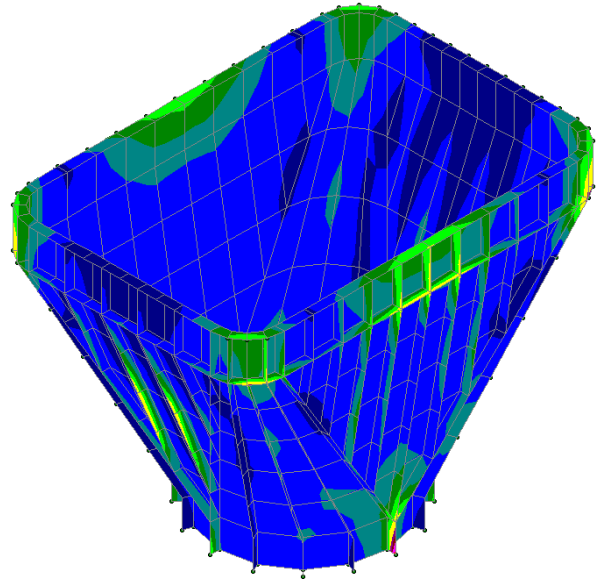
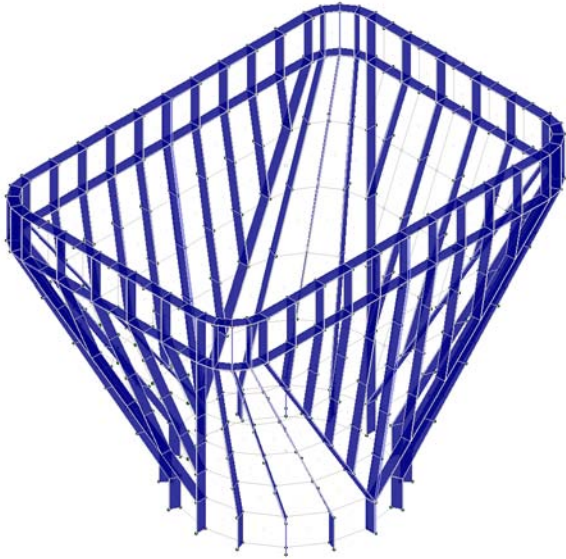


## HART Column Formwork - Honolulu Authority for Rapid Transportation

### 72 ft Column Formwork with Intricate Capital Shape



**Structural verification and design review for a family of column forms with maximum height of 72 ft and diameter of 9 ft.**

- Column heights from 24 ft to 72 ft
- Column diameters from 5.5 ft to 9.0 ft
- Designed for concrete pressure and storm winds
- Braced and secured with concrete weights
- Finite element analysis of capital form including stiffeners
- Form deflections checked
- Overall stability checked

Project - HART Extension - Island of Oahu  
Location - Honolulu, Hawaii  
Year - 2017  
Type - Column Formwork and Capital  
Owner - HART  
GC - Shimmick, Traylor, Granite JV  
Client - NINIVE Casseforme S.r.l.