 3.1.20, 3.1.21, 3.1.22, 3.1.23, 3.1.24, 3.1.25, 3.1.26, 3.1.27, 3.1.28, 3.1.29, 3.1.30, 3.1.31, 3.1.32, 3.1.33, 3.1.34, 3.1.35, 3.1.36, 3.1.37, 3.1.38, 3.1.39, 3.1.40, 3.1.41, 3.1.42, 3.1.43, 3.1.44, 3.1.45, 3.1.46, 3.1.47, 3.1.48, 3.1.49, 3.1.50, 3.1.51, 3.1.52, 3.1.53, 3.1.54, 3.1.55, 3.1.56, 3.1.57, 3.1.58, 3.1.59, 3.1.60, 3.1.61, 3.1.62, 3.1.63, 3.1.64, 3.1.65, 3.1.66, 3.1.67, 3.1.68, 3.1.69, 3.1.70, 3.1.71, 3.1.72, 3.1.73, 3.1.74, 3.1.75, 3.1.76, 3.1.77, 3.1.78, 3.1.79, 3.1.80, 3.1.81, 3.1.82, 3.1.83, 3.1.84, 3.1.85, 3.1.86, 3.1.87, 3.1.88, 3.1.89, 3.1.90, 3.1.91, 3.1.92, 3.1.93, 3.1.94, 3.1.95, 3.1.96, 3.1.97, 3.1.98, 3.1.99, 3.1.100, 3.1.101, 3.1.102, 3.1.103, 3.1.104, 3.1.105, 3.1.106, 3.1.107, 3.1.108, 3.1.109, 3.1.110, 3.1.111, 3.1.112, 3.1.113, 3.1.114, 3.1.115, 3.1.116, 3.1.117, 3.1.118, 3.1.119, 3.1.120, 3.1.121, 3.1.122, 3.1.123, 3.1.124, 3.1.125, 3.1.126, 3.1.127, 3.1.128, 3.1.129, 3.1.130, 3.1.131, 3.1.132, 3.1.133, 3.1.134, 3.1.135, 3.1.136, 3.1.137, 3.1.138, 3.1.139, 3.1.140, 3.1.141, 3.1.142, 3.1.143, 3.1.144, 3.1.145, 3.1.146, 3.1.147, 3.1.148, 3.1.149, 3.1.150, 3.1.151, 3.1.152, 3.1.153, 3.1.154, 3.1.155, 3.1.156, 3.1.157, 3.1.158, 3.1.159, 3.1.160, 3.1.161, 3.1.162, 3.1.163, 3.1.164, 3.1.165, 3.1.166, 3.1.167, 3.1.168, 3.1.169, 3.1.170, 3.1.171, 3.1.172, 3.1.173, 3.1.174, 3.1.175, 3.1.176, 3.1.177, 3.1.178, 3.1.179, 3.1.180, 3.1.181, 3.1.182, 3.1.183, 3.1.184, 3.1.185, 3.1.186, 3.1.187, 3.1.188, 3.1.189, 3.1.190, 3.1.191, 3.1.192, 3.1.193, 3.1.194, 3.1.195, 3.1.196, 3.1.197, 3.1.198, 3.1.199, 3.1.200, 3.1.201, 3.1.202, 3.1.203, 3.1.204, 3.1.205, 3.1.206, 3.1.207, 3.1.208, 3.1.209, 3.1.210, 3.1.211, 3.1.212, 3.1.213, 3.1.214, 3.1.215, 3.1.216, 3.1.217, 3.1.218, 3.1.219, 3.1.220, 3.1.221, 3.1.222, 3.1.223, 3.1.224, 3.1.225, 3.1.226, 3.1.227, 3.1.228, 3.1.229, 3.1.230, 3.1.231, 3.1.232, 3.1.233, 3.1.234, 3.1.235, 3.1.236, 3.1.237, 3.1.238, 3.1.239, 3.1.240, 3.1.241, 3.1.242, 3.1.243, 3.1.244, 3.1.245, 3.1.246, 3.1.247, 3.1.248, 3.1.249, 3.1.250, 3.1.251, 3.1.252, 3.1.253, 3.1.254, 3.1.255, 3.1.256, 3.1.257, 3.1.258, 3.1.259, 3.1.260, 3.1.261, 3.1.262, 3.1.263, 3.1.264, 3.1.265, 3.1.266, 3.1.267, 3.1.268, 3.1.269, 3.1.270, 3.1.271, 3.1.272, 3.1.273, 3.1.274, 3.1.275, 3.1.276, 3.1.277, 3.1.278, 3.1.279, 3.1.280, 3.1.281, 3.1.282, 3.1.283, 3.1.284, 3.1.285, 3.1.286, 3.1.287, 3.1.288, 3.1.289, 3.1.290, 3.1.291, 3.1.292, 3.1.293, 3.1.294, 3.1.295, 3.1.296, 3.1.297, 3.1.298, 3.1.299, 3.1.300, 3.1.301, 3.1.302, 3.1.303, 3.1.304, 3.1.305, 3.1.306, 3.1.307, 3.1.308, 