Breakthrough in Cube Utilization for Global Logistics

Dave McCulloch

CEO, Packaging Systems Division - SSI SCHAEFER

INNOVATIVE SOLUTIONS
SSI SCHÄFER

The latest, GLOBAL innovation from SSI SCHAEFER.

By Land or By Sea

COMING SOON COMING SOON COMING SOON

CONTINUE ➔

Global Presence

55 subsidiaries
across 5 continents

10 production plants
worldwide

8,600 employees

North-America
*USA
Canada

Europe
*Germany	France	Latvia	Norway	Swit-	**Czech Republic***
Belgium	Great Britain	Lithuania	**Austria***	zerland	Turkey
Denmark	Iceland	Luxembourg	Poland	Slovakia	Ukraine
Estonia	Italy	Russia	Romania	Slovenia	Hungary
Finland	Croatia	The Netherlands	Sweden	Spain	Cyprus

Asia
Singapore	Myanmar
Malaysia*	Pakistan
China*	Philippines
Bangladesh	South Korea
Brunei	Sri Lanka
Hong Kong	Taiwan
India	Thailand
Indonesia	Vietnam
Mauritius	

Middle East
United Arab Emirates
Kingdom of Bahrain
Kingdom of Saudi Arabia
Jordan
Kuwait
Oman
Qatar

Central/South America
Argentina
Brazil
Chile
Colombia
Mexico
Peru

Africa
South Africa

Australia

New Zealand

Schaefer Systems - North America

Headquarters: Charlotte, NC (1989)

- Automated Systems Division (ASD)
- Packaging Systems Division (PSD)
- Integrated Standard Solutions (ISS)
- Waste Technology Division (WTD)

Warehouse Automation

Reusable Packaging

Integrated Storage

Waste Technology

Territory Map

David McCulloch
- CEO - Packaging Systems Division
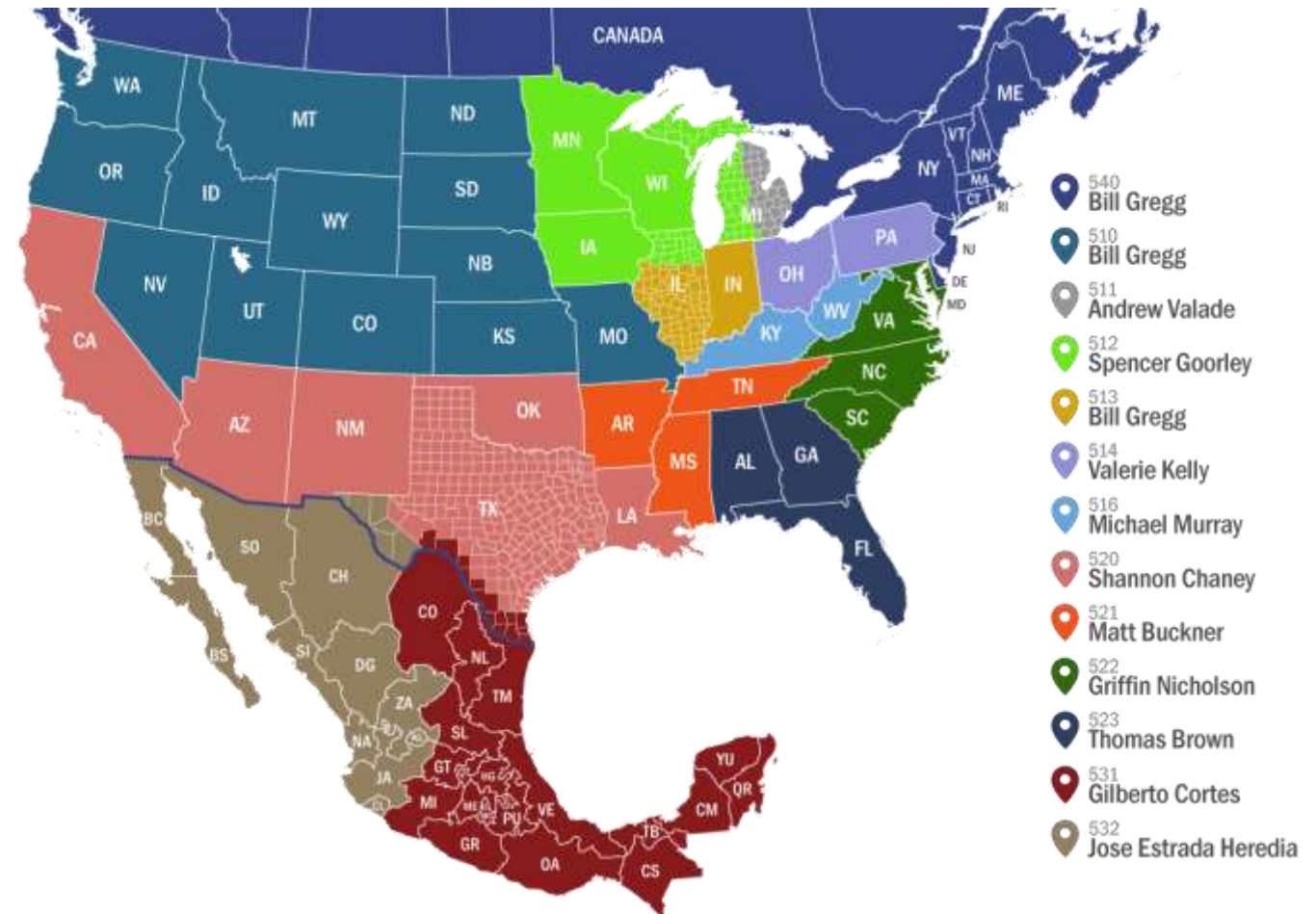
Andy Schumacher
- Director of Sales

Bill Gregg
- Northern Regional Manager

Shannon Chaney
- Southern Regional Manager

Alex Berthely
- Mexico Regional Manager

540 Bill Gregg
510 Bill Gregg
511 Andrew Valade
512 Spencer Goorley
513 Bill Gregg
514 Valerie Kelly
516 Michael Murray
520 Shannon Chaney
521 Matt Buckner
522 Griffin Nicholson
523 Thomas Brown
531 Gilberto Cortes
532 Jose Estrada Heredia

Market Analysis

The State of Global Logistics

- Increase in intercontinental logistics
    ▸ Rail, Tractor, and Sea
    ▸ Falling trade barriers

Market Analysis

The State of Global Logistics

- Various footprint standards

  ▸ AIAG (North America)

  ▸ VDA (Europe)

