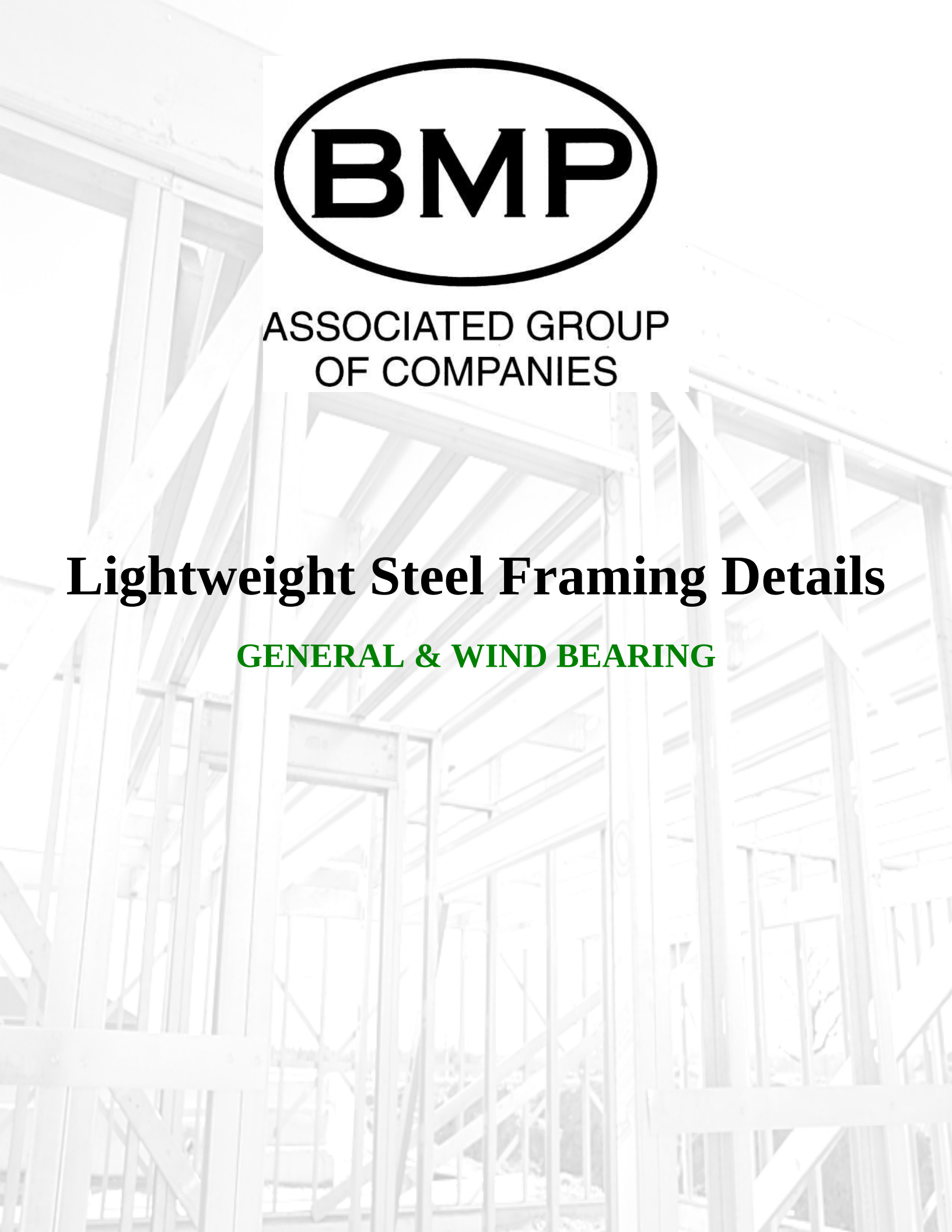
BMP

ASSOCIATED GROUP
OF COMPANIES

Lightweight Steel Framing Details

GENERAL & WIND BEARING



Bailey Lightweight Steel Framing Details

Wall Elevations

Bailey Wind Bearing Walls (BWB)
Lightweight Steel Framing (LSF) provides economical structural support for finishes under lateral wind loads on buildings where other structural components carry axial loads. BWB walls can be designed for a variety of deflection limits for finishes such as EIFS, Stucco, Metal Panel and Brick Veneer. Wind-Bearing LSF may be used in buildings of any height.

