CLAIMS

1. A transport containment assembly comprising:

a refrigeration unit;

a container; and

a plurality of boxes for storage of cargo and configured in series with one-another and stacked in a multitude of rows for the flow of cooling air from the refrigeration unit,

wherein adjacent boxes of the plurality of boxes are detachably engaged to one another, and

wherein each one of the plurality of boxes define a cavity and each cavity of the adjacent boxes are in fluid communication with one another.

2. The transport containment assembly set forth in claim 1, wherein each one of the plurality of boxes are insulated.

3. The transport containment assembly set forth in claim 1 further comprising:

a supply duct in fluid communication between the refrigeration unit and a leading box of the plurality of boxes.

4. The transport containment assembly set forth in claim 3, wherein the supply duct is detachably connected to the leading box.

5. The transport containment assembly set forth in claim 1 further comprising:

a return duct in fluid communication between the refrigeration unit and a trailing box of the plurality of boxes.

6. The transport containment assembly set forth in claim 5, wherein the return duct is detachably connected to the trailing box.

7. The transport containment assembly set forth in claim 1 further comprising:

a supply duct in fluid communication between the refrigeration unit and a leading box of the plurality of boxes, and wherein the supply duct is detachably connected to the leading box; and

a return duct in fluid communication between the refrigeration unit and a trailing box of the plurality of boxes, and wherein the return duct is detachably connected to the trailing box.

8. The transport containment assembly set forth in claim 1, wherein at least a portion of the plurality of boxes include a temperature sensor for measuring temperature of the cooling air.

9. The transport containment assembly set forth in claim 1, wherein each one of the plurality of boxes include a contoured top surface and a contoured bottom surface for stacking and guiding the plurality of boxes on top of one-another.

10. The transport containment assembly set forth in claim 9, wherein one of the top and bottom surfaces includes at least one groove and the other of the top and bottom surfaces includes at least one rail for receipt in the groove.

11. The transport containment assembly set forth in claim 10, wherein the grooves and the rails extend longitudinally in the direction of box engagement.

12. The transport containment assembly set forth in claim 1, wherein each one of the plurality of boxes include an inlet port and an outlet port for the flow of cooling air.

13. The transport containment assembly set forth in claim 12 further comprising:

a first isolation device constructed and arranged to close the inlet port; and

a second isolation device constructed and arranged to close the outlet port.

14. The transport containment assembly set forth in claim 13, wherein the first isolation device includes a pivoting damper and a resilient member, wherein the pivoting damper is biased in a closed position by the resilient member.

15. The transport containment assembly set forth in claim 14, wherein the flow of cooling air produces a differential pressure across the pivoting damper sufficient to open the first isolation device.

16. The transport containment assembly set forth in claim 13, wherein the second isolation device includes a shutter constructed and arranged to slide over the outlet port.

17. The transport containment assembly set forth in claim 16 further comprising:

an alignment feature carried between adjacent first and second boxes of the plurality of boxes for aligning the outlet port of the first box with the inlet port of the second box.