  ▸ Asia

- After completing an analysis of many containers in the market today made throughout the world, we found that existing bulk containers optimize cube utilization in either a sea container **or** a tractor trailer **but not both**.
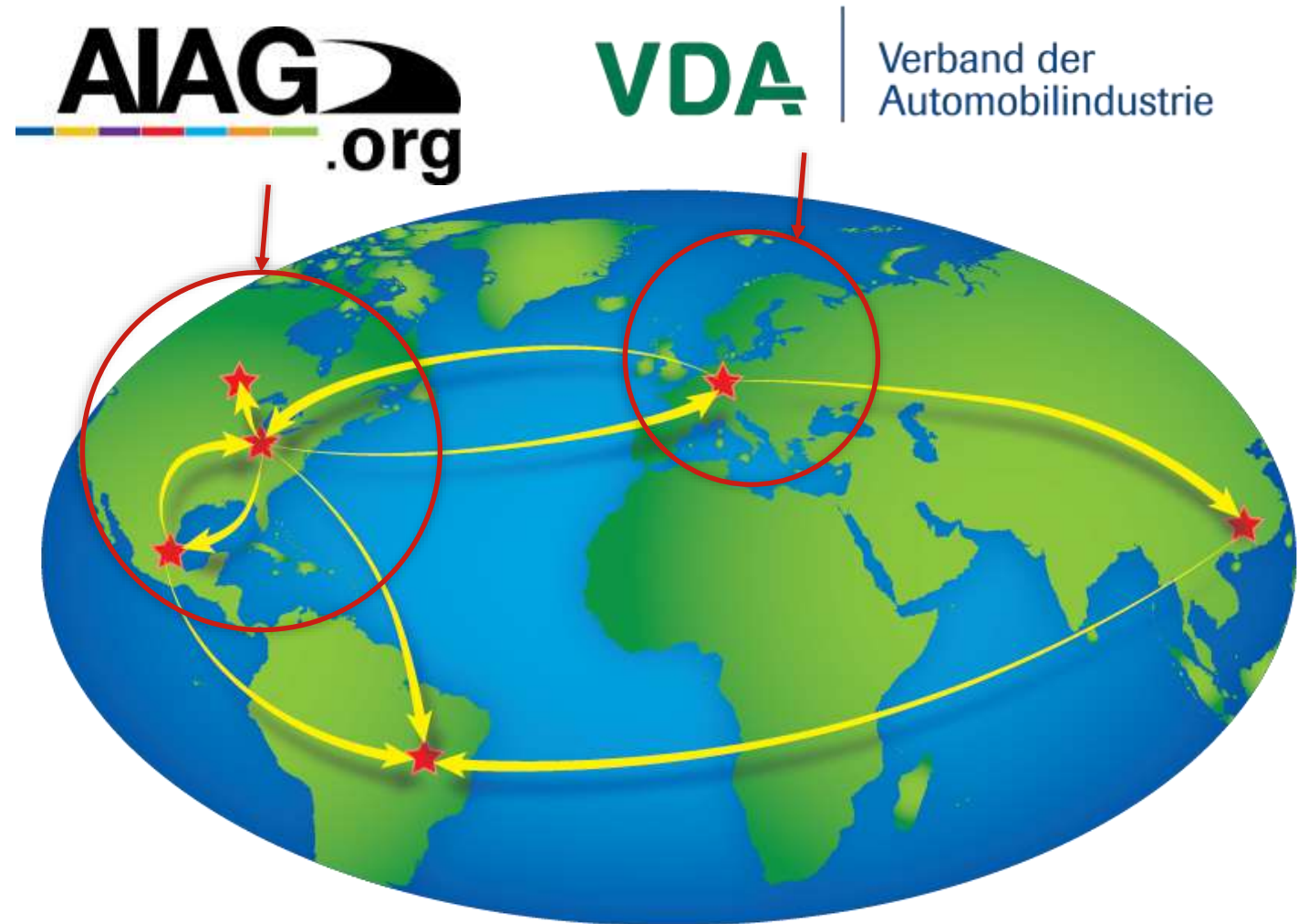
Cube Analysis:
Example #1

- Footprint: **1140 x 980mm**
- 40' Sea Container: **97%**
- 53' Tractor Trailer: **90%**
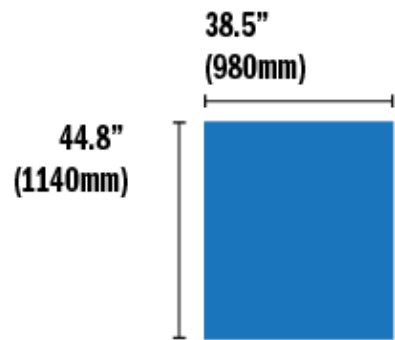
Cube Analysis: Example #2

- Footprint: **1200 x 1000mm**
- 40' Sea Container: **87%**
- 53' Tractor Trailer: **90%**

EuroTruck

44' 7"
(13600mm)

96"
(2450mm)

93%
FULL
26 Units

39.3"
(1000mm)

47.2"
(1200mm)

Sea Container

39' 6"
(12014mm)

92"
(2336mm)

87.3%
FULL
20 Units

Tractor Trailer

53'
(15976mm)

102"
(2590mm)

