

LIGHTWEIGHT STEEL FRAMING DETAILS GENERAL & WIND BEARING



MONTREAL • TORONTO • CALGARY • EDMONTON • VANCOUVER

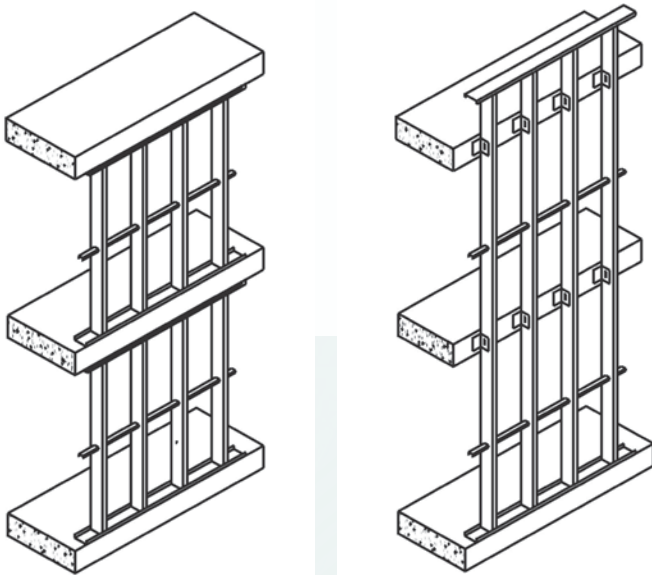
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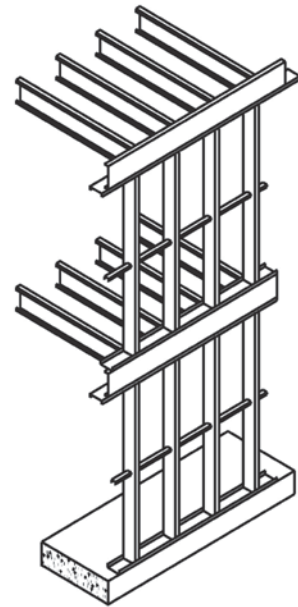
WALL ELEVATIONS

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.



EXTERIOR INFILL WALLS /
CONTINUOUS EXTERIOR CURTAIN WALLS

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.

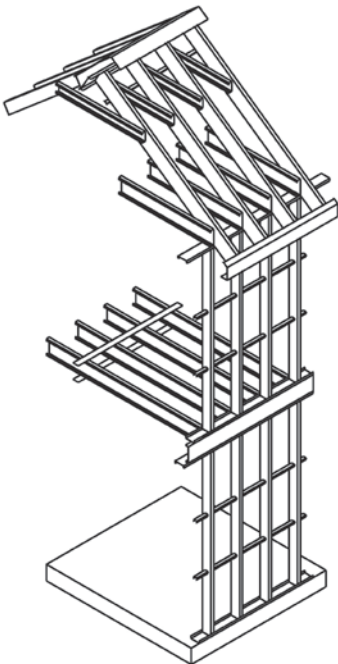


AXIAL LOAD BEARING WALLS



Bailey Joists for Floors & Roofs

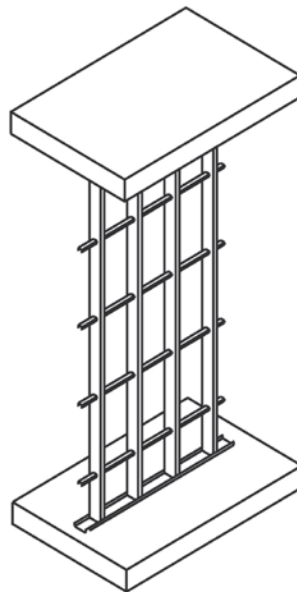
Lightweight Steel Framing (LSF) Joists offer a wide range of span and load capabilities for commercial and residential floor systems and mezzanines. LSF ceiling Joist members can also be utilized for pitched, mansard and flat roofs. The use of Bailey LSF Joist members will provide support for interior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



JOISTS FOR FLOORS & ROOFS

Bailey Non-Loadbearing Walls (BNLB)

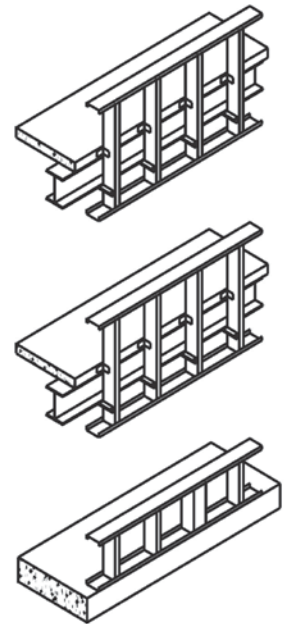
Lightweight Steel Framing (LSF) provides an effective solution for interior non-load bearing walls and partitions. When combined with top track deflection members, bulkheads will resist buckling caused by deflection of floor and roof assemblies. Non-load bearing LSF provides a stable framework for drywall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



TALL INTERIOR PARTITIONS

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.



