

Neill and Gunter

DESIGN AND CONSULTING ENGINEERS



It is with this letter of introduction that we wish to announce Services in the areas shown below. In addition to these areas of service, we offer Engineering Services in the areas of Structures, Mechanical, Electrical, Power, Process, and others; we invite you to browse our web site for more information.

Regards,

**Gene Farach, P.E.
Business Manager**



**UNDER-RUNNING
CRANES:**

- ◆ Single Girder
- ◆ Double Girder
- ◆ Hand Pushed
- ◆ Motor Driven
- ◆ Capacities to 20 Tons

**TOP-RUNNING
CRANES:**

- ◆ Single Girder
- ◆ Double Girder
- ◆ Hand Pushed
- ◆ Motor Driven
- ◆ Capacities to 100 Tons

STACKER CRANES:

- ◆ Manual, Hydraulic, Electric
- ◆ Special Engineered Stacker Cranes

GANTRY CRANES:

- ◆ Single Leg Gentries
- ◆ Double Leg Gentries
- ◆ Trackless Gantry Cranes
- ◆ V-Groove Gantry Cranes
- ◆ Custom Design Gantry Cranes

JIB CRANES:

- ◆ Free Standing
- ◆ Manual or Motorized
- ◆ Wall Bracket
- ◆ Wall Cantilever
- ◆ Mast Type

**WORK STATION
CRANES:**

- ◆ Aluminum Work Station Cranes
- ◆ Steel Work Station Cranes

- ◆ Stainless Steel Work Station Cranes
- ◆ Free Standing
- ◆ Ceiling Mounted
- ◆ Work Station Jib Cranes
- ◆ Telescoping Bridge Cranes

ELECTRIC HOISTS:

- ◆ Wire Rope Hoists
- ◆ Chain Hoists
- ◆ Standard Headroom
- ◆ Low Headroom
- ◆ Single Reeved
- ◆ Double Reeved
- ◆ ALL Major Hoist Manufacturers

AIR HOISTS:

- ◆ Wire Rope Hoists
- ◆ Chain Hoists
- ◆ Suitable for Hazardous Environments
- ◆ ALL Major Hoist Manufacturers

WINCHES:

- ◆ Hand Winches
- ◆ Power Winches
- ◆ Floor Cranes
- ◆ Davit Cranes

BELOW THE HOOK:

- ◆ Lifting Beams
- ◆ Spreader Beams
- ◆ Roll Lifter
- ◆ Coil Lifters, Upenders, Transfer Cars
- ◆ Pallet Lifters
- ◆ Vacuum Lifters
- ◆ Lifting Tongs
- ◆ Rotating Crane Hooks
- ◆ Crane Stackers

VACUUM LIFTERS:

- ◆ Single Pad Units
- ◆ Multiple Pad Units
- ◆ 90° Tilt Upender/Downender
- ◆ Custom Engineered Units
- ◆ Automated Transfer System

**INSTALLATION - On
ALL NGI-FL supplied
Equipment**

**RIGGING
ATTACHMENTS:**

- ◆ Adjust-A-Leg
- ◆ Wire Mesh Slings
- ◆ Pipe Handling
- ◆ Weld-On Bucket Hooks
- ◆ Lifting Lugs
- ◆ Universal Hook Latches
- ◆ Beam Flange Clamps
- ◆ Barrier Lifting Tongs
- ◆ Barrel Hooks
- ◆ Quick Disconnect
- ◆ Triangles & Chokers
- ◆ Lift Truck Attachments
- ◆ Slings and Tie-Downs

ELECTRIFICATION:

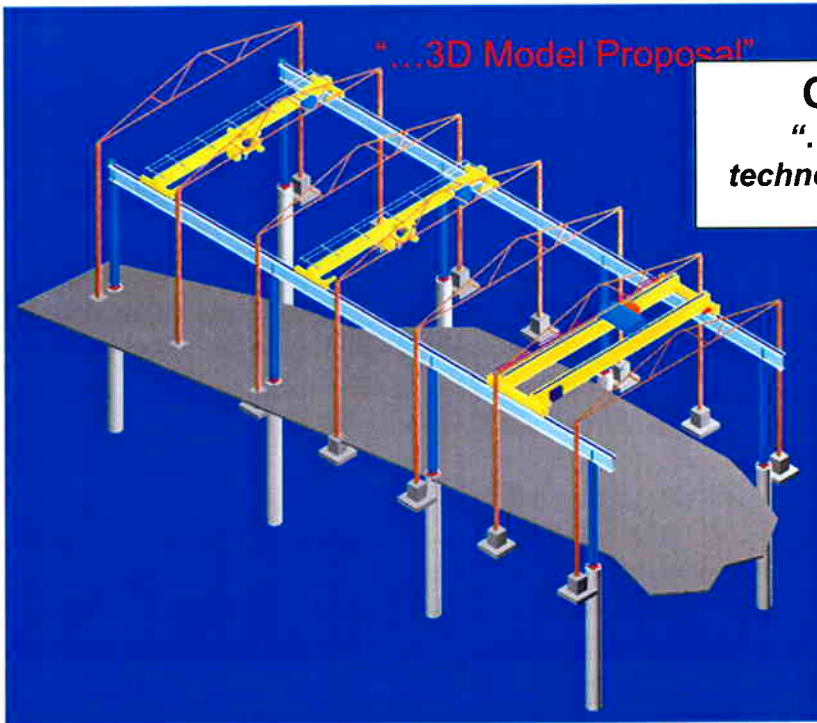
- ◆ Cable Festooning
- ◆ Conductor Bar
- ◆ Slip Rings
- ◆ Cable Reels
- ◆ Motor-Driven Reels
- ◆ Hose Reels
- ◆ Push-Button Pendants

CRANE CONTROLS:

- ◆ Soft-Start Motor Acceleration Controls
- ◆ Adjustable Frequency Crane Controls
- ◆ Collision Avoidance Systems
- ◆ Distance Detection systems
- ◆ Dynamic Braking Resistors
- ◆ Line Load Reactors
- ◆ Motor/ Brakemotors
- ◆ Encoder/ Encoder Kits
- ◆ Radio Remote Controls
- ◆ Infrared Remote Controls
- ◆ Data links

**REPAIR PARTS
For ALL Major Hoist
and Crane
Manufacturers**





Our Design Process
 "...innovation and the use of technology is our design signature!"

In this age of high technology, Neill and Gunter capitalizes on the benefits of computer-aided design facilitate creative solutions to client's problems.

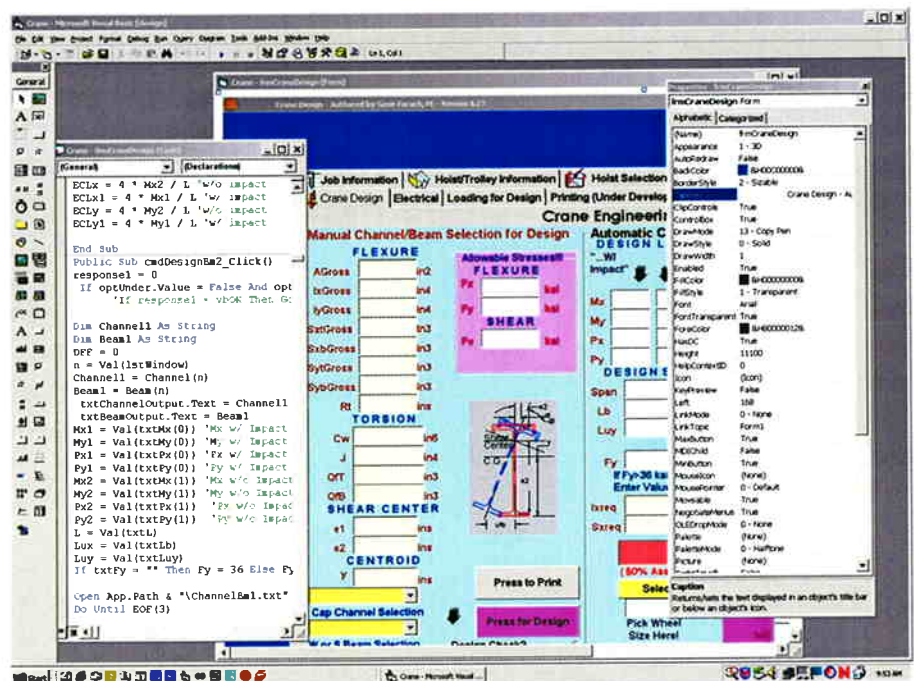
The days of laboring through long hours of wondering about alternate solutions and their economic benefits are indeed a thing of the past. With the help of computer modeling, specialty software and endless access to

