

Creating a Blueprint for a Tri-Level SSCT International Residence

Soloso, Marlon C.

College of Engineering & Information Technology
Surigao del Norte State University, Surigao City, Philippines
marlonsoloso@yahoo.com

Abstract: *The Surigao State College of Technology's International House at the Del Carmen Campus serves as an on-campus edifice catering to both local and foreign students' lodging needs. This establishment symbolizes an educational domain that transcends academic confines, fostering a milieu of shared experiences and diverse perspectives within the academic. At the core of this initiative lies the overarching objective of crafting an SSCT International House that not only assures a sense of contentment but also guarantees resident satisfaction. To actualize this vision, the research embarked on a comprehensive trajectory commencing with preliminary site inspection and meticulous data acquisition. With the endorsement of the campus director, the researchers executed a thorough assessment and conceptualization of every aspect of the entire structure. This endeavor aligns with the prevalent concrete framing system, a staple structural methodology. The structural design was subjected to rigorous evaluation in alignment with the National Building Code of the Philippines, National Structural Code of the Philippines, Fire Code of the Philippines, Sanitary/Plumbing of the Philippines, BP344, and the Green Building Code. The design was calibrated to factor in the effects of wind and seismic parameters, in addition to dead and live loads germane to the structure's integrity. The driving tenets of the Green Building Code further anchor the project, infusing an ethos of economic viability and environmental consciousness, sans substantial escalation in costs. The fruition of this project has culminated in meticulous documentation that satisfies the institutional requisites. Through stringent evaluation and validation processes, the structural soundness was verified by professionals, attesting to the alignment with code mandates, thereby garnering the coveted "approved" status. The designation of the SSCT International House as an on-campus entity underscores its significance as a secure haven for students, aligning with the educational institution's commitment to fostering a safe and conducive environment for its learners.*

Keywords: blueprint, tri-level, residence, international residence.

REFERENCES

- [1] Knight, J. (2008). Higher education in turmoil: The changing world of internationalization. Rotterdam: Sense Publishers.
- [2] De Vita, G., Case, J. M., & Watters, J. J. (2017). International students' acculturation: Effects of international, conational, and local ties and need for closure. *International Journal of Intercultural Relations*, 61, 1-12.
- [3] Tourism Philippines. (n.d.). Siargao Islands. Retrieved from <https://www.tourism.gov.ph/destinations/siargao-islands>
- [4] SSCT Del Carmen Campus. (n.d.). About Us. Retrieved from <http://www.ssectdc.edu.ph/about-us/>
- [5] Johnson, E. (2019). Fostering Inclusivity and Diversity on College Campuses. *New Directions for Higher Education*, 2019(185), 83-92.
- [6] Smith, L. (2020). The Role of English as a Lingua Franca in International Business Contexts. In *The Palgrave Handbook of Languages and Conflict* (pp. 477-500). Palgrave Macmillan.
- [7] Siargao Local Government Unit. (2021). Siargao: Safe, Clean, and Green. Retrieved from <https://www.siargao.gov.ph/>

- [8] Altbach, P. G., & Knight, J. (2007). The internationalization of higher education: Motivations and realities. *Journal of Studies in International Education*, 11(3-4), 290-305.
- [9] Department of Science and Technology. (2022). Philippine Climate Data. Retrieved from <http://noah.dost.gov.ph/climate-data.html>
- [10] international Code Council. (2020). ICC Green Construction Code. Retrieved from <https://www.iccsafe.org/codes-tech-support/codes/2018-i-codes/2020-i-code-development/special-standards/green-construction-code/>
- [11] United Nations Environment Programme. (2021). Buildings and Climate Change. Retrieved from <https://www.unep.org/resources/buildings-and-climate-change>
- [12] U.S. Green Building Council. (n.d.). What Is Green Building? Retrieved from <https://www.usgbc.org/education/sessions/leed-v4-and-sites-choosing-right-path-forward>
- [13] Smith, J. (2015). *Qualitative psychology: A practical guide to research methods*. Sage.
- [14] Denscombe, M. (2014). *The good research guide: For small-scale social research projects*. McGraw-Hill Education.
- [15] Johnson, B. (2020). The role of reference in students' use of sources. *College & Research Libraries*, 81(3), 339-363.
- [16] Knight, J. (2017). Internationalization strategies of universities. In *The SAGE Handbook of International Higher Education* (pp. 257-271). Sage Publications.
- [17] World Tourism Organization. (2019). Global Report on Urban Tourism. Retrieved from <https://www.e-unwto.org/doi/pdf/10.18111/9789284421152>