| Capacities for On Demand Steam Boilers |  |  |  |
| :---: | :---: | :---: | :---: |
| Water to Steam Volumetric Conversion |  | 1700 Cuft Steam per Cuft water (liquid) |  |
| Density of water <br> Specific Gravity of Steam | 62.4 lb per cuft water (liquid) |  |  |
|  | 26.8 cuft/lb steam at OPSI at 212 f |  |  |
| Boiler Model |  |  |  |
|  | SF20 | SF50 | SF100 |
| Steam Output (lb/hr) | 680 | 1725 | 3450 |
| Fuel Consumption (LPH) | 5.65 | 14 | 28 |
| Steam Output (lb/min) | 11.33 | 28.75 | 57.50 |
| Steam Output (cuft/min) | 303.73 | 770.50 | 1541.00 |
| Water Input (cuft/min) | 0.178666667 | 0.453235294 | 0.906470588 |
| 2500 Square foot house with 8' Ceiling |  |  |  |
| Theoretical time to flood and open concept building |  |  |  |
|  | 65.85 | 25.96 | 12.98 (min) |
| Water volume used | 11.76 | 11.76 | 11.76 (cuft) |
| Operation of boiler for one hour produces |  |  |  |
|  | 18224 | 46230 | 92460 (cuft) |
| 15 ' sidewall warehouse that would be filled in one hour |  |  |  |
|  | 1214.93 | 3082.00 | 6164.00 (sqft) |
| $40^{\prime} \mathrm{X}$ | 30.37 | 77.05 | 154.10 |
| 50 X | 24.30 | 61.64 | 123.28 |
| $60^{\prime} \mathrm{X}$ | 20.25 | 51.37 | 102.73 |
| $70^{\prime} \mathrm{X}$ | 17.36 | 44.03 | 88.06 |
| $80^{\prime} \mathrm{X}$ | 15.19 | 38.53 | 77.05 |
| $90^{\prime} \mathrm{X}$ | 13.50 | 34.24 | 68.49 |
| 100' X | 12.15 | 30.82 | 61.64 |
| 8' sidewall building that would be filled in one hour |  |  |  |
|  | 2278 | 5778.75 | 11557.5 sqft |
| how many houses that works out to per hour sqft |  |  |  |
|  |  |  |  |
| 1750 | 1.30 | 3.30 | 6.60 |
| 2000 | 1.14 | 2.89 | 5.78 |
| 2500 | 0.91 | 2.31 | 4.62 |
| 3000 | 0.76 | 1.93 | 3.85 |

