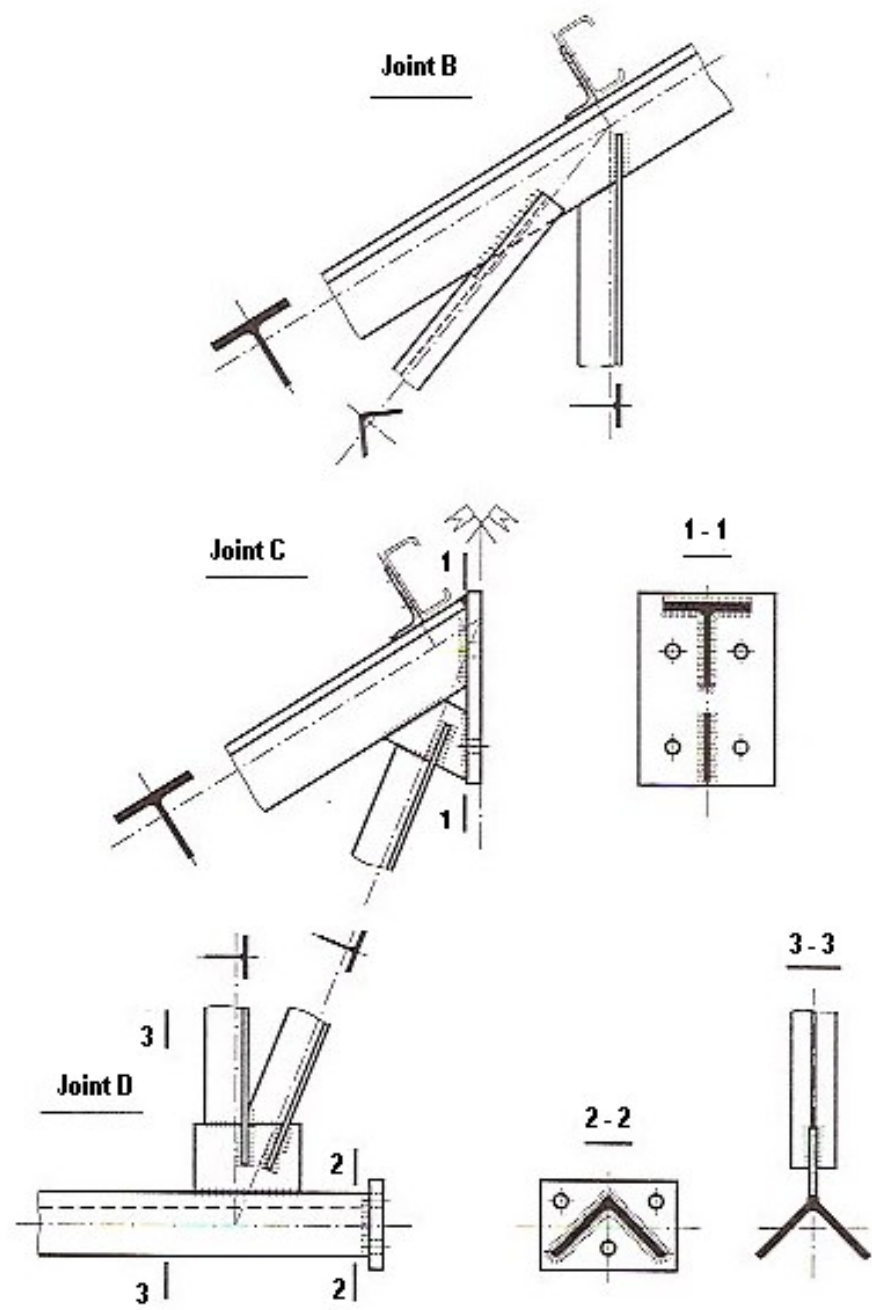
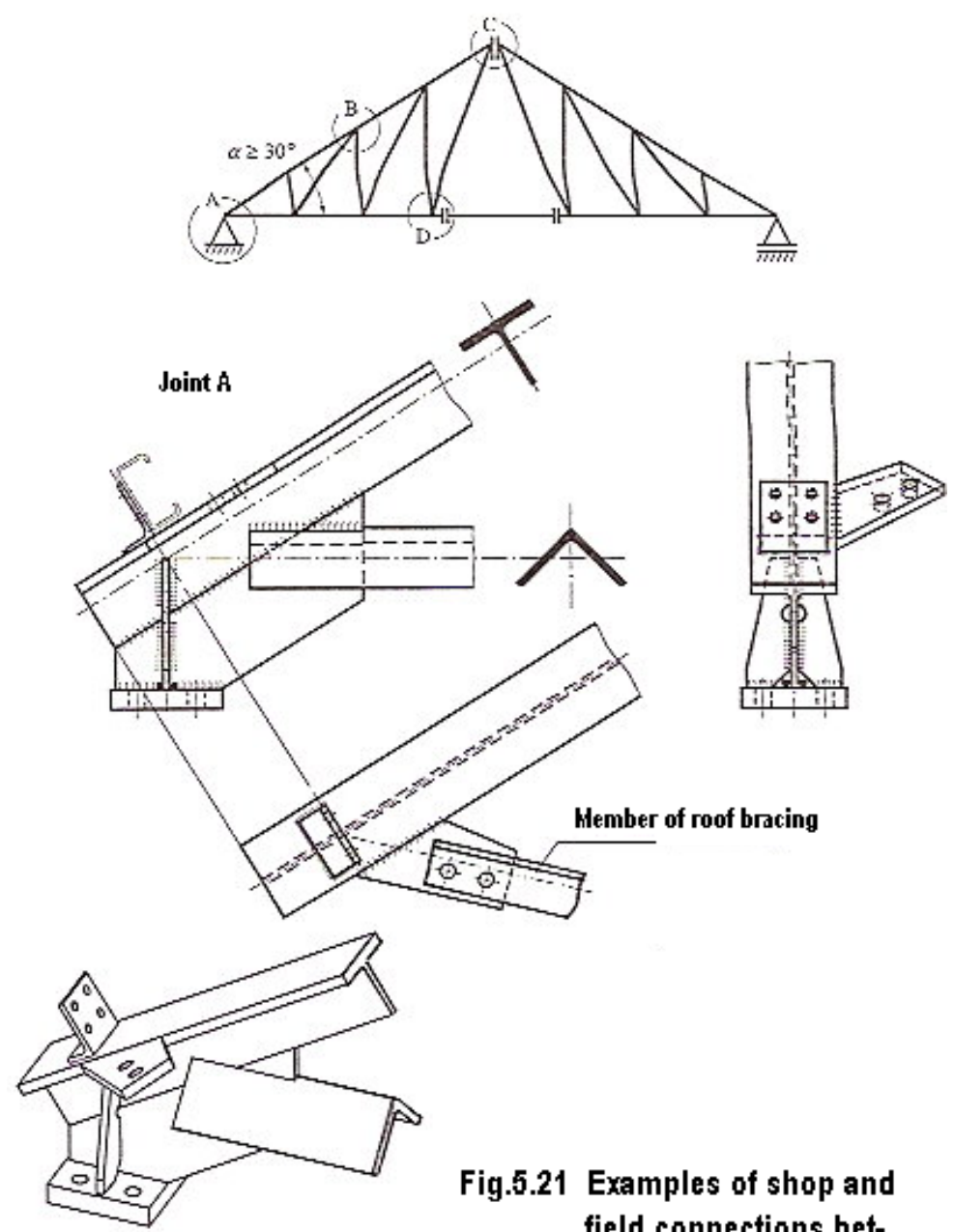


