

**REPUBLIC OF THE PHILIPPINES
BATANGAS CITY**

OFFICE OF THE SANGGUNIANG PANLUNGSOD

**EXCERPT FROM THE MINUTES OF THE REGULAR SESSION HELD BY THE
MEMBERS OF THE SANGGUNIANG PANLUNGSOD OF BATANGAS CITY
ON APRIL 18, 2023 AT THE SAMPAGUITA FARM,
SAMPAGA, BATANGAS CITY**

PRESENT:

Hon. Alyssa Renee A. Cruz,	Presiding Officer
Hon. Hamilton G. Blanco,	Councilor
Hon. Karlos Emmanjuel A. Buted,	”
Hon. Andrea Loise F. Macaraig,	”
Hon. Nestor E. Dimacuha,	”
Hon. Oliver Z. Macatangay,	”
Hon. Armando C. Lazarte,	”
Hon. Nelson J. Chavez,	”
Hon. Jose Jonash Luis F. Tolentino,	”
Hon. Zester Carlo M. Hernandez,	”
Hon. Isidra “Ched” M. Atienza,	”
Hon. Lorenzo A. Gamboa, Jr.,	”
Hon. Michael C. Villena,	”
Hon. Marjorie A. Manalo,	(SK-Rep.)
Hon. Angelito Dondon A. Dimacuha,	(ABC-Rep.)

“On motion of Councilor Gamboa seconded by Councilor Lazarte, the following Resolution was Adopted:

RESOLUTION NO. 22-170 S. 2023

**A RESOLUTION URGING ALL CONCERNED ESTABLISHMENTS, PRIVATE OR
PUBLIC, TO COMPLY WITH THE INSTALLATION OF EARTHQUAKE
RECORDING INSTRUMENTATION (ERI) FOR BUILDINGS AS PRESCRIBED IN
THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP) AND THE
NATIONAL BUILDING CODE OF THE PHILIPPINES**

WHEREAS, Section 102 of P.D. 1096 otherwise known as the National Building Code of the Philippines declared that it is the policy of the State to safeguard life, health, property, and public welfare, consistent with the principles of sound environment management and control; and to this end, to provide for all buildings and structures, a framework of minimum standards and requirements to regulate and control their location, site, design, quality of materials, construction, use, occupancy, and maintenance;

WHEREAS, Section 105.2 of the National Structural Code of the Philippines (NSCP) states that every building in Seismic Zone 4 over 50 m in height shall be provided with not less than three (3) approved recording accelerographs;

WHEREAS, through the Department of Public Works and Highways (DPWH) Memorandum Circular No. 01 S. 2015, “Guidelines and Implementing Rules on Earthquake Recording Instrumentation for Buildings” approved by the same was adopted as part of the IRR of the National Building Code of the Philippines, which provides information and specifications and uses of earthquake recording instruments for building as provided in Section 105.2 of the National Structural Code of the Philippines (NSCP);

Continuation of Resolution No. 22-170 S. 2023

A RESOLUTION URGING ALL CONCERNED ESTABLISHMENTS, PRIVATE OR PUBLIC, TO COMPLY WITH THE INSTALLATION OF EARTHQUAKE RECORDING INSTRUMENTATION (ERI) FOR BUILDINGS AS PRESCRIBED IN THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP) AND THE NATIONAL BUILDING CODE OF THE PHILIPPINES

WHEREAS, Section 17 of the Batangas City Integrated Zoning Ordinance of 2019 states that all zones shall conform to the applicable minimum requirements of existing laws, codes and regulations such as, but not limited to PD 1096 or the National Building Code of the Philippines and other relevant guidelines promulgated by the national agencies concerned;

WHEREAS, the installation of Earthquake Recording Instrumentation for Buildings were developed primarily to safeguard lives, to improve understanding of the behavior and potential damage of building under dynamic load of earthquakes and to build a baseline data for validating the seismic design parameters used during and future structural design to support earthquake disaster mitigation effort of the country;

NOW, THEREFORE, BE IT RESOLVED, as it is hereby resolved by the Sangguniang Panlungsod in session assembled to urge all concerned establishments, private or public, to comply with the installation of Earthquake Recording Instrumentation (ERI) for Buildings as prescribed in the National Structural Code of the Philippines (NSCP) and the National Building Code of the Philippines.

RESOLVED FURTHER, to provide the City Engineer’s Office a copy of this Resolution.

UNANIMOUSLY APPROVED.”