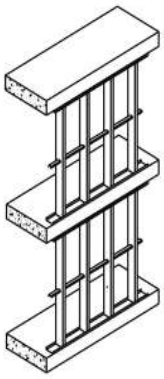
Bailey Axial Loadbearing Walls (BAB)
Lightweight Steel Framing (LSF) supports the combined axial and wind loads on interior and exterior walls. Buildings up to six stories in height can be framed using LSF. LSF works with a variety of floors including LSF Joists, ComSlab® composite flooring systems, OWSJ's and hollow precast concrete.

Bailey Joists for Floors & Roofs
Lightweight Steel Framing (LSF) Joists offer a wide range of span and load capabilities for commercial and residential floor systems and mezzanines. LSF ceiling Joist members can also be utilized for pitched, mansard and flat roofs. The use of Bailey LSF Joist members will provide support for interior drywall ceilings where long clear spans are required.

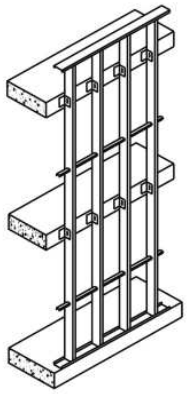
Bailey Non-Loadbearing Walls (BNLB)
Lightweight Steel Framing (LSF) provides an effective solution for interior non-load bearing walls and partitions. When combined with top track deflection members, bulkheads will resist buckling caused by deflection of floor and roof assemblies. Non-load bearing LSF provides a stable framework for drywall or other finished wall surface applications.

Bailey Spandrel Walls
Lightweight Steel Framing (LSF) accommodates a variety of spans for continuous strip window applications. LSF provides a stable, square platform in which glazing units and frames can be effectively installed.