90.7%
FULL
30 Units
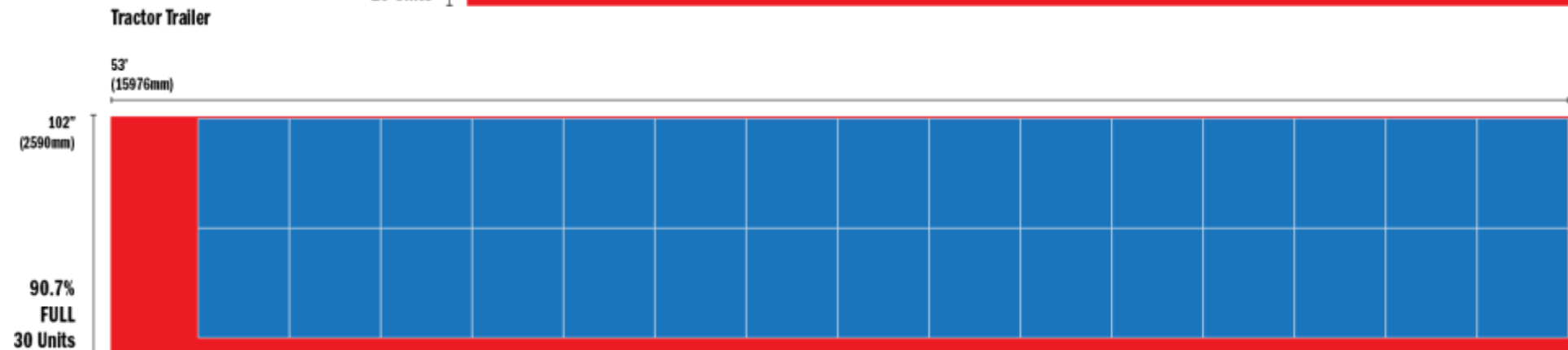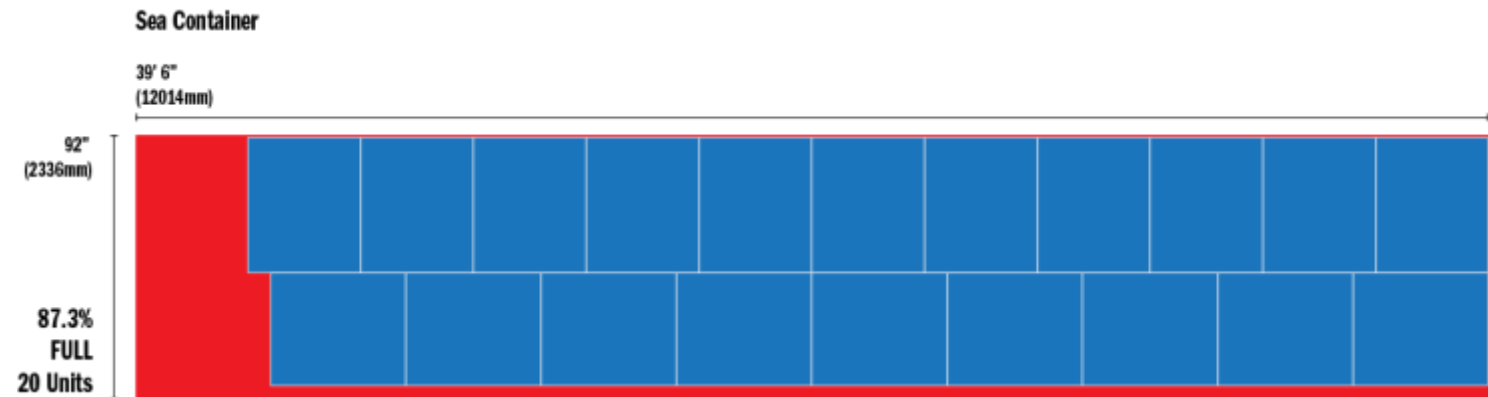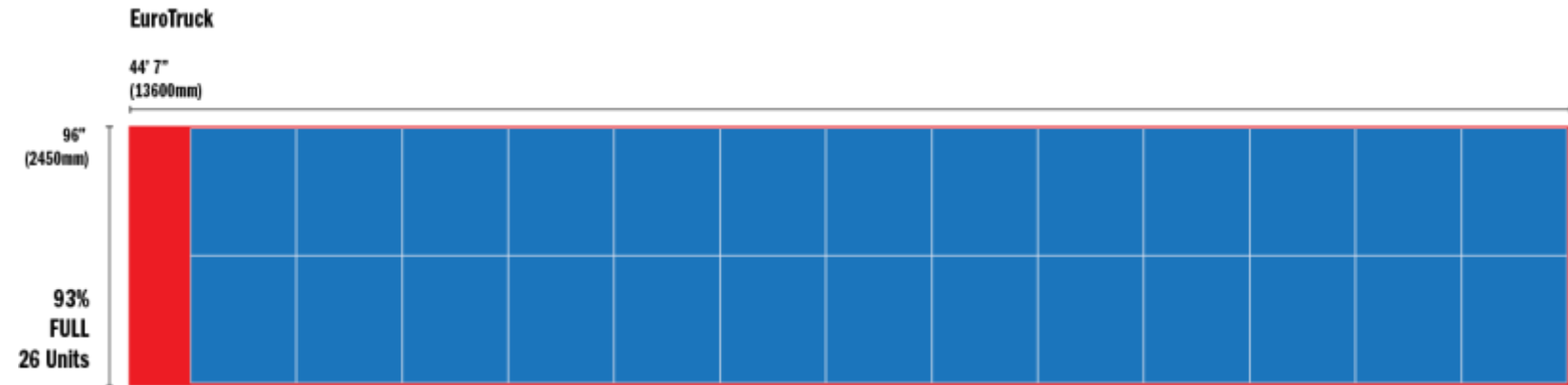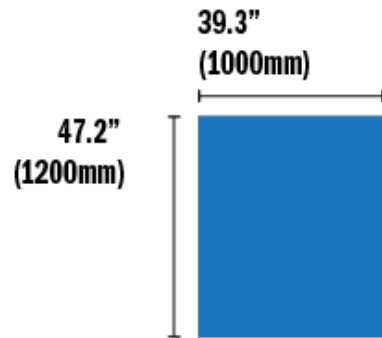
Cube Analysis:
Example #3

- Footprint: **1190 x 1140mm**
- 40' Sea Container: **96%**
- 53' Tractor Trailer: **90%**
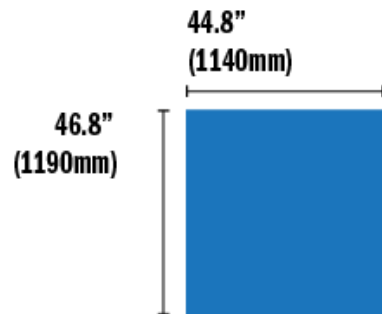
Cube Analysis:
Example #4

- Footprint: **1200 x 800mm**
- 40' Sea Container: **85%**
- 53' Tractor Trailer: **73%**
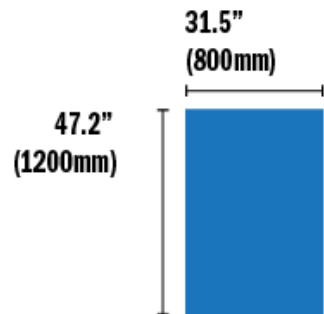
The latest, GLOBAL innovation from SSI SCHAEFER.

