SPECIFICATION
HAND HELD HEAT GUN

1. **USE:** This specification is for a propane fueled Heat Gun that is suitable for the application of preformed thermoplastic pavement markings on both asphalt and concrete surfaces.

2. **UL APPROVAL:** The Heat Gun shall be UL listed and approved.

3. **CONSTRUCTION:** The Heat Gun should be of sturdy design utilizing an accelerated thrust of air heated by a short flame.
   
   3.1. **Size:** The length of the Heat Gun from air intake to the end of the nozzle must be a minimum of 37". The minimum length of the hose shall be 20' with a 360º swivel joint, and the minimum width of the nozzle shall be 5".
   
   3.2. **Material:** The nozzle must be constructed from stainless steel and the gas injection venturi must be made from aluminum or other similar metals. The handle must be made of insulating plastic.
   
   3.3. **Weight:** The maximum weight of the Heat Gun without the hose and gas cylinder valve shall be 4 pounds.
   
   3.4. **Ignition:** Piezoelectric type igniter must be built into and protected by the trigger body of the Heat Gun. No pilot flame, batteries, or flint are acceptable.
   
   3.5. **Safety:** No part of the Heat Gun, including the nozzle, shall become warmer than 125 degrees F. during a three (3) minute uninterrupted run at maximum power with the ambient temperature within 60º-90ºF. Gas flow to the nozzle shall stop, thus extinguishing the flame, if the Heat Gun trigger is released.
   
   3.6. **Gas Consumption:** Maximum fuel consumption of the Heat Gun during continuous use is 8 lb./hour.
   
   3.7. **Gas Cylinder Valve:** The Heat Gun shall have an automatic safety shut off valve in case of leakage or breakage of hose or connectors. The Heat Gun shall have an adjustable regulator valve.
   
   3.8. **Heat Performance:** The Heat Gun must produce a minimum of 200,000 BTU at sea level altitude.

4. **OPERATION:** The Heat Gun shall be operated by a "dead man trigger", which when pressed, automatically ignites the Heat Gun without the use of any pilot flame in any form whatsoever.

5. **TECHNICAL SERVICES:** The successful bidder shall provide technical services and ensure spare parts supply as required.

6. **WARRANTY:** The successful bidder shall provide a twelve (12) month warranty covering parts and labor. Damage due to negligence, misuse or accident is exempted.