8. Wall wind bracing members shall be rolled steel sections such as angles or pipes. Rods or cables shall not be used as wall wind bracing elements.

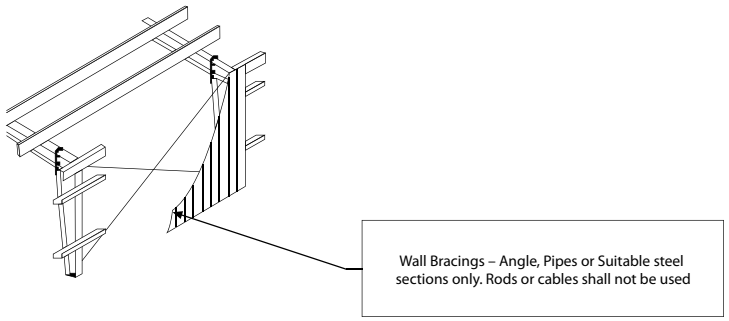

Fig (4.4). Wall Bracing

9. An elevation view showing the load transmission from the wind bracing to the ground shall be submitted.
10. All flange braces for rigid column frames shall be fixed to side wall girts before constructing the exterior block work.
11. Bracing shall not be removed and shall remain intact through out the life of the building.
12. Crane supplier's data sheets shall be provided for crane design and drawings.
13. Protective coating to structural steel shall be done at workshop and the required thickness shall be 240-270 microns.
14. In cases where the foundations are designed by the main consultant and steel superstructure is designed by steel specialist contractors, the consultant's submission shall include design and details of Anchor bolts with the bolt grade, diameter and the length along with the foundation design and details.
15. All steel member bolted connections in the drawing shall show the bolt grade, diameter and length. All Bolt length shall be checked for end plate thickness, washer, nuts, threading projection beyond nut etc.
16. Welded connection details shall include the type of welds, thickness, length etc. indicated by the standard welding symbols.

17. All internal partitions shall be designed for internal critical wind pressures coefficients.
18. Drawings shall include cross sections for the steel column fixing to the pedestal.
19. Pedestal sizes shall include provision for RCC columns/wall stiffeners if present, base plate size with clearance (to avoid overlapping of reinforcement and anchor bolts details etc) and grouting details.
20. Roof gutters shall be properly designed and detailed and the necessary calculations shall be submitted.
21. All foundation levels in CED-JAFZA/DM datum shall be mentioned clearly in the drawing as per soil report recommendations.
22. Maximum distance between the bolts in any connection shall be limited to 350mm or shall be provided with stiffener plates.
23. Loading diagram for all floors and roofs including dead, imposed, collateral, crane loads etc. shall be provided.
24. Composite deck slab details shall include concrete thickness and grade, reinforcement, sheet profile and sheet design data from the profile manufacturer.
25. Purlin detail shall include data sheets with properties and design data from the purlin manufacturer.
26. All joint details and layout of joints for expansions and contraction joints, control joints, construction joints etc. shall be provided.
27. General structural steel notes showing the grades of steel and material properties, codes adopted in design, loadings considered, typical details, fabrication, erection tolerances, painting and all other required specifications for the project shall be provided.
28. Drawings shall contain end gable view of the steel structural frames.
29. All internal columns shall be protected with encasement or protection bollard to avoid accidental damage to the structure.
30. Soakpits (if required) shall be located away from the main structures and foundations such that the soil strata below the foundations are not disturbed at any stage during or after construction.