through an interior of the demising wall assembly. A plurality of hanger elements may be operably attached to the exterior surfaces of the two substrate panels, and the plurality of hanger elements may be configured to connect to a plurality of removable finish panels. The wall may comprise a conduit exterior to the two substrate panels, wherein the conduit may be received, at least partly, in a conduit engagement feature of at least one hanger element of the plurality of hanger elements.

[0004] Some example embodiments include methods of assembling a prefabricated demising wall in a building. In some examples, a method may include placing a demising wall assembly over a first beam of a structural frame of a building, wherein the demising wall assembly may include two wall substrate panels and metal studs connecting interior surfaces of the wall substrate panels. The wall may comprise a plurality of hanger elements operably attached to the exterior surfaces of the two wall substrate panels, wherein a fire suppressant pipeline may be installed between the two wall substrate panels. The wall may comprise a conduit exterior to the two substrate panels, wherein the conduit may be received, at least partly, in a conduit engagement feature of at least one hanger element of the plurality of hanger elements. A lower portion of the demising wall assembly may then be attached to the structural frame using angle brackets attached to opposite sides of the demising wall assembly. An upper portion of the demising wall may then be connected to an upper floor and ceiling panel using a compensating track movably connected to the metal studs.

[0005] An example method of assembling a prefabricated demising wall assembly at a site distant from a building site may also be disclosed. The method may include attaching a plurality of non-combustible boards to a frame comprising a plurality of metal studs that forms two wall substrate panels of a demising wall panel separated by a space therebetween. Each of the two wall substrate panels may have an interior and exterior surface, and the wall substrate panels may be configured to span between a floor and a ceiling of a building unit. The interior surfaces of each of a plurality of hanger elements may be attached to the exterior surfaces of at least one of the two wall substrate panels. Conduit configured for the routing of electrical wire may then be installed to or proximate to at least one of the plurality of hanger elements, and

electrical wire may then be installed into the conduit configured for routing the electrical wire. A plurality of finish panels may then be removably installed to the plurality of hanger elements.

BRIEF DESCRIPTION OF THE DRAWINGS

[0006] The foregoing and other features of the present disclosure will become more fully apparent from the following description and appended claims, taken in conjunction with the accompanying drawings. Understanding that these drawings

WHAT IS CLAIMED IS:

1. A prefabricated demising wall assembly, comprising:

two substrate panels each with an interior and exterior surface, wherein the substrate panels are configured to span between a floor and a ceiling of a building unit;

a plurality of metal studs that connect the interior surfaces of the two substrate panels, wherein the plurality of metal studs define a space between the substrate panels;

a fire sprinkler pipeline between the two substrate panels, wherein at least some of the plurality of metal studs have an aperture that accommodates the fire sprinkler pipeline through an interior of the demising wall assembly;

a plurality of hanger elements operably attached to the exterior surfaces of the two substrate panels, wherein the plurality of hanger elements are configured to connect to a plurality of removable finish panels; and

a conduit exterior to the two substrate panels, wherein the conduit is received, at least partly, in a conduit engagement feature of at least one hanger element of the plurality of hanger elements.

2. The demising wall assembly of claim 1, wherein the at least one hanger element comprises an elongate member having a constant cross-section and that extends horizontally along substantially a full length of at least one of the substrate panels.

3. The demising wall assembly of claim 2, wherein the elongate member comprises a fiber reinforced plastic.

4. The demising wall assembly of claim 1, wherein the at least one hanger element comprises an extruded aluminum member.

5. The demising wall assembly of claim 1, further comprising a compensating track along a top portion of the demising wall assembly for connection of the demising wall assembly, wherein the compensating track is movably coupled to the plurality of metal studs.

6. The demising wall assembly of claim 5, further comprising a strap coupled to the compensating track and that extends outward from opposing sides of the compensating track, wherein a length of the strap is greater than a distance between outward most ends of the plurality of hanger elements.

7. The demising wall assembly of claim 5, wherein:

the compensating track comprises at least one downwardly extending flange with a slot; and

at least one of plurality of the metal studs is slidably connected to the least one downwardly extending flange via the slot.

8. The demising wall assembly of claim 7, further comprising:

an aluminum composite material (ACM) panel with a bottom surface, wherein:

at least one of the plurality of the hanger elements comprises an upward facing channel;

prior to the installation of the demising wall assembly, the bottom surface of the ACM panel rests in the upward facing channel of the at least one of the hanger elements; and

after the installation of the demising wall assembly, the ACM panel is attached to the compensating track and the bottom surface no longer rests in the upward facing channel.

9. The demising wall assembly of claim 1, wherein the conduit engagement feature comprises a U-shaped channel defined by an exterior surface of the at least one hanger element.

10. The demising wall assembly of claim 1, wherein the conduit engagement feature comprises a cavity defined by one or more interior surfaces of the at least one hanger element.

11. The demising wall assembly of claim 1, further comprising at least one vertical rod connected to an exterior surface of the plurality of hanger elements, wherein the vertical rod is configured to vertically separate the plurality of removable finish panels.

12. A method to assemble a prefabricated demising wall in a building, the method comprising:

placing a demising wall assembly over a first beam of a structural frame of a building, wherein the demising wall assembly includes:

two wall substrate panels and metal studs that connect interior surfaces of the wall substrate panels;

a plurality of hanger elements operably attached to the exterior surfaces of the two wall substrate panels, wherein a fire suppressant pipeline is installed between the two wall substrate panels; and

a conduit exterior to the two substrate panels, wherein the conduit is received, at least partly, in a conduit engagement feature of at least one hanger element of the plurality of hanger elements;

attaching a lower portion of the demising wall assembly to the structural frame using angle brackets attached to opposite sides of the demising wall assembly; and

connecting an upper portion of the demising wall to an upper floor and ceiling panel using a compensating track movably connected to the metal studs.

13. A method to assemble a prefabricated demising wall assembly at a site distant from a building site, the method comprising:

attaching a plurality of non-combustible boards to a frame comprising a plurality of metal studs to form two wall substrate panels of a demising wall panel separated by a space therebetween, wherein each of the two wall substrate panels has an interior and exterior surface, and wherein the wall substrate panels are configured to span between a floor and a ceiling of a building unit;

attaching interior surfaces of each of a plurality of hanger elements to the exterior surface of at least one of the two wall substrate panels;

installing a conduit configured to route electrical wire to or proximate to at least one of the plurality of hanger elements;

installing electrical wire into the conduit; and

removably installing a plurality of finish panels to the plurality of hanger elements.

14. The method of claim 13, wherein installing the conduit configured to route the electrical wire includes installing the conduit within a space between the wall substrate panels and the finish panels, and wherein the plurality of hanger elements have an aperture wherein the conduit is installed within.

15. The method of claim 13, wherein the plurality of hanger elements have an interior and exterior aperture, and wherein the conduit is installed within the interior aperture.

16. The method of claim 13, wherein the plurality of hanger elements have an interior aperture and an exterior aperture, and wherein the conduit is installed within the exterior aperture.

17. The method of claim 13, wherein the plurality of hanger elements have an interior aperture, an intermediate aperture, and an exterior aperture, wherein the conduit is installed within the intermediate aperture.

18. The method of claim 13, wherein the conduit is installed temporarily.

19. The method of claim 13, wherein each of the plurality of hanger elements further comprise a first horizontal surface and a second horizontal surface, and wherein the method further comprises:

temporarily installing sound insulation between the first horizontal surface of a first hanger element and the second horizontal surface of a second hanger element.