

LIST OF REFERENCES

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2. Tomlinson M.J., & Boorman R., (1986), Foundation Design and Construction, pp. 72-75, 322-323
3. BS 8110 (1985), Structural use of concrete, British Standard Institute, London
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5. [http:// www. http://osp.mans.edu.eg/sfoundation/default.htm](http://www.osp.mans.edu.eg/sfoundation/default.htm), Visited 18 February, 2009
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Concrete Section Data used for B D Modeling of Buildings

For 3 m Span Six Storeyed Building

Section Name	Shape	t3 / mm	t2 / mm	tw / mm	t2b / mm	tfb / mm	H / mm
BEAM300	Rectangular	300	225				
COL300	Rectangular	300	300				
COL400	Rectangular	400	400				
GRBEAM	Rectangular	0.4	300				
TEE	Invert T			400	1300	300	1000

For 4 m Span Six Storeyed Building

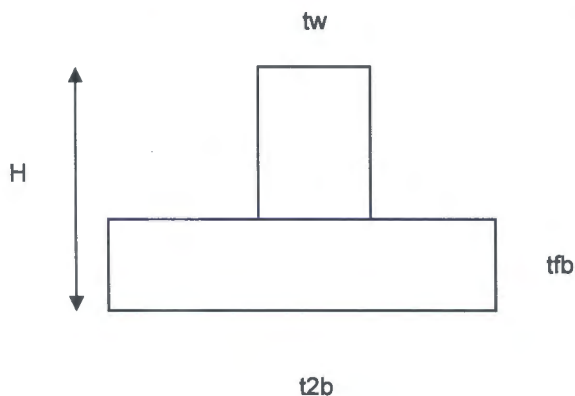
SectionName	Shape	t3 / mm	t2 / mm	tw / mm	t2b / mm	tfb / mm	H / mm
BEAM450	Rectangular	450	250				
COL300	Rectangular	300	300				
COL450	Rectangular	450	450				
GRBEAM	Rectangular	450	400				
TEE-1	Invert T			450	750	300	1000
TEE-2	Invert T			450	1000	300	1200

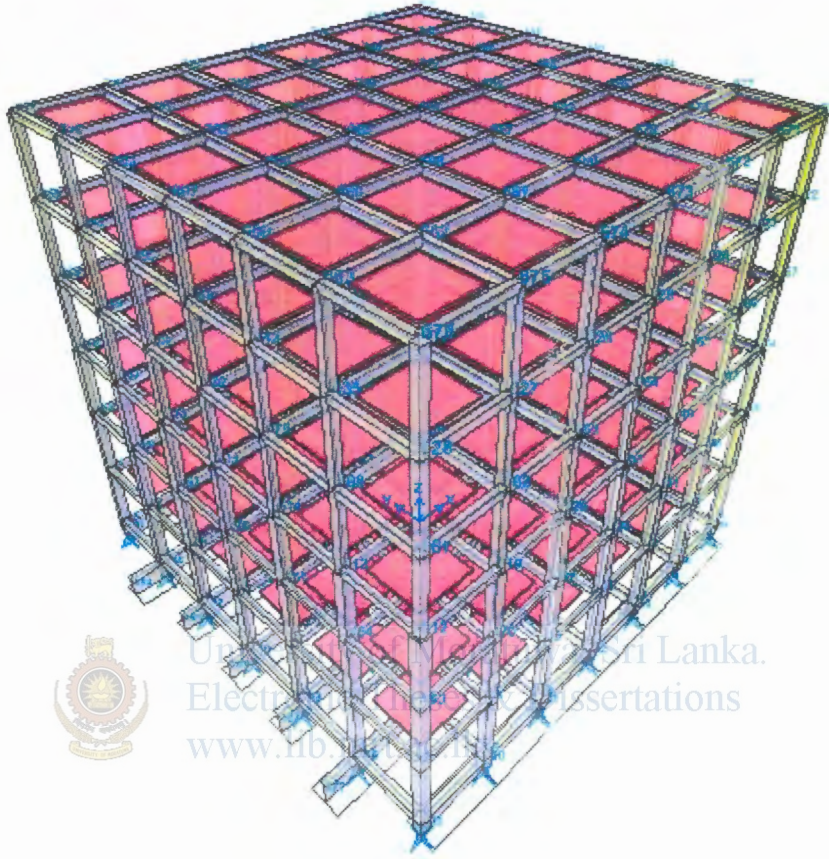
For 5 m Span Six Storeyed Building

SectionName	Shape	t3 / mm	t2 / mm	tw / mm	t2b / mm	tfb / mm	H / mm
BEAM450	Rectangular	450	250				
COL300	Rectangular	300	300				
COL450	Rectangular	450	450				
GRBEAM	Rectangular	450	450				
TEE-1	Invert T			450	1000	400	1000
TEE-2	Invert T			450	1400	400	1200