By Land or By Sea
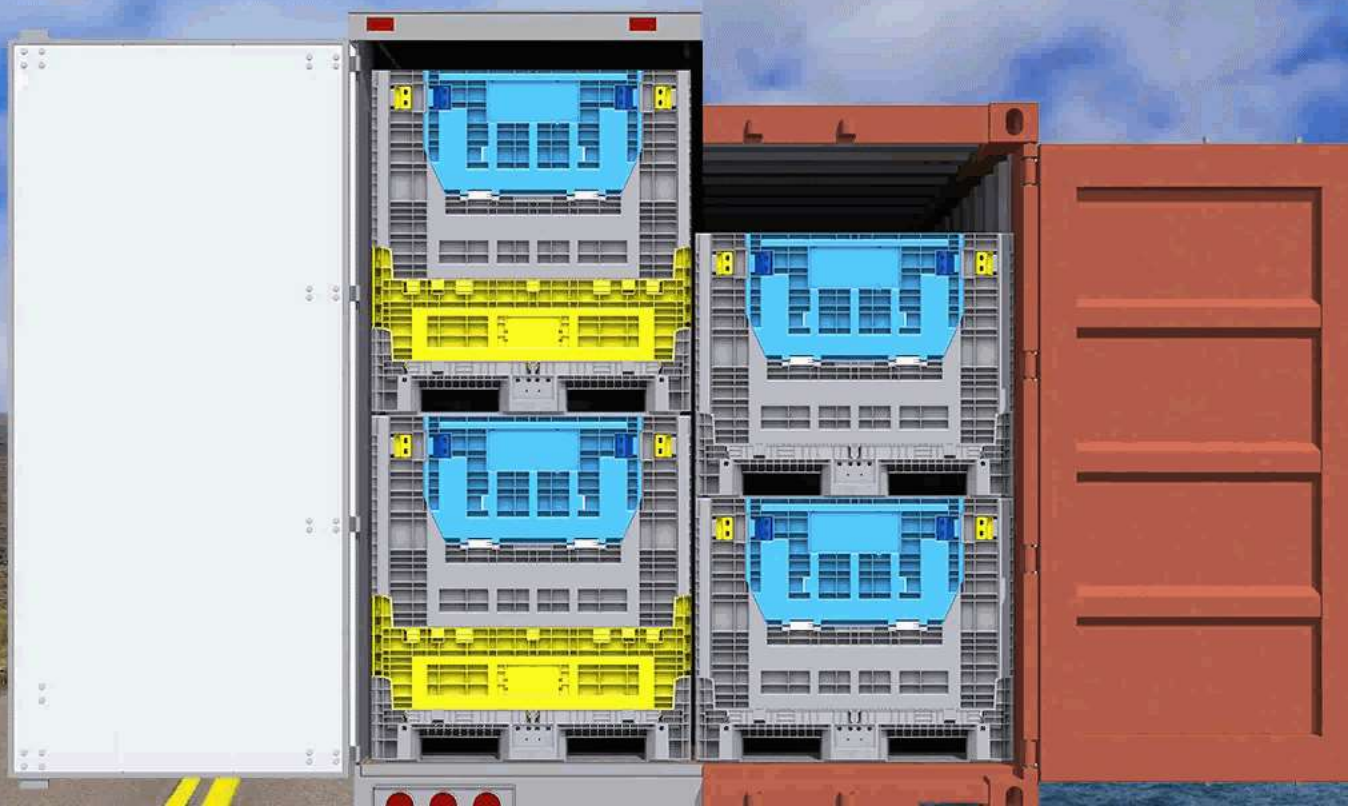
GlobalStac™
Bulk Container

GlobalStac™ is the one container
for all applications – worldwide.

- Newest addition to the family of bulk
  containers with an innovative global
  footprint – **1195 x 990 mm**.

- **95%** cube utilization in both a 40' sea
  container and a 53' tractor trailer

- 12.90" collapsed height allows for up to **256**
  containers on return shipment in 53' trailer
  and **176** in a 40' sea container

- Lightest tare weight in comparable products

GlobalStac™ Cube Analysis

- Footprint: **1195 x 990 mm**
- 40' Sea Container: **95%**
- 53' Tractor Trailer: **95%**

39"
(990mm)

47"
(1195mm)
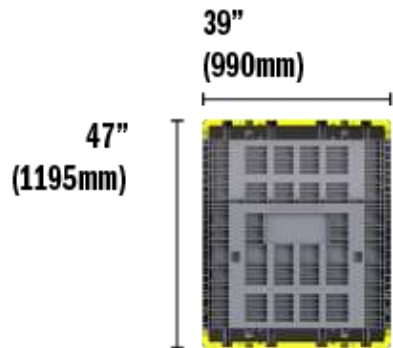
Sea Container

39' 6"
(12014mm)
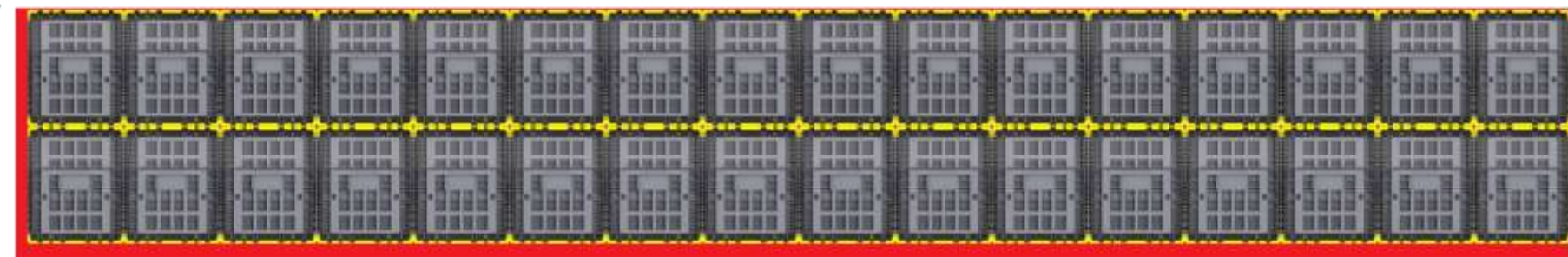
92"
(2336mm)