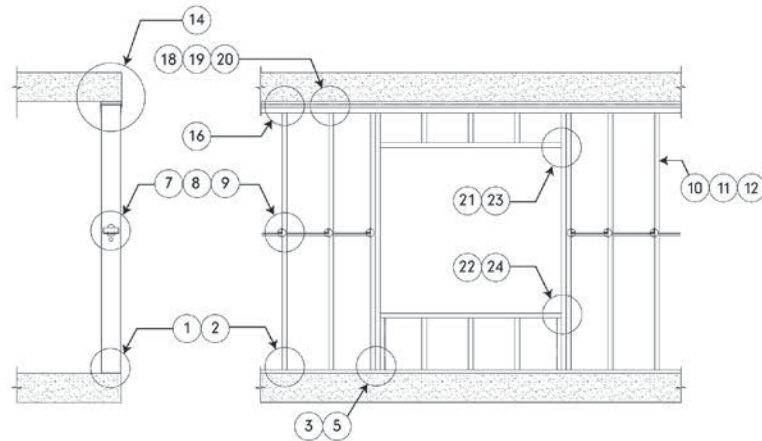
SPANDREL WALLS
FOR CONTINUOUS
STRIP WINDOWS



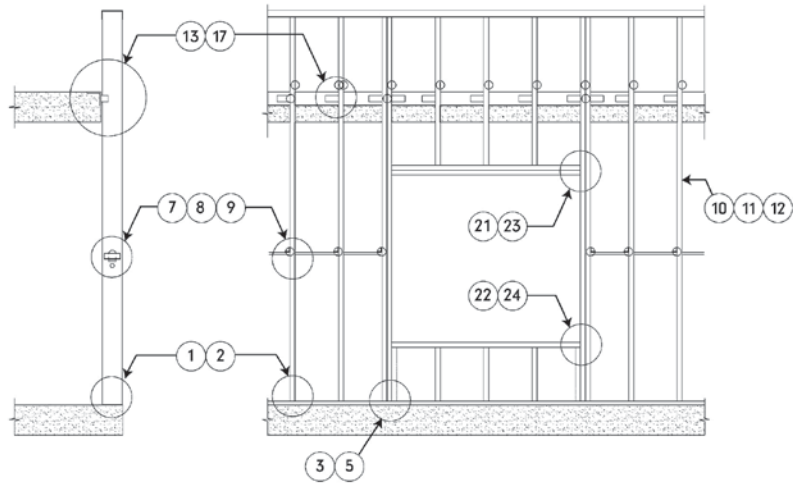
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WALL ELEVATIONS

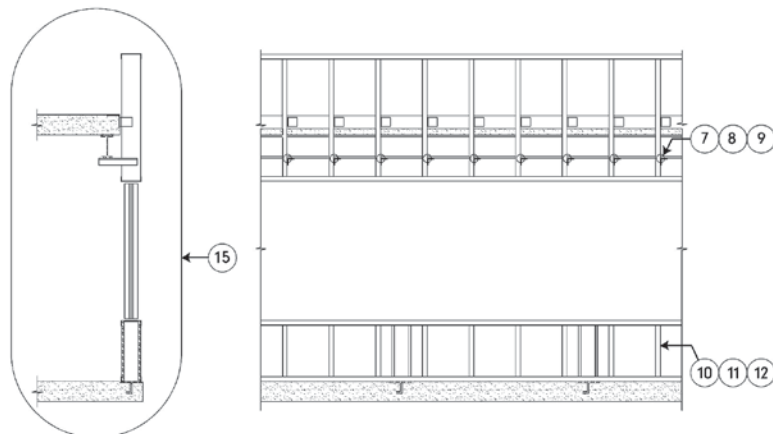
WIND LOADBEARING INFILL WALL



WIND LOADBEARING CONTINUOUS CURTAIN WALLS



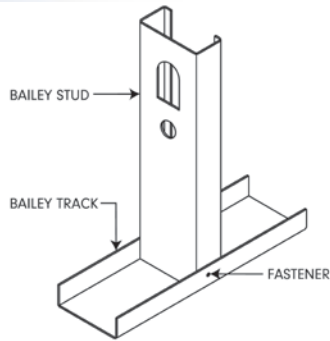
WIND LOADBEARING SPANDREL WALL FOR STRIP WINDOWS



GENERAL DETAILS

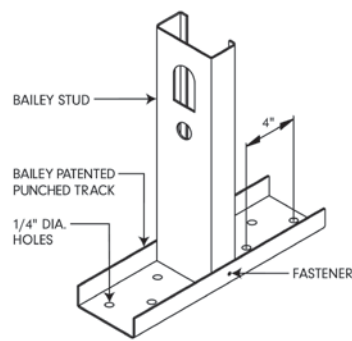
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BAILEY STUD TO
BAILEY TRACK