ever evolving technology, questions of a design nature can be answered quickly and efficiently. Indeed a refreshing approach to reach an optimized design and to find the right solution at a minimum cost.

In this spirit Neill and Gunter has developed software to address many engineering processes in an effective and timely manner. Some of the software developed has incorporated the latest design codes and have been interfaced with modeling software.

Our experience using computer related software has given us the opportunity to respond with innovative and highly optimized designs.

The design software developed was prepared by one of our staff members and exemplifies the talent available at Neill and Gunter.



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Manipulators are used when Ergonomics Controls
“...an innovative structural solution enhances the economy of an

The use of “Vierendeel Trusses” solves the structural acrobatics of long spans.

It is Neill and Gunter’s ability to apply creativity to the solutions of problems that sets us apart from the competition!

This project was designed by one of our staff members and exemplifies the talent available at Neill and Gunter.



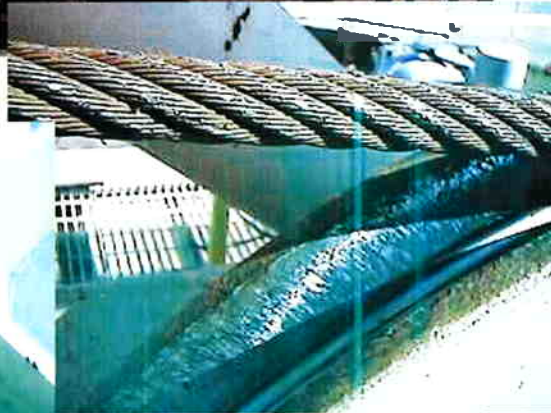


Forensic Engineering
"...when things go wrong, what is the best solution?"

Cranes are designed to undergo tremendous stress. When these stresses are exceeded, the crane becomes a liability. When engineering investigations are required to determine corrective actions, they must be expertly done to minimize down time.

Neill and Gunter has developed very successful methods of evaluating Crane problems. As a full service company, Neill and Gunter can evaluate the entire crane system inclusive of performance related to structural, mechanical and electrical areas.

Our experience with forensic review and our carefully designed corrective recommendations, allows Neill and Gunter to be creative in restoring equipment to full production with a minimum impact to our clients.



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Gantry Cranes
“...when space is available and self sufficiency is desired!”

When higher tonnage are required of existing material handling systems and limitations exist within the production facilities by way of framing which cannot support the additional loads – Gantry Cranes are an effective alternate. Our approach is to accommodate the gantry design within the constraints of the Owner’s existing facility.



Gantries can be designed to be free standing double legged, or a combination of either Underhung or Top Running supported by runways. The bridge can be either double or single girder.



The gantry legs can be either ASCE rail supported or the legs can ride on pneumatics wheels.

Gantry Crane Systems allows Neill and Gunter a great deal of flexibility in establishing innovative material handling solutions.

This project was designed by one of our staff members and exemplifies the talent available at Neill and Gunter.





Overhead and Free Standing Crane Systems

"...an answer to limited space and structural capacity!"

Often times the Industrial Process changes and are limited by existing building strength. Neill and Gunter has found that cost can be a major limiter to what can be done to achieve a new process change.

Quite often these problems point to the need to design free standing systems which eliminate the need to upgrade old and overworked buildings!

Our design involvement includes solutions which engage the use of appropriately selected foundation systems playing an integral part in the economics of our solutions.

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