

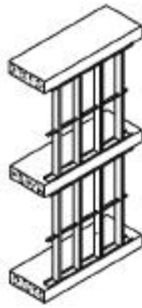
Lightweight Steel Framing Details - *General*

CSSBI 59-04-A
November 2004

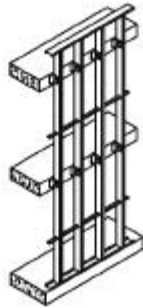


Wind Bearing Walls (WB)

LSF provides economical structural support for finishes under lateral wind loads on buildings where other structural components carry the axial loads. WB 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.



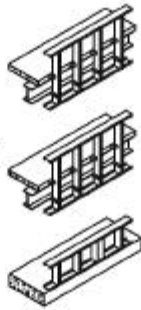
Exterior
Infill
Walls



Continuous
Exterior
Curtain
Walls



Tall
Interior
Partitions



Spandrel
Walls for
Continuous
Strip
Windows



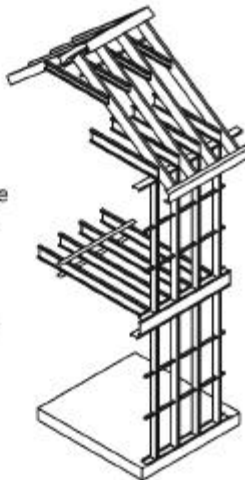
Axial Load-Bearing Walls (AB)

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, OWSJ's and hollow precast concrete.

Joists for Floors and Roofs

LSF joists offer a wide range of span and load capacities for mezzanine floors, residential floors, pitched roofs, mansards and flat roofs as well as support for interior drywall ceilings where a long clear span is desired.