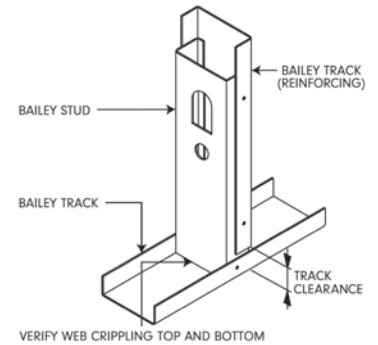
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BAILEY STUD TO BAILEY
PATENTED PUNCHED TRACK



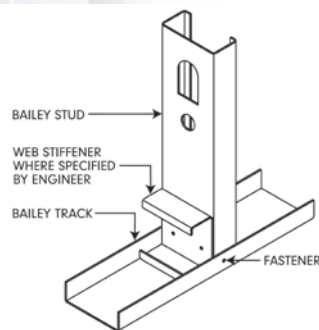
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BAILEY STUD REINFORCED
WITH BAILEY TRACK



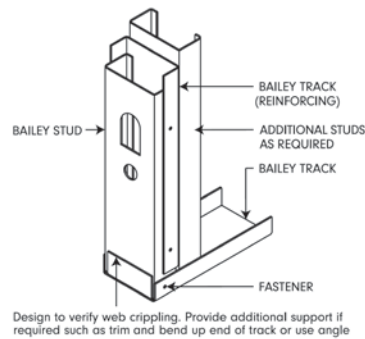
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BAILEY STUD WITH WEB
STIFFENER REINFORCING



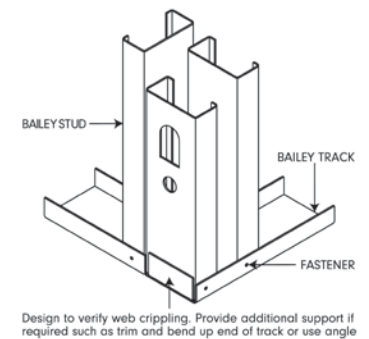
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JAMB STUD AT
DOOR OPENING



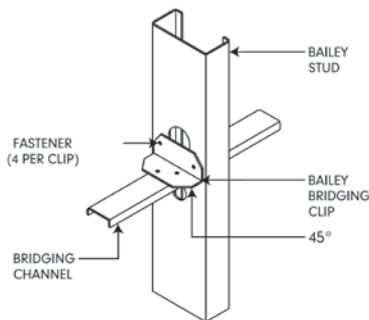
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BAILEY STUD TO BAILEY
TRACK AT CORNERS



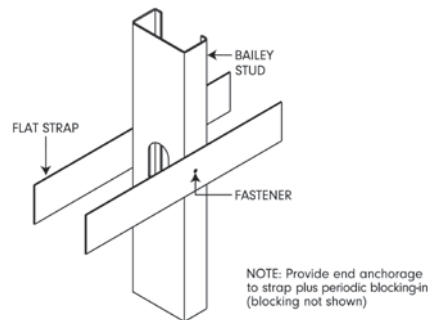
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THROUGH-THE-STUD
BRIDGING



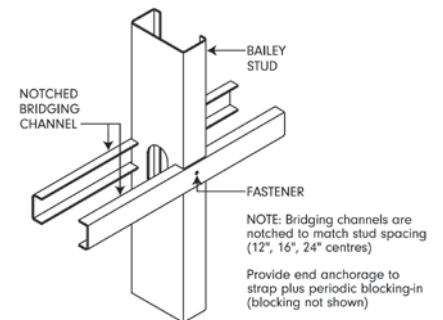
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FLAT STRAP BRIDGING



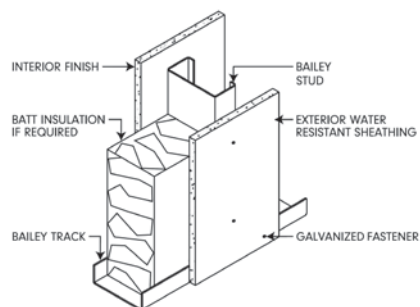
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NOTCHED CHANNEL
BRIDGING