Fig.1.13 Location of different bracing systems: T1- transversal roof bracing, T2- vertical roof bracing, T3- longitudinal roof bracing, T4- sidewall bracing, T5- wind endwall bracing, T6- wind sidewall bracing, T7- endwall bracing



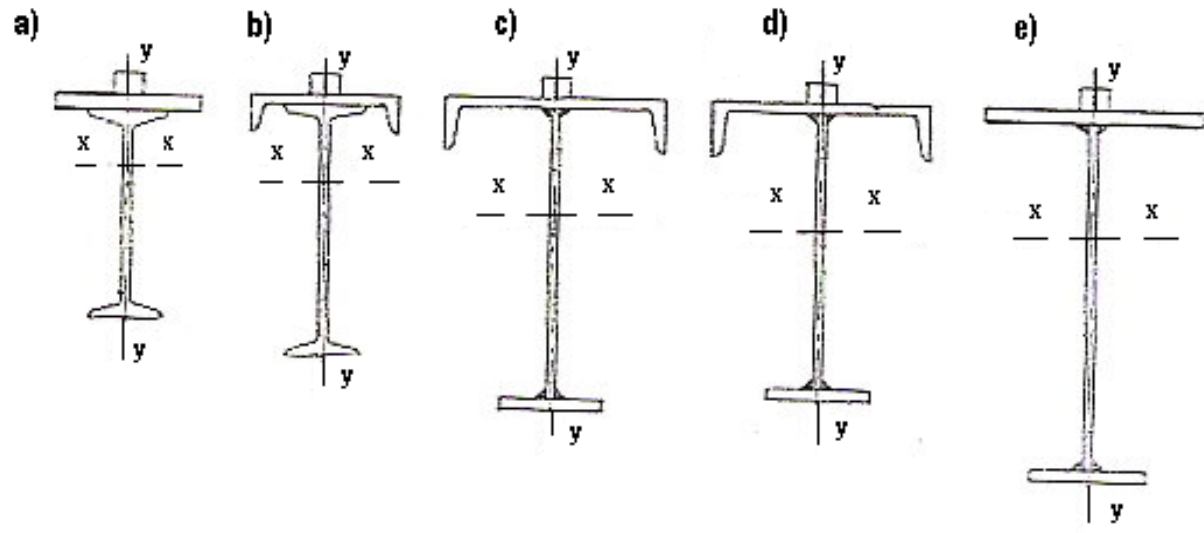


Fig.8.3 Examples of crane runway beam cross-sections

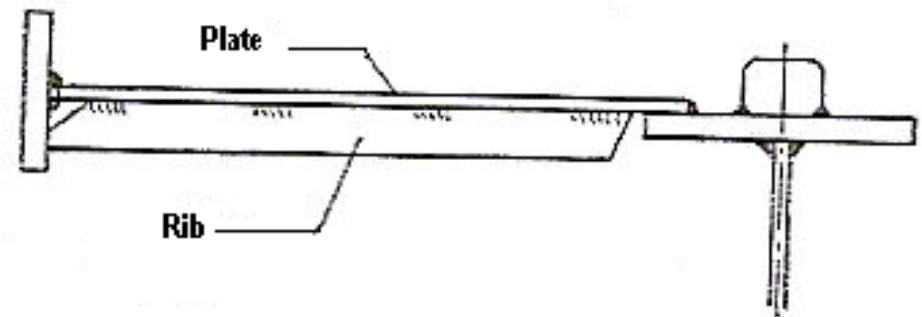
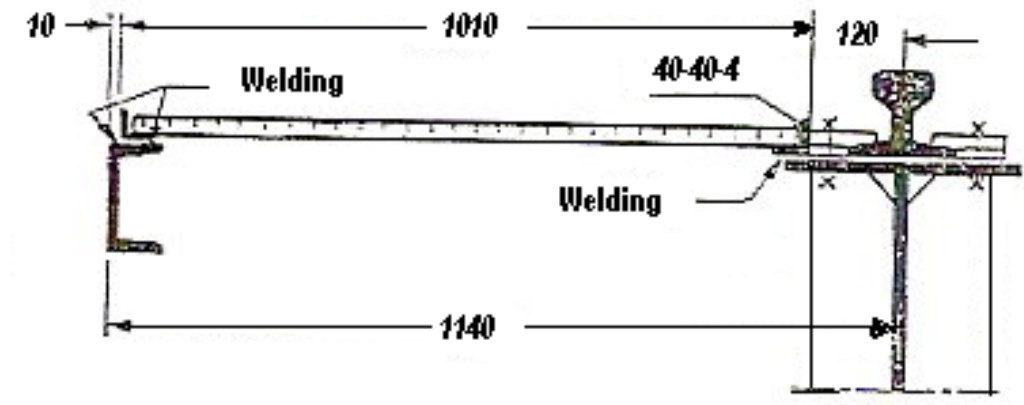