3.1.309, 3.1.310, 3.1.311, 3.1.312, 3.1.313, 3.1.314, 3.1.315, 3.1.316, 3.1.317, 3.1.318, 3.1.319, 3.1.320, 3.1.321, 3.1.322, 3.1.323, 3.1.324, 3.1.325, 3.1.326, 3.1.327, 3.1.328, 3.1.329, 3.1.330, 3.1.331, 3.1.332, 3.1.333, 3.1.334, 3.1.335, 3.1.336, 3.1.337, 3.1.338, 3.1.339, 3.1.340, 3.1.341, 3.1.342, 3.1.343, 3.1.344, 3.1.345, 3.1.346, 3.1.347, 3.1.348, 3.1.349, 3.1.350, 3.1.351, 3.1.352, 3.1.353, 3.1.354, 3.1.355, 3.1.356, 3.1.357, 3.1.358, 3.1.359, 3.1.360, 3.1.361, 3.1.362, 3.1.363, 3.1.364, 3.1.365, 3.1.366, 3.1.367, 3.1.368, 3.1.369, 3.1.370, 3.1.371, 3.1.372, 3.1.373, 3.1.374, 3.1.375, 3.1.376, 3.1.377, 3.1.378, 3.1.379, 3.1.380, 3.1.381, 3.1.382, 3.1.383, 3.1.384, 3.1.385, 3.1.386, 3.1.387, 3.1.388, 3.1.389, 3.1.390, 3.1.391, 3.1.392, 3.1.393, 3.1.394, 3.1.395, 3.1.396, 3.1.397, 3.1.398, 3.1.399, 3.1.400, 3.1.401, 3.1.402, 3.1.403, 3.1.404, 3.1.405, 3.1.406, 3.1.407, 3.1.408, 3.1.409, 3.1.410, 3.1.411, 3.1.412, 3.1.413, 3.1.414, 3.1.415, 3.1.416, 3.1.417, 3.1.418, 3.1.419, 3.1.420, 3.1.421, 3.1.422, 3.1.423, 3.1.424, 3.1.425, 3.1.426, 3.1.427, 3.1.428, 3.1.429, 3.1.430, 3.1.431, 3.1.432, 3.1.433, 3.1.434, 3.1.435, 3.1.436, 3.1.437, 3.1.438, 3.1.439, 3.1.440, 3.1.441, 3.1.442, 3.1.443, 3.1.444, 3.1.445, 3.1.446, 3.1.447, 3.1.448, 3.1.449, 3.1.450, 3.1.451, 3.1.452, 3.1.453, 3.1.454, 3.1.455, 3.1.456, 3.1.457, 3.1.458, 3.1.459, 3.1.460, 3.1.461, 3.1.462, 3.1.463, 3.1.464, 3.1.465, 3.1.466, 3.1.467, 3.1.468, 3.1.469, 3.1.470, 3.1.471, 3.1.472, 3.1.473, 3.1.474, 3.1.475, 3.1.476, 3.1.477, 3.1.478, 3.1.479, 3.1.480, 3.1.481, 3.1.482, 3.1.483, 3.1.484, 3.1.485, 3.1.486, 3.1.487, 3.1.488, 3.1.489, 3.1.490, 3.1.491, 3.1.492, 3.1.493, 3.1.494, 3.1.495, 3.1.496, 3.1.497, 3.1.498, 3.1.499, 3.1.500, 3.1.501, 3.1.502, 3.1.503, 3.1.504, 3.1.505, 3.1.506, 3.1.507, 3.1.508, 3.1.509, 3.1.510, 3.1.511, 3.1.512, 3.1.513, 3.1.514, 3.1.515, 3.1.516, 3.1.517, 3.1.518, 3.1.519, 3.1.520, 3.1.521, 3.1.522, 3.1.523, 3.1.524, 3.1.525, 3.1.526, 3.1.527, 3.1.528, 3.1.529, 3.1.530, 3.1.531, 3.1.532, 3.1.533, 3.1.534, 3.1.535, 3.1.536, 3.1.537, 3.1.538, 3.1.539, 3.1.540, 3.1.541, 3.1.542, 3.1.543, 3.1.544, 3.1.545, 3.1.546, 3.1.547, 3.1.548, 3.1.549, 3.1.550, 3.1.551, 3.1.552, 3.1.553, 3.1.554, 3.1.555, 3.1.556, 3.1.557, 3.1.558, 3.1.559, 3.1.560, 3.1.561, 3.1.562, 3.1.563, 3.1.564, 3.1.565, 3.1.566, 3.1.567, 3.1.568, 3.1.569, 3.1.570, 3.1.571, 3.1.572, 3.1.573, 3.1.574, 3.1.575, 3.1.576, 3.1.577, 3.1.578, 3.1.579, 3.1.580, 3.1.581, 3.1.582, 3.1.583, 3.1.584, 3.1.585, 3.1.586, 3.1.587, 3.1.588, 3.1.589, 