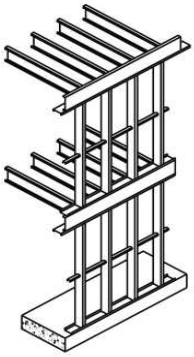
Exterior Infill Walls



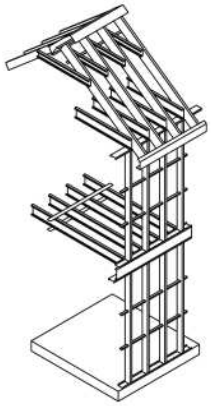
Continuous Exterior Curtain Walls



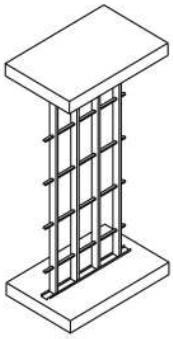
Axial Load Bearing Walls



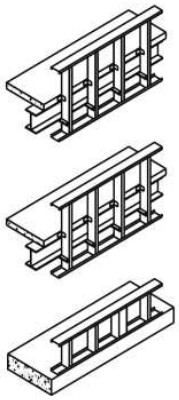
Joists for Floors & Roofs



Tall Interior Partitions

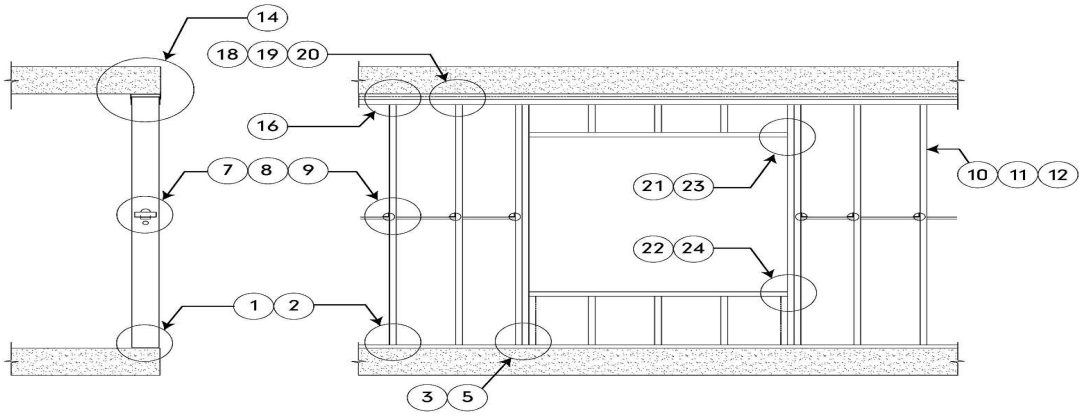


Spandrel Walls for Continuous Strip Windows

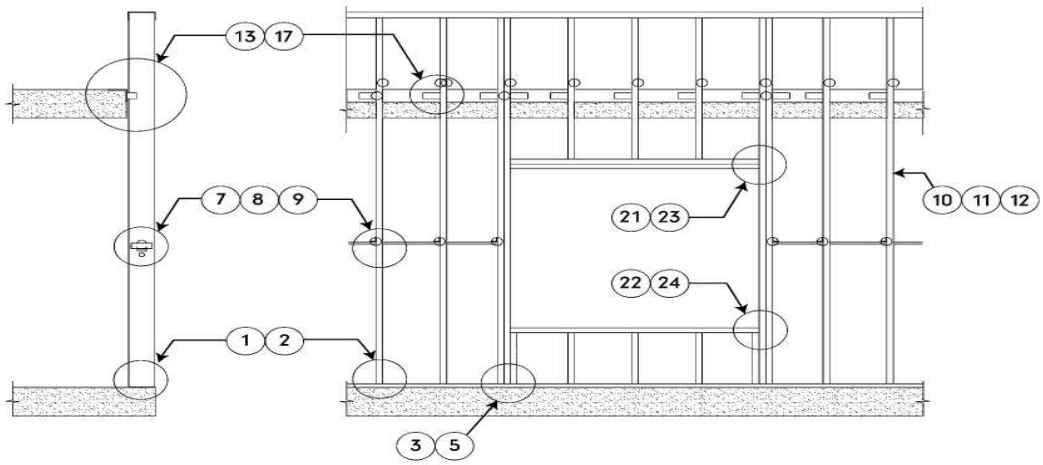


Bailey Lightweight Steel Framing Details

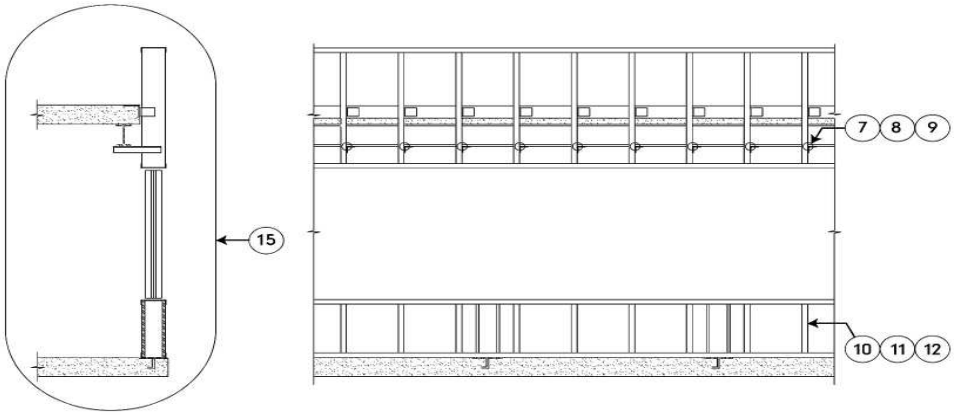
WIND LOADBEARING INFILL WALL



WIND LOADBEARING CONTINUOUS CURTAIN WALLS



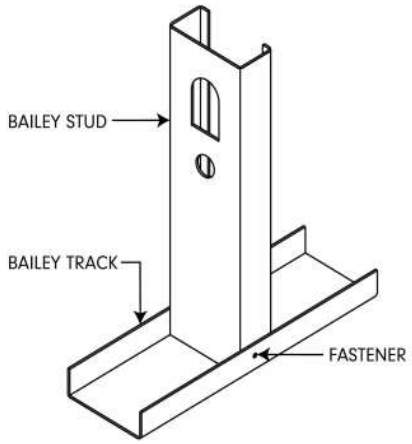
WIND LOADBEARING SPANDREL WALL FOR STRIP WINDOWS



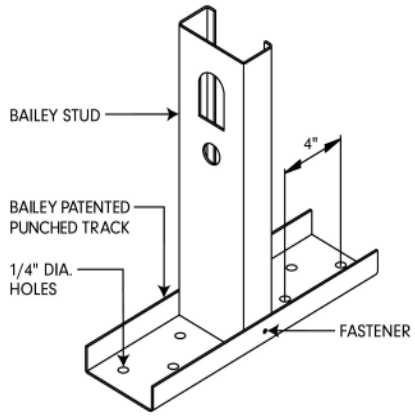
Bailey Lightweight Steel Framing Details

