CLAIMS

What is claimed is:

1. A reconfigurable partition system comprising:

a plurality of modules configured to be arranged into a modular structure, wherein each module comprises a connection component configured to be attached to a connection component of another module;

a first connection interface component configured to reversibly attach first and second connection components together at an attachment interface, the first connection interface component comprising first and second channel engagement elements that are oriented in a non-parallel arrangement relative to one another; and

a second connection interface component separate and distinct from the first connection interface component and configured to reversibly attach the first and second connection components together at the attachment interface, the second connection interface component comprising first and second channel engagement elements that are oriented in a non-parallel arrangement relative to one another,

wherein the first connection interface component connects the first and second connection components together so that corresponding first sides of the first and second connection components are secured to one another at a fixed first distance from one another and the second connection interface component connects the first and second connection components together so that corresponding second sides of the first and second connection components are secured to one another at a fixed second distance from one another that is greater than the first distance such that the first and second connection interface components attach the first and second connection components together in a fixed and angled arrangement.

2. The reconfigurable partition system of claim 1, wherein each of the first and second connection interface components is configured to be inserted into an attachment interface channel of one or more connection components.

3. The reconfigurable partition system of claim 1, wherein each of the connection interface components comprises an elongated member configured to be removably secured within respective attachment interface channels of the first and second connection components.

4. The reconfigurable partition system of claim 1, wherein each of the connection interface components comprises an intermediate member that is connected between the corresponding first and second channel engagement elements.

5. The reconfigurable partition system of claim 4, wherein the intermediate member of the second connection interface component comprises a first part and a second part that form a non-planar angle.

6. The reconfigurable partition system of claim 1, wherein at least one of the connection interface components comprises a trim element.

7. The reconfigurable partition system of claim 6, wherein the trim element is linked to the first and second channel engagement elements by an extension member.

8. The reconfigurable partition system of claim 1, wherein each channel engagement element comprises a first end and a second end, wherein the first ends of the first and second channel engagement elements of the first connection interface component are positioned closer together than the second ends of the first and second channel engagement elements of the second connection interface component.

9. A reconfigurable partition system comprising:

a first module comprising:

a first connection component configured to be attached to a connection component of another module, the first connection component comprising two first interface channels; and

a first tile connected to the first connection component;

a second module comprising:

a second connection component configured to be attached to the first connection component of the first module, the second connection component comprising two second interface channels; and

a second tile connected to the second connection component; and

first and second connection interface components that are separate and distinct from one another and that are configured to reversibly attach the first connection component to the second connection component in a fixed, non-parallel configuration, wherein:

the first connection interface component comprises first and second channel engagement elements that are oriented in a fixed non-parallel arrangement relative to one another, the first channel engagement element being configured for insertion into one of the two first interface channels and the second channel engagement element being configured for insertion into one of the two second interface channels;

the second connection interface component comprises first and second channel engagement elements that are oriented in a fixed non-parallel arrangement relative to one another, the first channel engagement element being configured for insertion into the other of the two first interface channels and the second channel engagement element being configured for insertion into the other of the two second interface channels.

10. The reconfigurable partition system of claim 9, wherein the first and second channel engagement elements form an angle of between about 2.5° and about 15°.

11. The reconfigurable partition system of claim 9, wherein at least one of the first and second connection interface components comprises an intermediate member extending between the first and second channel engagement elements.

12. The reconfigurable partition system of claim 11, wherein the intermediate member comprises a first part and a second part, the first and second parts forming a fixed angle.

13. The reconfigurable partition system of claim 11, wherein the intermediate member maintains the first and second channel engagement elements in the fixed non-parallel arrangement.

14. The reconfigurable partition system of claim 11, wherein the at least one of the first and second connection interface components comprises an extension member extending from the intermediate member.

15. The reconfigurable partition system of claim 14, wherein the at least one of the first and second connection interface components further comprises a trim element connected to the extension member opposite the intermediate member.

16. The reconfigurable partition system of claim 15, wherein the trim element is configured to seal a gap formed between the attached connection components.

17. The reconfigurable partition system of claim 9, wherein the first and second connection interface components attach the first connection component to the second connection component such that the first and second modules form a first angle that is fixed and opens to a first side of the reconfigurable partition system.

18. The reconfigurable partition system of claim 17, further comprising:

a third module comprising:

a third connection component configured to be attached to a connection component of another module, the third connection component comprising two third interface channels; and

a third tile connected to the third connection component; and

third and fourth connection interface components configured to reversibly attach the third connection component to a connection component of the second module in a non-parallel configuration.

19. The reconfigurable partition system of claim 18, wherein the third and fourth connection interface components attach the third connection component to a connection component of the second module such that the second and third modules form a second angle.

20. The reconfigurable partition system of claim 19, wherein the second angle opens to a second side of the reconfigurable partition system.

21. The reconfigurable partition system of claim 19, wherein the first and second angles are different from one another.

22. A method of assembling a reconfigurable partition system, the method comprising:

providing a first partition module and a second partition module, the first partition module comprising a first connection component, the first connection component comprising first and second first interface channels, the second partition module comprising a second connection component, the second connection component comprising first and second second interface channels;

aligning the first and second first interface channels with the first and second second interface channels such that the first partition module is oriented in a non-parallel configuration relative to the second partition module, the aligned first first interface channel and the first second interface channel forming a first attachment channel and the second first interface channel and the second second interface channel forming a second attachment channel; and

reversibly attaching the first partition module to the second partition module by inserting a first connection interface component into the first attachment channel and a second connection interface component into the second attachment channel, the second connection interface component being separate and distinct from the first connection

interface component, the attached first and second partition modules being oriented in a fixed and non-parallel configuration, each of the first and second connection interface components comprising first and second channel engagement elements oriented in a non-parallel arrangement relative to one another such that the first channel engagement element is disposed in the first interface channel and the second channel engagement element is disposed in the second interface channel.