Lightweight Steel Framing Details

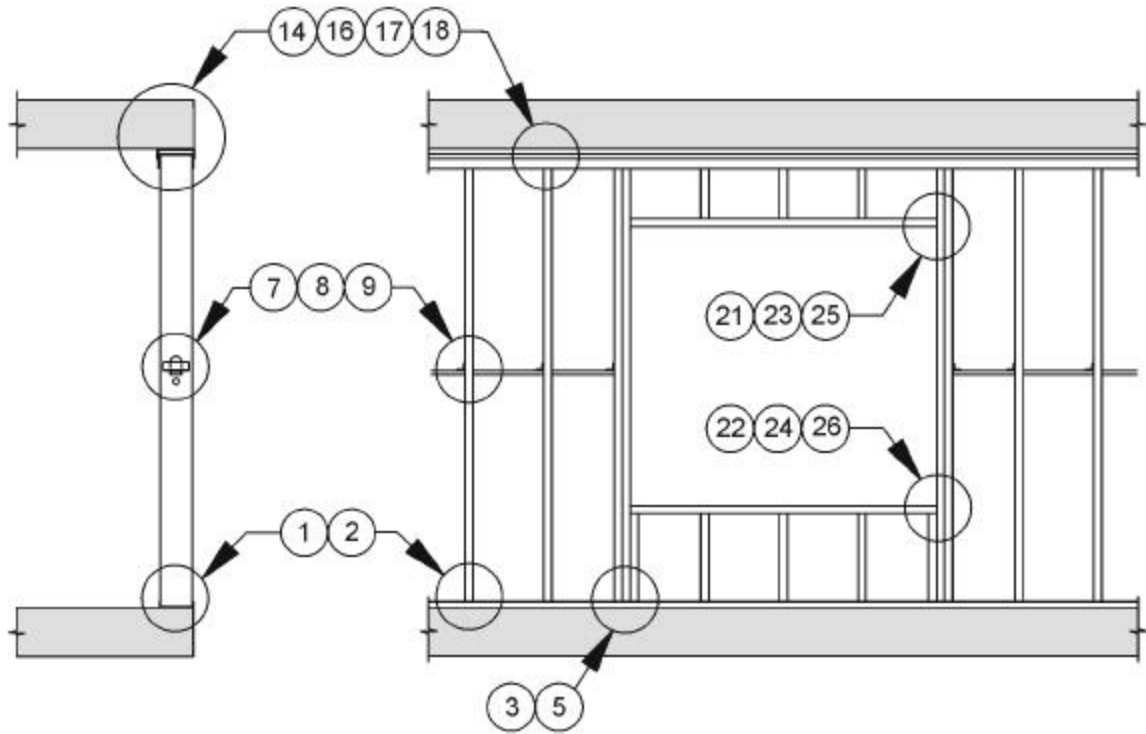
CSSBI 59-2004
November 2004



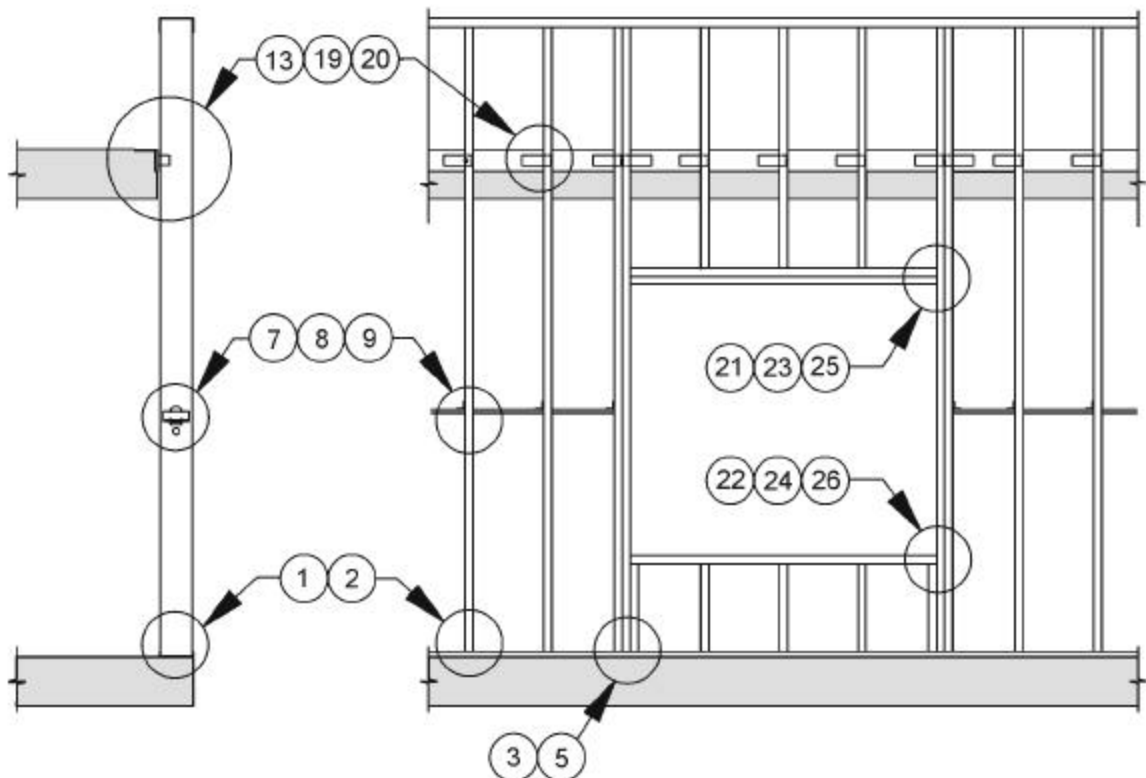
Preface

The material presented in this publication has been prepared for the general information of the reader. While the material is believed to be technically correct and in accordance with recognized good practice at the time of publication, it should not be used without first securing competent advice with respect to its suitability for any specific application. Neither the *Canadian Sheet Steel Building Institute* nor its Members warrant or assume liability for the suitability of the material for any general or particular use.

