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GREEN BUILDING & DESIGN
JULY/AUGUST 2011

GREEN MUSEUMS SERIES

EXHIBITION

PART I: LIGHT, P. 48

CONTAINER ARCHITECTURE

Signaling a shift in the architectural and design world toward more simplistic—but no less innovative—building blocks, repurposed shipping containers have emerged as the new darlings of firms worldwide. Virtually indestructible, affordable, design-friendly, and environmentally conscious, what's not to love? We salute some of the most arresting manifestations of this alternative form of architecture, from a VIP music lounge to a hybrid clinic/library to a single-family residence.



VOODOO MUSIC AND ART FESTIVAL DECK & VIP LOUNGE

New Orleans

A shipping container project for the 2009 and 2010 Voodoo Music and Art Festival in New Orleans stole the show with its ingenious design scheme. Instead of building a grand stand from traditional scaffolding, Stefan Beese of RE:BE Design used six 40-foot-long shipping containers to create a large viewing deck and a VIP lounge area with concession stands at the bottom of the structure. Two cantilevered top containers, spanning nine feet on each side, housed two bars and a balcony. This area was created to provide a prime elevated viewing platform for festival visitors. Each container was perforated with cut outs—spelling “voodoo”—to create different viewpoints and service area openings. In addition, the structure's large openings became signage for the event itself. In 2010 the container structure was improved with the addition of a 10-foot ADA lift leading up to the top deck. Festival visitors were able to enjoy performances by the likes of Ozzy Osborne, Muse, and My Morning Jacket from the elevated deck, cantilevered balconies, and ottomans inside the bottom container lounge, which created a club-like atmosphere. The containers will continue to be reused in a similar layout and will provide storage space during the year until the next installation. *Background Photo: Melissa Carrier. Rendering: Stefan Beese.*

DESIGN

Stefan Beese,
RE:BE Design
Seyavash Zohoori,
3D Design

CLIENT

2009 and 2010 Voodoo
Music Experience—
Rehage Entertainment Inc.

PROJECT EXECUTION & CONTAINER CONSTRUCTION

Reed Ingram and Bev Inc.

CONTAINER BUILD OUT

Revitalizion.LLC

OPERATION & SERVICES

Bev Inc.

LIGHTING

See-Hear Productions Inc.





CONTAINER

Batu, Indonesia

As its name implies, the Container project is an entertaining array of containers. Designed by dpavilion architects of Surabaya, Indonesia, the colorful containers—painted in shades of yellow, blue, and light green—is a public facility housing both a polyclinic and a library for the town of Batu. Containers were selected as the primary construction element because of their practical and affordable qualities. Being hollow blocks with standardized sizes also made containers an appealing choice since they allowed for more daring design implementations. On a more symbolic note, the fact that the containers had traveled around the globe also made it a more alluring choice for a library. The designers celebrate the containers' dynamic form through a twisted, non-linear composition, enhanced with supporting columns placed incongruently.

ARCHITECT

dpavilion architects

COMPLETION DATE

2008

CLIENT

Ronny Sendjojo

SITE AREA

7,500 square feet

PROJECT TEAM

Khamawardhana Heksa
Putera, Edwin Nafarin,
Kartika Ciputera

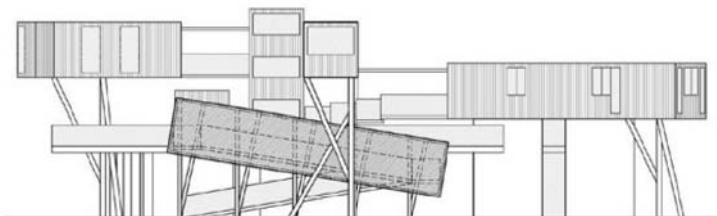
STRUCTURAL

ENGINEER

Junaedi Masil & Associate

WEBSITE

dpavilionarchitects.com



REDONDO BEACH CONTAINER HOME

Redondo Beach, California

This single-family home, designed by DeMaria Design Associates Inc., redefines California cool with a seemingly simple structure composed of eight repurposed cargo containers of varying lengths. The recycled containers serve as the building block for this award-winning custom home, which also weaves together materials and methods from other industries: Airplane hangar doors lead to an underground swimming pool—also made out of a cargo container—in the courtyard. The building employs conventional stick frame construction and prefab assemblies to create a truly hybrid, environmentally responsible, and affordable home. With virtually indestructible containers, ceramic-based insulation borrowed from NASA, prefabricated metal roof panels, formaldehyde-free plywood, and tankless hot-water heaters, the home represents an exciting direction for the future of architecture. In fact, the project inspired a new residential product line called Packaged Architecture that launched in 2008.

ARCHITECT

Peter DeMaria, AIA

AWARDS

2007 AIA Honor Award
for Design Excellence /
Special Innovation

COMPLETION DATE

2007

BUILDER

Westmont Construction /
DeMaria Construction

PHOTOGRAPHY

Andre Movsesyan

WEBSITE

demariadesign.com