General Details

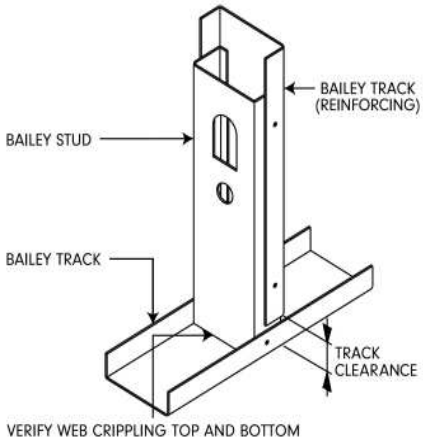
1 – Bailey Stud to Bailey Track



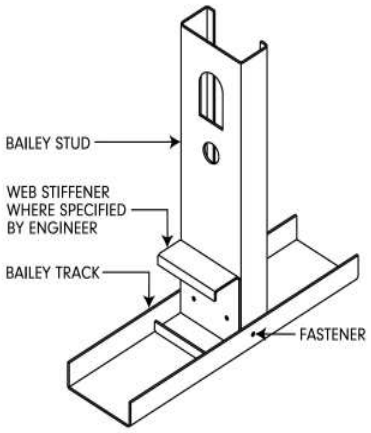
2 – Bailey Stud to Bailey Patented Punched Track



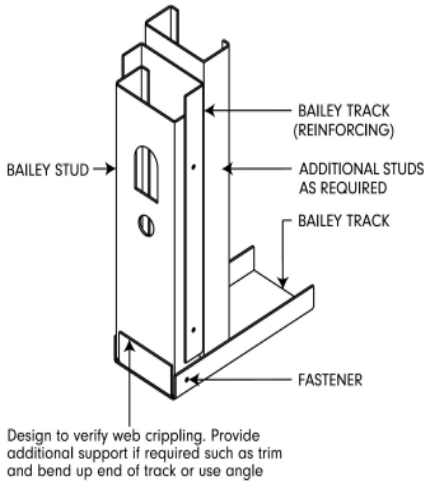
3 – Bailey Stud Reinforced with Bailey Track



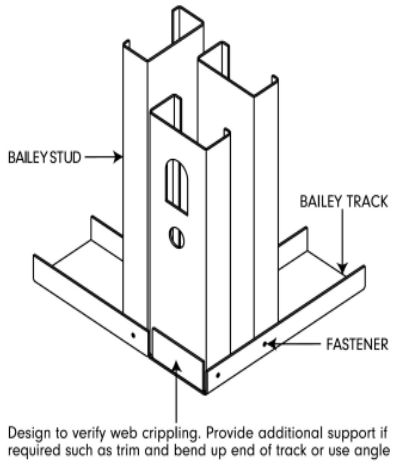
4 – Bailey Stud with Web Stiffener Reinforcing



