



## BID FORM

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### 2. BID BREAKDOWN

Provide a bid breakdown and indicate whether the work will be accomplished with subcontracted forces or with the General Contractor's own forces. It is not necessary to state the name of the subcontractor.

TRADE	SUB/OWN FORCES	VALUE \$
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EXCAVATION AND BACKFILL

LANDSCAPING

CAST - IN - PLACE CONCRETE

MASONRY

STEEL STRUCTURE, METAL WALL AND ROOF PANEL

MISCELLANEOUS METAL/FABRICATIONS

EXPANSION CONTROL

ROUGH CARPENTRY

FINISHED CARPENTRY

INSULATION

FIREPROOFING

CAULKING AND SEALANTS

HOLLOW METAL DOOR, FRAMES AND HARDWARE

FLUSH WOOD DOORS

ALUMINUM WINDOW/GLAZING

GYPSUM DRYWALL AND METAL STUD

TILE

RESILIENT FLOOR TILE AND BASE

CARPET

ACOUSTIC CEILING PANELS

PAINTING AND WALLCOVERINGS

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**2. Sitework:**

Sitework to be conducted prior to and during building construction shall include:

- 2.1 Erosion and sediment control required for construction including temporary seeding.
- 2.2 Grading for new parking area.
- 2.3 Grading for building pad.
- 2.4 Fill material required under slab to achieve floor elevation shall be compacted to 95% standard proctor. Fill material required under roadways and parking areas shall be compacted to 90% proctor. Compaction test reports shall be made available to the Owner.
- 2.5 The grading contractor and/or soils engineer shall immediately inform Owner of any unforeseen findings during site-work, which may include water, unsuitable materials including rock, unsuitable soils, caverns and such like.
- 2.6 Storm water control.
- 2.7 Extension of utilities to the building including water, sewer, electric power, and natural gas.
- 2.8 Sidewalks as required for building access from car parking area and from exit doors at each end of office. All sidewalks to be 4" thick concrete, reinforced with 6x6x10/10 WWF over 4" stone base. Step pads at personnel doors where sidewalk does not occur to be the same construction as the sidewalks. In addition provide pad for golf cart adjacent to office exit.
- 2.9 Reseeding of disturbed areas at the conclusion of the work.
- 2.10 Re-spread topsoil, seed, and mulch to areas as designated. Include an allowance of \$5,000 for landscaping. Provide an irrigation system to seeded and lawn.

**3. Concrete:**

- 3.1 Building foundations as required to meet building loads and retaining walls, shall be 3,000 psi in 28 days concrete. Foundation design based on 2,000 psi soil bearing capacity. Reinforcement in foundations shall be designed to sustain building loads and shall be stamped by an engineer licensed in Pennsylvania. All reinforcing steel to meet appropriate ASTM standards.
- 3.2 Concrete shall be 3,000 psi at 28 days breaking strength for floor slab. Concrete supplier will submit the mix design for approval by the Design/Build Contractor. Mix design shall conform to ASTM C 94-91.
- 3.3 Building floor slab to be 6" thick over 4" stone bed with, 006 poly vinyl vapor barrier. Vapor barrier shall lay under the stone bed. Floor slab to be reinforced with 6 x 6 x 6/6/ WWF. Construction joints to be doweled. Control joints to be sawn at all building column lines.
- 3.4 All interior floors, which are to be exposed, shall be trowelled to a smooth, hard finish, and to receive one coat of cure and seal membrane, Sonneborn Compound or equal.
- 3.5 All interior floors, which are to receive a finishing surface material, shall be trowelled smooth as required by the nature of the surfacing.
- 3.6 All exterior slabs shall be broom finished.
- 3.7 One set of four cylinders will be taken for each 100 CY of concrete placed (or fraction thereof), for each class or strength of ready mix. Concrete test reports shall be made available to the Owner.

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**4. Masonry:**

- 4.1 Exterior wall to office area can be metal panels or masonry ( Contractor to state on what the bid is based)
- 4.2 CMU walls, hollow and solid will conform to ASTM C90, Grande N-2. All CMU shall consist of 8" x 8" x 16" units.
- 4.3 Exterior block shall be insulated with either foam or in place insulation.
- 4.4 Block to be reinforced every second course, using galvanized wall reinforcement and anchorage as per industry standard.
- 4.5 All exterior and interior exposed surfaces to be sealed or filled and painted with epoxy/filler paint.
- 4.6 Masonry cement, Portland cement, sand, aggregate and other mix components shall conform to applicable ASTM and industry standards.

**5. Metals:**

- 5.1 Structural steel frame including columns, roof trusses and all necessary fastening and fixings to provide a secure structure in accordance with all local and national codes and requirements. All steel is have a prime coat prior to delivery to the project
- 5.2 Roof panels to be 24-gauge galvalume standing seam. Roof slope to be to manufacture's recommended standards Roof to have manufacturer's standard twenty (20) year finish warranty.
- 5.3 Wall panels shall be factory painted, 26-gauge, silicon polyester finish, with manufacturer's standard twenty (20) year finish warranty.
- 5.4 Roof and wall panels shall be free of manufacturing defects and shall be warranted by the manufacturer against perforation due to corrosion caused by normal atmospheric exposure, rupture or structural failure for a period of twenty (20) years from the date of substantial completion
- 5.5 Miscellaneous metal/rails as may be required by the work.

**6. Woods And Plastics:**

- 6.1 Blocking and backing as required.
- 6.2 Woods and plastics as required for the project.
- 6.3 Provide counter, base cabinet, and wall cabinet in office break rooms.

