



**ASSOCIATION OF STRUCTURAL ENGINEERS OF THE PHILIPPINES**  
**OFFICE of the ASEP REGIONAL COORDINATOR In COORDINATION with**  
**The PHILIPPINE INSTITUTE OF CIVIL ENGINEERS CAGAYAN Chapter**



JUL 30 2024  
 4:31 pm  
 Jaqueline

July 30, 2024

**THE CITY MAYOR**  
**THRU THE OFFICE OF THE SANGGUNIANG PANGLUNGSOD**  
**TUGUEGARAO CITY HALL**  
 Enrile Boulevard, Tuguegarao City

**OFFICE OF THE CITY MAYOR**  
**RECEIVED**  
 Date: JUL 30 2024  
 Time: 4:40 PM  
 By: [Signature]

**Dear Sir/Madam:**

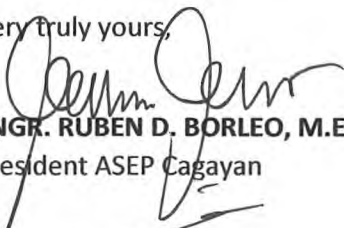
It has been observed by our two Professional Engineering Organizations, namely, the **Association of Structural Engineers of the Philippines** and the **Philippine Institute of Civil Engineers**, that several buildings and structures in the city of Tuguegarao [and some nearby municipalities] had either collapsed or damaged **due to inadequate designs** as gleaned from our structural evaluations from the past and also this current year.

It is alarming that while there's the availability of powerful Structural Design Softwares that supposedly assist practicing design engineers in the complex design calculations, we found out in our evaluations that the designers were young, who apparently need more training, used **un-updated design specs** and **encoded the wrong inputs** (as we all know the "garbage in, garbage out" principle applies to all computer applications). The grave mistakes that were committed resulted in design errors that mainly caused **damaged buildings and structures**. Some of these structures had totally collapsed, some impending to collapse, and some had to be demolished and need to be retrofitted even at the early stage of construction. In any of the cases, they are very difficult and very expensive to mitigate the structural deficiencies. On the other hand they are dangerous to the public.


In this connection, we would like to bring the matter into to the hands of this august body praying for possible legislative and administrative solutions to back up professionalism and **address these design impediments** that had been going on in Tuguegarao city for years.

Thank you and best regards.

Very truly yours,

  
**ENGR. RUBEN D. BORLEO, M.Eng'g.**  
 President ASEP Cagayan

  
**ENGR. ARTHUR IBANEZ, Ph.D.**  
 ASEAN ENGINEER  
 ASEP Regional Coordinator

  
**ENGR. EMER Y. QUEZON, Ph.D.**  
 President PICE Cagayan Chapter