Fig.8.4 Examples of a runway beams braced horizontally by a plate

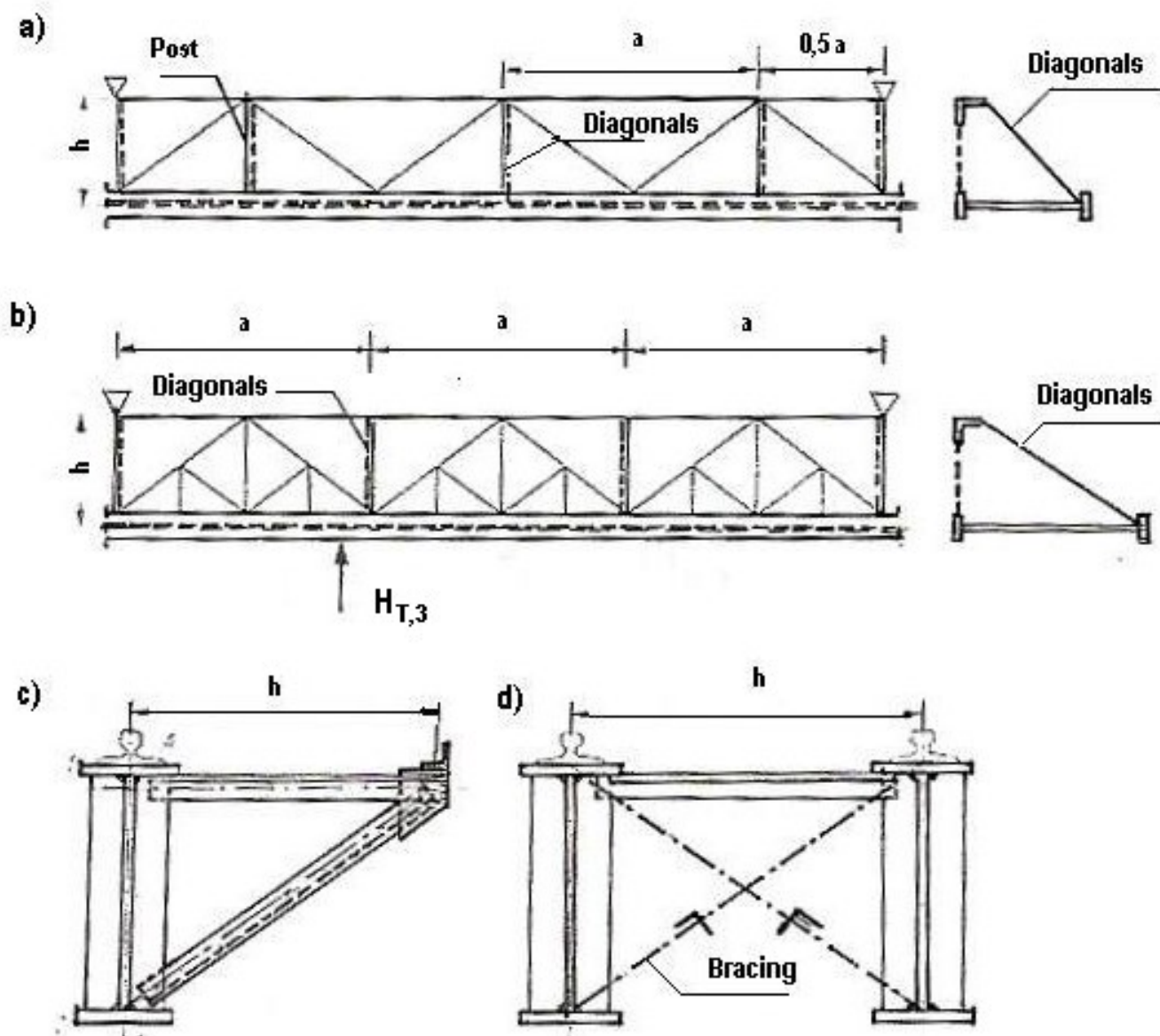
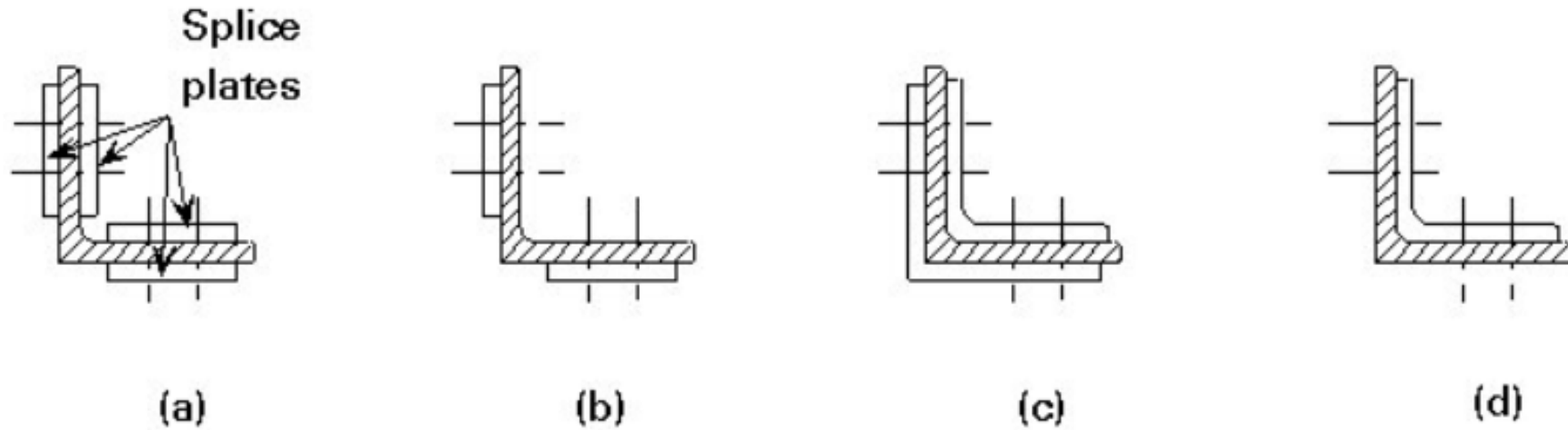


