I Claim:

1. An overhead guide track system for automated material handling and storage facilities wherein at least one transfer unit is suspended from carriages that travel along the track system so that the at least one transfer unit moves objects to and from vertically oriented storage areas, the track system comprising, a plurality of first and second inverted “T” beams assembled in an X-Y manner such that the first and second inverted “T” beams intersect with one another in generally perpendicular relationship at a plurality of intersections and wherein each of the first and second inverted “T” beams includes at least one vertical web from which horizontal flanges extend outwardly on opposite sides of the at least one vertical web whereby the carriages are supported on upper surfaces of the horizontal flanges of each of the plurality of first and second inverted “T” beams, each of the first and second inverted “T” beams having opposite ends, a vertically oriented support pedestal provided at each of the plurality of intersections, at least one of the opposite ends of a plurality of the first and second inverted “T” beams being connected to the support pedestals at the plurality of intersections in such a manner as to provide clearance space between the opposing ends of the first and second inverted “T” beams and the support pedestals of a size to permit portions of the carriages to pass there between as the at least one transfer unit moves along the track system.

2. The overhead guide track system for automated material handling and storage facilities of claim 1 wherein the horizontal flanges are coplanar and spaced from an upper surface of the at least one vertical web.

3. The overhead guide track system for automated material handling and storage facilities of claim 1 wherein each of the horizontal flanges of the first and second inverted “T” beams include a vertically upward extending rail extending along a length of the flanges for purposes of supporting rollers associated with the carriages of the at least one transfer unit.

4. The overhead guide track system for automated material handling and storage facilities of claim 1 wherein each of the horizontal flanges of the first and second inverted “T” beams include wear plates which are mounted along the upper surface of the flanges.

5. The overhead guide track system for automated material handling and storage facilities of claim 1 wherein the at least one vertical web of at least one of the opposite ends of a plurality of the first and second inverted “T” beams includes an extended portion which extends outwardly beyond the horizontal flanges in a direction along a longitudinal axis of the first and second “T” beams.

6. The overhead guide track system for automated material handling and storage facilities of claim 5 wherein the extended portions of the vertical

webs include a contoured surface for cooperatively seating upon a complementary surface of a pedestal.

7. The overhead guide track system for automated material handling and storage facilities of claim 6 wherein each pedestal includes a vertical body having the complementary surface formed thereon, and an upper plate for mounting between extended portions of the vertical webs of each pair of opposing first and second inverted “T” beams to be connected to a common pedestal.

8. The overhead guide track system for automated material handling and storage facilities of claim 7 wherein the upper plate is formed having portions extending outwardly of the pedestal in X-Y directions which engage the central vertical webs.

9. The overhead guide track system for automated material handling and storage facilities of claim 8 wherein the upper plate of each pedestal is seated within an upper notch formed in the extended portions of each of the central vertical webs.

10. The overhead guide track system for automated material handling and storage facilities of claim 7 wherein the contoured surface of the extended end portions of the central vertical web are concavely shaped to engage the complementary surface of the pedestals which are convexly shaped.

11. The overhead guide track system for automated material handling and storage facilities of claim 1 wherein a lower transfer plate is connected to a lower portion of a vertical body of each pedestal and which lower transfer plate extends toward the edges of the adjacent horizontal flanges of the first and second inverted “T” beams and being of a size to be spaced therefrom to form the clearance spaces for passage of the portions of the carriages there through.

12. The overhead guide track system for automated material handling and storage facilities of claim 11 wherein a lower transfer plate is connected to a lower portion of a vertical body of each pedestal and which lower transfer plate extends toward the edges of the adjacent horizontal flanges of the first and second inverted “T” beams and being of a size to be spaced therefrom to form the clearance spaces for passage of the portions of the carriages there through.

13. The overhead guide track system for automated material handling and storage facilities of claim 1 wherein the at least one vertical web at both of the opposite ends of a plurality of the first and second inverted “T” beams include extended portions which extend outwardly beyond the horizontal flanges in a direction along a longitudinal axis of the first and second “T” beams.

14. The overhead guide track system for automated material handling and storage facilities of claim 13 wherein the extended portions of the vertical webs include a contoured surface for cooperatively seating upon a complementary surface of a pedestal.

15. The overhead guide track system for automated material handling and storage facilities of claim 14 wherein each pedestal includes a vertical body having the complementary surface formed thereon, and an upper plate for mounting between extended portions of the vertical webs of each pair of opposing first and second inverted “T” beams to be connected to a common pedestal.

16. A support carriage for supporting a transfer unit in an overhead guide track system for automated material handling, the support carriage comprising four spaced upper corner plates and four posts, wherein each of the four spaced upper corner plates are mounted on a separate post; a base supporting each of the four posts and mounted upper corner plates, each of the four posts mounted in a separate corner of the base, the base further having a central opening therein for passage of a T-shaped pin connectable to the transfer unit, the four spaced upper corner plates defining a first open channel and a second open channel, wherein the first open channel is bisected by the second open channel thereby allowing passage of the support carriage about a pedestal in an X-Y manner, and a set of spherical

ball rollers and a set of bi-directional rollers mounted on a bottom surface of each of the four spaced upper corner plates.

17. The support carriage of claim 16, wherein each set of bi-directional rollers further comprise a first set of at least one bi-directional roller and a second set of at least one bi-directional roller, wherein the first set of at least one bi-directional roller is oriented perpendicularly relative to the second set of at least one bi-directional roller.

18. The support carriage of claim 16, wherein each set of spherical ball rollers further comprises nine spherical ball rollers.

19. The support carriage of claim 16, wherein each set of spherical ball rollers further comprises four spherical ball rollers.

20. The support carriage of claim 16, wherein each set of bi-directional rollers include sheave rollers.

21. The support carriage of claim 16, wherein each set of spherical ball rollers and each set of bi-directional rollers engage a plurality of first and second "T" beams oriented in an X-Y manner to allow the support carriage to travel along upper surfaces of flanges of each of the plurality of first and second "T" beams oriented in an X-Y manner.

22. The support carriage of claim 21, wherein each set of bi-directional rollers further comprise a first set of at least one bi-directional roller and a second set of at least one bi-directional roller, wherein the first set of at least one bi-directional roller is oriented perpendicularly relative to the second set of at least one bi-directional roller.

23. The support carriage of claim 22, wherein each of the first set of at least one bi-directional roller engages the upper surfaces of flanges of the plurality of first “T” beams oriented in an X manner while the support carriage travels in an X direction, and wherein each of the second set of at least one bi-directional roller engages the upper surfaces of flanges of the plurality of second “T” beams oriented in the Y manner while the support carriage travels in a Y direction.

24. The support carriage of claim 21, wherein each set of spherical ball rollers further comprises nine spherical ball rollers.

25. The support carriage of claim 21, wherein each set of spherical ball rollers further comprises four spherical ball rollers.

26. The support carriage of claim 21, wherein each set of bi-directional rollers include sheave rollers.

27. The support carriage of claim 21, wherein each set of nine spherical ball rollers engage the upper surfaces of flanges of each of the plurality of first and second “T” beams oriented in an X-Y manner when the support carriage travels in an X direction and when the support carriage travels in a Y direction.