5 – Jamb Stud at Door Opening

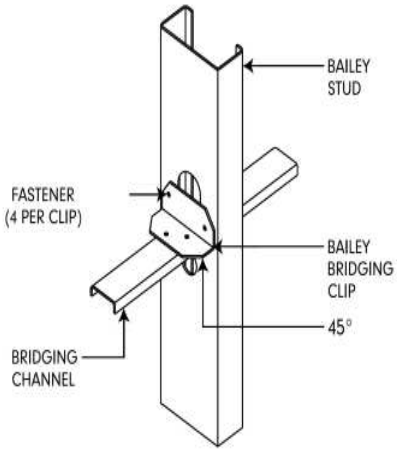


6 – Bailey Stud to Bailey Track at Corners

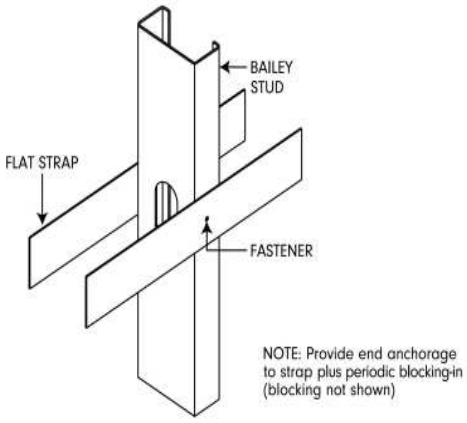


Bailey Lightweight Steel Framing Details

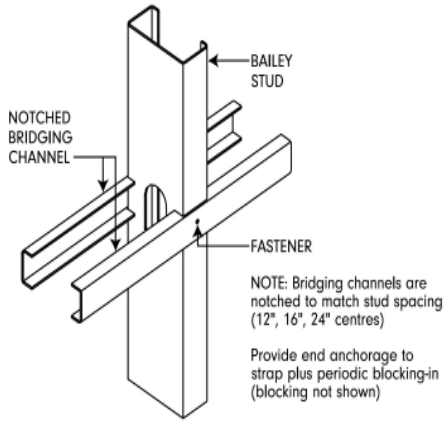
7 – Through-the-Stud Bridging



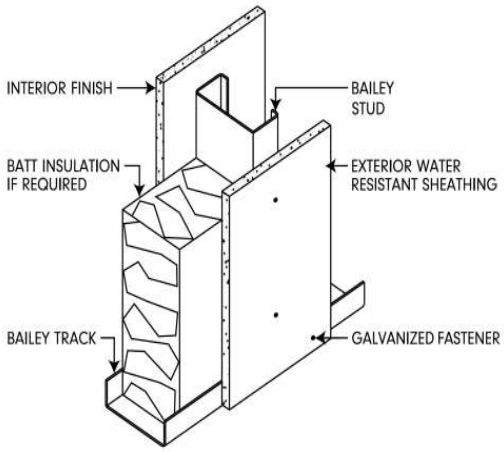
8 – Flat Strap Bridging



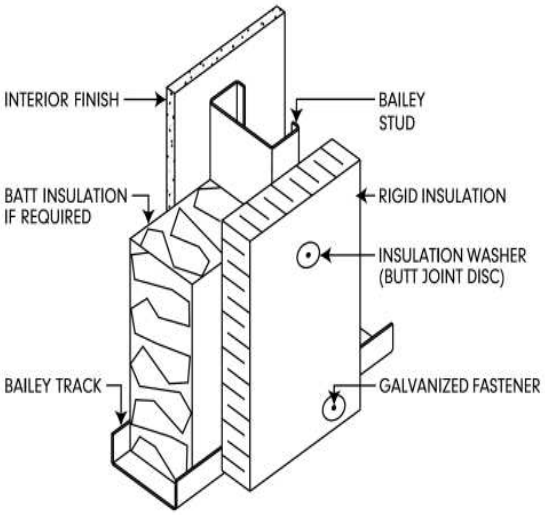
9 – Notched Channel Bridging



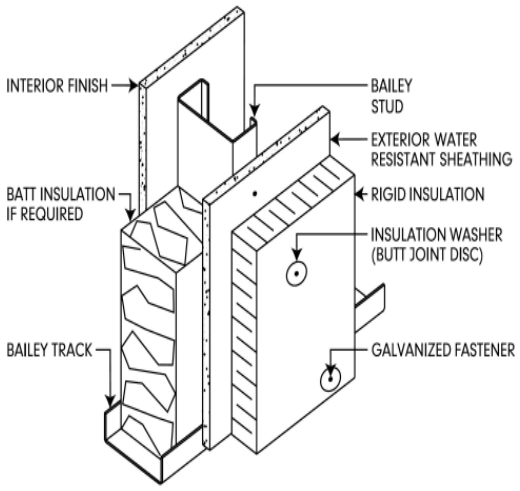
10 – Exterior Sheathing



11 – Exterior Rigid Insulation



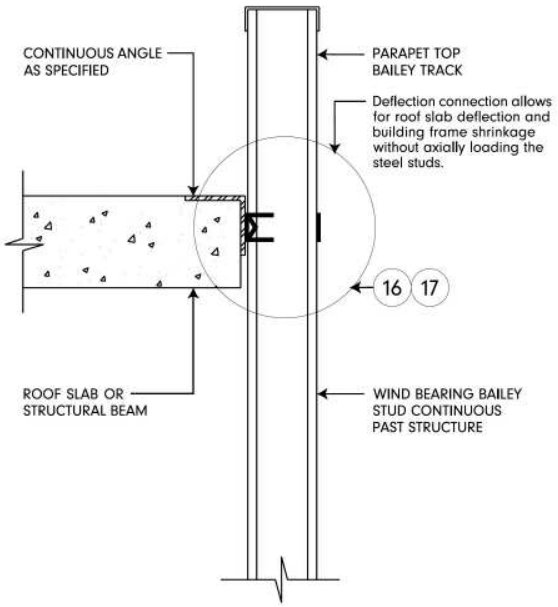
12 – Exterior Sheathing and Rigid Insulation