95%
FULL
22 Units
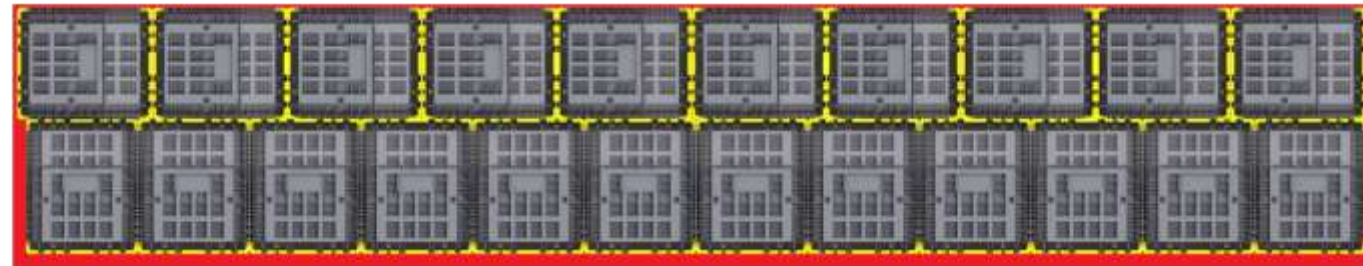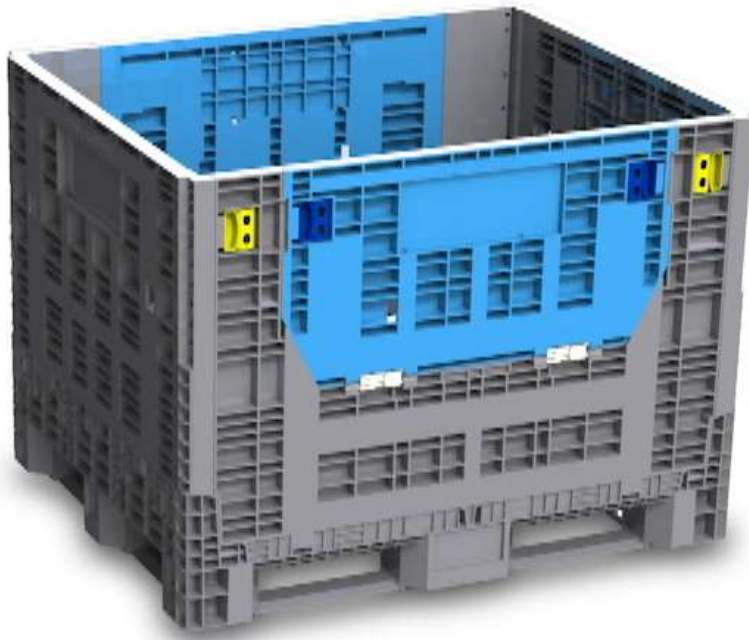
Tractor Trailer

53'
(15976mm)

102"
(2590mm)

95%
FULL
32 Units

# Cube Analysis: Comparison

GlobalStac™
Bulk Container 33" (844 mm)

|	Footprint	% Capacity Sea Container	% Capacity Tractor Trailer
GlobalStac™	**1195 x 990 mm**	**95%**	**95%**
Example #1	1140 x 980 mm	97%	90%
Example #2	1200 x 1000 mm	87%	90%
Example #3	1190 x 1140 mm	96%	90%
Example #4	1200 x 800 mm	85%	73%

GlobalStac™ Features

- Injection molded technology

- 7 height selections:

  25", **33" (844mm)**, 35", 39", 45", 47", 51"

- Weight load capacity of 600kg

- Wide variety of access door configurations

- Ideal for multiple applications in industries

  such as Automotive, Appliance, Agriculture,

  Consumer Goods, Pharmaceutical,

  Aerospace, and Electronics.

- Designed for efficiency and high

  performance, GlobalStac™ offers

  advantages that really stack up.
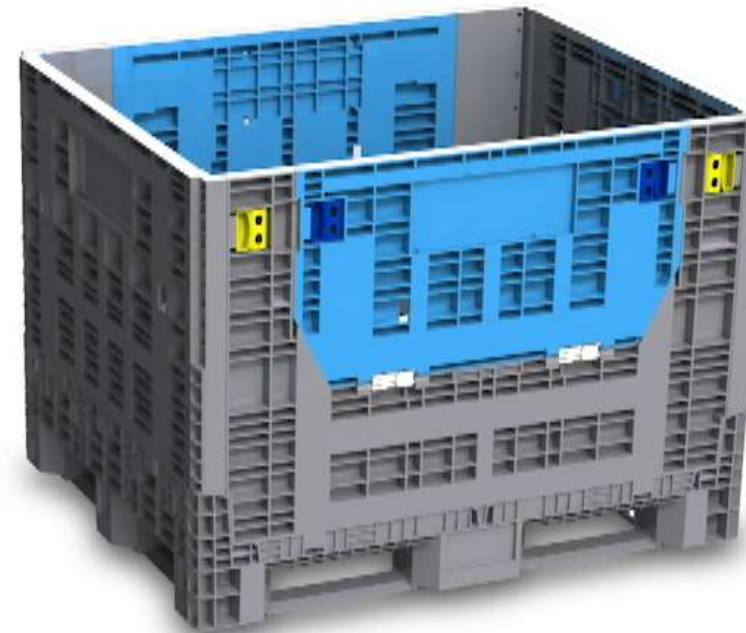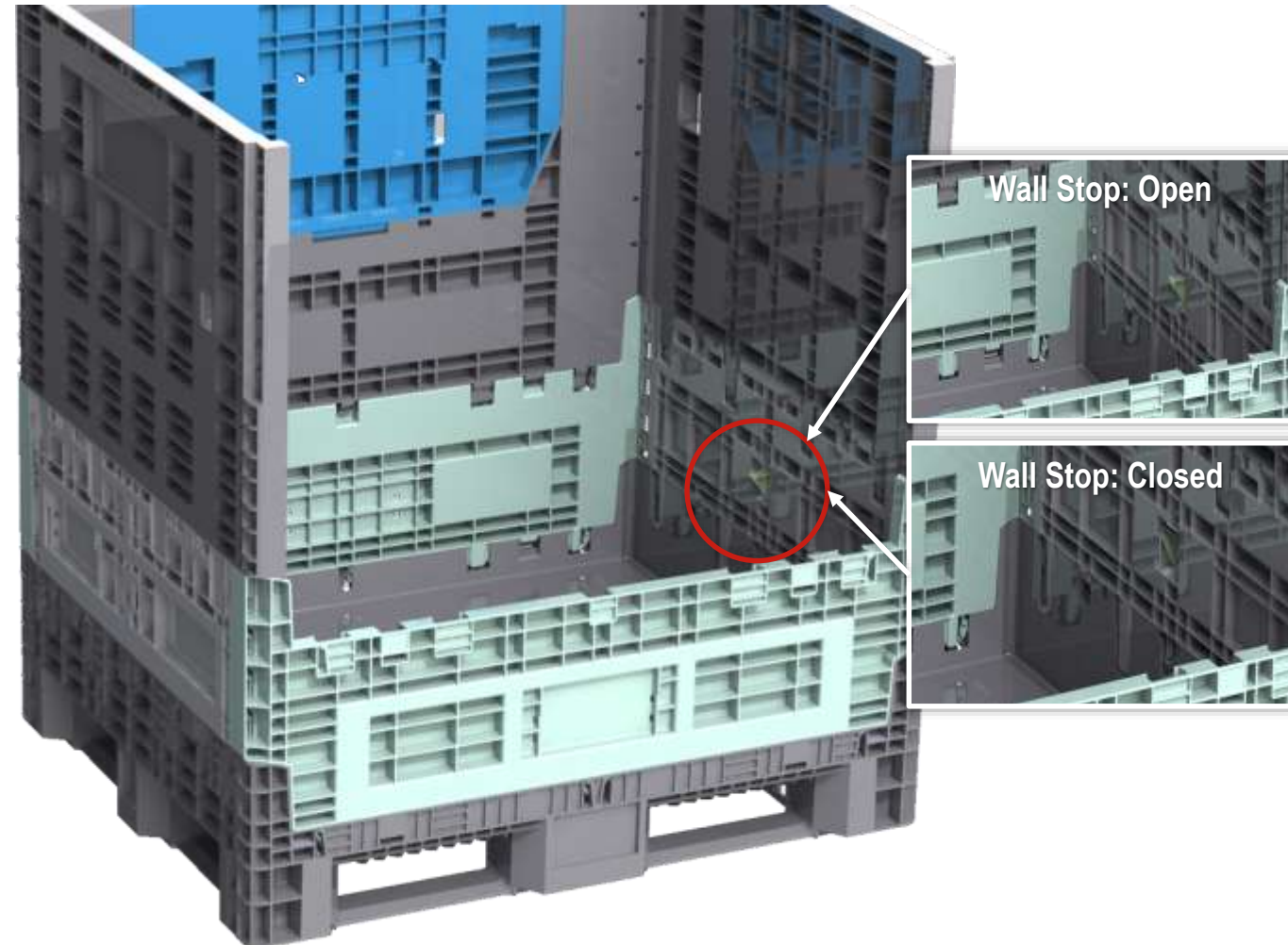
GlobalStac™
Features: Base

