CLAIMS

1. A suspension connector system comprising:

a fastening structure configured to be connected to a structure, the fastening structure comprising a plate or plate-like structure; and

a suspension connector assembly secured to removably engage the fastening structure and to at least partially support at least a portion of a suspended scaffold system,

wherein the suspension connector assembly comprises a connector frame assembly having a pair of upright portions connected by a pair of central connecting portions and a fastening structure receiving area, a pair of upright mid plates disposed between and coextensive with the upright portions, and a pair of gusset plates disposed between the upright mid plates, wherein the fastening structure receiving area is structured to receive the plate or plate-like structure.

~~2. The suspension connector system of claim 1, wherein the fastening structure includes a plate or plate-like structure and the suspension connector assembly includes a fastening structure receiving area that structured to receive the plate or plate-like structure.~~

~~3~~2. The suspension connector system of claim 1, wherein the fastening structure includes a dovetail plate structure and the suspension connector assembly includes a fastening structure receiving area that structured to receive the dovetail plate structure and, when so received, the suspension connector and fastening structure are removeably engaged at a dovetail interconnection.

~~4~~3. The suspension connector system of claim 1, wherein the suspension connector assembly includes ~~a~~ connector frame assembly, at least one locking structure, and at least one additional structure for receiving and supporting a coupling device.

~~5. The suspension connector system of claim 4, wherein the fastening structure includes a plate or plate-like structure and the connector frame assembly includes a fastening structure receiving area that is structured to receive the plate or plate-like structure.~~

~~6~~4. The suspension connector system of claim ~~4~~3, wherein the fastening structure includes a dovetail plate structure and the suspension connector assembly includes a fastening structure receiving area that structured to receive the dovetail plate structure and,

when so received, the suspension connector and fastening structure are removeably engaged at a dovetail interconnection.

~~7~~5. The suspension connector system of claim ~~4~~3, wherein the fastening structure includes a low profile structure and the suspension connector assembly includes a fastening structure receiving area that is structured be slidably coupled with the low profile structure.

~~8~~6. The suspension connector system of claim ~~4~~3, wherein the fastening structure includes a plate or plate-like structure; and the connector frame assembly includes a fastening structure receiving area that is structured to engage the plate or plate-like structure; and further wherein the at least one locking structure is configured to lockingly secure the suspension connector assembly to the fastening structure when the suspension connector assembly is engaged with the fastening structure.

~~9~~7. The suspension connector system of claim ~~8~~6, wherein the at least one locking structure includes a first connector locking structure and a second connector locking structure and, wherein the first connector locking structure at least partially lockingly secures the suspension connector assembly to the fastening structure and the second connector locking structure at least partially lockingly secures the first connector locking structure in relation to the connector frame assembly.

~~10~~8. The suspension connector system of claim ~~9~~7, wherein the fastening structure includes a dovetail plate structure and the suspension connector assembly includes a fastening structure receiving area that structured to receive the dovetail plate structure and, when so received, the suspension connector and fastening structure are removeably engaged at a dovetail interconnection.

~~11~~9. The suspension connector system of claim ~~9~~7, wherein the at least one additional structure for receiving and supporting a coupling device includes a pipe structure for receiving a chain or chain-like coupling device.

~~12~~10. The suspension connector system of claim ~~11~~9, wherein at least one of: (i) the suspended scaffold system includes one or more work platform assemblies or systems, and (ii) the structure to which the fastening structure is configured for connection includes an offshore platform structure.

11. A suspension connector system structured to at least partially support at least a portion of a suspended scaffold system comprising:

a fastening structure including a plate or plate-like structure; and

a suspension connector assembly including:

a connector frame assembly which includes a fastening structure receiving area that is structured to removeably engage at least a portion of the plate or plate-like structure;

a first connector locking structure configured for at least partially lockingly securing the suspension connector assembly to the fastening structure;

a second connector locking structure configured for at least partially lockingly securing the first connector locking structure in relation to the connector frame assembly; and

at least one additional structure connected to the connector frame assembly and structure configured for receiving and supporting a coupling device.

12. The suspension connector system of claim 11, wherein the at least one additional structure includes a pipe or pipe-like structure and the coupling device includes a chain or chain-like coupling device configured for connection to the at least a portion of the suspended scaffold system; and the first connector locking structure includes a central portion and a plurality of side portions that are at least partially connected to, and extend away from, the central portion, and further including an opening between side portions for receiving the pipe structure.

13. The suspension connector system of claim 11, wherein the fastening structure includes a dovetail plate structure and the fastening structure receiving area is structured to receive the dovetail plate structure and, when so received, the suspension connector and fastening structure are removeably engaged at a dovetail interconnection.

