

## 1150C COMPACT SMALL CAPACITY REGENERATIVE BURNER



Bloom's compact direct fired regenerative burner is designed for applications where regenerative burners of less than 2 MM Btu/hour are required, which is equivalent to between 3 MM and 4 MM Btu/hour cold air. The burner and media are housed together in a compact common body.

Air preheat temperatures within 300°F or less of the products of combustion are achieved. At higher furnace temperatures, this results in thermal efficiencies of over 75% compared to cold air efficiencies of 40% or less.

The burner internals are constructed completely of ceramic material. There are no screens, supports or other metal components to deteriorate in the high temperature areas of the burner.

The burner incorporates Bloom's ceramic baffle design approach. Bloom's baffle is renowned for its flame stabilizing characteristics, low maintenance and low NO<sub>x</sub> emissions.

The burner is fabricated using heavy duty mill standards. This ensures long life and low maintenance in virtually all applications.

The standard control system utilizes impulse firing (on/off control). Using this firing technique, it is possible to achieve any level of turndown required by the process without affecting burner performance.

These burners are ideally suited for any high temperature process requiring high thermal efficiency and excellent temperature uniformity. Typical applications would be forge and higher temperature direct fired heat treating furnace. For more information, call Bloom's office nearest you or corporate headquarters in Pittsburgh.

