Lightweight Steel Framing Details

Joists for Floors & Roofs
Bailey Joists for Floors and Roofs

Bailey 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 and Rafter members can also be utilized for pitched, mansard and flat roofs. The use of Bailey LSF Joist and Rafter members will provide support for interior drywall ceilings where long clear spans are required.
Bailey Lightweight Steel Framing Details

Floor Joists

Floor Joist with Bridging and Blocking

Floor Mounted Inside Concrete Wall

Opening in Floor

Flush Connection to Supporting Beam

Joists Continuous Over Supporting Beam

Joists Overlapping Supporting Beam
Bailey Lightweight Steel Framing Details

Floor Joists

Joist Perpendicular to Perimeter

Joist above Loadbearing Wall

Joist Parallel to Perimeter

Joist Perpendicular to Perimeter

Joist above Loadbearing Wall

Joist Parallel to Perimeter
Bailey Lightweight Steel Framing Details

Roof Joists

Rafter at Peak

WEDGE AS REQUIRED

BAILEY TRACK

BRIDGING AS SPECIFIED

COLLAR TIE IF REQUIRED

JOIST RAFTER

PEAK CLOSURE SPECIFY SIZE, STEEL THICKNESS AND BEND ANGLE AT TIME OF ORDER

PERIODIC BLOCKING-IN WITH STUD BLOCKING AS SPECIFIED

Rafter at Perimeter Wall

BAILEY TRACK

BAILEY STUD

SOFFIT CLOSURE SPECIFY SIZE, STEEL THICKNESS AND BEND ANGLE AT TIME OF ORDER

Rafter at Perimeter Wall

BAILEY TRACK

BAILEY JOIST

BAILEY STUD

SOFFIT CLOSURE SPECIFY SIZE, STEEL THICKNESS AND BEND ANGLE AT TIME OF ORDER

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