Lightweight Steel Framing Details – Axial Loadbearing Walls

CSSBI 59-04-C November 2004



AXIAL LOADBEARING WALLS

In axial loadbearing construction, some form of bracing is required to resist wind, seismic and the sway effects produced by vertical loads acting on the structure (the P-delta effect). Diagonal tension straps are normally the most economical means of providing this bracing. Diagonal straps are typically installed in pairs to form the X pattern over the face of the studs. Strap end connections must be engineered to transfer the full design load and account for horizontal and vertical strap reactions.