AUTHORS : COUN. LORENZO A. GAMBOA, JR.
COUN. ARMANDO C. LAZARTE

I hereby certify that the foregoing Resolution No. 22-170 S. 2023 was approved by the Sangguniang Panlungsod of Batangas City during its Regular Session held on April 18, 2023.


ATTY. OLIVA D. TELEGATOS
Secretary

ATTESTED:


ATTY. ALYSSA RENEE A. CRUZ
Presiding Officer

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Republic of the Philippines
Province of Batangas
Batangas City
SANGGUNIANG PANLUNGSOD

**JOINT COMMITTEES ON ENGINEERING AND PUBLIC WORKS, FIRE AND RISK REDUCTION
AND ON PEACE AND ORDER AND PUBLIC SAFETY**

COMMITTEE REPORT

SUBJECT: INSTALLATION OF EARTHQUAKE RECORDING INSTRUMENTS (ERI) AS PRESCRIBED IN SECTION 105.2 OF THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP) AND SECTION 102 OF P.D. 1096, OTHERWISE KNOWN AS THE NATIONAL BUILDING CODE OF THE PHILIPPINES

BACKGROUND

Councilor Armando C. Lazarte raised the issue of compliance to the Memorandum Circular o1 Series of 2015 from the Department of Public Works and Highways (DPWH) regarding the guidelines and Implementing Rules on Earthquake Recording Instrumentation for Buildings during Privileged Hour of the Regular Session of the Sangguniang Panlungsod of Batangas on February 23, 2023 and subsequently referred to the Joint Committees on Engineering and Public Works, Fire and Risk Reduction and on Peace and Order and Public Safety thru Resolution No.22-90 S. 2023.

The Committee Hearing regarding the subject matter conducted by the aforementioned Joint Committees last Tuesday, April 11, 2023 at 10:00 in the morning was presided by the Hon. Lorenzo A. Gamboa, Jr., Chairman of the Committee on Engineering and Public Works and Committee on Fire and Risk Reduction. Also in present were: Coun. Armando Lazarte - Chairman, Committee on Peace and Order and Public Safety; Coun. Nestor Dimacuha; Coun. Isidra Atienza; Coun. Nelson Chavez; SK Fed. Pres. Marjorie Manalo; Coun. Oliver Macatangay; Coun. Jose Jonash Luis Tolentino; Coun. Hamilton Blanco; ABC Pres. Angelito Dondon Dimacuha; Coun. Zester Carlo Hernandez; Coun. Andrea Loise Macaraig; Coun. Michael Villena; Vice Mayor Alyssa Renee Cruz; Engr. Paul Calpito and Arch. Anna Ceniza from the City Engineer's Office (CEO; representatives from Terra Korea; and, representatives from various concerned establishments and companies situated in the territorial jurisdiction of Batangas City.

DISCUSSIONS AND OBSERVATIONS

An overview was given by Engr. Paul Calpito from the CEO and the resource person from Terra Korea gave an introduction of the usage of Accelerograph.

According to Engr. Calpito, the Installation of Earthquake Recording Instrumentation (ERI) on Buildings was prescribed in Section 105.2 National Building Code of the Philippines and in Section 102 of the National Structural Code of the Philippines (NSCP), the Guidelines and Implementing Rules was issued by the DPWH in their Memorandum Circular No. 01 Series of 2015 in order to support earthquake disaster mitigation efforts of the country. It is in this regard that the waiver stated in NSCP 2010 to wit: *"Unless waived by the building official, every building in Seismic Zone 4 over fifty (50) meters in height shall be provided with not less than three (3) approved recording Accelerograph."*, was temporarily suspended. Further, he disclosed that the CEO had already notified thru a letter, all concerned establishments and companies for their compliance since 2018, but since we had been in distress due to succession of various emergencies, from Taal Volcano Eruption to COVID-19 pandemic, the implementation was delayed.



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During the discussion, it was established that an Accelerograph is a device not to prevent or predict earthquake but to record actual dynamic behavior of structures under earthquake loading, measure earthquake source, transmitted ground motions structural response and to provide immediate alarm annunciation to ensure safety of the building occupants when an evacuation is needed. The data recorded will primarily be used to evaluate design and construction practices as well as serve as a basis for the government's earthquake disaster mitigation and rehabilitation strategies.

The Installation of ERI in buildings as prescribed by the guidelines shall form part of the requirements of the Annual Certificate of Inspection for existing buildings and shall be a requirement prior to the issuance of Certificate of Occupancy.

