## REFERENCES

- TM 5-1300, *The Design of Structures to Resist the Effects of Accidental Explosions*, Technical Manual, US Department of the Army, Navy and Air Force, Washington DC, 1990.
- TM 5- 856-5, Design of Structures to Resist the Effects of Atomic Weapons- Single-Story Frame Building, Technical Manual, Crops of Engineers, US Army.
- Blast Resistance Structures, Design Manual 2.08, Naval Facilities Engineering Command, 200 Stovall Street, Alexandria, Virginia, 1986.
- + Ngo T., Nguyen N. and Mendis P. *An Investigation on the Effectiveness of Blast Walls and Blast-Structure Interaction*, Department of Civil & Environmental Engineering, The university of Melbourne, Australia.
- Dove R., Hamilton J. and Coltharp D. (1989) *Perimeter Walls for Blast Reduction*, Proc. ASCE Specialty Conf. Structures for Enhanced Safety and Physical Security, E. Krauthhammer (Ed.), Arlington Virginia, 1989
- Nozu T., Tanaka R., Ogawa T., Hibi K. and Sakai Y. *Numerical Simulation of Hydrogen Explosion Tests With a Barrier Wall for Blast Mitigation*, Institution of Technology, Shimizu Corporation, Koto-ku, Tokyo, Japan, Science and Technology Section, British Embassy, Chiyoda-Ku, Tokyo, Japan, Department of Mechanical Engineering, Seikei University, Musashino, Tokyo, Japan and Energy Engineering Division, Shimizu Corporation, Minato-Ku, Tokyo, Japan.
- ESL-TR-87-57, *Protective Construction Design Manual*, U.S. Air Force Engineering and Services Center, Tyndall Air Force Base, Florida, 1989.
- Malvar LJ., "Review of Static and Dynamic Properties of Steel Reinforcing Bars", ACI Materials Journal, 95(5), ACI, Detroit, Michigan, pp. 609-616, 1998.
- Mills, C.A., "The design of concrete structure to resist explosions and weapon effects," Proceedings of the 1st Int. Conference on concrete for hazard protections, Edin-burgh, UK, pp. 61-73, 1987.
- 10. Norris, G.H., Hansen, R.J., Holly, M.J., Biggs, M.J., Namyet, S. and Minami, J.K., *Structural design for dynamic loads*, McGraw-Hill, New York, USA. 1959.
- 1. TM 5-855-1, Fundamentals of Protective Design for Conventional Weapons, U.S.

- Department of the Army, Washington DC, 1986.
- 12. Edward, J., et al, (1999), "Structural design for physical security" American Society of Civil Engineering, pp 3/7-3/10.
- 13. Elliot, C. L., Mays, G. C., Smith P. D. (1992), "The protection of buildings against terrorism and disorder", Proc. Instn. Civ. Engrs. Structs & Bldgs, 94, pp 287-297.
- 14. Blast Resistance Design, NAVFAC Design Manual 2.8, Department of the Navy, Naval Facilities Engineering Command, Alexandria, VA 22332, April 1982.
- 15. Methodology Manual for the Single- Degree-of-Freedom Blast Effects Design Spreadsheets, U.S. Army Corps of Engineers, September 2006.
- 16. ACI 318R-2005, Building Code Requirement for Reinforced Concrete, American Concrete Institute, Detroit.
- 17. Design of Concrete Structures, 8<sup>th</sup> Edition, Winter G., Nilson H.A., McGrew-Hill, Inc., 1221 Avenue of the America, New York, 1972.
- 18. DOE/ TIC -11268. A Manual for the Prediction of Blast and Fragment Loads on Structures, U.S. Department of Energy, Washington DC, 1992.
- 19. Dowling, A.R. and Harding, J., "Tensile Properties of Mild Steel under High Strain Rates", Proceedings of the 1st HERF Conf., University of Denver, Colorado, 1967.
- 20. Grote, D., Park, S., and Zhou, M., "Dynamic Behavior of Concrete at High Strain Rates and Pressures", Journal of Impact Engineering, Vol. 25, Pregamon, Press, New York, pp. 869-886, 2001.
- 21. Longinow A, and Mniszewski KR., "Protecting Buildings Against Vehicular Bomb Attacks", Practice Periodicals on Structural Design and Construction, ASCE, New York, pp. 51-54, 1996.
- 22. Mills, C.A., 'The Design of Concrete structures to Resist Explosions and Weapon Effects", Proceedings of the 1<sup>st</sup> Int., Conference on Concrete for hazard protection, Edinburg, UK, pp.61-73, 1987.