3.1.590, 3.1.591, 3.1.592, 3.1.593, 3.1.594, 3.1.595, 3.1.596, 3.1.597, 3.1.598, 3.1.599, 3.1.600, 3.1.601, 3.1.602, 3.1.603, 3.1.604, 3.1.605, 3.1.606, 3.1.607, 3.1.608, 3.1.609, 3.1.610, 3.1.611, 3.1.612, 3.1.613, 3.1.614, 3.1.615, 3.1.616, 3.1.617, 3.1.618, 3.1.619, 3.1.620, 3.1.621, 3.1.622, 3.1.623, 3.1.624, 3.1.625, 3.1.626, 3.1.627, 3.1.628, 3.1.629, 3.1.630, 3.1.631, 3.1.632, 3.1.633, 3.1.634, 3.1.635, 3.1.636, 3.1.637, 3.1.638, 3.1.639, 3.1.640, 3.1.641, 3.1.642, 3.1.643, 3.1.644, 3.1.645, 3.1.646, 3.1.647, 3.1.648, 3.1.649, 3.1.650, 3.1.651, 3.1.652, 3.1.653, 3.1.654, 3.1.655, 3.1.656, 3.1.657, 3.1.658, 3.1.659, 3.1.660, 3.1.661, 3.1.662, 3.1.663, 3.1.664, 3.1.665, 3.1.666, 3.1.667, 3.1.668, 3.1.669, 3.1.670, 3.1.671, 3.1.672, 3.1.673, 3.1.674, 3.1.675, 3.1.676, 3.1.677, 3.1.678, 3.1.679, 3.1.680, 3.1.681, 3.1.682, 3.1.683, 3.1.684, 3.1.685, 3.1.686, 3.1.687, 3.1.688, 3.1.689, 3.1.690, 3.1.691, 3.1.692, 3.1.693, 3.1.694, 3.1.695, 3.1.696, 3.1.697, 3.1.698, 3.1.699, 3.1.700, 3.1.701, 3.1.702, 3.1.703, 3.1.704, 3.1.705, 3.1.706, 3.1.707, 3.1.708, 3.1.709, 3.1.710, 3.1.711, 3.1.712, 3.1.713, 3.1.714, 3.1.715, 3.1.716, 3.1.717, 3.1.718, 3.1.719, 3.1.720, 3.1.721, 3.1.722, 3.1.723, 3.1.724, 3.1.725, 3.1.726, 3.1.727, 3.1.728, 3.1.729, 3.1.730, 3.1.731, 3.1.732, 3.1.733, 3.1.734, 3.1.735, 3.1.736, 3.1.737, 3.1.738, 3.1.739, 3.1.740, 3.1.741, 3.1.742, 3.1.743, 3.1.744, 3.1.745, 3.1.746, 3.1.747, 3.1.748, 3.1.749, 3.1.750, 3.1.751, 3.1.752, 3.1.753, 3.1.754, 3.1.755, 3.1.756, 3.1.757, 3.1.758, 3.1.759, 3.1.760, 3.1.761, 3.1.762, 3.1.763, 3.1.764, 3.1.765, 3.1.766, 3.1.767, 3.1.768, 3.1.769, 3.1.770, 3.1.771, 3.1.772, 3.1.773, 3.1.774, 3.1.775, 3.1.776, 3.1.777, 3.1.778, 3.1.779, 3.1.780, 3.1.781, 3.1.782, 3.1.783, 3.1.784, 3.1.785, 3.1.786, 3.1.787, 3.1.788, 3.1.789, 3.1.790, 3.1.791, 3.1.792, 3.1.793, 3.1.794, 3.1.795, 3.1.796, 3.1.797, 3.1.798, 3.1.799, 3.1.800, 3.1.801, 3.1.802, 3.1.803, 3.1.804, 3.1.805, 3.1.806, 3.1.807, 3.1.808, 3.1.809, 3.1.810, 3.1.811, 3.1.812, 3.1.813, 3.1.814, 3.1.815, 3.1.816, 3.1.817, 3.1.818, 3.1.819, 3.1.820, 3.1.821, 3.1.822, 3.1.823, 3.1.824, 3.1.825, 3.1.826, 3.1.827, 3.1.828, 3.1.829, 3.1.830, 3.1.831, 3.1.832, 3.1.833, 3.1.834, 3.1.835, 3.1.836, 3.1.837, 3.1.838, 3.1.839, 3.1.840, 3.1.841, 3.1.842, 3.1.843, 3.1.844, 3.1.845, 3.1.846, 3.1.847, 3.1.848, 3.1.849, 3.1.850, 3.1.851, 3.1.852, 3.1.853, 3.1.854, 3.1.855, 3.1.856, 3.1.857, 3.1.858, 3.1.859, 3.1.860, 3.1.861, 3.1.862, 3.1.863, 3.1.864, 3.1.865, 3.1.866, 3.1.867, 3.1.868, 3.1.869, 3.1.870, 