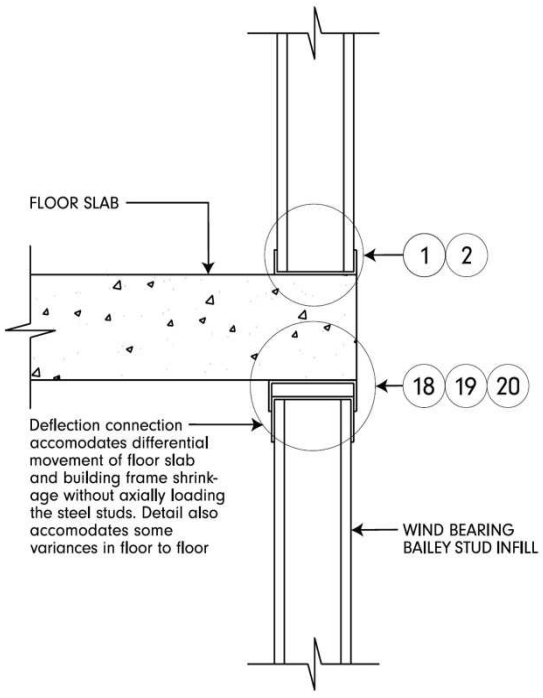
Bailey Lightweight Steel Framing Details

Wind Bearing Walls

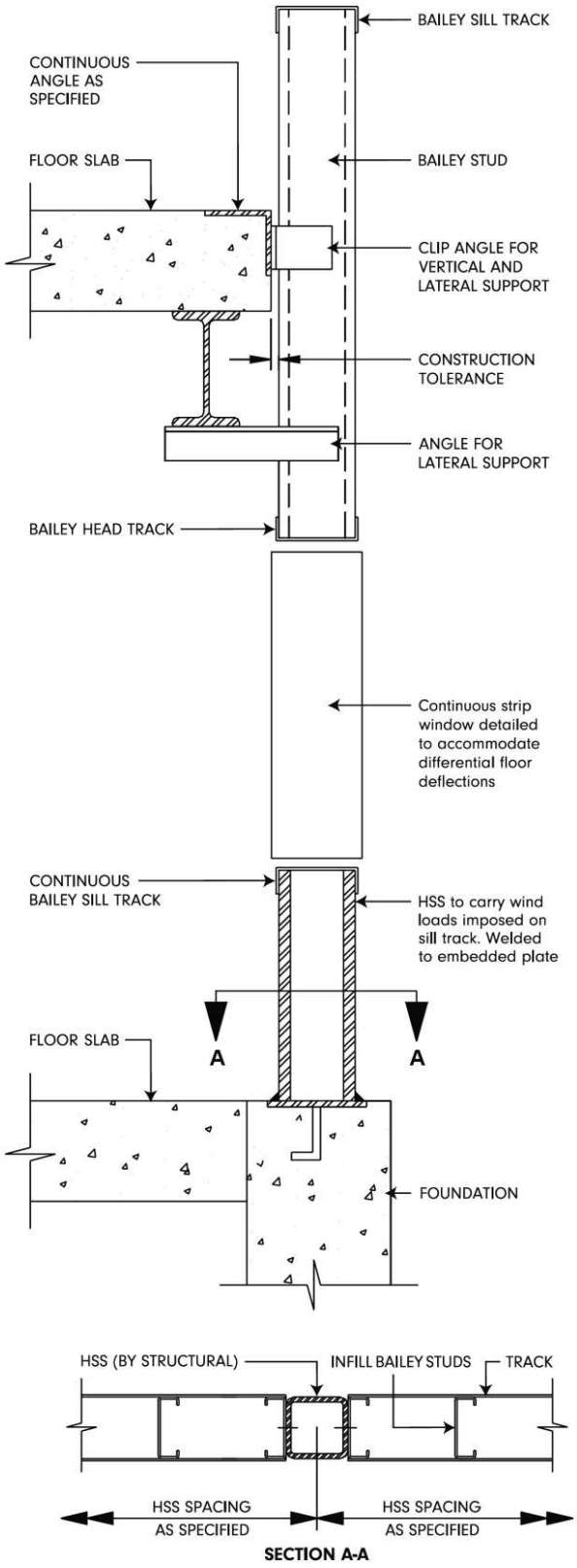
13 – Continuous Wind Bearing Stud at Parapet