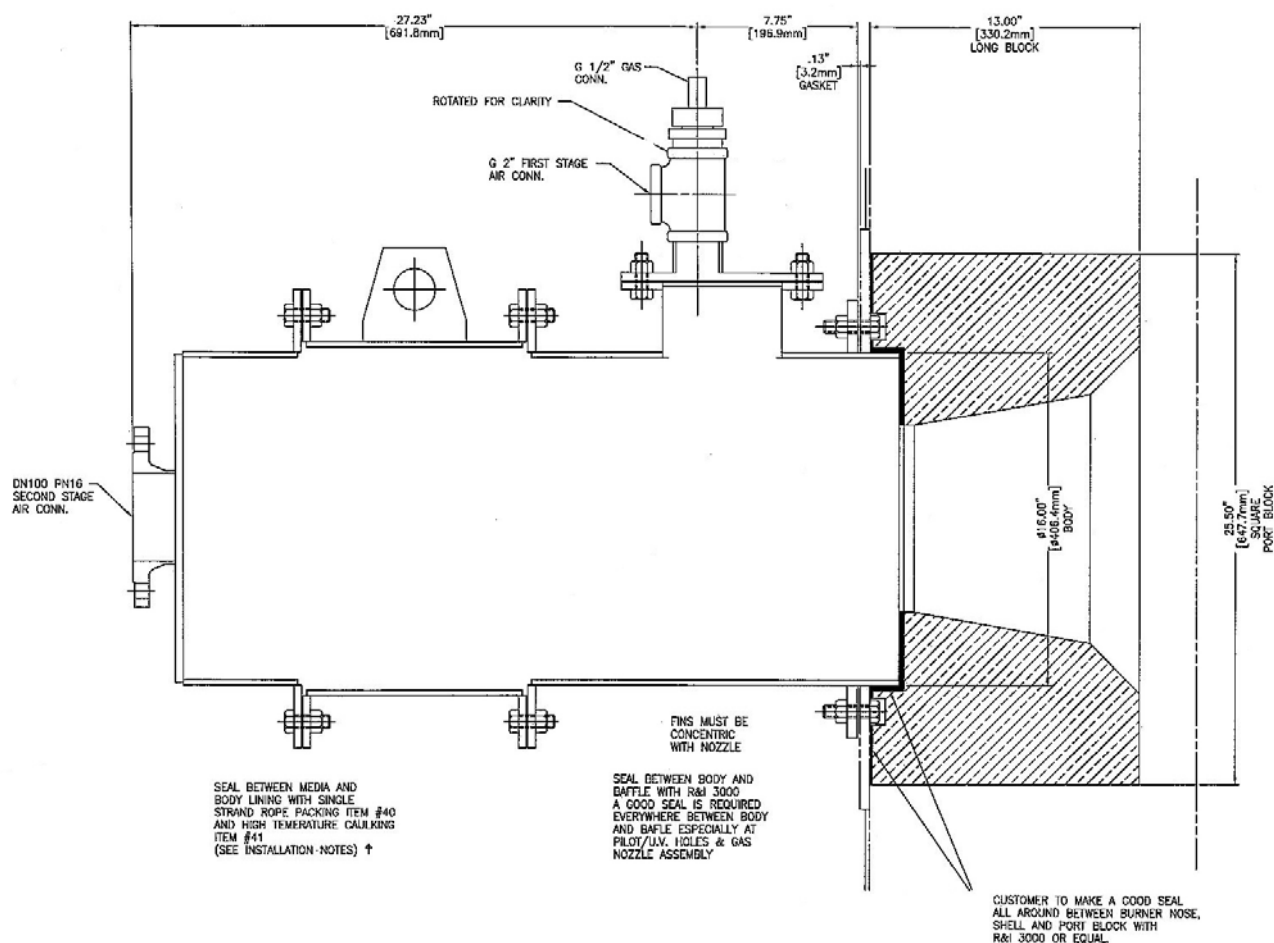
### NOMINAL CAPACITY

- 1150C-015 - 1 MM Btuh (293 kW)
- 1150C-020 - 2 MM Btuh (586 kW)

**CAUTION:** The improper use of combustion equipment can result in a condition hazardous to people and property. Users are urged to comply with National Safety Standards and/or Insurance Underwriters recommendations

