



## PUGH ENGINEERING SERVICES

### Pugh Engineering Portfolio

#### Industrial/Plant & Facility

Client	Project Title/Description	Location
Nichols Aluminum Alabama, LLC	Design of Roller Mounting Platform	Decatur, AL
Toray Carbon Fibers of America	Design & Specifications of two dock levers	Decatur, AL
Toray Carbon Fibers of America	Design of City Water Pipeline & Natural Gas Pipeline- Decatur Utilities	Decatur, AL
Ace Industries, Inc.	Reverse Engineering of Lifters- Honda Plant	Lincoln, AL
Hubbard & Drake	Building Design- Bunge Facility	Decatur, AL
Ace Industries, Inc.	Design of Fall Protection Systems- Honda Plant	Lincoln, AL
Toray Carbon Fibers of America	Design of Battery Charging Facility	Decatur, AL
Ace Industries, Inc.	Design of Walkway System- U.S. Steel	Birmingham, AL
Nichols Aluminum Alabama, LLC	Design of Hoist Rail	Decatur, AL
Toray Carbon Fibers of America	Design of Pipe Rack	Decatur, AL
Toray Carbon Fibers of America	Ventilation & Filtration Designs	Decatur, AL
Toray Carbon Fibers of America	Design of Water Pipe Bridge/Rack System	Decatur, AL
SIMCO, Inc.	Design of ¼ ton Monorail System- Georgia Pacific-	Huntsville, AL
Turner Industries Group, LLC.	Design of Cable Tray Supports & Racks- Exxon Mobile/Shute Creek	Decatur, AL
Hexcel Corporation	Civil & Structural Design for a Solvent Unloading Station	Decatur, AL
Navistar Diesel of Alabama, LLC.	Design of Mezzanine Floor	Huntsville, AL
Navistar Diesel of Alabama, LLC.	Design of Transformer Monorail System	Huntsville, AL
Ace Industries, Inc.	Fall Protection System- SESI Facility	Huntsville, AL
Nichols Aluminum Alabama, LLC	Building Expansion	Decatur, AL
Toray Carbon Fibers of America	Design of Exterior Retaining Wall & Dock	Decatur, AL
Navistar Diesel of Alabama, LLC.	Design of Conveyor System	Huntsville, AL
Ace Industries, Inc.	Design of Articulating Jib Crane System- Navistar Facility	Madison, AL
Navistar Diesel of Alabama, LLC.	Design of 2-ton Bridge Crane System	Madison, AL
Toray Carbon Fibers of America	Structural Support System- Column Removal	Decatur, AL
Navistar Diesel of Alabama, LLC.	Design of Catwalk System for Conveyor	Madison, AL
Nichols Aluminum Alabama, LLC	Design of Paint Roller System	Decatur, AL
Toray Carbon Fibers of America	Design of Water Cooling Tower	Decatur, AL
Metal Land, LLC.	Sheetmetal Stud Truss System	Vernon, AL
Navistar Diesel of Alabama, LLC.	Structural Reinforcement of 3-ton Hoist- International Diesel	Huntsville, AL
Turner Universal	Design of Steam Tower, Flaker, & Cooler- Decatur Co-Op	Decatur, AL
Turner Universal	Design of Huckaby Bridge Natural Gas Pipeline	Hartselle, AL
Navistar Diesel of Alabama, LLC.	8-ton Monorail Crane & Cement Pad	Madison, AL
Turner Universal	GE Platform Extension	Decatur, AL
SIMCO, Inc.	Umicore Building Addition	Arab, AL
Turner Universal	Design of Truss System & Column Removal	Huntsville, AL
Sue- Jac	Design of Building Expansion- Cash Acme Facility	Cullman, AL
Ace Industries, Inc.	Design of Crane & Hoist System- Saint Gobain	Huntsville, AL
Turner Universal	Column Removal- General Electric	Decatur, AL
Turner Industries Group, LLC.	Structural Design- Building Addition	Decatur, AL
Sue-Jac	Design of Waste Water Treatment System- Hexcel	Decatur, AL
Mastin's, Inc.	Generator Pad Design- Fort Payne High School	Fort Payne, AL

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Sue-Jac International Diesel of AL, LLC	Design of Motor Control Center & Mezzanine Offices Chemical Storage Facility- Structural, Mechanical, Electrical, Plumbing	Huntsville, AL Huntsville, AL
International Paper Turner Universal Cooper Industries Waddell Mechanical SIMCO, Inc.	Design of Silo Pad & Foundation Roof Design- Marshall Durbin Plant Analysis of Roof & Design of Cooling Tower Structure Design of 7.5 ton Bridge Crane Rail System Fall Protection System- Saferack Support Structure- Milk Products Plant	Decatur, AL Jasper, AL Cullman, AL Decatur, AL Decatur, AL

## Commercial

Client	Project Title/Description	Location
Owens Properties, LLC Turner Universal Parkway Pharmacy Boyett Construction	Roof Design- State Farm Insurance Office Design & Renovations- Navistar Facility Structural Design of Parkway Pharmacy Design of Retaining Wall System- Ability Plus Group Home	Decatur, AL Huntsville, AL Arab, AL Madison, AL
SIMCO, Inc. SIMCO, Inc.	Design of Catch Basin Drainage Plan- UPS Cooler Door Addition- Airport Authority- Huntsville International Airport	Tuscaloosa, AL Huntsville, AL
Turner Universal Associated Engineering Services John Blue Realty SIMCO, Inc.	Structural Design- Parking Garage Design of Covered Parking Area- Providence Village Structural Design- Bradford Commons Bridge Structural Design- Truck Well- Buffalo Rock	Hoover, AL Madison, AL Huntsville, AL Birmingham, AL