14 – Wind Bearing Infill Wall



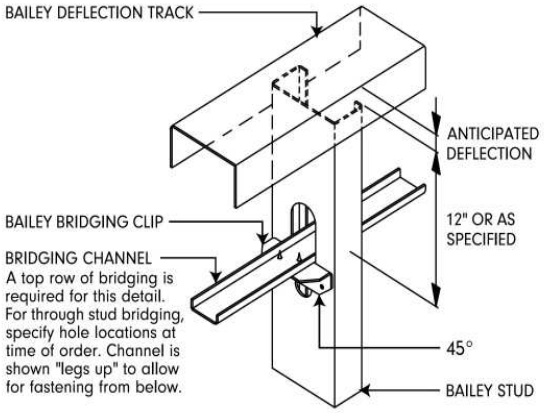
15 – Spandrel Wall for Strip Windows



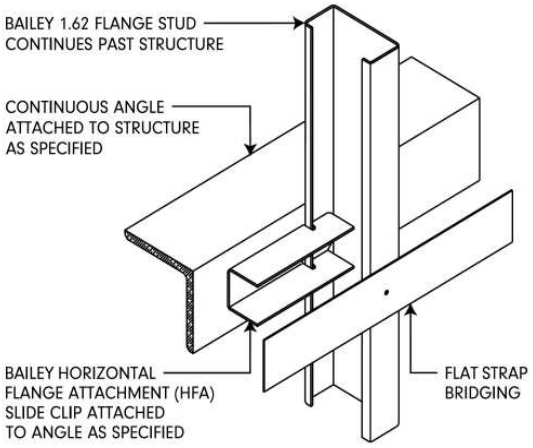
Bailey Lightweight Steel Framing Details