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## BURNER ASSEMBLY DRAWING

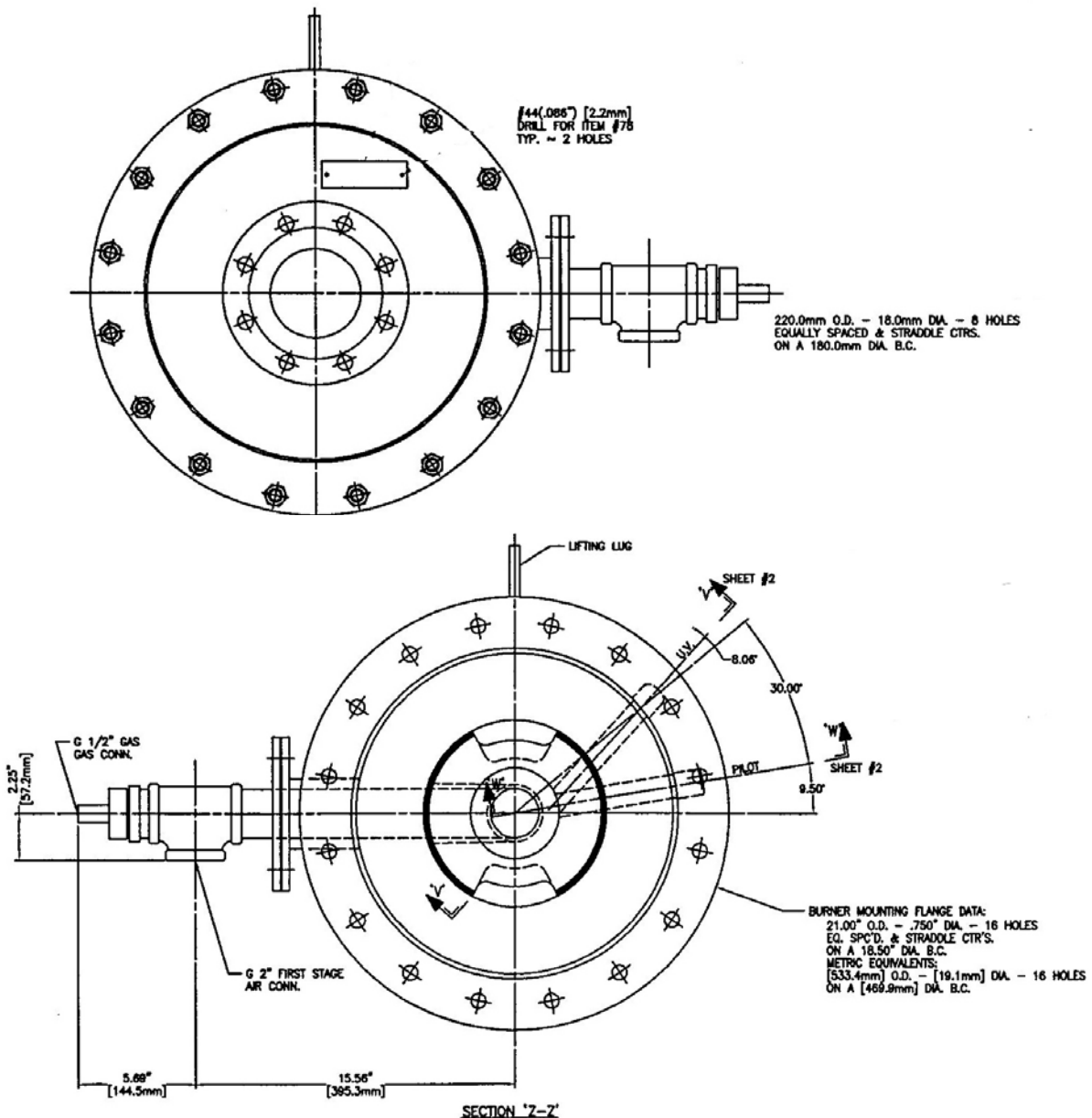


**NOTE: GENERAL DIMENSION INFORMATION. SEE BLOOM REPRESENTATIVE FOR CERTIFIED DIMENSIONS FOR CONSTRUCTION.**

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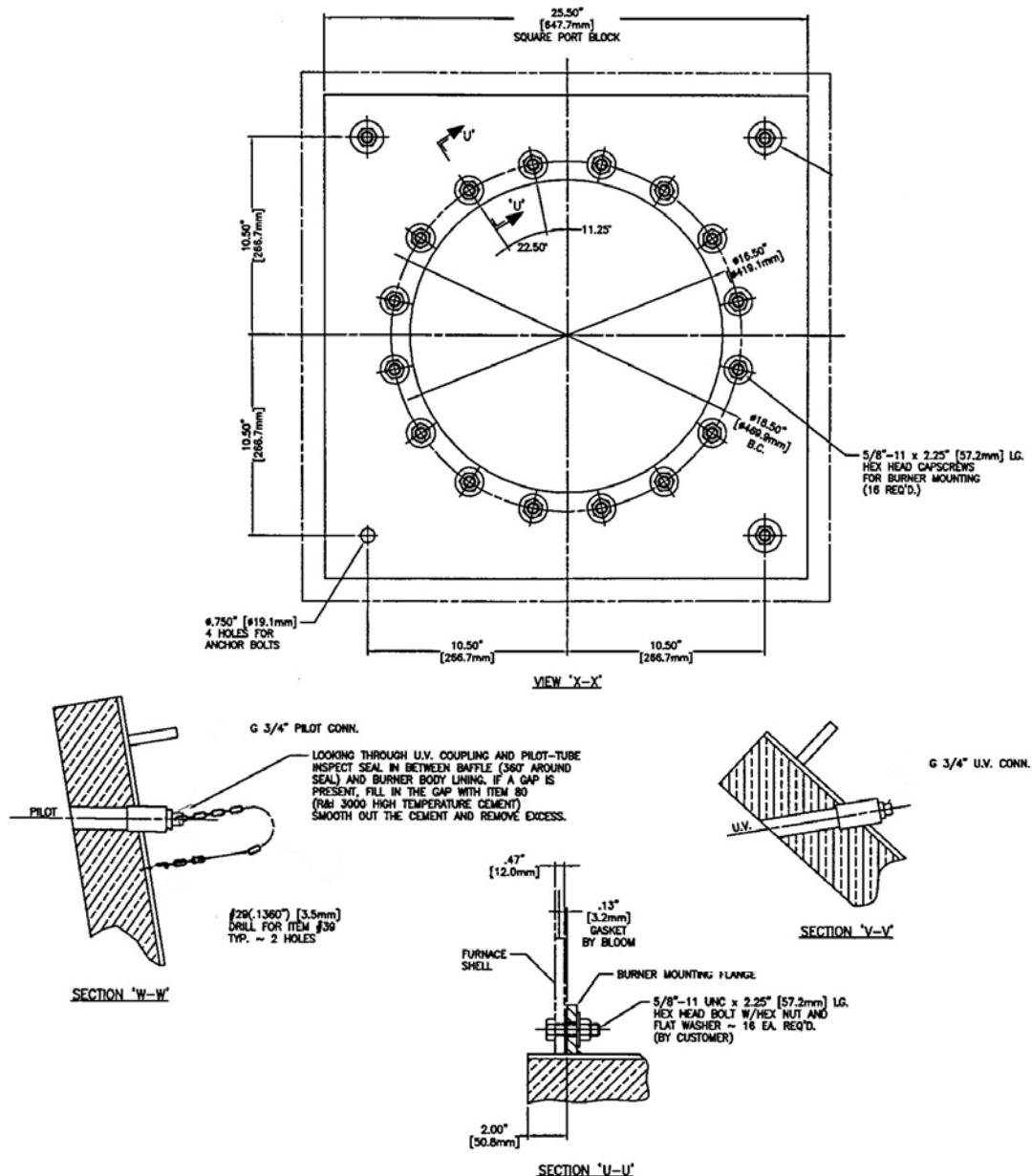