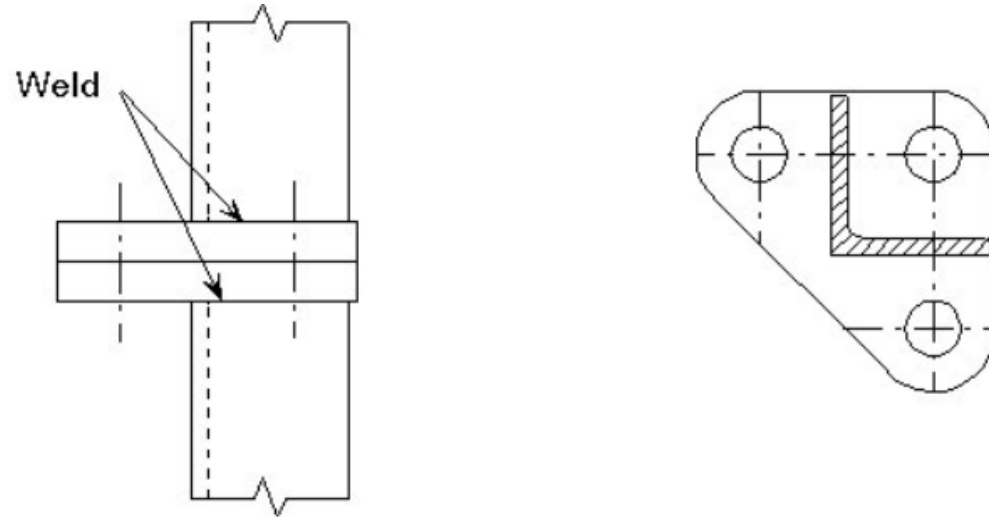
Fig.8.5 Example of a runway beam horizontally braced

