Part I – General
1.1 Scope
A. Furnish letters-logos, as components, for Precision Machined Acrylic LED Lit Letters, shown on drawings and herein specified.

1.2 Submittals
A. Manufacturer’s illustrated product literature and specifications.
B. Installation, wiring and UL instructions

1.3 Quality Assurance
A. Manufacturer to have a minimum of 20 years experience in manufacturing letters.
B. All letters to be manufactured by one manufacturer.

Part II – Products
2.1 Acceptable Manufacturer or Manufacturer’s Representative
A. Gemini Incorporated
  103 Mensing Way
  Cannon Falls, MN 55009
  Phone: 800-538-8377 or 507-263-3957
  Fax: 800-421-1256 or 507-263-4887
  Email: sales@geminisignproducts.com
  Web: www.geminisignproducts.com

2.2 Materials
A. Precision Machined Acrylic: Cast Acrylic base with Translucent Acrylic face.
   2. Flame Spread Index: 115 UL723, per ASTM E84
   3. Smoke Develop. Index: 550, per UL723 and ASTM D 2843

2.3 General Construction
Precision Machined Acrylic
A. Precision cut, two part letters and logos Produced to match custom styles per custom vector art.
B. Letter base (face & return) are cut from 1-1/2” thick cast trans white acrylic. Faces or returns & backs can be painted. Faces can be covered w/ translucent 3M vinyl
C. Backs cut as separate acrylic or stainless steel pieces – assembled to base with screws (removable to service LEDs) - drilled and tapped (acrylic), or welded stud bosses (stainless steel) for a standard 2” long 10-24 aluminum stud, or longer studs with spacers, per customer requests.
D. LEDs are populated into precision cut base and wired for Class 2 lighting. LEDs can be serviced with removal of backs. LEDs light face, returns, back, or a combination of surfaces.
E. Supplied with UL Listed sign section labels, UL approved LEDs, lead cable wires and 12VDC power supplies.

2.4 Mounting Hardware
A. Precision Machined Acrylic letters are supplied with standard 36” lead cables (longer cable optional), studs for mounting, power supplies, UL wiring instructions.
All other hardware, wiring, and supplies to be provided by customer or installer.

2.5 Manufacture
A. Letters shall be made of cast acrylic bases with translucent acrylic faces.
B. Letter shall be ______________ letter style and shall be __________ inches high, as indicated on the drawings.
C. Mounting shall be ______________ and a mounting template designating stud locations is/is not required for mounting on a ______________ surface

Part III – Execution
3.1 Installation
A. A qualified installer shall install Precision Machined Acrylic Letters and Logos per NEC, UL and local electrical codes and rules.

3.2 Warranty
A. Letters should be guaranteed for the life of the business against defects.
B. LEDs and power supplies carry a 4 year defect warranty. Translucent vinyl carries a 9 year warranty.

3.3 Maintenance
A. Cleaning as needed per manufacturer recommendations. LED & wiring repairs/replacements by certified electrician.