3.1.871, 3.1.872, 3.1.873, 3.1.874, 3.1.875, 3.1.876, 3.1.877, 3.1.878, 3.1.879, 3.1.880, 3.1.881, 3.1.882, 3.1.883, 3.1.884, 3.1.885, 3.1.886, 3.1.887, 3.1.888, 3.1.889, 3.1.890, 3.1.891, 3.1.892, 3.1.893, 3.1.894, 3.1.895, 3.1.896, 3.1.897, 3.1.898, 3.1.899, 3.1.900, 3.1.901, 3.1.902, 3.1.903, 3.1.904, 3.1.905, 3.1.906, 3.1.907, 3.1.908, 3.1.909, 3.1.910, 3.1.911, 3.1.912, 3.1.913, 3.1.914, 3.1.915, 3.1.916, 3.1.917, 3.1.918, 3.1.919, 3.1.920, 3.1.921, 3.1.922, 3.1.923, 3.1.924, 3.1.925, 3.1.926, 3.1.927, 3.1.928, 3.1.929, 3.1.930, 3.1.931, 3.1.932, 3.1.933, 3.1.934, 3.1.935, 3.1.936, 3.1.937, 3.1.938, 3.1.939, 3.1.940, 3.1.941, 3.1.942, 3.1.943, 3.1.944, 3.1.945, 3.1.946, 3.1.947, 3.1.948, 3.1.949, 3.1.950, 3.1.951, 3.1.952, 3.1.953, 3.1.954, 3.1.955, 3.1.956, 3.1.957, 3.1.958, 3.1.959, 3.1.960, 3.1.961, 3.1.962, 3.1.963, 3.1.964, 3.1.965, 3.1.966, 3.1.967, 3.1.968, 3.1.969, 3.1.970, 3.1.971, 3.1.972, 3.1.973, 3.1.974, 3.1.975, 3.1.976, 3.1.977, 3.1.978, 3.1.979, 3.1.980, 3.1.981, 3.1.982, 3.1.983, 3.1.984, 3.1.985, 3.1.986, 3.1.987, 3.1.988, 3.1.989, 3.1.990, 3.1.991, 3.1.992, 3.1.993, 3.1.994, 3.1.995, 3.1.996, 3.1.997, 3.1.998, 3.1.999, 3.2000

DESIGN CRITERIA

1. Snow Factor of High, Low and Medium Exposure: BS 5400:6
 2. FVC on roof in both directions
 3. 5000 point impact force
 4. 5000 point impact
 5. 5000 point impact
 6. 5000 point impact
 7. 5000 point impact
 8. 5000 point impact
 9. 5000 point impact
 10. 5000 point impact
 11. 5000 point impact
 12. 5000 point impact
 13. 5000 point impact
 14. 5000 point impact
 15. 5000 point impact
 16. 5000 point impact
 17. 5000 point impact
 18. 5000 point impact
 19. 5000 point impact
 20. 5000 point impact
 21. 5000 point impact
 22. 5000 point impact
 23. 5000 point impact
 24. 5000 point impact
 25. 5000 point impact
 26. 5000 point impact
 27. 5000 point impact
 28. 5000 point impact
 29. 5000 point impact
 30. 5000 point impact
 31. 5000 point impact
 32. 5000 point impact
 33. 5000 point impact
 34. 5000 point impact
 35. 5000 point impact
 36. 5000 point impact
 37. 5000 point impact
 38. 5000 point impact
 39. 5000 point impact
 40. 5000 point impact
 41. 5000 point impact
 42. 5000 point impact
 43. 5000 point impact
 44. 5000 point impact
 45. 5000 point impact
 46. 5000 point impact
 47. 5000 point impact
 48. 5000 point impact
 49. 5000 point impact
 50. 5000 point impact
 51. 5000 point impact
 52. 5000 point impact
 53. 5000 point impact
 54. 5000 point impact
 55. 5000 point impact
 56. 5000 point impact
