

**REVIEW AND CERTIFICATION
FOR
DOD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS
CHECKLIST**

*Instructions: The information outlined in this document shall be used to provide the **minimum** requirement for development of DOD Minimum Antiterrorism Standards for Buildings submittals for all building projects. Additional and supplemental information may be used to further develop the review. Insert N/A after criteria, which may be "not applicable". Provide this checklist with certification signatures in the project Design Analysis at each submittal.*

Applicable Standards: UFC 4-010-01
Chapter 1-2

Project Name: (Fill In Project Name)

Applicability: The DoD Minimum Antiterrorism Standards for Buildings apply to this project.

A. New Construction **This project consists of new construction.**

- Primary Gathering _____
- Billeting _____
- Inhabited _____
- Low Occupancy _____
- Expeditionary _____
- Temporary _____

B. Existing Building _____

Cost exceeds 50% of Replacement Cost _____
Cost less than 50% of Replacement Cost _____

- Primary Gathering _____
- Billeting _____
- Inhabited _____
- Low Occupancy _____
- Expeditionary _____
- Temporary _____

C. Building Addition _____

50% or more of the Gross Area _____
Less than 50% of the Gross Area _____

D. Leased Building _____

- E. Expeditionary & Temporary Structures _____
 - Has Appendix D requirements been incorporated? _____
- F. National Guard Building _____
- G. Tenant Bldgs. on DOD Installations _____
- H. Exempt _____

Site Planning:

1. Standard 1 – Standoff Distance
Appendix B-1.1 & Table B-1
 - Controlled Perimeter or Parking and Roadways w/o Controlled Perimeter
 - Primary Gathering – 148 Feet _____
 - Billeting – 148 Feet _____
 - Inhabited – 82 Feet _____
 - Parking and Roadways within a Controlled Perimeter
 - Primary Gathering – 82 Feet _____
 - Billeting – 82 Feet _____
 - Inhabited – 33 Feet _____
 - Trash Containers
 - Primary Gathering – 82 Feet _____
 - Billeting – 82 Feet _____
 - Inhabited – 33 Feet _____
 - Parking of Emergency, Command, and Operations Support Vehicles
 - Is parking of vehicles required? _____
 - Have the conditions for parking vehicles been met?
 - Parking of Vehicles Undergoing Maintenance
 - Is parking of vehicles required? _____
 - Have the conditions for parking vehicles been met? _____
 - New Parking and Roadway projects
 - Does new parking and road location meet minimum standoff distance requirements from existing buildings? _____
2. Standard 2 – Unobstructed Space
Appendix B-1.2
 - Are there any obstructions within 33 Feet of the building that is 6 inches or greater in height? _____

- Are packages within the 33 foot distance observable by building occupants? _____
 - Is Electrical and Mechanical Equipment 33 Feet or greater from the building? _____
 - Equipment Enclosures:
 - Are walls or screening devices more than two sides? _____
 - If "yes" has a four sided enclosure w/ a top been provided? _____
3. Standard 3 – Drive-Up/Drop-Off Areas
Appendix B-1.3
- Are drive-up or drop-off areas, or drive-through lanes near building required? _____
 - If "yes" are the areas or lanes clearly defined and marked to prevent parking in those areas? _____
 - Are drive-up or drop-off areas, or drive-through lanes not located under inhabited portion of bldg? _____
4. Standard 4 – Access Roads
Appendix B-1.4
- Have access control measures been provided on access roads required for the operation of the building? _____
5. Standard 5 – Parking Beneath Buildings or on Rooftops
Appendix B-1.5 & UFC 4-023-03
- Is parking beneath the building or on roof top required? _____
 - If "yes" has access control Measures been provided? _____
 - Are floors beneath or roofs above inhabited areas designed to prevent progressive collapse? _____
6. Appendix C – Recommended Additional Measures
Appendix C-1.1 thru C-1.10
- Has recommendations 1 thru 10 been considered?
 - 1 – Vehicle Access Points? _____
 - 2 – High-speed Vehicle Approaches? _____
 - 3 – Vantage Points? _____
 - 4 – Drive-up / Drop Off? _____