- Flat, solid deck with four drain holes to prevent moisture collection

- No center foot on the base eliminates potential product damage in the container below due to deflection past product fill line

- One-piece base and fork straps

- Modified fork opening to withstand impact from forklifts

- Added radii in feet corners to prevent cracking and splitting
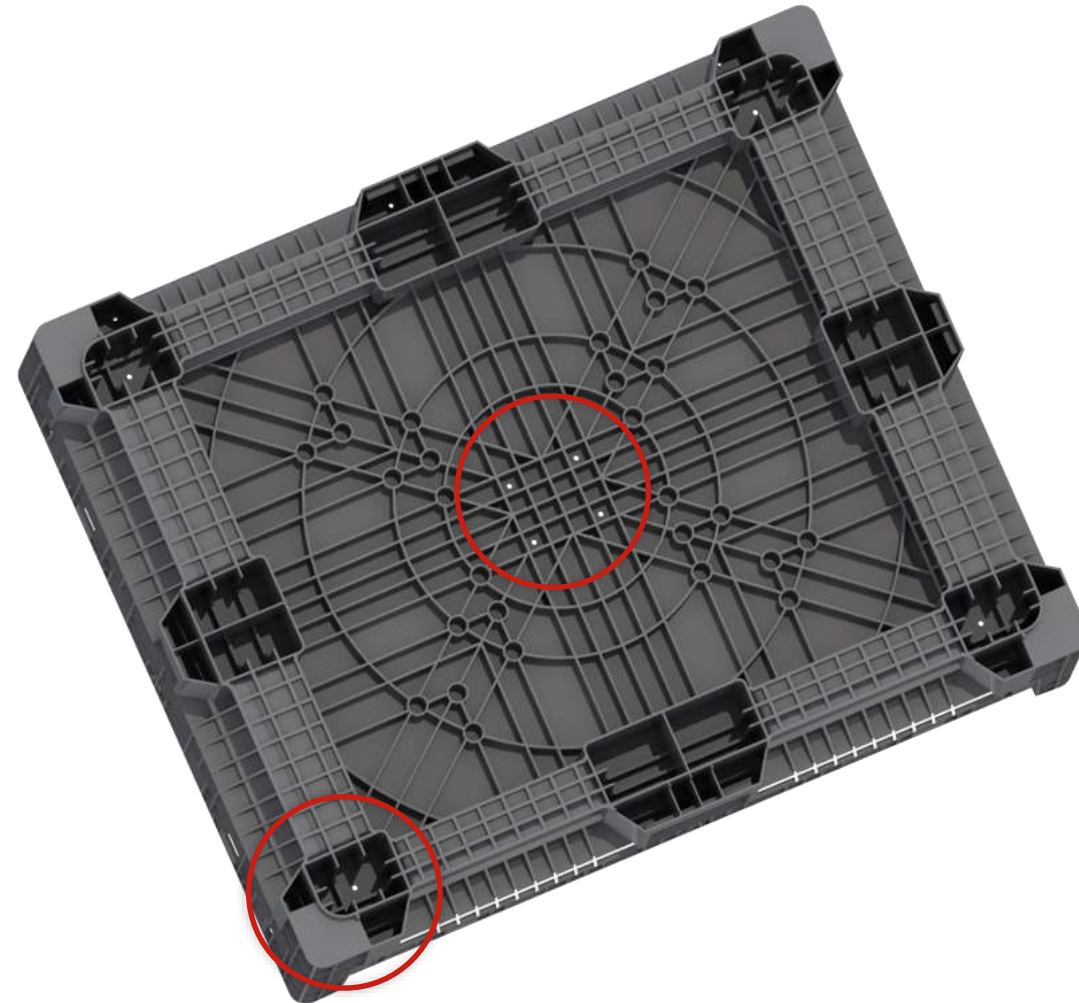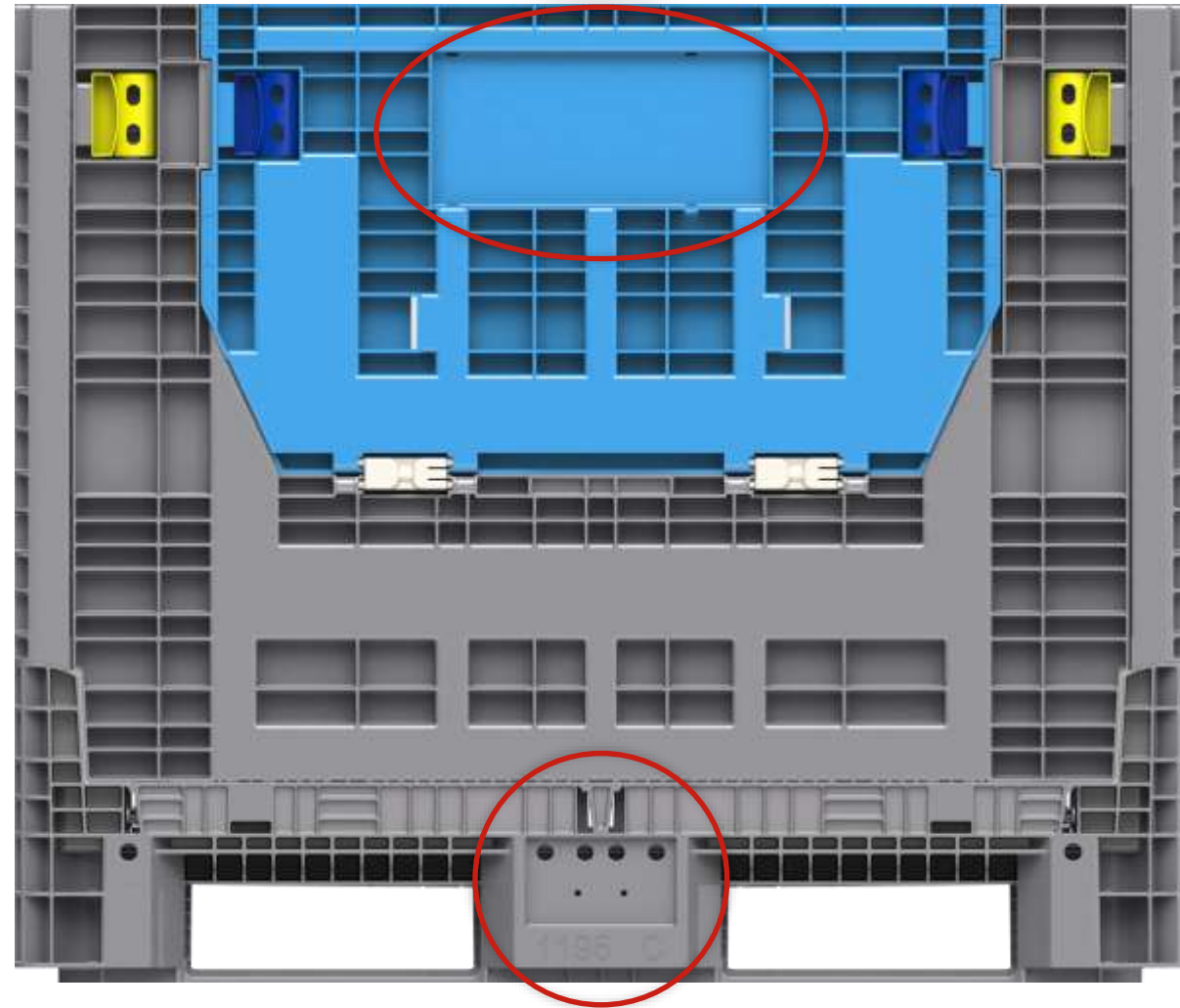
GlobalStac™
Features: Walls/Doors

