Stress Analysis Solutions Inc.

Structures, Machinery, Cranes, Lifting Devices,

Calculations, Engineering, Design and CAD Drawings

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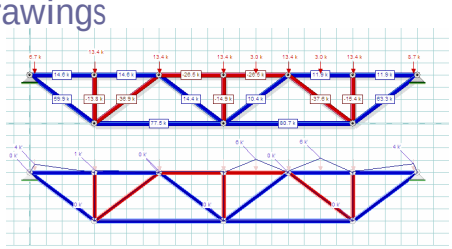


GENERAL SERVICE LISTING

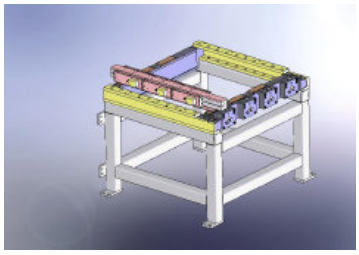
Structural and Mechanical Engineering

- **Structural Calculations, Stress Analysis and sizings for all types of Structures; PE Reviews and Certifications**
- **Stress Analysis of steel frames, girders, columns, brackets and structures / devices of all types, including cranes and crane supports**
- **Analysis and Load Rating of Frames, Decks, Platforms, Crane Supports, Mezzanines and Fall Protection Anchorings**
- **Below-the-Hook Lifting Devices, Riggings and Lifting Safety Plans**
- **Concrete Detailing, Foundation, Footing and Anchoring Designs**
- **Mechanical Drive system design, analysis and sizing including shafts, bearings, gears, gearboxes, motors, chains and belts**
- **Fatigue Analysis and calculations of structures for Infinite Life Design; Safety Engineering, reviews and equipment upgrades**
- **Code Applications: AISC, UBC, CMAA, AISE, OSHA, ACI, IBC**

Drawings, CAD and 3D Modeling

- **Structural and Mechanical Designs and Layouts, Assembly Drawings and Detailing**
- **Structural, machinery, foundation and mechanical drawings of all types**
- **3D Solid Modeling; SolidWorks and Autocad**
- **Machinery Design and machinery equipment layouts; Plant Layouts**
- **Steel Frames, Industrial Machinery, Equipment and devices of all types**
- **Piping and Utility Layouts; As-built equipment and facility drawings**
- **Facility Layouts and Mechanical Drawings of all types**
- **Convert 2D Drawings into 3D Solid Models**

Please visit our Website at www.stressanalysissolutions.com

Jim Grek, PE, MSE
Professional Engineer and Owner
Stress Analysis Solutions Inc.

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