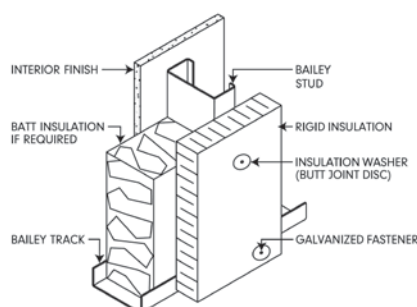
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EXTERIOR SHEATHING



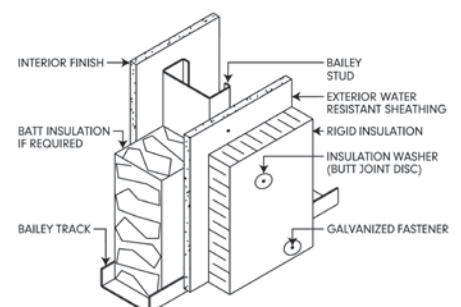
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EXTERIOR RIGID
INSULATION



12

EXTERIOR SHEATHING
AND RIGID INSULATION



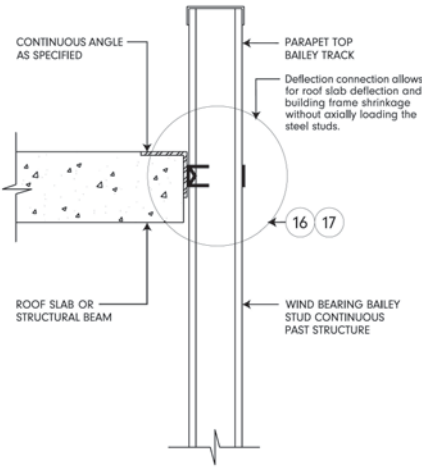


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WIND BEARING WALLS

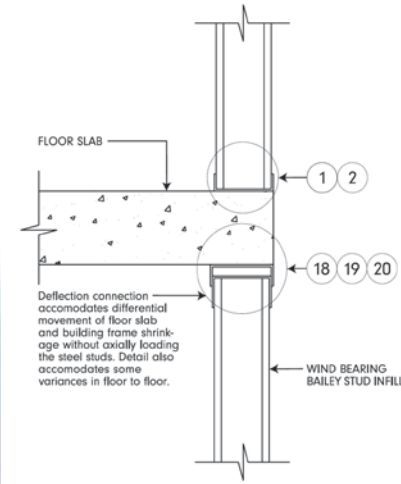
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CONTINUOUS WIND BEARING STUD AT PARAPET



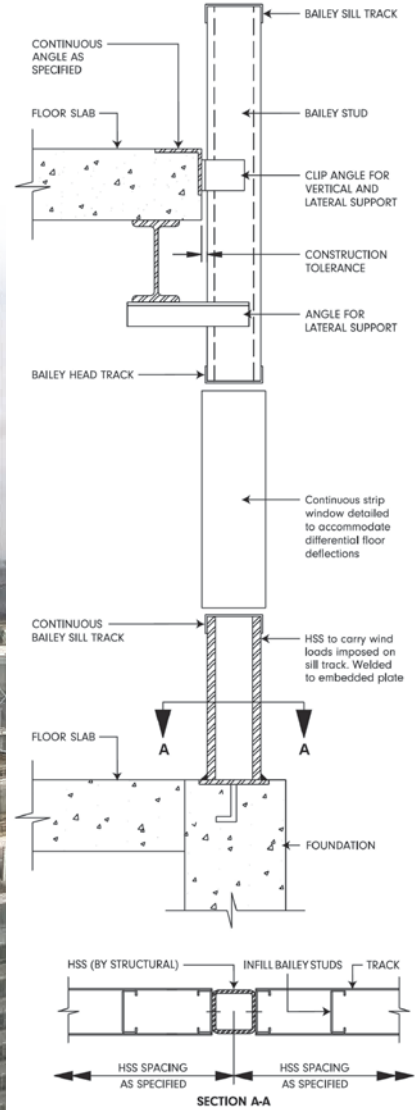
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WIND BEARING INFILL WALL



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SPANDREL WALL FOR STRIP WINDOWS