- Two access doors available on all heights

- Option of access doors on all 4 sides for 39" and 51" height containers

- Molded-in lift provisions on walls for easy container set up

- One-piece snap-in release latches

- Articulating door hinges which allow the access doors to lie vertically

- Innovative wall stop to protect collapsed walls with height extenders

Wall Stop: Open

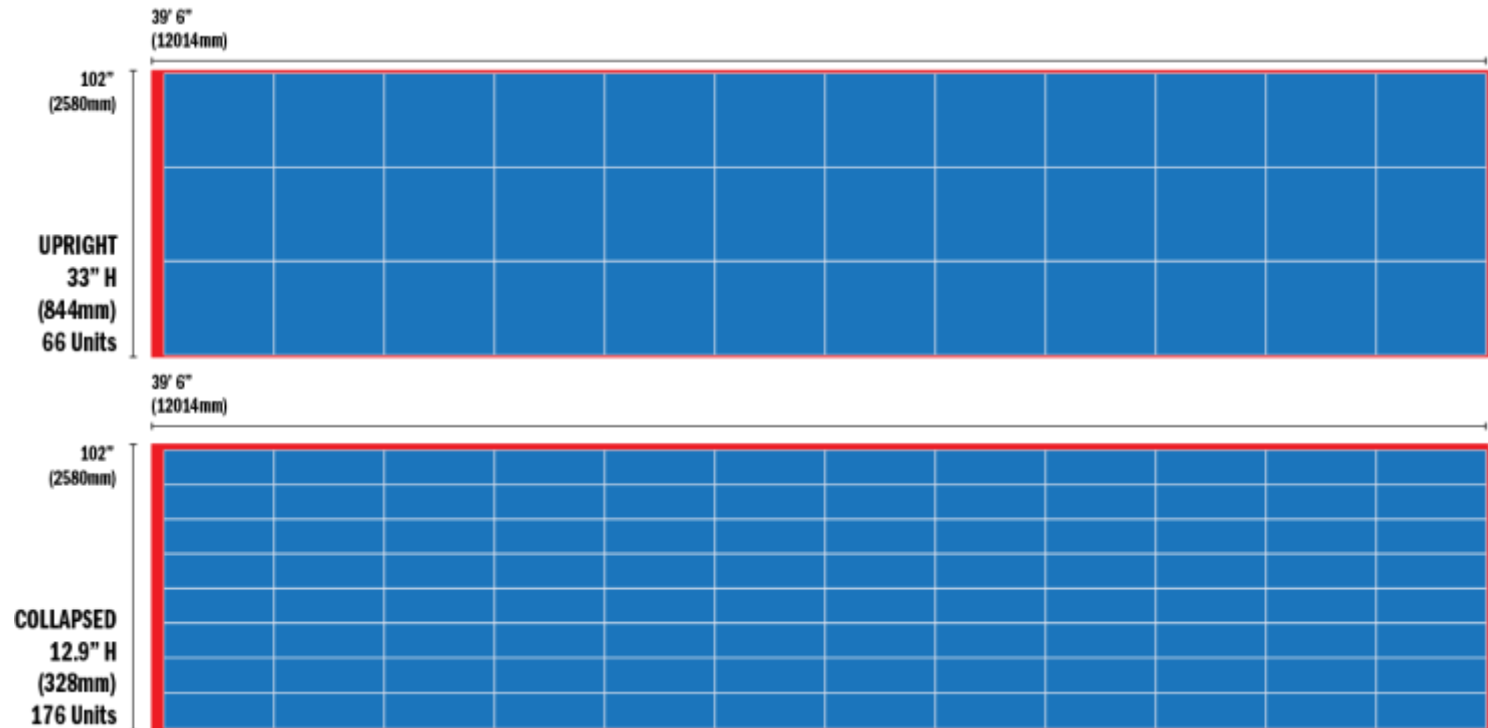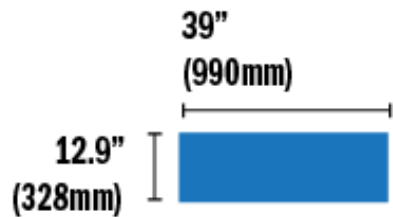**Wall Stop: Closed**
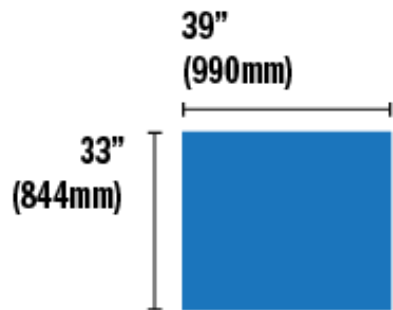
GlobalStac™
Features: Identification

