



Design/Build Construction Services



 **Weaver Inc.**
General & Electrical Contractor

Established in 1955



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Construction Projects

- Design-Build
- Engineering
- Permitting
- Construction
- Service



Dependence on Foreign Oil

- Alternative Fuels
- Global Warming
- Air Pollution
- New Technology



Alternate Fuels

- Compressed Natural Gas (CNG)
- Liquefied Natural Gas (LNG)
- LCNG
- Hydrogen
- Maintenance Building Modifications



Design for Permitting Agencies

- Fire Department
- Land Use
- Building Department
 - Mechanical
 - Electrical
 - Civil
 - Structural



Fueling Facility Design Build Actions

- Consultants
- Understand RFP
- Job Walk
- Develop Design Criteria
- Site Visit
- Prepare Preliminary Schedule
- Kickoff Meeting
- Develop Final Schedule
- Design/Construction Interface
- Obtain Equipment Specifications
- Review and Client Approval of 60% Drawings
- Preliminary Submittal of 90% Drawings
- Submit Drawing Package to Permitting

Fueling Facility Program Actions



- Final Approvals by Plan Check
- Develop Construction Plans
- Perform Construction
- Final Inspections
- Start-up
- Preparation of As-builts
- Certification of Occupancy and Operation



Drawings

- Title Sheet
- General Site Plans
- Electrical Plans
- Civil Plans
- Mechanical Plans
- Equipment Cutsheets
- Specifications



Alternative Fuels Maintenance Building Modifications

- Electrical Systems
- Ventilation and Heating Systems
- Gas Detection and Alarms

Summary of Garage Modifications



- Detectors and Alarms
 - One Level of Detection-25% LEL
 - Cause Activation
 - Alarms
 - Ventilation Systems
 - Deactivates Heating System



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Weaver Inc Maintenance Facility Upgrade Experience



City of Burbank

Building Modifications & Methane Gas Detection



City of Glendale

Building Modifications & Methane Gas Detection



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City of Los Angeles Building Modifications & Methane Gas Detection



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