 57. 5000 point impact
 58. 5000 point impact
 59. 5000 point impact
 60. 5000 point impact
 61. 5000 point impact
 62. 5000 point impact
 63. 5000 point impact
 64. 5000 point impact
 65. 5000 point impact
 66. 5000 point impact
 67. 5000 point impact
 68. 5000 point impact
 69. 5000 point impact
 70. 5000 point impact
 71. 5000 point impact
 72. 5000 point impact
 73. 5000 point impact
 74. 5000 point impact
 75. 5000 point impact
 76. 5000 point impact
 77. 5000 point impact
 78. 5000 point impact
 79. 5000 point impact
 80. 5000 point impact
 81. 5000 point impact
 82. 5000 point impact
 83. 5000 point impact
 84. 5000 point impact
 85. 5000 point impact
 86. 5000 point impact
 87. 5000 point impact
 88. 5000 point impact
 89. 5000 point impact
 90. 5000 point impact
 91. 5000 point impact
 92. 5000 point impact
 93. 5000 point impact
 94. 5000 point impact
 95. 5000 point impact
 96. 5000 point impact
 97. 5000 point impact
 98. 5000 point impact
 99. 5000 point impact
 100. 5000 point impact

DESIGN CRITERIA

1. Snow Factor of High, Low and Medium Exposure: BS 5400:6
 2. FVC on roof in both directions
 3. 5000 point impact force
 4. 5000 point impact
 5. 5000 point impact
 6. 5000 point impact
 7. 5000 point impact
 8. 5000 point impact
 9. 5000 point impact
 10. 5000 point impact
 11. 5000 point impact
 12. 5000 point impact
 13. 5000 point impact
 14. 5000 point impact
 15. 5000 point impact
 16. 5000 point impact
 17. 5000 point impact
 18. 5000 point impact
 19. 5000 point impact
 20. 5000 point impact
 21. 5000 point impact
 22. 5000 point impact
 23. 5000 point impact
 24. 5000 point impact
 25. 5000 point impact
 26. 5000 point impact
 27. 5000 point impact
 28. 5000 point impact
 29. 5000 point impact
 30. 5000 point impact
 31. 5000 point impact
 32. 5000 point impact
 33. 5000 point impact
 34. 5000 point impact
 35. 5000 point impact
 36. 5000 point impact
 37. 5000 point impact
 38. 5000 point impact
 39. 5000 point impact
 40. 5000 point impact
 41. 5000 point impact
 42. 5000 point impact
 43. 5000 point impact
 44. 5000 point impact
 45. 5000 point impact
 46. 5000 point impact
 47. 5000 point impact
 48. 5000 point impact
 49. 5000 point impact
 50. 5000 point impact
 51. 5000 point impact
 52. 5000 point impact
 53. 5000 point impact
 54. 5000 point impact
 55. 5000 point impact
 56. 5000 point impact
 57. 5000 point impact
 58. 5000 point impact
 59. 5000 point impact
 60. 5000 point impact
 61. 5000 point impact
 62. 5000 point impact
 63. 5000 point impact
 64