

GUIDE SPECIFICATION FOR VOIDS FORMERS  
(TO BE USED IN THE VOIDED SLABS)

1.0 MATERIALS:

- 1.1 The materials used to provide the void formers (henceforth “voids”) in the areas shown on the structural drawings shall be as furnished by Cobias USA Inc. Any substitutions need to be approved by the architect and engineer.
- 1.2 The material used to produce the voids is to be 100% post-consumer/post-industrial recycled HDPE with no fragrance and no fillers.
- 1.3 The voids shall be structurally sufficient to support the weight of fresh concrete.
- 1.4 The voids are to be detailed such that the spacing is maintained and of sufficient strength to support normal foot traffic and reinforcing bars.

2.0 PLACEMENT DRAWINGS:

- 2.1 Placement drawings shall be furnished by the supplier of the voids.
- 2.2 The placement drawings shall include the dimensioned locations, spacing requirements and quantities for each void size shown on the structural drawings. The quantity of concrete to be displaced by the voids shall be indicated for each area or pour shown on each drawing. The placement drawings shall include installation instructions for the handling and placement of the voids as well as instructions to be followed for the placement of concrete.

3.0 INSTALLATION:

- 3.1 The voids shall be tied to the bottom reinforcement to prevent horizontal movement during the first layer of concrete.
- 3.2 The concrete placement, in the areas containing the voids, will be done in two stages with sufficient time (approximately 2-3 hours) between stages to allow the first stage to attain an initial set to counteract the buoyancy effect of the voids. The first stage of concrete shall engage the bottom reinforcing bars and be approximately 1” above the bottom of the voids.
- 3.3 Installation of voids will require either placement cages or omega bars.
- 3.4 Normal weight concrete with maximum aggregate size of ¾” is adequate.

4.0 TECHNICAL ASSISTANCE:

- 4.1 The supplier of the voids shall be available for a pre-construction meeting to review the particulars of the system as they apply to the project and offer any additional recommendations.
- 4.2 The supplier of the voids shall have a representative visit the site before or during the initial placement of the voids prior to the first placement of concrete.

END OF SPECIFICATION