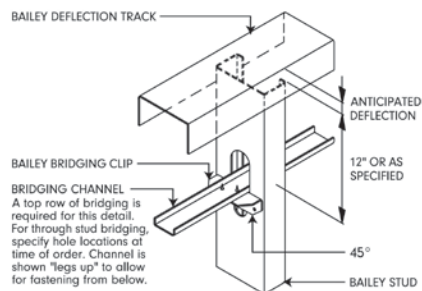




WIND BEARING WALLS – DEFLECTION DETAILS

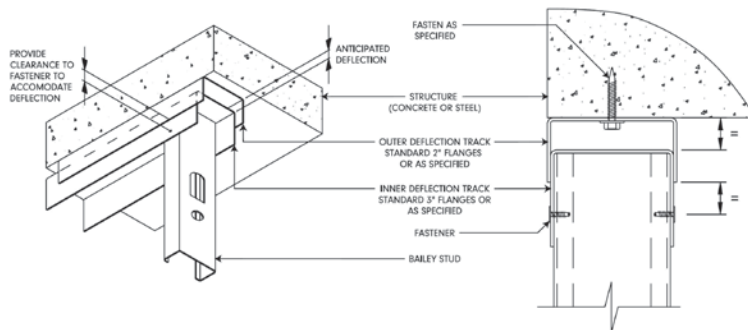
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SINGLE DEFLECTION TRACK



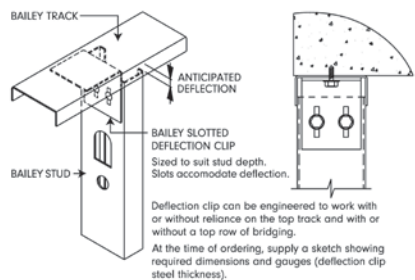
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DEFLECTION TRACK



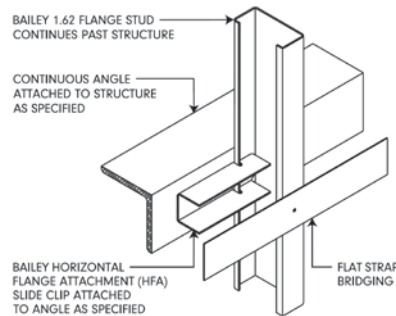
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SLOTTED DEFLECTION CLIP (Radius Wall Applications)



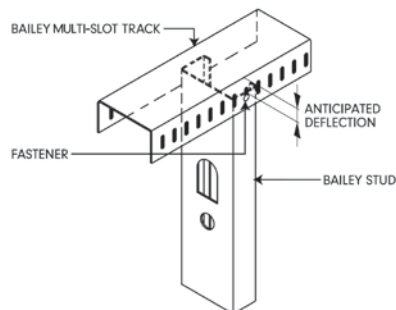
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HORIZONTAL FLANGE ATTACHMENT (HFA) CLIP



20

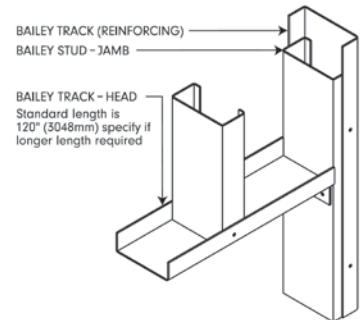
BAILEY MULTI-SLOT TRACK



WIND BEARING WALLS – DETAILS AT OPENINGS

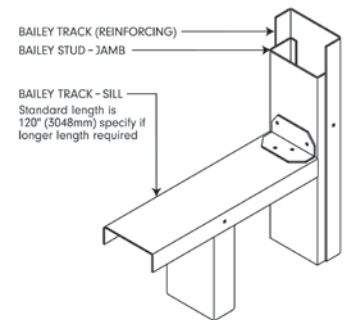
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HEAD TRACK TO JAMB STUDS



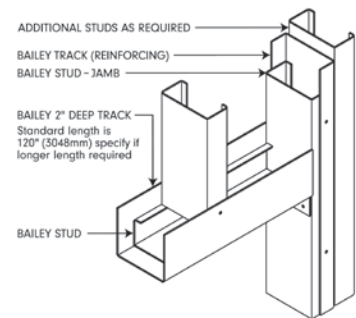
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SILL TRACK TO JAMB STUDS



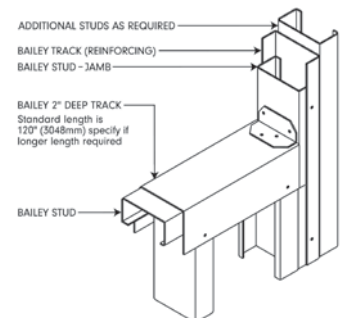
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REINFORCED HEAD TRACK TO JAMB STUD



24

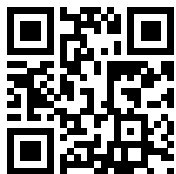
REINFORCED SILL TRACK TO JAMB STUD





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