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example 24 lrfd procedure design a shear lug for a 14 in square base plate subject to an axial dead load of 120 kips live load of 150 kips and shear of 55 kips resulting from wind loading the base plate and shear lug have 36 ksi and 3 ksi 1 the load factors are 0 9 for dead load and 1 3 for wind load

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5 2 connection and detailing the main consideration for steel column connection to flat plate is to ensure that the base plate for the steel columns are cast into the concrete flat plate hence the positioning and alignment of the base plates are of utmost importance if concrete in fill and column bars are required within the steel hollow

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