CLAIMS

We claim:

1. A modular wall system with an integrated pocket door, wherein the modular wall system comprises:

a frame at least partially defining a doorway and a wall plane;

one or more panels detachably connected to at least a portion of the frame;

a support member extending above the frame across at least a portion of the doorway and across at least a portion of the wall plane, the support member comprising an integrated track;

a plurality of access windows integrated into the support member and providing access to the interior of the support member, the plurality of windows being disposed at discrete locations along a length of the support member above the integrated track, wherein: (i) at least one access window is positioned above the doorway, and (ii) at least one access window is positioned above the wall; and

a translatable pocket door engaging with the track of the support member such that: (i) when closed, the pocket door blocks the doorway, and (ii) when open, the pocket door is at least partially enclosed behind the one or more panels.

2. The modular wall system of claim 1, further comprising one or more roller mechanisms coupled to the pocket door at a top of the pocket door and at least partially disposed within the integrated track of the support member.

3. The modular wall system of claim 2, wherein the one or more roller mechanisms are removable from the integrated track through the one or more access windows.

4. The modular wall system of claim 2, further comprising a damping mechanism configured to interact with the one or more roller mechanisms to dampen movement of the pocket door upon opening or shutting of the pocket door.

5. The modular wall system of claim 1, wherein the one or more access windows are positioned so as to be behind the one or more panels when the one or more panels are attached to the frame.

6. The modular wall system of claim 1, further comprising one or more trim elements attached to the frame, wherein at least one of the one or more trim elements is configured to maintain the pocket door in a substantially coplanar position relative to the frame.

7. The modular wall system of claim 1, further comprising one or more trim elements attached to the frame, wherein at least one of the one or more trim elements is configured to restrict wobbling of the pocket door as the pocket door is moved between open and closed positions.

8. The modular wall system of claim 1, wherein the frame includes at least three vertical members, wherein a first and a second vertical member at least partially define the doorway, and wherein the second vertical member and a third vertical member at least partially define the wall plane.

9. The modular wall system of claim 8, wherein the frame further includes a plurality of horizontal frame members extending between the second and third vertical members, the horizontal frame members providing a coupling surface to which at least a portion of the one or more panels are attached.

10. The modular wall system of claim 1, further comprising a base frame member, the base frame member including a channel configured to receive a bottom portion of the pocket door to assist in guiding the pocket door as it is moved between open and closed positions.

11. The modular wall system of claim 10, wherein the pocket door is further supported by the base frame member.

12. The modular wall system of claim 10, further comprising a guide disposed at a bottom portion of the doorway, the guide being received into a channel of the pocket door, and the guide being configured to assist in guiding the pocket door as it is moved between open and closed positions.

13. A modular wall system with an integrated pocket door, wherein the modular wall system comprises:

a frame at least partially defining a doorway and a wall plane;

a support member extending across at least a portion of the doorway and across at least a portion of the wall plane, the support member comprising an integrated track;

a translatable pocket door configured to engage with the track of the support member such that when closed, the pocket door blocks the doorway, and when open, the pocket door is at least partially enclosed within the wall plane;

a roller mechanism coupled to the pocket door at a top of the pocket door and at least partially disposed within the integrated track of the support member; and

a damping mechanism configured to interact with the roller mechanism to dampen movement of the pocket door upon opening or shutting of the pocket door, the damping mechanism being disposed above the roller mechanism during interaction of the roller mechanism with the damping mechanism.

14. The modular wall system of claim 13, wherein the roller mechanism includes a latch, the latch being configured to engage with a catch of the damping mechanism as the roller mechanism passes underneath the damping mechanism, thereby enabling the damping mechanism to dampen movement of the pocket door.

15. The modular wall system of claim 14, wherein the catch is configured to engage with the latch as the roller mechanism moves laterally toward an open or closed position, and wherein the catch is configured to disengage from the latch as the roller mechanism moves medially away from the open or closed position.

16. The modular wall system of claim 15, wherein the catch is configured to disengage from the latch by angling away from the latch upon sufficient medial movement of the roller mechanism.

17. The modular wall system of claim 16, wherein the catch is positioned within the damping mechanism in a catch channel, the catch channel enabling the catch to translate within the damping mechanism, and the catch channel having an angled portion near a medial end of the damping mechanism that enables the catch to angle away from the latch upon the catch entering the angled portion.

18. The modular wall system of claim 13, further comprising one or more panels detachably connected to at least a portion of the frame.

19. The modular wall system of claim 13, further comprising one or more access windows integrated into the support member and providing access to the interior of the support member.

20. A modular wall system with an integrated pocket door, wherein the modular wall system comprises:

a frame at least partially defining a doorway and a wall plane;

one or more panels detachably connected to at least a portion of the frame;

a support member extending across at least a portion of the doorway and across at least a portion of the wall plane, the support member comprising an integrated track;

one or more access windows integrated into the support member and providing access to the interior of the support member, the one or more access windows being disposed at one or more discrete locations along a length of the support member;

a translatable pocket door configured to engage with the track of the support member such that when closed, the pocket door blocks the doorway, and when open, the pocket door is at least partially enclosed behind the one or more panels;

a roller mechanism coupled to the pocket door at a top of the pocket door and at least partially disposed within the integrated track of the support member; and

a damping mechanism configured to interact with the roller mechanism to dampen movement of the pocket door upon opening or shutting of the pocket door, the damping mechanism being disposed above the roller mechanism during interaction of the roller mechanism with the damping mechanism.