In Batangas City, only Lyceum of the Philippines and SM Batangas City are compliant to ERI installation. During the discussion, it was observed that although they have Accelerograph installed in their buildings, they were not fully aware on the protocols concerning the submission of recorded data to the DPWH stated in the Guidelines and Implementing Rules on Earthquake Recording Instrumentation for Buildings under VII Data Retrieval and Interpretation which states that immediately after the occurrence of magnitude 6 earthquake or greater, the building owner shall retrieve the data and have it interpreted by a Certified Civil or Structural Engineer, copies of which shall be submitted accordingly to DPWH for storage and evaluation.

RECOMMENDATIONS

In accordance to the proceedings and based on the observations and discussions during the Committee Hearing, the Joint Committees on Engineering and Public Works, Fire and Risk Reduction and on Peace and Order and Public Safety propose following recommendations:

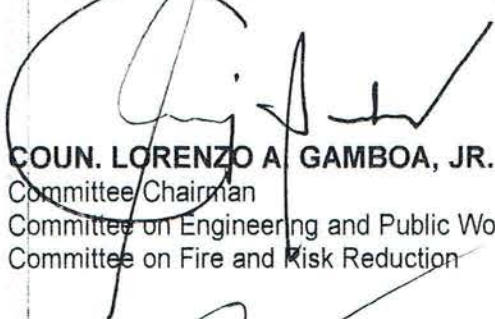
1. The adoption of this Committee Report; and
2. The approval of the Resolution hereto attached.



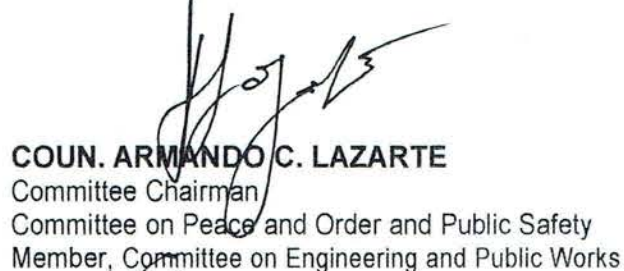
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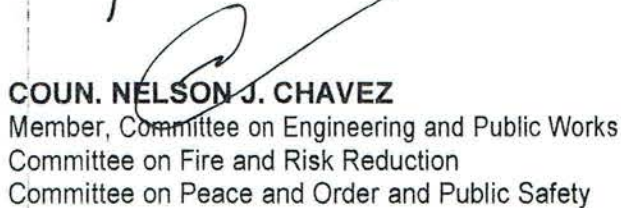
Respectfully submitted this 18th day of April, 2023.



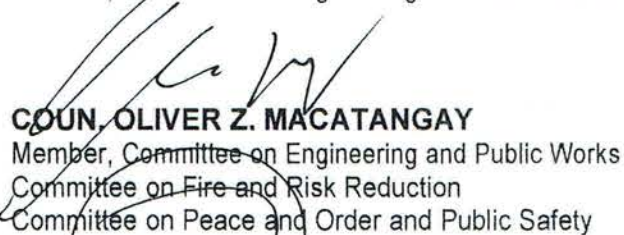
COUN. LORENZO A. GAMBOA, JR.
Committee Chairman
Committee on Engineering and Public Works
Committee on Fire and Risk Reduction



COUN. ARMANDO C. LAZARTE
Committee Chairman
Committee on Peace and Order and Public Safety
Member, Committee on Engineering and Public Works



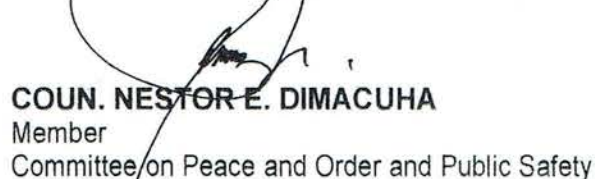
COUN. NELSON J. CHAVEZ
Member, Committee on Engineering and Public Works
Committee on Fire and Risk Reduction
Committee on Peace and Order and Public Safety



COUN. OLIVER Z. MACATANGAY
Member, Committee on Engineering and Public Works
Committee on Fire and Risk Reduction
Committee on Peace and Order and Public Safety



COUN. HAMILTON G. BLANCO
Member
Committee on Fire and Risk Reduction



COUN. NESTOR E. DIMACUHA
Member
Committee on Peace and Order and Public Safety



COUN. ZESTER CARLO M. HERNANDEZ
Member
Committee on Fire and Risk Reduction



COUN. JOSE JONASH LUIS F. TOLENTINO
Member
Committee on Peace and Order and Public Safety