































	Potential of Container Housing in the Philippines
Introduction Methodology Foreign Examples of Container	To better gauge the performance of the conceptual container housing unit in comparison with the conventional MRH unit, a color-coding system is used wherein:
Housing Conventional MRH in the Philippines	GREEN shall signify that the conceptual unit performs better in that category than that of the conventional unit;
Conceptual Container	YELLOW shall mean that their performance are relatively equal; and
Comparative Analysis	RED shall mean that the container housing unit has a lower performance or requires additional intervention in order to perform as well as that of the conventional unit.
Conclusions and Recommendations	



	Potential of Container Housing in the Philippines		
Introduction	CATEGORY: THERMAL COMFORT	CONVENTIONAL MEDIUM-RISE HOUSING UNIT	CONTAINER HOUSING UNIT
Foreign Examples of Container Housing	Insulation Methods	no insulation applied	requires insulation applied on walls foreign contractors (Tampa Armature Works) sprayed Supertherm Insulative Coating to
Conventional MRH in the Philippines			handle both heating and cooling loads • for local contractors, ODD Cubes Inc. used double walls with fiberclass insulation while
Conceptual Container			the apartment owned by Mr. Alfonso used double walls with foam insulation
Comparative Analysis	Natural Ventilation Issues	promotes cross- ventilation	• in the case of the apartment of Mr. Alfonso, units on the 2 nd floor are usually ventilated naturally.
Conclusions and Becommendations		ME	possible reasons could be the intervention done on the site (i.e.vegetation)



	Poter	tial of Container Ho	using in the Philippines
Introduction Methodology	CATEGORY: TENTATIVE CONSTRUCTION COST	CONVENTIONAL MEDIUM-RISE HOUSING UNIT	CONTAINER HOUSING UNIT
Foreign Examples of Container Housing Conventional MRH in the Philippines Conceptual Container Housing Unit		* as of May 31, 2004, units are priced at Php 227,000,00 to Php 469,350.00	ODD Cubes Inc. sells a livable unit at Php360,000 For on site construction: Mr. Allonso bought 20' Class C containers for Php 39,000.00 therefore, the 2-20' container for the prototype unit would cost Php 78,000.00 A spriced by ODD Cubes Inc., each ferestration on the melora the prototype
Comparative Analysis			doors would cost Php 60,000.00 • That would leave Php 89,000-Php 331,350 for all the other alterations (i.e. double walls, utilities, insulation (inches, etc.)

	Potential of Container Housing in the Philippines	
Introduction Methodology Foreign Examples of Container Housing	Engineering Details	•for a 5-storey building, the 2 housing types exhibit similar characteristics • Container housing units need to be elevated above ground not only for flood reasons but also to keep ground moisture from corroding the material
Conventional MRH in the Philippines	Thermal Comfort	while both may be insulated by the same means (i.e. foam insulation), the conventional unit do not actually need this insulation while the container housing unit requires it
Conceptual Container Housing Unit Comparative	Alteration Issues	the container housing unit have the option to be pre-fabricated for a faster, more exact, and cheaper construction (for mass production)
Analysis Conclusions and Recommendations	Tentative Construction Cost	the container housing unit may be constructed for the same cost as that of the conventional housing unit

	Potential of Container Housing in the Philippines
Introduction	Based on the parameters used, Container
Methodology	Housing is feasible for Low-Cost Housing in the Philippines or at least, it performs as well as a
Foreign Examples of Container Housing	Conventional MRH.
Conventional MRH in the Philippines	However, it is recommended that further studies be made, particularly in gauging the actual performance of the unit through the construction
Conceptual Container	of a prototype unit.
Housing Unit	Also, further studies are needed with regards
Comparative Analysis	to how receptive local regulations are to this type of construction as well as to what rules and regulations are needed for this particular
Conclusions and Recommendations	type of construction.