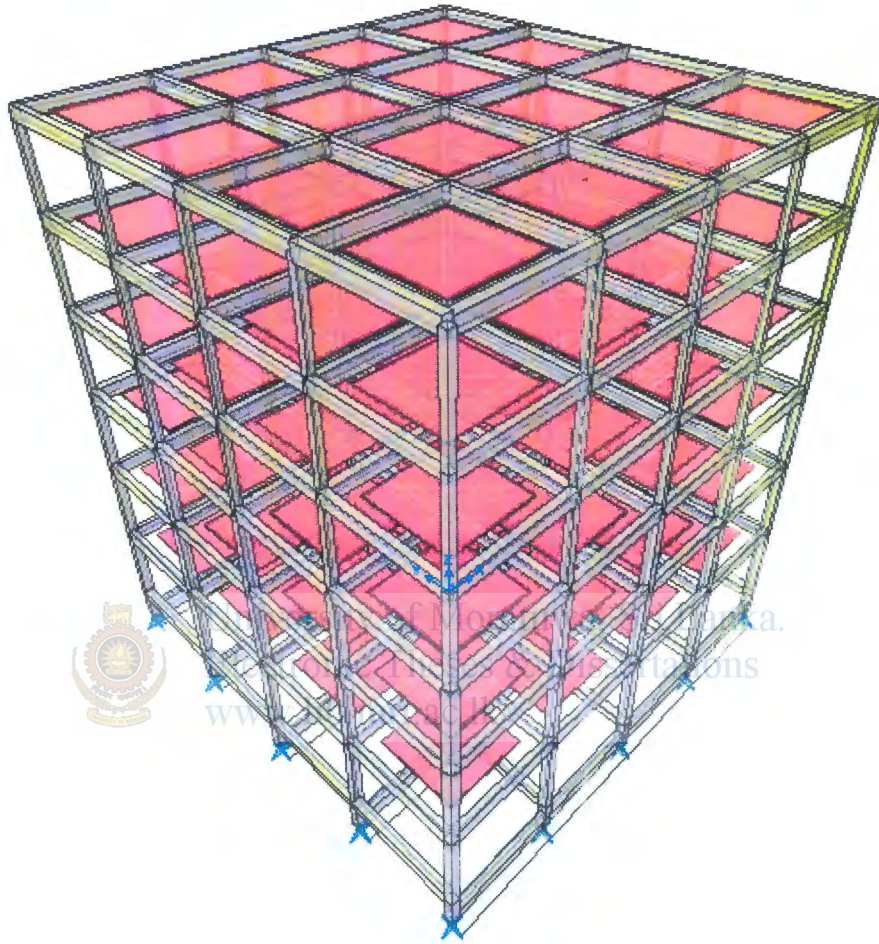
For 8 m Span Six Storeyed Building

SectionName	Shape	t3 / mm	t2 / mm	tw / mm	t2b / mm	tfb / mm	H / mm
BEAM300	Rectangular	300	300				
BEAM600	Rectangular	600	300				
COL450	Rectangular	450	450				
COL500	Rectangular	500	500				
GRBEAM	Rectangular	600	500				
TEE -1	Invert T	1400		500	1400	300	1200
TEE -2	Invert T	2000		500	2000	300	1200

