CLAIMS

What is claimed is:

1. A reconfigurable wall system comprising:

a module configured to be arranged into a modular structure, wherein the module comprises a connection component configured to be attached to a corresponding connection component of a different module at an attachment interface, the connection component comprising:

a first accessory channel disposed within the connection component, wherein the first accessory channel is configured to receive and secure a cantilever arm from a lateral side of the connection component; and

a portion of a second accessory channel disposed on the connection component and adjacent to the attachment interface, the second accessory channel being:

defined by a portion of the second accessory channel and a corresponding portion of the second accessory channel of the corresponding connection component secured to the connection component at the attachment interface, and

configured to receive and secure a cantilever arm from the lateral side of the first connection component,

wherein a cantilever arm of an accessory attachment mechanism extends into the first accessory channel and a cantilever arm of a support rail extends into the second accessory channel.

2. The system of claim 1, wherein the first accessory channel of the connection component is defined by a contour of the connection component.

3. The system of claim 1, wherein the connection component comprises an accessory channel divider residing immediately between the first accessory channel and the portion of the second accessory channel, the accessory channel divider at least partially defining the first accessory channel and the portion of the second accessory channel.

4. The system of claim 3, wherein the accessory channel divider is rectangular in shape.

5. The system of claim 3, wherein the accessory channel divider defines a flat surface within the second accessory channel, the flat surface being configured to support an extension of the cantilever arm of the support rail.

6. The system of claim 5, wherein the support rail is configured to support at least one modular ceiling tile.

7. A reconfigurable wall system comprising:

a plurality of modules configured to be arranged into a modular structure, wherein each module comprises a first connection component and a second connection component, wherein:

each first connection component is configured to be attached to a separate second connection component of a separate module at a first attachment interface,

each second connection component is configured to be attached to a separate first connection component of a separate module at a second attachment interface, and

at least one first connection component comprises:

a first accessory channel defined by contours of the at least one first connection component, wherein the first accessory channel is configured to receive and secure a cantilever arm from a lateral side of the at least one first connection component; and

a portion of a second accessory channel, the second accessory channel being fully defined by the portion of the second accessory channel and a corresponding portion of the second accessory channel of a separate second connection component, wherein the second accessory channel is configured to receive and secure a cantilever arm from the lateral side of the at least one first connection component;

a support rail securable within the second accessory channels;

a ceiling tile supportable by the support rail; and

a wall panel securable to the at least one first connection components.

8. The system of claim 7, further comprising a door-opening header module configured to be secured to at least one second connection component.

9. The system of claim 8, wherein the door-opening header module is disposed above a door-opening, and wherein the ceiling tile is substantially flush with the door-opening header module.

10. The system of claim 7, wherein the support rail includes a cantilever arm configured to extend into the second accessory channel, the cantilever arm securing the support rail to the second accessory channel of the at least one connection component.

11. The system of claim 8, wherein the door-opening header module is attached to the separate second connection component via a connection interface component at the separate second connection component attachment interface.

12. The system of claim 7, wherein a gap resides between the wall panel and the ceiling tile, wherein the gap is configured to allow access into the first accessory channel by an accessory attachment mechanism.

13. A modular connection component configured to be reversibly secured to one or more additional modular connection components at an attachment interface to form a modular structure, the modular connection component comprising:

at least one interface element configured to be aligned with a corresponding interface element of a second modular connection component;

a first accessory channel configured to receive and secure a first cantilever arm from a lateral side of the modular connection component;

a portion of a second accessory channel configured to receive and secure a second cantilever arm from the lateral side of the modular connection component, wherein the second accessory channel is fully defined by the portion of the second accessory channel and a corresponding portion of the second accessory channel of an additional modular connection component secured to the modular connection component at the attachment interface; and

an accessory channel divider at least partially defining the portion of the second accessory channel, the accessory channel divider comprising a contoured shape configured to support an extension of the second cantilever arm.

14. The modular connection component of claim 13, wherein a portion of the contoured shape of the accessory channel divider defines a flat surface within the second accessory channel, the flat surface being configured to support the extension of the second cantilever arm.

15. The modular connection component of claim 13, wherein the accessory channel divider resides immediately between the first accessory channel and the portion of the second accessory channel.

16. The modular connection component of claim 13, wherein the accessory channel divider at least partially defines the first accessory channel and the portion of the second accessory channel.

17. The modular connection component of claim 13, wherein the accessory channel divider is rectangular in shape.

18. The modular connection component of claim 13, further comprising at least one attachment element configured to attach to one or more modular wall panels.

19. The modular connection component of claim 18, wherein the first accessory channel and the portion of the second accessory channel reside above the at least one attachment element.