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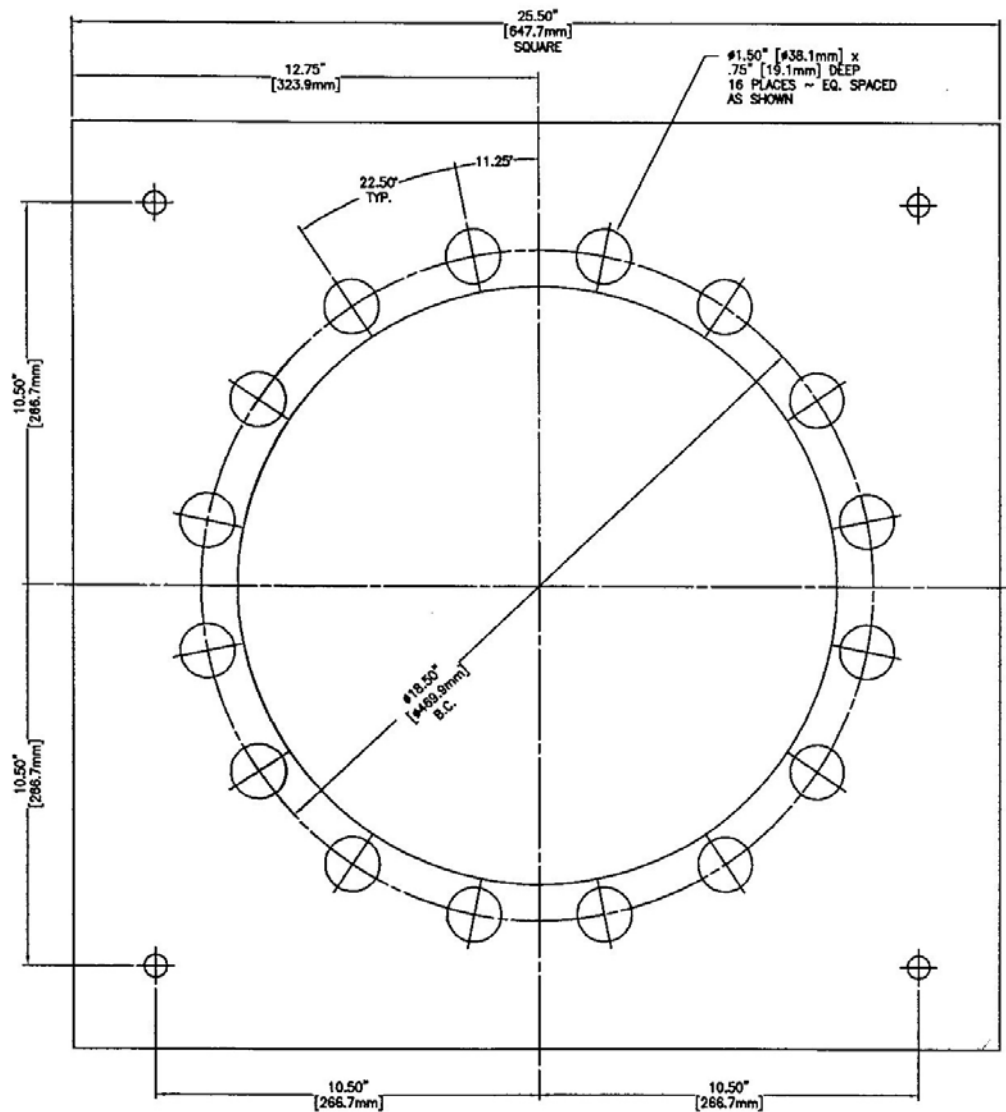


