



TERRITORY OF GUAM
OFFICE OF THE GOVERNOR
AGAÑA, GUAM 96910
U. S. A.

EXECUTIVE ORDER NO. 2001-04

**RELATIVE TO ESTABLISHING A GUAM BUILDING
CODE STANDARD FOR CERTIFICATION OF FULLY
CONCRETE BUILDINGS AND TYPHOON SHUTTERS.**

WHEREAS, Executive Order No. 96-01 was promulgated to provide a mechanism for single-family homeowners to additionally benefit from reduction in insurance premiums from their efforts in mitigating the damages from typhoons to their dwellings by building fully concrete homes and installing typhoon shutters; and

WHEREAS, Sections 28 and 29 of Chapter IV of Public Law No. 23-128 and further amendments provided further insurance building code clarifications; and

WHEREAS, Supertyphoon Paka crossed the island in December of 1997 and proved the ability of fully concrete dwellings with typhoon shutters to survive the forces of Supertyphoons; and

WHEREAS, §66119 of Title 21, Guam Code Annotated, provides for standards, in addition to the National Codes, for the specific purpose of accommodating circumstances and materials which affect the energy, efficiency, and construction costs of single-family dwellings; and

WHEREAS, the Director of Public Works provided for inclusion in the Certificate of Occupancy, as authorized in §66203, as specifically amended in Section 28 of Chapter IV of in Public Law No. 23-128, whether the structure is a fully concrete building installed with typhoon shutters and has also provided specific application, plan review process, and building inspections procedures to determine compliance for new building certifications or retrofit construction certification; and

WHEREAS, the issuance of Certificates of Occupancy indicating that a building is fully concrete and has typhoon shutters installed subject to conditions, standards, and materials will permit homeowners, if they so desire, to reduce their costs of typhoon insurance; and

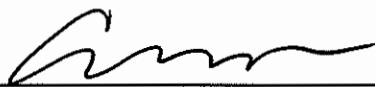
WHEREAS, the cost of typhoon insurance amounts to approximately 50% of the premium, or perhaps as much as 8% of the homeowner's monthly housing cost, and this savings addressed in this initiative would not only provide financial relief to current homeowners but would be a factor with new families entering the housing market;

NOW, THEREFORE, I, CARL T.C. GUTIERREZ, I Maga'Lahen Guåhan, Governor of Guam, by virtue of the authority vested in me by the Organic Act of Guam, as amended, do order:



1. **Standards for manufacture of typhoon shutters.** The Metro-Dade County approved standards for manufacture of typhoon shutters are established as the Guam Standard for typhoon shutters.
2. **Certificate of Occupancy as certification of compliance with standard.** The attached Certificate of Occupancy form is approved for certification by the appropriate Building Official after proper determination of compliance with this standard.
3. **Checklist for approval of typhoon shutters.** The attached checklist for approval of typhoon shutters indicates the necessary conformance for the Guam Building Code Standards.
4. **Listing of companies offering products and services in compliance with standards.** Any company on Guam that desires to have its products and services placed on a list of certifiable providers of typhoon shutters shall conform their products and services to the Guam Building Code Standards and shall apply to the Director of Public Works.
5. **Dissemination of information concerning standards.** The President of the Guam Housing Corporation and the Director of the Department of Revenue and Taxation shall ensure that information concerning the Guam Standard for typhoon shutters to the insurance companies, financial institutions, and homeowners.

SIGNED AND PROMULGATED at Hagåtña, Guam this 31st day of January, 2001.



CARL T. C. GUTIERREZ
I Maga'Lahen Guåhan
Governor of Guam

OFFICE OF BUILDING PERMITS & INSPECTION
**TERRITORY OF GUAM BUILDING PERMIT
CERTIFICATE OF OCCUPANCY**

This Certificate issued pursuant to the requirements of 21 GCA Chapter 66 and P.L. 24-59, Building Law, Government Code of Guam, Certifying that at the time of issuance this Structure was in compliance with the various codes and regulating building construction or use.

**CONTRACTOR
LICENSE NO.:**

DATE:

APPLICANT:

PERMIT NO.:

MAILING ADDRESS:

PERMIT TO:

LOCATION:

TYPE OF PERMIT:

**MAXIMUM PERMISSIBLE
LIVE LOAD PER FLOOR:**

**PURPOSE FOR WHICH BUILDING OR
STRUCTURE WILL BE USED:**

**MAXIMUM NUMBER OF OCCUPANTS
IN BUILDING:**

NUMBER OF FLOORS (STORY):

BLOCK NO.:

LOT NO.:

ZONING DISTRICT:

DIMENSIONS OF BUILDING:

**TYPE:
LOT SIZE:**

**USE GROUP:
VALUATION:**

FOUNDATION:

| | | |
|---|---|--|
| <input type="checkbox"/> Fully Concrete Dwelling | <input type="checkbox"/> Semi Concrete Dwelling | <input type="checkbox"/> Non Concrete Dwelling |
| <input type="checkbox"/> Total Number of openings | <input type="checkbox"/> Number of openings where shutters were installed | |
| <input type="checkbox"/> Aluminum Panel type shutters | <input type="checkbox"/> Galvanized Steel panel type shutters | |
| <input type="checkbox"/> Aluminum Accordion shutters | <input type="checkbox"/> Aluminum Folding shutters | |
| <input type="checkbox"/> Aluminum Roll down shutters | <input type="checkbox"/> Other: _____ | |

Shutters were installed in a workmanlike manner according to industry accepted standards.

OWNER SIGNATURE: _____ **OWNER ADDRESS:** _____

NAME: _____

BUILDING OFFICIAL:

CHECK LIST FOR APPROVAL OF: SHUTTERS.

- Application completely filled out confirming that applicant is the manufacturer.
 - Filing fee of nonrefundable (US) \$2100 in the form of a check made out by the manufacturer. See fee schedule on application form.
 - A signed, sealed and dated statement form from a Florida Registered Engineer that the product conforms to the current South Florida Building Code sections 2809.6 & 3513.
- The following current laboratory tests and test reports of each item witnessed signed, dated and sealed by a Florida Registered Professional Engineer:
- Impact test per PA 201-94. Report deflection, penetration & rupture.
 - Uniform Static Air test per PA202-94. Report deflection & recovery.
 - Cyclic test per PA203-94. Report deflection & recovery.
 - Test verifying structural properties of materials used.
- One set of manufacturer's design drawings marked and verified by the testing laboratory.
 - Video of tests 201, 202 & 203 marked with laboratory's name, manufacturer's name & the test number.
 - Calculations for anchoring method of shutter assembly to the structure.
 - Certified inspection report from mill supplying the panel material including:
 - a) Chemical composition
 - b) Structural properties, i.e., (Fu, Fy, E & Elongation.)
 - 2 copies of the manufacturer's design drawing that should match the specimen tested, showing:
 - a) All components indicating: dimensions, material grade, thickness, etc.
 - b) Installation details indicating: panel layouts and all mounting arrangements.
 - c) Anchors and fasteners used to secure the unit to each substrate indicating: type, size, spacing and minimum embedment.
 - d) Maximum shutter span, minimum distance from glass and location of marking.