Detailing of construction and erection joints

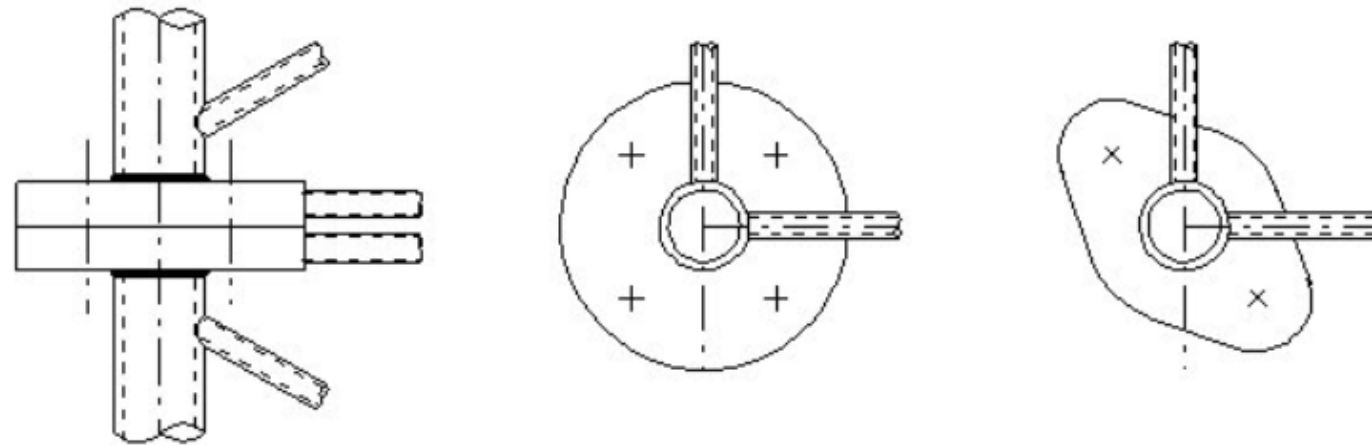


Bolted angle section splice joints

Detailing of construction and erection joints



(e) Bolted angle section butt plate joint



(f) Bolted tube section butt plate joint

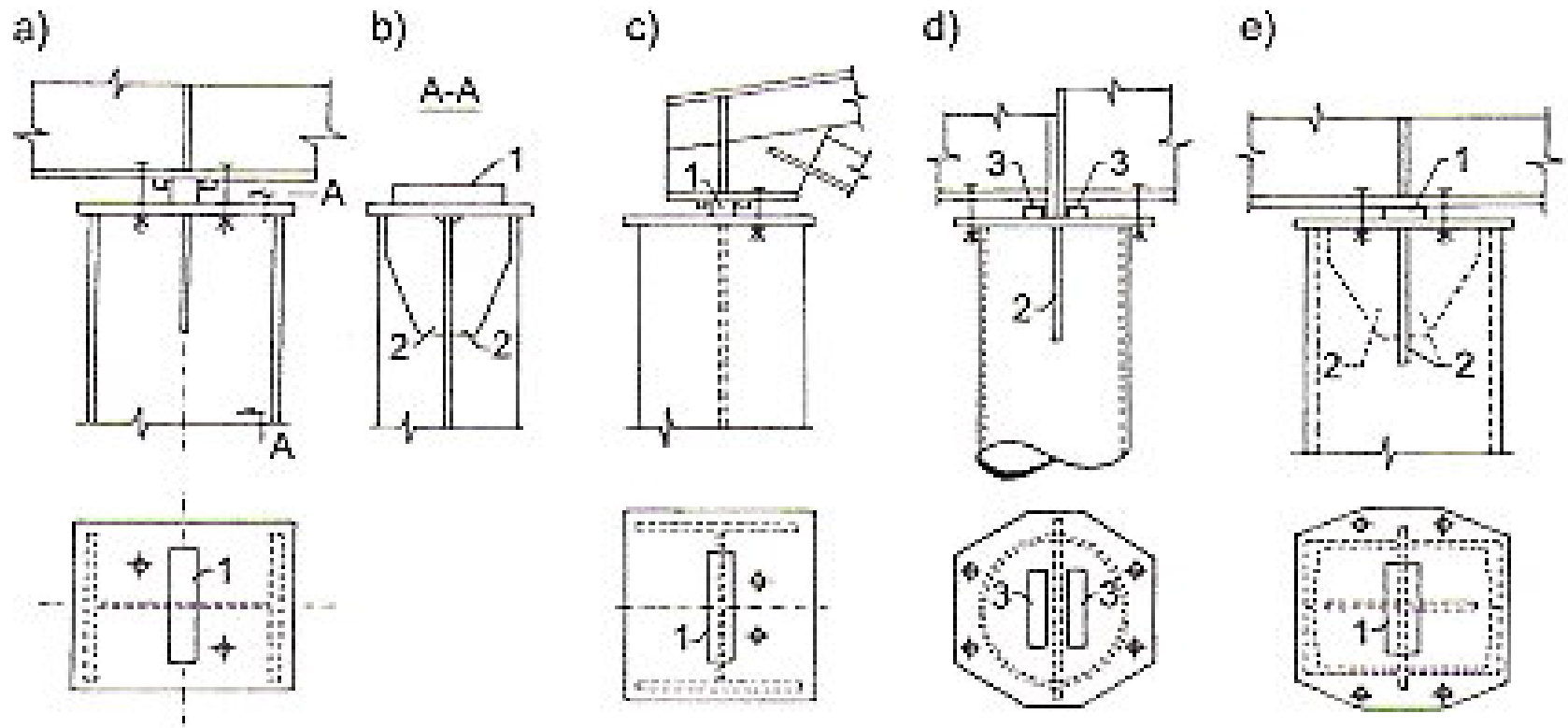


Fig.6.11 Heads of solid columns axially loaded: 1,3- pinn bearing, 2- ribb

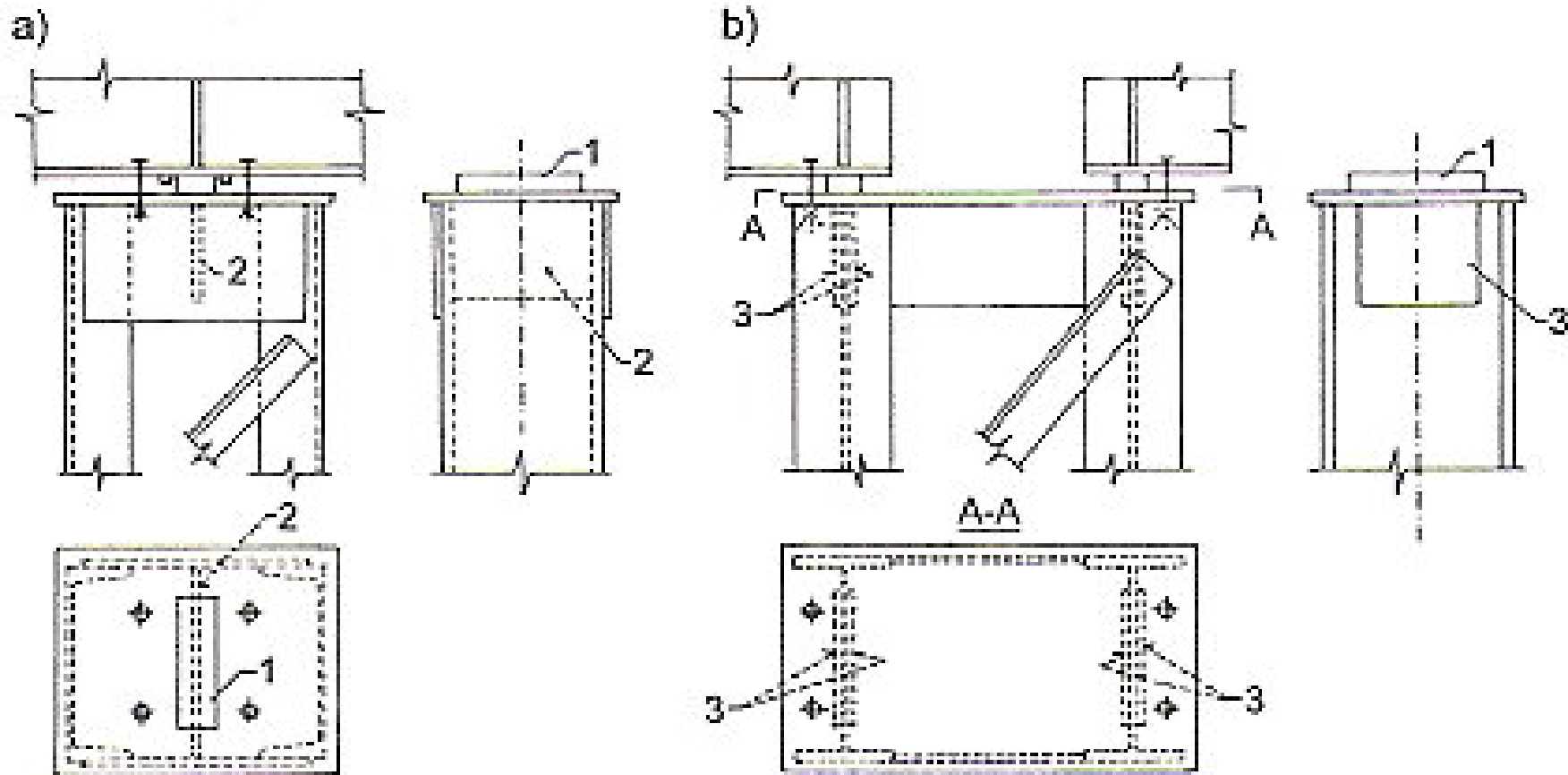


Fig.6.12 Heads of two-arm columns: 1- centre plate, 2- ribb, 3- strengthening plates

