What is claimed is:

1. A downhole barrier device for use in wellbore operations, the device comprising:

a housing having a design; and

a rupture layer formed within the housing and having another design; wherein the housing has a first side comprising a hole adjacent to the rupture layer; wherein the first side of the housing and the adjacent rupture layer are configured to rupture at a lower pressure than an opposing side of the housing, and further wherein the housing and the rupture layer are integrally formed.

2. The downhole barrier device of claim 1 wherein the housing and rupture layer are integrally formed using a laser melting process.

3. The downhole barrier device of claim 2 wherein the housing and rupture layer are formed having a ~~density greater than 98 percent~~ porosity of less than 2%.

4. The downhole barrier device of claim 2 wherein the laser melting process is performed using a 3D printing process.

5. The downhole barrier device of claim 2 wherein the other design is selected from a plurality of designs.

6. The downhole barrier device of claim 5 where the plurality of designs includes at least two of:

at least one fabricated stress concentration;

at least one pattern of thickness less that of a thickness of the design;

a sealing layer, a support layer, and a flow hole; and

at least one shape selectable selected from a disc shape, a pinched shape, a folded shape, and a curved shape.

7. The downhole barrier device of claim 1 wherein the downhole barrier device is formed using a metal selected from a plurality of metals.

8. The downhole barrier device of claim 7 wherein the metal is selected based on operational use of the downhole barrier device.

9. A method of manufacturing a downhole barrier device for use in wellbore operations, the method comprising:

creating a housing design;

creating a rupture layer design; and

creating a formation of the downhole barrier device wherein a rupture layer is formed within a housing using the housing design and the rupture layer design;~~,~~ wherein the housing has a first side comprising a hole adjacent to the rupture layer;

wherein the first side of the housing and the adjacent rupture layer rupture at a lower pressure than an opposing side of the housing, and further wherein the housing and the rupture layer are integrally formed.

10. The method of claim 9 wherein the housing and rupture layer are integrally formed using a laser melting process.

11. The method of claim 10 wherein the housing and rupture layer are designed and formed having a ~~density greater than 98 percent~~ porosity less than 2%.

12. The method of claim 10 wherein the laser melting process is performed using a 3D printing process.

13. The method of claim 9 where creating the formation using the housing design and the rupture layer design includes creating at least two of:

a stress concentration;

at least one pattern of thickness for the rupture layer, wherein the at least one pattern of thickness is less that of a thickness of the housing;

a sealing layer, a support layer, and a flow hole; and

at least one shape selectable selected from a disc shape, a pinched shape, a folded shape, and a curved shape.

14. The method of claim 9 wherein the downhole barrier device is formed using a metal selected from a plurality of metals.

15. The downhole barrier device of claim 14 wherein the metal is selected based on operational use of the downhole barrier device.

16. A method of using a downhole barrier device to activate a downhole tool, the method comprising:

setting an integrally formed barrier casing and rupture layer in a wellbore; wherein the barrier casing has a first side comprising a hole adjacent to the rupture layer; wherein the first side of the barrier casing and the adjacent rupture layer rupture at a lower pressure than an opposing side of the barrier casing;

causing the rupture layer to rupture in response to applying force to the rupture layer.

17. The method of claim 16 wherein the barrier casing and rupture layer are integrally formed using a laser melting process.

18. The method of claim 16 wherein the laser melting process is performed using a 3D printing process.

19. The method of claim 16 wherein the downhole barrier device is formed using a metal selected from a plurality of metals and selected based on the operational use of the downhole barrier device.

20. The method of claim 16 wherein the downhole tool is one of a packer and a shift sleeve.