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## BURNER BLOCK DRAWING



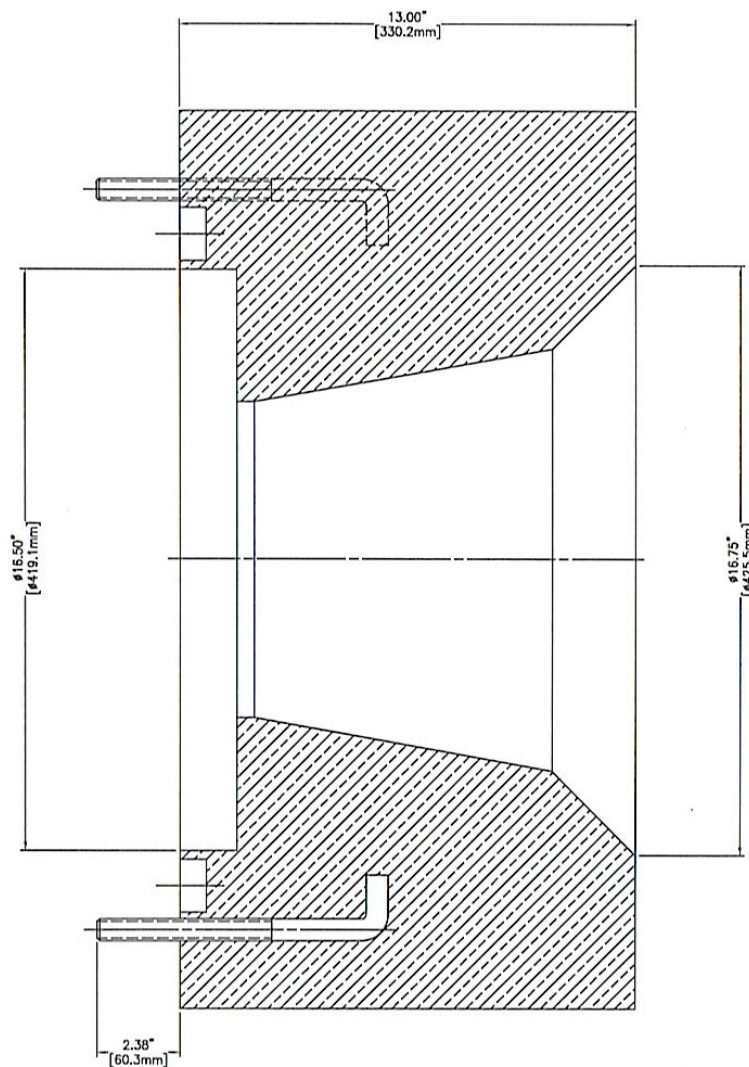
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