CLAIMS:

1. An evaporator air duct panel (54) for a refrigeration system (10) having an evaporator (18) and an evaporator air duct (40) at least partially defined by the evaporator air duct panel, the evaporator air duct panel comprising:

a plurality of standoffs (60) extending from the evaporator air duct panel, the plurality of standoffs configured to extend into the evaporator air duct; and

a component housing portion (58) extending from the evaporator air duct panel into the evaporator air duct and forming a low-flow area (70) below the component housing portion;

characterised in that the plurality of standoffs are arranged in a pattern that includes a first group (80), a second group (82), a third group (84) and a fourth group (86) arranged linearly along an air flow direction (72); and

in that the first group, and the fourth group comprise standoffs angled relative to the air flow direction for directing air to the low-flow area.

2. The evaporator air duct panel (54) of claim 1, wherein at least one standoff (60) of the plurality of standoffs is oval shaped.

3. The evaporator air duct panel (54) of claim 1, wherein at least one standoff (60) of the plurality of standoffs is airfoil shaped.

4. The evaporator air duct panel (54) of claim 1, wherein the first and fourth groups (80,86) comprise standoffs (60) angled between 0° and 45° relative to the airflow direction (72).

5. The evaporator air duct panel (54) of claim 1, wherein each standoff (60) of the plurality of standoffs comprises a base surface (62) and a distal surface (64) connected by sidewalls (66).

6. The evaporator air duct panel (54) of claim 5, wherein the sidewalls (66) include rounded portions (68) configured to direct airflow around the standoff (60).

7. A refrigeration system (10) comprising:

an evaporator (18);

an evaporator air duct panel (54) as claimed in claim 1 disposed downstream of the evaporator; and

an evaporator air duct (40) at least partially defined by the air duct panel and configured to receive an airflow from the evaporator.

8. The system of claim 7, wherein at least one standoff (60) of the plurality of standoffs is oval shaped.

9. The system of claim 7, wherein at least one standoff (60) of the plurality of standoffs is airfoil shaped.

10. The system of claim 7, wherein the first and fourth groups (80,86) comprise standoffs (60) angled between 0° and 45°relative to the airflow direction (72).

11. The system of claim 7, wherein each standoff (60) of the plurality of standoffs comprises a base surface (62) and a distal surface (64) connected by sidewalls (66).

12. The system of claim 11, wherein the sidewalls (66) include rounded portions (68) configured to direct airflow around the standoff (60).

13. The system of claim 11, further comprising a cargo container (20) configured to hold cargo (32), the refrigeration system (10) coupled to the cargo container to provide a temperature controlled environment (34) within the cargo container.

14. The system of claim 13, further comprising an air inlet (36) located at a top of the refrigeration system (10) to receive air from an upper portion of the temperature controlled environment (34) and an air outlet (42) located at a bottom of the refrigeration system to supply air from the evaporator air duct (40) to a lower portion (44) of the temperature controlled environment, wherein the cargo container (20) is a marine cargo container.