



CRISER  
TROUTMAN  
TANNER

# STRUCTURAL ENGINEERING PROJECT

## ETHANOL PRODUCTION PLANTS

### Owner:

- ▶ Confidential

### Location:

- ▶ USA

### Project Cost:

- ▶ Plant 1 , \$62,000,000
- ▶ Plant 2 , \$50,000,000

### Project Duration:

- ▶ 12 Month Design Duration,  
4 Month Shop Drawing Review



**CRISER • TROUTMAN • TANNER •** served as Structural Engineer of Record on two ethanol production plants. Production for each of the two new plants is 55 MGPY. CTT supported the prime consultant located on the east coast by performing a structural liaison role with the international sub-consultant. CTT was responsible for the creating the project design basis, final structural design, and review of structural shop drawings. Project requirements included travel to the prime consultant's location and to the sub-consultant's locations overseas. Drawings were extracted from Owner approved 3D model.

**Plant 1:** 55 MGPY production; 28 Tank foundations; Rail and truck receiving; Underground grain handling facility; Distillation and Evaporation Superstructure; Product Storage Capacity of 1,100,000 gal; 2 Layer pipe rack extending over 600 feet; Approximately 1000 tons of steel; Multiple independent equipment foundations; Multiple equipment mat foundations; Multiple elevated steel structures.