**7. Thermal And Moisture Protection:**

- 7.1 To include 1" perimeter foundation/slab insulation as required by code.
- 7.2 Masonry insulation as specified under part 4.3.
- 7.3 Building insulation to be reinforced vinyl backed fiberglass batt. Roof to receive 4" (R-13) insulation. Walls to receive 3" (R-11) insulation.
- 7.4 Caulk and seal all interior and exterior joints from infiltration of air, water, and insects.

**8. Doors And Windows:**

- 8.1 Exterior personnel doors to be hollow metal (insulated) in hollow metal frames, complete with closures, mullions, and trim as needed. All exterior doors to have closers, and panic hardware when required by code.
- 8.2 Interior doors located in gypsum partition walls to be solid wood interior doors.
- 8.3 Complete hardware system. Russwin, Sargent, Falcon or equal, latch and lock set. Lever handles to be used. Exterior locks to be keyed alike.
- 8.4 Two (2) 3'-0" x 7'-0" exterior hollow metal doors are in office

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- 8.5 One (1) 6'-0" x 7'-0" glass door for retail parts entrance and office lobby entrance.
  - 8.6 Two (2) 3'-0" x 7'-0" tinted exterior glass doors for office vestibule.
  - 8.7 Insulated, tinted, fixed windows 86" high at office with matching aluminum entry system.
  - 8.8 All window walls (store front) in the vestibule area to be tinted.

**9. Finishes:**

- 9.1 All office building areas to have acoustical ceiling in suspended grid system.
- 9.2 All interior partitions to be constructed of metal stud and drywall system. Drywall (gypsum) board to be 5/8" thickness.
- 9.3 Exterior wall to be furred out with drywall
- 9.4 Floor covering in office, corridors, reception area and break-rooms to be carpet. Office restroom areas to receive ceramic ti

**10. Specialties:**

- 10.1 Commercial grade toilet accessories including tissue holders, soap dispensers, paper towel holders and mirrors.
- 10.2 Restrooms to be ADA compliant (including grab bars).
- 10.3 Toilet partition to be cold rolled steel with baked enamel finish.
- 10.4 Fire extinguishers.
- 10.5 Aluminum Flagpole, 30' 0" high

**11. Furnishings:**

Furnishings are provided by Owner.

**12. Conveying System:**

This division is not used.

**13. Mechanical:**

**Plumbing**

- 13.1 Sanitary soil, waste, vent piping and related items. Sanitary piping to be schedule 40 PVC to 5' outside building limits.
- 13.2 Incoming domestic water line to be schedule 21 PVC or as allowed by local code. Interior domestic water line to be copper, insulated with 1/2" fiberglass insulation. Provide isolation valves as required.
- 13.3 Two exterior freeze proof hose bibs.
- 13.4 Toilet facilities in office area. Fixtures, including water closets, urinals, and lavatories, to be commercial grade, Kohler, American Standard or equal.
- 13.5 Water closets and urinals to receive flush valves, Sloan, Zurn or equal.
- 13.6 Toilet facilities shall conform to all applicable building codes including the Americans with Disabilities ACT (ADA).
- 13.7 One water heaters to serve all toilet areas, janitor's and break room.
- 13.8 One service sink in janitors room

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### **Fire Protection Sprinkler**

- 13.9 Provide all design, labor and materials for sprinkler protection to Facility. Meet NFPA requirements for light hazard protection in office area.
- 13.10 Complete sprinkler riser assembly including check valves, flow detection switches, bell alarm and other required components.
- 13.11 Sprinkler protection is based upon adequate flow and pressure at the base of the riser.
- 13.12 All pipe, fittings, hangers and devices to be UL listed or F.M. approved and installed in accordance with NFPA 13 and NFPA 231.

### **HVAC**

- 13.13 Office (including office vestibule) heating system using gas fired heat/electric cooling, ventilation and air conditioning units. Necessary duct work, registers, diffusers, controls and thermostats for a complete system to maintain heating at 10 degrees outside and cooling of 70 degrees at 90 degrees outside.
- 13.14 Necessary fuel gas piping system required for HVAC units.
- 13.15 Restroom exhaust fans connected to light switches.

### **14. Electrical:**

- 14.1 Incoming underground service to the building and switch board
- 14.2 Power & lighting panel boards & associated feeders
- 14.3 Distribution panels as needed for HVAC equipment.
- 14.4 120 Volts duplex receptacles as required in offices, restrooms, & break room space
- 14.5 Feeders and connections to HVAC equipment.
- 14.6 Fluorescent fixtures at office spaces.
- 14.7 Exit and emergency lighting as required by code.
- 14.8 Two Wall pack exterior lights (400W) at building perimeter.
- 14.9 Empty conduit for security system (wire & equipment by others).
- 14.10 Addressable fire alarm system.
- 14.11 Provide two data/phone boxes and conduit per office.
- 14.12 Provide additional data/phone boxes as necessary.

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**GREAT DANE TRAILERS  
SALES OFFICE  
PHILADELPHIA, PENNSYLVANIA**

**SECTION 7: APPENDICES (ATTACHMENTS):**

Geotechnical Report: Pioneer Engineering and Environmental Service  
700 Sacramento Blvd, Suite 101  
Chicago, IL 60612  
Telephone: (773) 722-9200  
Contact: Alan Levine

Civil Engineering Drawings: TEI Consulting Engineers  
Erosion Control 720 Second Street Pike  
Southampton, PA 18966  
Telephone: (215) 322-0272  
Contact: John H Leapson

Concept Drawings: Prepared by Great Dane Trailers:  
- Site layout;  
- Concept Building layout;