- 5 – Building Location? _____
- 6 – Railroad Location? _____
- 7 – Access Control for Family Housing? _____
- 8 – Standoff for Family Housing? _____
- 9 – Minimize Secondary Debris? _____
- 10 – Building Separation? _____

Structural:

7. Standard 6 – Progressive Collapse Avoidance
Appendix B-2.1 & UFC 4-023-03

- Is building 3 or more stories?
(NOTE: Basements are considered a story if one or more walls are exposed.) _____
- If “yes” are walls, columns, and floors in accordance with UFC 4-023-03, Design of Buildings to Resist Progressive Collapse? _____

8. Standard 7 – Structural Isolation
Appendix B-2.2

- Is new building addition structural system independent from the adjacent adjacent existing building? _____
- Is inhabited portion of new building structurally independent from the uninhabited portion of the building? _____

9. Standard 8 – Building Overhangs
Appendix B-2.3

- Does building have overhangs with inhabited spaces above them? _____
 - If “yes” insure that there are no roadways or parking areas under the overhangs.
 - If “yes” insure that floors beneath inhabited areas are in accordance with UFC 4-023-03, Design of Buildings to Resist Progressive Collapse.
 - If “yes” insure that superstructure is in accordance with UFC 4-023-03, Design of Buildings to Resist Progressive Collapse.

10. Standard 9 – Exterior Masonry Walls
Appendix B-2.4

- Is masonry wall in new building reinforced

- with required minimum enforcement? _____
- Has mitigating measures been provided for masonry wall in existing building that provides an equivalent level of protection? _____

11. Appendix C – Recommended Additional Measures
Appendix C-2.1

- Has recommendation 11 been considered? _____
- 11 – Structural Redundant? _____

12. Other Structural Requirements

- Has structural requirements related to windows been considered?
(See Architectural Standard 10)
 - Yes _____
 - No _____

Architectural:

13. Standard 10 – Windows and Skylights
Appendix B-3.1 & UFC 4-011-02

- Has required thickness of exterior glazing be determined using Tables B-2 & B-3? _____
- Do window frames, anchorages, and supporting elements meet required minimum level of protection for the following? _____
 - Frame Member Design
 - Glazing Frame Bite
 - Frame Connection to Wall
 - Supporting Structural Elements

14. Standard 11 – Building Entrance Layout
Appendix B-3.2

- Does building main entrance face away from the installation perimeter or other uncontrolled vantage point? _____
 - If “no” provide means to screen Lines of site.

15. Standard 12 – Exterior Doors
Appendix B-3.3

- Do all exterior doors from inhabited areas open outwards? _____
- Does glazing in doors meet Provisions of Standard 10 above? _____

16. Standard 13 – Mailrooms
Appendix B-3.4 & B-4.2

- Is mailroom located on the exterior perimeter of the building? _____
- Is mailroom located as far away from heavily populated areas as possible? _____
- Is mailroom sealed between its envelope and other portions of the building in which it is located? _____
 - Does mailroom have a hard ceiling or does mailroom walls extend full height and are sealed to underside of structure above? _____
 - Does mailroom door have weather stripping on all four edges? _____

17. Standard 14 – Roof Access
Appendix B-3.5

- Are external roof access points controlled? _____

18. Standard 15 – Overhead Mounted Architectural Features
Appendix B-3.6

- Are overhead mounted features weighing 31 lbs. or more mounted to minimize falling and injuring building occupants? _____
- Are these items mounted to resist forces of 0.5 times the component weight in any direction and 1.5 times the component weight in the downward direction? _____

19. Appendix C – Recommended Additional Measures
Appendix C-2.2 thru C-2.7

- Has recommendations 12 thru 17 been considered?
 - 12 – Internal Circulation? _____
 - 13 – Visitor Control? _____
 - 14 – Asset Location? _____
 - 15 – Room Layout? _____
 - 16 – External Hallways? _____
 - 17 – Windows? _____

Mechanical and Electrical:

20. Standard 16 – Air Intakes
Appendix B-4.1

- Are all air intakes a minimum of 10 feet above the ground? _____

21. Standard 17 – Mailroom Ventilation
Appendix B-4.2 & DOD Security Engineering Design Manual

- Does mailroom have separate dedicated air ventilation system? _____
- Is dedicated exhaust system to maintain slight negative air pressure provided? _____
- Has outside air intakes and exhausts With low leakage isolation dampers been provided? _____
- Has separate switches or methods of control to isolate mailroom been provided? _____

22. Standard 18 – Emergency Air Distribution Shutoff
Appendix B-4.3

- Has Emergency shutoff switch in HVAC control system been provided? _____
- Is switch(es) easily accessible to building occupants? _____

23. Standard 19 – Utility Distribution and Installation
Appendix B-4.4

- Are critical or fragile utilities routed so they are not located on exterior walls or on walls shared with mailrooms? _____
- If redundant utilities are required are they routed so they are not collocated or are not run in same chases? _____
- If emergency backup systems are required are they located away from the system components for which they provide backup? _____

24. Standard 20 – Equipment Bracing
Appendix B-4.5

- Are overhead mounted features weighing 31 lbs. or more located to minimize falling and injuring building occupants? _____

- Are these items mounted to resist forces of 0.5 times the component weight in any direction and 1.5 times the component weight in the downward direction? _____

25. Standard 21 – Under Building Access
Appendix B-4.6

- Are accesses to crawl spaces, utility tunnels, and other means of under building access controlled? _____

26. Standard 22 – Mass Notification
Appendix B-4.7 & UFC 4-021-01

- Has a mass notification system been provided in the new building? _____

If required the design must comply with Standard 22. The MNS must integrate with existing Base MNS. Point of Contact: Provost Marshal Office, Physical Security Section, Mr. Zack parks at (910) 451-5810.

- Has a mass notification system been provided in existing primary gathering, billeting, and high occupancy family housing buildings? _____

If required the design must comply with Standard 22. The MNS must integrate with existing Base MNS. Point of Contact: Provost Marshal Office, Physical Security Section, Mr. Zack parks at (910) 451-5810.

Certification of Force Protection Requirements

Preparers of this document certify the accuracy and completeness of the Antiterrorism Force Protection features for this project in accordance with the attached completed form(s).

This Review and Certification for DoD Minimum Antiterrorism Standards for Buildings Checklist was completed on the following date:

INTERIM or PRELIMINARY DESIGN
(Fill In Project Name)

**Architect-Engineer
Certification of Antiterrorism Standards
(Note: Edit the team members if necessary)**

**Preparers of this document certify the accuracy and completeness of the
Antiterrorism Force Protection features of this project.**

Civil Engineer of Record:

Signature

Date

Architect of Record:

Signature

Date

Structural Engineer of Record:

Signature

Date

Mechanical Engineer of Record:

Signature

Date

Electrical Engineer of Record:

Signature

Date

**CAMP LEJEUNE, NORTH CAROLINA
ANTITERRORISM STANDARDS REVIEW
for
(Fill in Project Name)**

INTERIM or PRELIMINARY DESIGN

Review and Certification for Minimum Antiterrorism Standards for Buildings Checklist has been completed and is attached. The Antiterrorism Force Protection review, and related design analysis documentation have been checked and approved by the in-house design team.

Project Design Team Leader Signature

Date

Antiterrorism Force Protection Team:

Civil Team Member Signature

Date

Architectural Team Member Signature

Date

Structural Team Member Signature

Date

Mechanical Team Member Signature

Date

Electrical Team Member Signature

Date

**CAMP LEJEUNE, NORTH CAROLINA
ANTITERRORISM STANDARDS REVIEW
for
(Fill in Project Name)
FINAL DESIGN**

The project specific **Review and Certification for Minimum Antiterrorism Standards for Buildings Checklist** has been completed and is attached. The construction contract plans, specifications, and related design analysis documentation have been checked and approved for accuracy and coordination.

Project Design Team Leader Signature

Date

Camp Lejeune Antiterrorism Officer Signature:

Date