14. The suspension connector system of claim 11, wherein the fastening structure comprises a trapezoidal structure.

15. The suspension connector system of claim 14, wherein the trapezoidal structure comprises a unitary, rigid structure which includes symmetrical ramped or angles surfaces which are used to engage the suspension assembly when the fastening structure is received within the fastening structure receiving area.

16. The suspension connector system of claim 11, wherein the fastening structure comprises a structure which includes opposing surfaces that structured to engage the fastening structure receiving area.

17. The suspension connector system of claim 11, wherein the fastening structure comprises opposing stepped structures which are structured to engage the fastening structure receiving area.

~~13~~18. A method of using the suspension connector system of claim 1~~1~~, the method comprising:

connecting the fastening structure to ~~the~~ a structure; and removeably engaging the suspension connector assembly with the fastening structure.

~~14~~19. The method of claim ~~13~~18, wherein:

~~the fastening structure includes a plate or plate-like structure; and~~

~~the suspension connector assembly includes a fastening structure receiving area; and~~ ~~wherein~~ the removeably engaging includes engaging, using the fastening structure receiving area, the plate or plate-like structure.

~~15~~20. The method of claim ~~13~~18, ~~wherein:~~

~~the suspension connector assembly includes a connector frame assembly including the fastening structure receiving area, a first connector locking structure, a second connector locking structure, and a coupling device support structure; and the method~~ further includes at least one of:

at least partially locking the suspension connector assembly to the fastening structure using the first connector locking structure; at least partially locking the first connector locking structure in relation to at least one of the connector frame assembly and the fastening structure using the second connector locking structure; receiving and supporting, using the coupling device support structure, a coupling device; and suspending, using the coupling device, at least a portion of the suspended scaffold system.

~~16~~21. The method of claim ~~15~~20, wherein:

the coupling device support structure includes a pipe structure,

the coupling device includes a chain or chain-like coupling device;

the fastening structure includes a dovetail plate structure; and

the suspension connector assembly includes a fastening structure receiving area that is structured to receive the dovetail plate structure; and the removeably engaging further includes sliadably positioning the suspension connector with respect to fastening structure to form a dovetail interconnection; and the suspending includes suspending the at least a portion of the suspended scaffold system using the chain or chain-like coupling device.

~~17~~22. The method of claim ~~13~~18, wherein at least one of the connecting the fastening structure and the removeably engaging the suspension connector assembly with the fastening structure is repeated so as to provide a plurality of suspension connector systems connected to a structure and which are configured for suspending the suspended scaffold system, with the scaffold system optionally including one or more work platform assemblies or systems.

~~18~~23. The method of claim ~~13~~18, wherein the suspension connector assembly is disengaged and removed from the fastening structure and, when so removed, the fastening structure remains connected to the structure.

~~19. A suspension connector system structured to at least partially support at least a portion of a suspended scaffold system comprising:~~

~~a fastening structure including a plate or plate-like structure; and~~

~~a suspension connector assembly including:~~

~~a connector frame assembly which includes a fastening structure receiving area that is structured to removeably engage at least a portion of the plate or plate-like structure;~~

~~a first connector locking structure configured for at least partially lockingly securing the suspension connector assembly to the fastening structure;~~

~~a second connector locking structure configured for at least partially lockingly securing the first connector locking structure in relation to the connector frame assembly; and~~

~~at least one additional structure connected to the connector frame assembly and structure configured for receiving and supporting a coupling device.~~

~~20. The suspension connector system of claim 19, wherein the at least one additional structure includes a pipe or pipe-like structure and the coupling device includes a chain or chain-like coupling device configured for connection to the at least a portion of the suspended scaffold system; and the first connector locking structure includes a central portion and a plurality of side portions that are at least partially connected to, and extend~~

~~away from, the central portion, and further including an opening between side portions for receiving the pipe structure.~~

~~21. The suspension connector system of claim 20, wherein the fastening structure includes a dovetail plate structure and the fastening structure receiving area is structured to receive the dovetail plate structure and, when so received, the suspension connector and fastening structure are removeably engaged at a dovetail interconnection.~~

~~22. The suspension connector system of claim 19, wherein the fastening structure comprises a trapezoidal structure.~~

~~23. The suspension connector system of claim 22, wherein the trapezoidal structure comprises a unitary, rigid structure which includes symmetrical ramped or angles surfaces which are used to engage the suspension assembly when the fastening structure is received within the fastening structure receiving area.~~

~~24. The suspension connector system of claim 19, wherein the fastening structure comprises a structure which includes opposing surfaces that structured to engage the fastening structure receiving area.~~

~~25. The suspension connector system of claim 19, wherein the fastening structure comprises opposing stepped structures which are structured to engage the fastening structure receiving area.~~