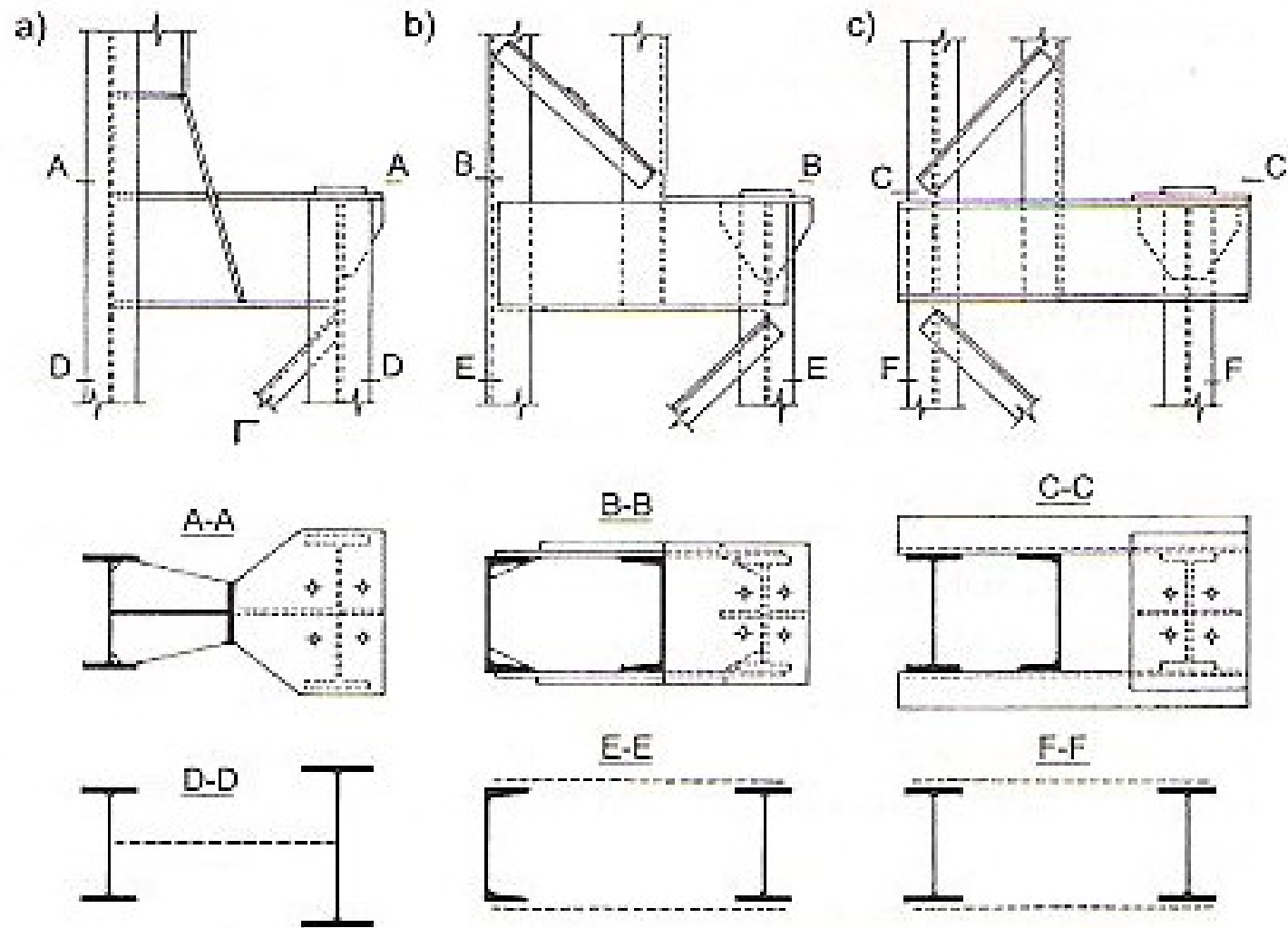


Fig.6.15 Examples of two-arm columns with changes in cross-sections

