

Rack Post Load Design Analysis

Project

Date: 5/1/2014

Name: Sample Project

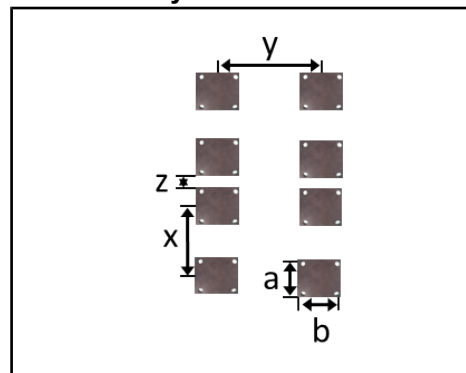
Location: Buffalo Grove

Engineer: Mike McPhee

Criteria

| | | | |
|------------------------------------|----------|--|-------|
| Compressive Strength (psi): | 4,000.00 | Column Spacing (ft): | 50.00 |
| Flexural Strength (psi): | 600.00 | Contraction Joint Spacing (ft): | 25.00 |
| Subgrade Modulus (pci): | 100.00 | | |

Post System: Back to Back



| | |
|------------------------------------|-----------|
| Post Load (lb): | 12,000.00 |
| Plate Length (in): | 6.00 |
| Plate Width (in): | 6.00 |
| Rack Length (in): | 96.00 |
| Rack Width (in): | 42.00 |
| Rack To Rack Distance (in): | 14.00 |

CFS Steel Fiber Design

Fiber: CFS100-2

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|-----------------------------|------|--------------------------------|--------|
| Fiber Dosage (lb): | 40 | Tensile Stress (psi): | 333.09 |
| Slab Thickness (in): | 10.5 | Interior Safety Factor: | 1.8 |