Wind Bearing Walls - Deflection Details

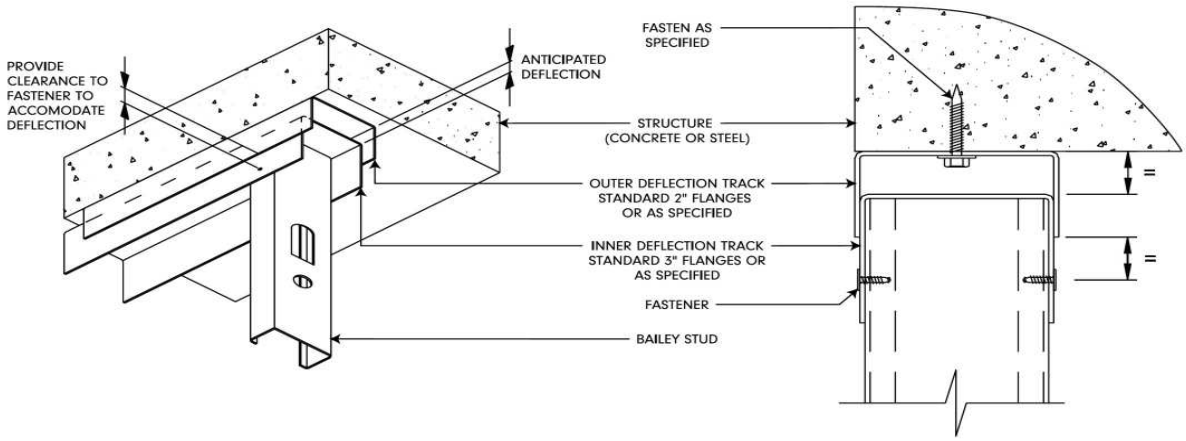
16 – Single Deflection Track



17 – Horizontal Flange Attachment (HFA) Clip

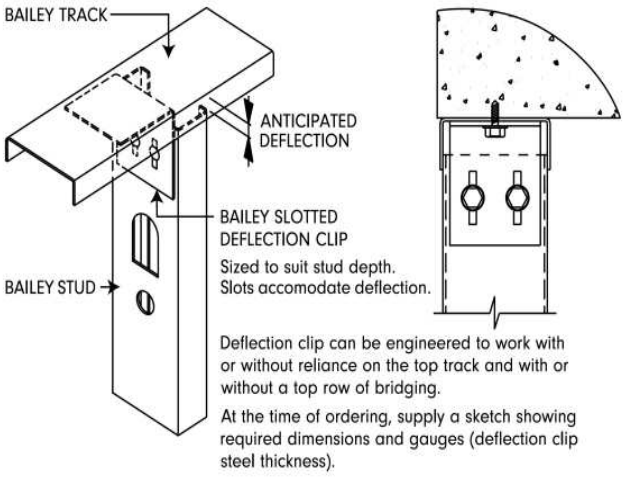


18 – Deflection Track

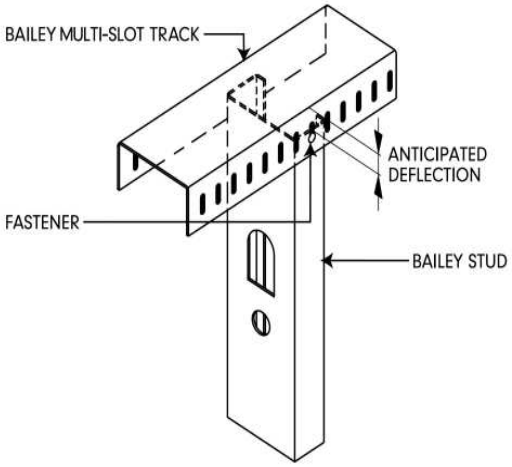


19 – Slotted Deflection Clip

(Radius Wall Applications)

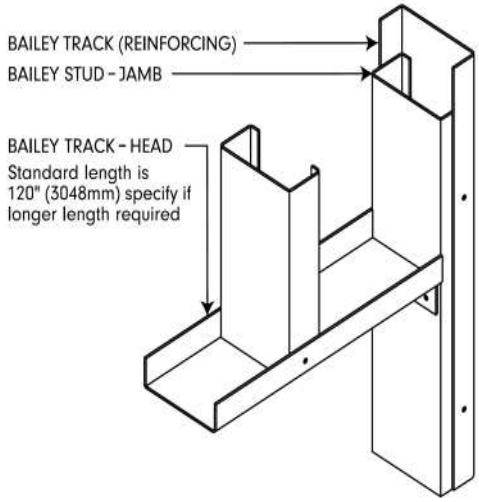


20 – Bailey Multi-Slot Track

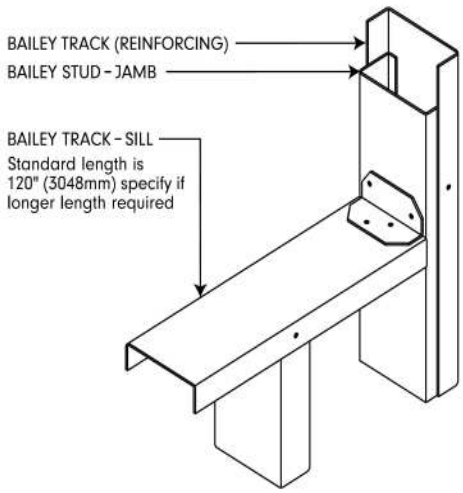


Bailey Lightweight Steel Framing Details Wind Bearing Walls – Details at Openings

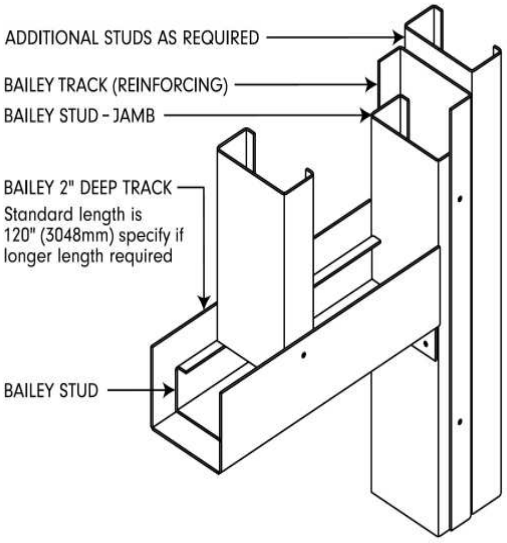
21 – Head Track to Jamb Studs



22 – Sill Track to Jamb Studs



23 – Reinforced Head Track to Jamb Stud



24 – Reinforced Sill Track to Jamb Stud