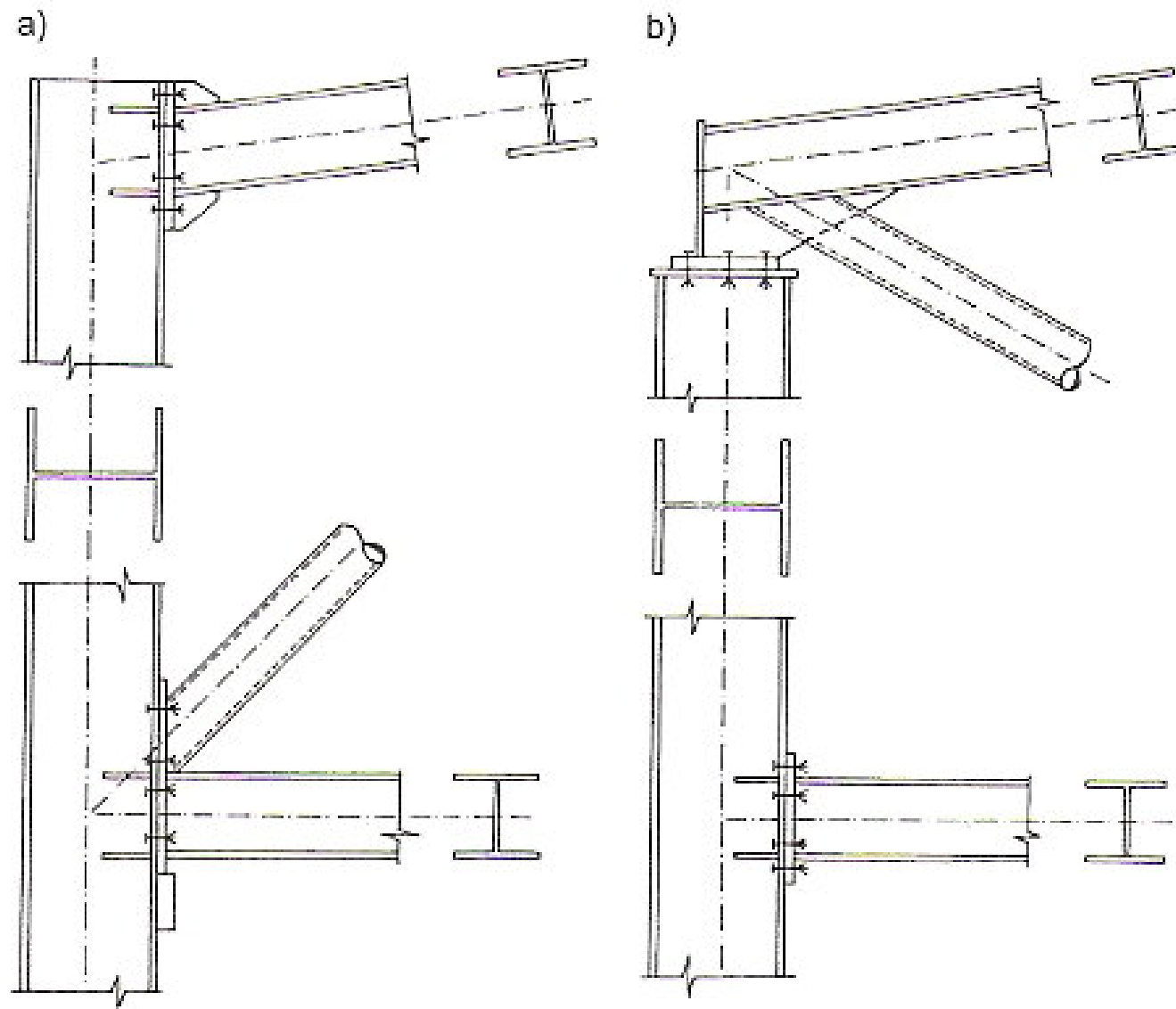


Fig.5.18 Fully fixed ends of a truss rafter

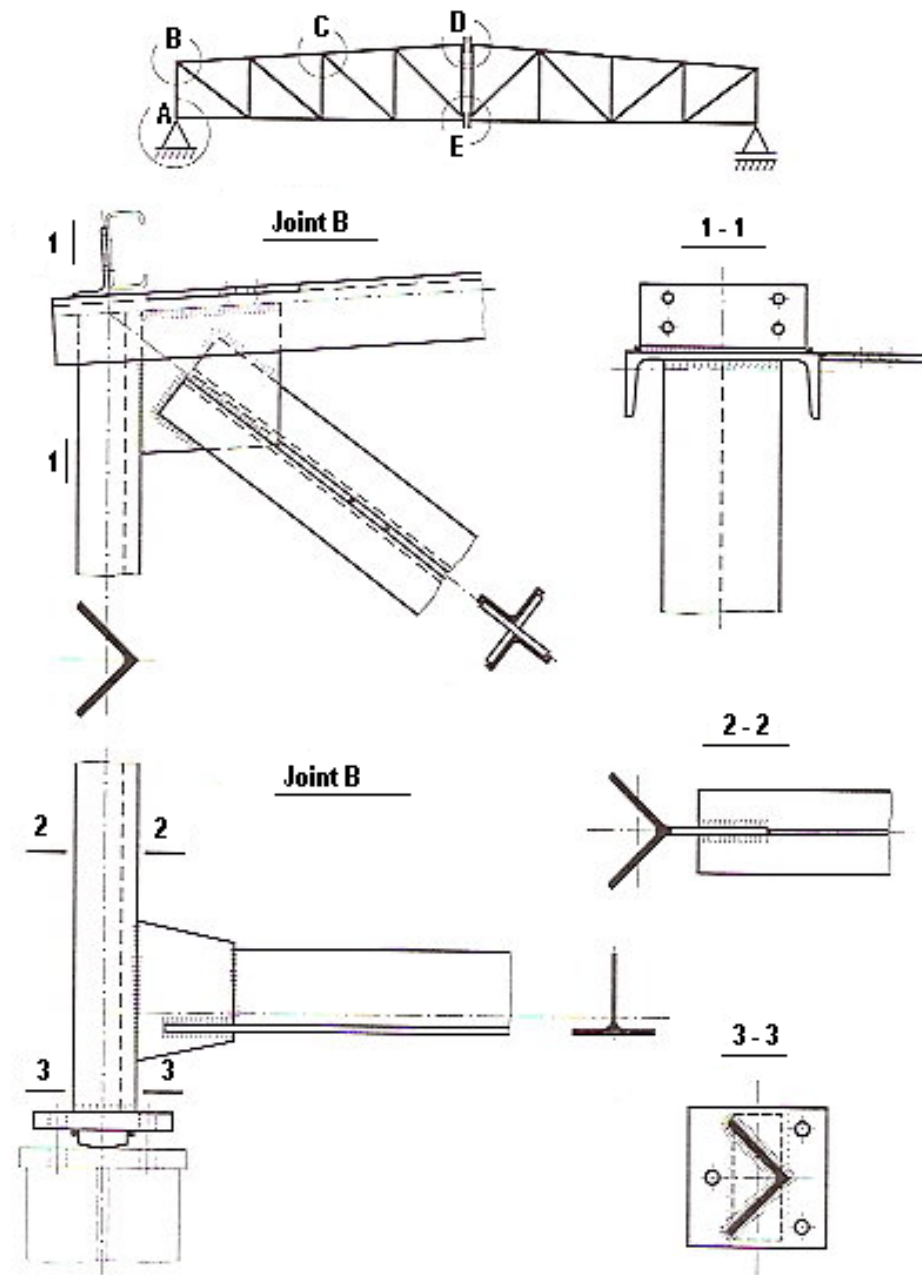


Fig.5.22 Examples of