

## Technical Specifications

### 1. General Purpose Collapsible Container Van

#### A. 20 Footer Container Van

- A.1 Dimensions - 20' x 8' x 8' 6"
- A.2 Internal Dimensions - 19' 4  $\frac{1}{8}$ " x 7' 8  $\frac{1}{2}$ " x 7' 8  $\frac{1}{2}$ "
- A.3 Max. Gross Weight - 30,480 kgs
- A.4 Area Load - 1024 kgs / m<sup>2</sup>

#### B. 40 Footer Container Van

- B.1 Dimensions - 40' x 8' x 8' 6"
- B.2 Internal Dimensions - 39' 5  $\frac{1}{2}$ " x 7' 8  $\frac{1}{2}$ " x 7' 8  $\frac{1}{2}$ "
- B.3 Max. Gross Weight - 30,480 kgs
- B.4 Area Load - 1024 kgs / m<sup>2</sup>

### 2. Concrete Foundations

#### A. Excavation and Backfill

- A.1 Clearing and Grubbing The site shall be cleared and grubbed of all trees and bushes except particular trees, which maybe be retained for preservation. All stumps and roots shall be removed to a depth of 30 centimeters below original ground surface.
- A.2 All excavations shall be carried out according to the lines, slopes and grades as shown on the drawings.
- A.2 No fill materials shall be placed in any part of the foundation unless the foundations have been inspected and approved. Fill materials shall be placed and spread in layers covering the entire length and breadth, each layers not exceeding 15 cm in loose volume thickness and compacted thoroughly to the desired compaction.
- A.3 Gravel bedding shall consists of hard and sound stones ranging from 25 mm to 50 mm. Gravel surfacing shall be compacted to finished thickness of 10 cm.

#### B. Concrete

- B.1 Concrete shall be composed of cement, sand, broken rock or gravel admixtures as specified, and water, all mixed and brought to proper consistency.
- B.2 Concrete shall have a 28th day compressive strength of 20.7 MPa.

#### C. Reinforcing Steel

- C.1 All reinforcing steel shall conform to the requirements of PNS 49: 2001 for DSB Grade 275. All reinforcing steel shall be field bent.

### 3. Electrical Specifications

- A. Panel board shall be NEMA type 1. Indoor type and shall have protection against dust.
- B. Electrical wiring shall be stranded copper with thermo - plastic insulation. Minimum size shall be 2.0 mm<sup>2</sup> for lighting circuits and 3.5 mm<sup>2</sup> for power circuits.
- C. Conduits shall be UPVC (Unplasticized Polyvinyl Chloride) Electrical Conduit Pipe.