CLAIMS

1. An access structure integration assembly comprising:

at least one channeled structure including a linear gap, a solid, flattened bottom portion having a plurality of apertures, and two flattened side walls extending upward from the bottom portion , each side wall portion terminating in a flange extending from the side wall portions such that the flanges extend toward each other, thereby creating the linear gap;

at least one socket comprising a hollow tubular body, and a base ; and

a deck retainer,

wherein the socket is slidingly engaged with the channeled structure using at least one T-bolt which is slidingly engaged with the linear gap.

2. The assembly of claim 1, wherein the bottom portion of the at least one channeled structure is configured to secure to an elongate structural member by a plurality of bolts, each of said bolts configured to engage a corresponding aperture of the plurality of apertures.

3. The assembly of claim 2, wherein the channeled structure is configured to secure to the elongate structural member of a base structure, the elongate structural member comprising a plurality of intersecting diagonal support members and the socket is configured to secure to a second structure.

4. The assembly of claim 3, wherein the base structure is a suspended work platform system.

5. The assembly of claim 4, wherein the second structure is a supported work platform system.

6. A base structure comprising:

at least one unit comprising at least two elongate structural members;

at least two access structure integration assemblies, each assembly secured to and parallel with a respective one of the elongate structural members of the at least one unit, each integration assembly comprising

at least one channeled structure including a linear gap, wherein the channeled structure comprises a bottom portion having a plurality of apertures, and

at least one socket comprising a hollow tubular body, a base and at least one T-bolt, wherein the base of the socket is slidingly engaged with the linear gap of the channeled structure using the at least one T-bolt,

wherein each of the channeled structures of the integration assemblies is secured to and parallel with one of the elongate structural members.

7. The base structure of claim 6, wherein the at least two elongate structural members each comprise an upper element, a lower element, and a plurality of diagonal support members interspersed between the upper and lower elements, wherein at least two pairs of the diagonal support members intersect to form at least two panel points along the upper element.

8. The base structure of claim 7, wherein each channeled structure of the integration assemblies is secured to and parallel with one of the upper elements of one of the elongate structural members by a plurality of bolts engaging the upper element at or around the panel points.

9. The base structure of any of claims 6-8, wherein the sockets are configured to secure to a supported work platform system.

10. The base structure of any of claims 6-9, comprising a plurality of units, each unit defined by four elongate structural members interconnected with four hubs, wherein the elongate structural members and hubs are interconnected such that the elongate structural members are copolanar with respect to one another.

11. The base structure of any of claims 6-10, further comprising a deck retainer.

12. An integrated system comprising:

a base structure comprising

at least two elongate structural members; and

at least two access structure integration assemblies, each assembly secured to and parallel with a respective one of the elongate structural members, each integration assembly comprising

at least one channeled structure including a linear gap, wherein the channeled structure comprises a bottom portion having a plurality of apertures, and

at least one socket comprising a hollow tubular body, a base and at least one T-bolt, wherein the base of the socket is slidingly engaged with the linear gap of the channeled structure using the at least one T-bolt,

wherein each channeled structure of the respective integration assemblies is secured to and parallel with one of the elongate structural members; and

an integrated structure comprising at least two frame members,

wherein each of the at least two frame member engages a respective socket of a respective access structure integration assembly.

13. The integrated system of claim 12, wherein each elongate structural member comprises an upper element, a lower element, and a plurality of diagonal support members interspersed between the upper and lower elements, wherein at least two pairs of the diagonal support members intersect to form at least two panel points along the upper element.

14. The integrated system of claim 13, wherein each channeled structure of the respective integration assemblies is secured to and parallel with one of the upper elements of one of the elongate structural members by a plurality of bolts engaging the upper element at or around the panel point.

15. The integrated system of any of claims 12-14, wherein the base structure is a first suspended work platform.

16. The integrated system of any of claims 12-15, wherein the integrated structure is a supported work platform.

17. The integrated system of claim14, wherein the at least two elongate structural members each comprise the upper element, the lower element, the plurality of diagonal support members interspersed between the upper and lower elements, and a plurality of cage nuts positioned along

the upper element at or around the panel points, and each of the plurality of bolts engages one of the plurality of cage nuts.