shop and field connections in a trapezoidal two-slope truss rafter

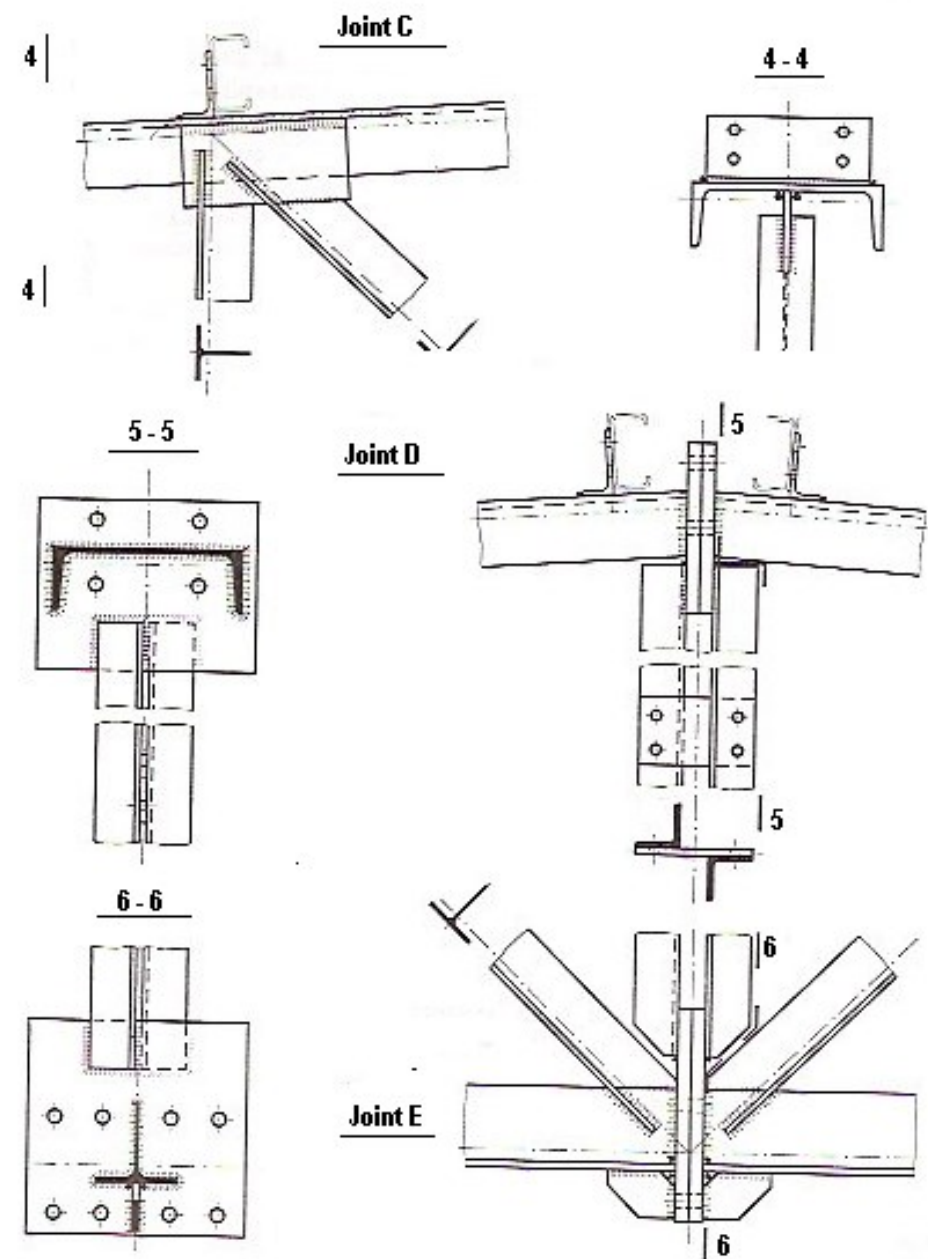


Fig.5.22 Continuation