## Consulting

Client	Project Title/Description	Location
State Products Mart Board Navistar Diesel of Alabama, LLC. SIMCO, Inc. SIMCO, Inc.	Structural Analysis of Racking Horse Arena Analysis of Replacement Beam for 3-ton Bridge System Structural Renovation Requirements- SESI Phase V Design of Structural Steel Requirements- Huntsville Airport Authority Facility	Priceville, AL Huntsville, AL Huntsville, AL Huntsville, AL
Turner Universal	Sequencing Plan & Shoring Drawings- Weld Project- United Launch Alliance	Decatur, AL
Nichols Aluminum Alabama, LLC	Calculate an Office Roof Load Capacity	Decatur, AL

## Healthcare

Client	Project Title/Description	Location
Turner Universal	Ft. Benning Hospital- Design & Analysis of Foundation Wall	Columbus, GA
Turner Construction	Ft. Benning Hospital- Design of Hospital Roofing System	Columbus, GA
Dr. Alexander Ly Morgan County Board of Education	Structural Analysis- Existing Office Building Structural Design of Medical Clinic- Dr. Ravipati	Huntsville, AL Decatur, AL

## Religious

<b>Client</b>	<b>Project Title/Description</b>	<b>Location</b>
Stanley Graham Carpentry, LLC. Good Shepherd United Methodist Church Boyett Construction	Design of Sacred Heart Monastery Renovations & Additions Structural Analysis- Historic Preservation	Cullman, AL Madison, AL
Boyett Construction Turner Batson	Structural Design- Foundation- St. Paul United Methodist Church Civil & Structural Design- Somerville Baptist Church Structural Design-Worship Center Christian Church, South Campus	Boaz, AL Somerville,AL Huffman, AL
Morgan County Board of Education Perry Hill United Methodist Church SIMCO, Inc.	Structural Design- Foundation- St. Elizabeth Church Design of Commercial Kitchen Structural Design- Foundation- Parkview Baptist Church	Madison, AL Montgomery, AL Decatur, AL

## Conceptual

<b>Client</b>	<b>Project Title/Description</b>	<b>Location</b>
Pugh Structural Designs Metal Land, LLC. Turner Universal	Design of Cattle Feeding Facility Commercial & Agricultural Truss System Design of Concrete Ramp- Alabama Farmers Co-Op	Somerville, AL Vernon, AL Selma, AL

## Civic

<b>Client</b>	<b>Project Title/Description</b>	<b>Location</b>
Alabama Mountains, Rivers & Valleys Resource Conservation Development Council	Electrical HVAC & Structural Remodeling- Old Hartselle Water Treatment Plant	Hartselle, AL
Morgan County Board of Education Mastin's, Inc.	Albert P. Brewer High School- Concession Stand Design of Foundations & Busway Supports- Decatur Utilities	Somerville, AL Decatur, AL
Hartselle Utilities	Design of Natural Gas Pipeline Roller- Hartselle Utilities	Hartselle, AL
Hartselle Utilities SIMCO, Inc.	Design of Hercules Centrifuge Foundation Project Structural Design- Foundation- Mud Tavern Fire Department	Hartselle, AL Mud Tavern, AL

## Severe Weather

<b>Client</b>	<b>Project Title/Description</b>	<b>Location</b>
National Copper & Smelting Company	Severe Storm Shelter Location Analysis- National Copper Facility	Huntsville, AL
Flat Safe Tornado Shelters Steelsafe Shelters	Design of Below Ground Storm Shelters Design of Below Ground, Above Ground, & Outside Storm Shelters	Ponca City, OK Albertville, AL
Ground Zero Shelters	Design of Below Ground Storm Shelters	Perry, OK

## Governmental

<b>Client</b>	<b>Project Title/Description</b>	<b>Location</b>
Hubbard & Drake	Design of Pipe Bridge & Pipe Stand Foundation- Redstone Arsenal	Huntsville, AL
Ryan Contracting, LLC	Structural Design- Foundation- Redstone Arsenal	Huntsville, AL
General Dynamics	Design of Fall Protection System- Anniston Army Depot	Anniston, AL
Turner Universal	Design of Bridge for Maintenance Facility- Anniston Army Depot	Anniston, AL
SIMCO, Inc.	Structural Design- Hellfire Missile Environmental Chamber- Footers- Redstone Arsenal	Huntsville, AL

## Site Development

<b>Client</b>	<b>Project Title/Description</b>	<b>Location</b>
Taylor-Rainwater & Associates, Inc.	Cole Estates Subdivision- Civil Package	Arab, AL
Dean Plumbing Co., Inc.	Civil & Structural Design- Snug Harbor Development	Guntersville, AL
Taylor-Rainwater & Associates, Inc.	Civil Design- Legacy Point Subdivision	Guntersville, AL
Taylor-Rainwater & Associates, Inc.	Civil & Drainage Design- Gerald T. Jones' Development	Guntersville, AL

## Financial

<b>Client</b>	<b>Project Title/Description</b>	<b>Location</b>
SIMCO, Inc.	Structural Analysis- Regions Bank- Hampton Cove	Huntsville, AL
Taylor-Rainwater & Associates, Inc.	Civil & Drainage Design- Traditions Bank	Dodge City, AL
Central Baptist Church	Design & Inspection of Old Mutual Savings Insurance Building	Decatur, AL