- Larger center feet accept ID Plates up to 6.0" wide by 3.5" tall

- Built in provisions for attaching ID plates on four middle legs of base

- **Large textured (placard) areas for label adherence on all vertical walls**

- Slots for AFCH08 Kanban cardholders in walls
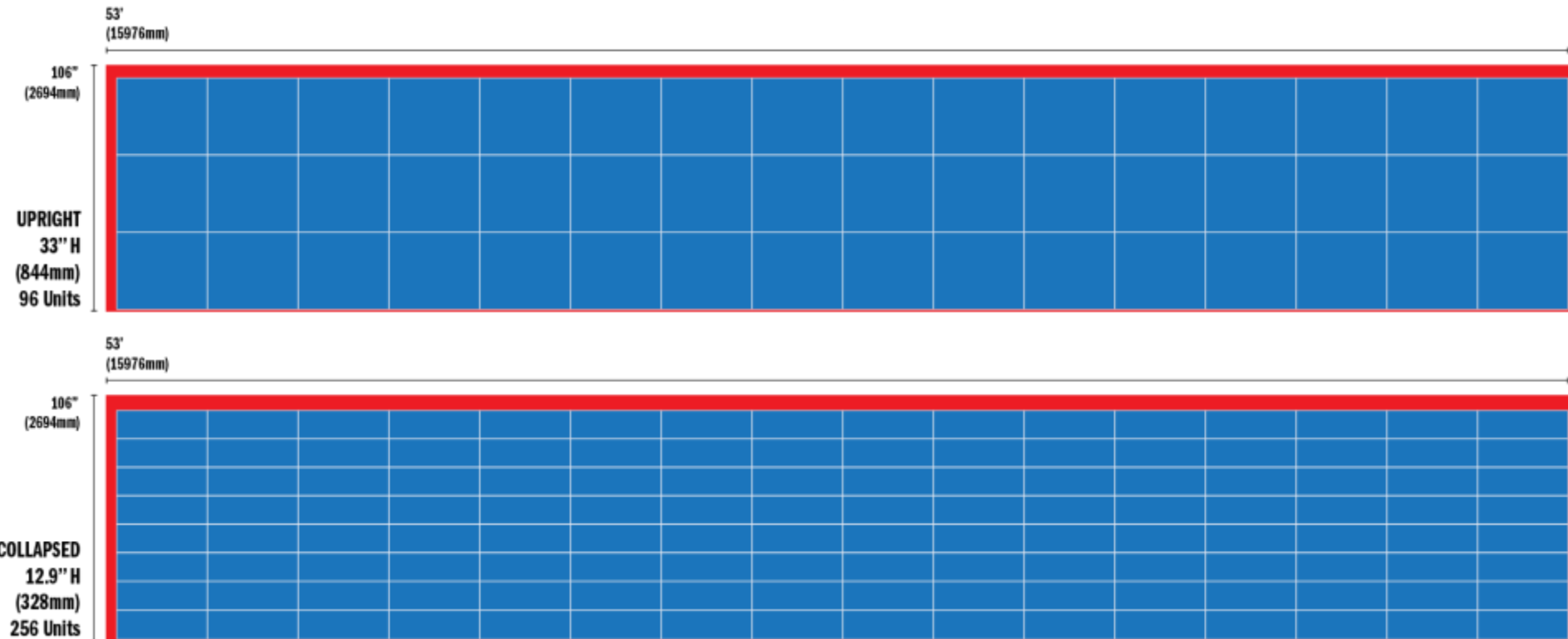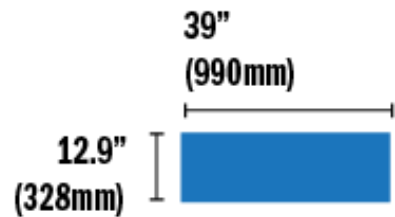
GlobalStac™ Height Analysis

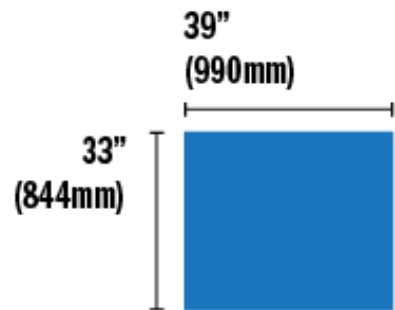## 40' Sea Container

- 66 Units Upright
- 176 Units Collapsed

39" (990mm)

33" (844mm)

39" (990mm)

12.9" (328mm)

39' 6" (12014mm)

102" (2580mm)

UPRIGHT 33" H (844mm) 66 Units

39' 6" (12014mm)

102" (2580mm)

COLLAPSED 12.9" H (328mm) 176 Units

GlobalStac™ Height Analysis

53' Tractor Trailer

- 96 Units Upright
- 256 Units Collapsed

39" (990mm) × **33"** (844mm)

39" (990mm) × **12.9"** (328mm)

53' (15976mm)
106" (2694mm)
UPRIGHT 33" H (844mm) 96 Units

53' (15976mm)
106" (2694mm)
COLLAPSED 12.9" H (328mm) 256 Units

Q&A