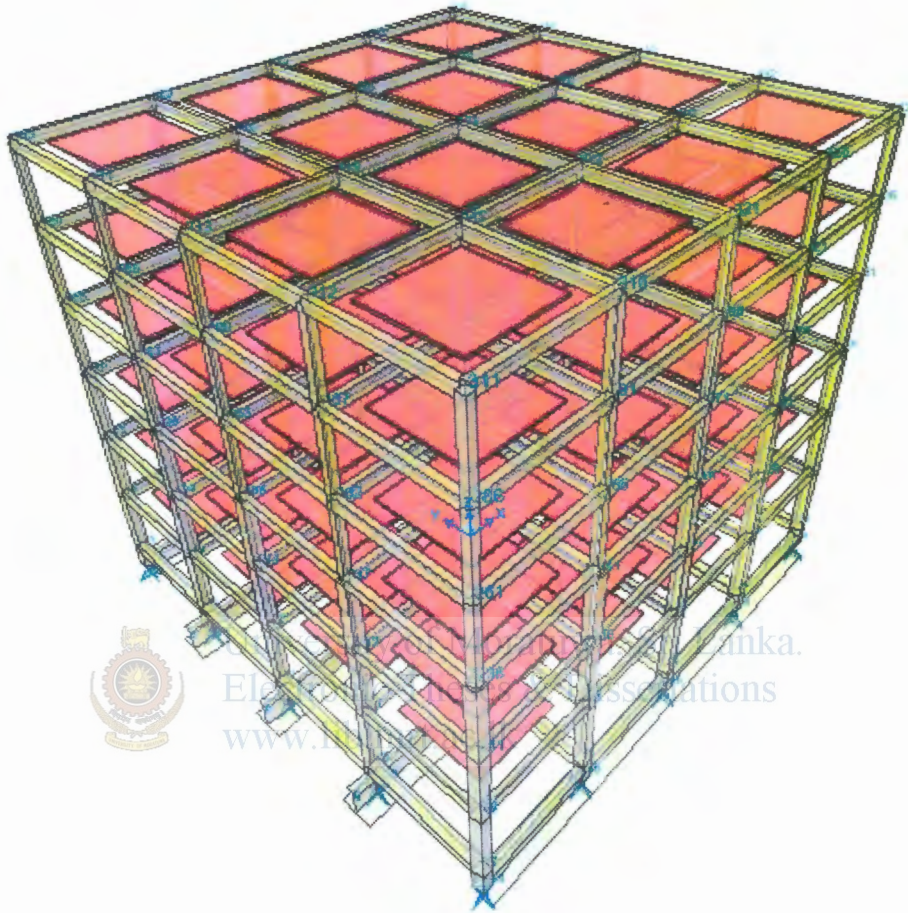




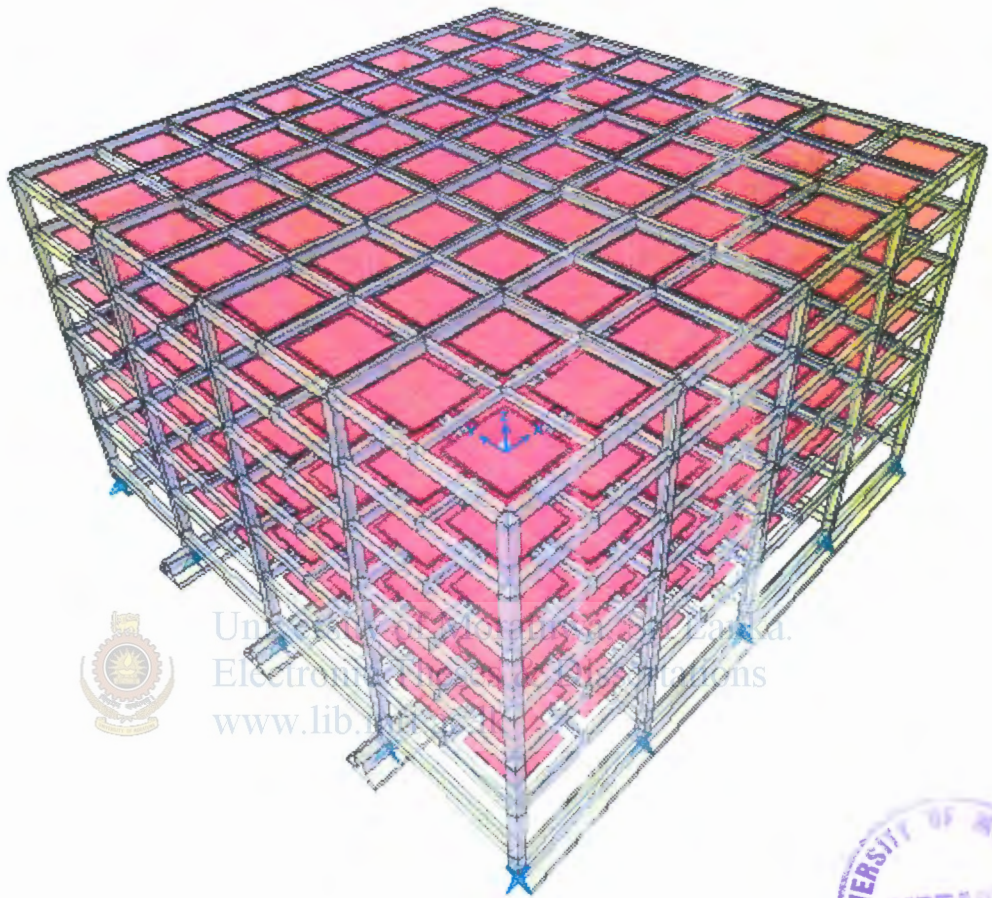
Appendix B, 3 m Span Six Storeyed Building



Appendix C- 4 m Span Six Storeyed Building



Appendix D – 5 m Span Six Storeyed Building



University of Moratuwa
Electronics Engineering Department
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Appendix E – 8 m Span Six Storeyed Building