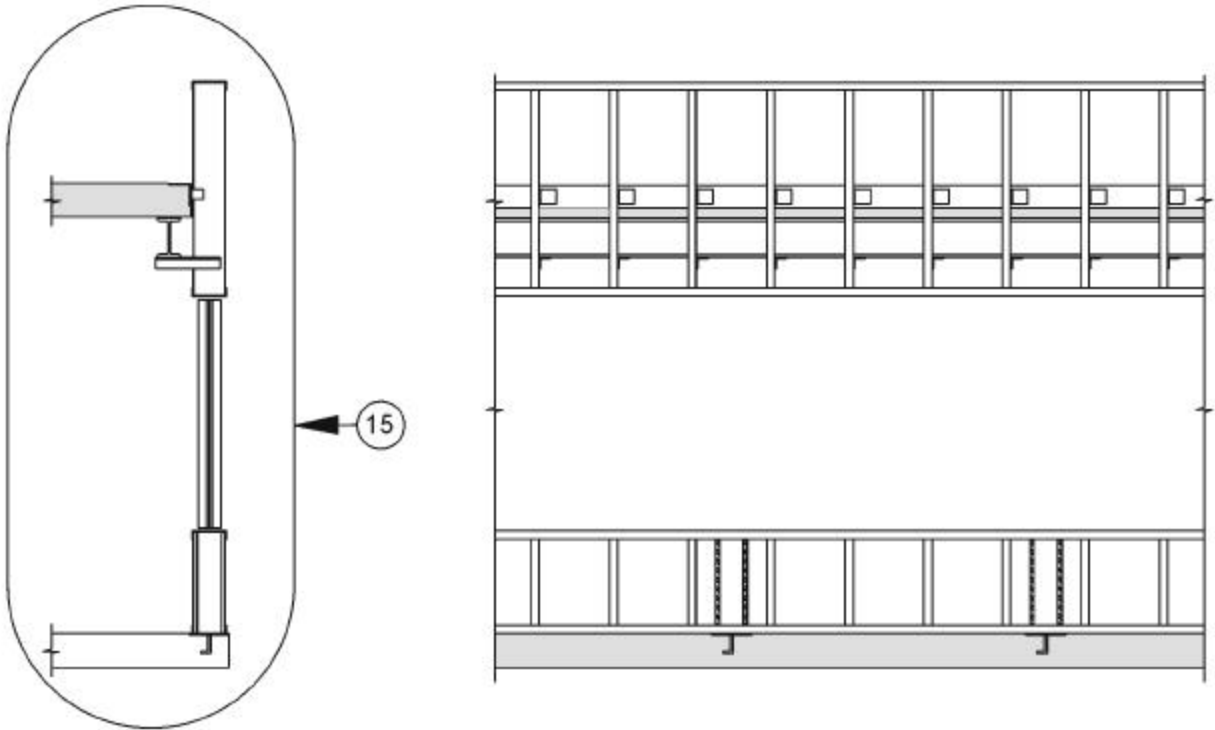
Wind Loadbearing Infill Wall



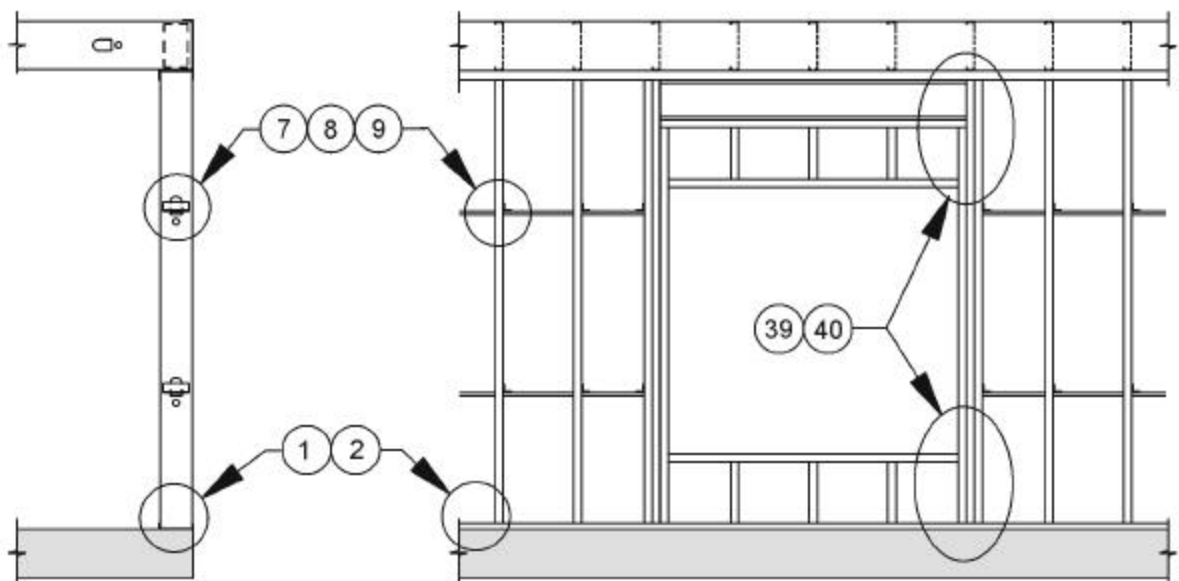
Wind Loadbearing Continuous Curtain Wall



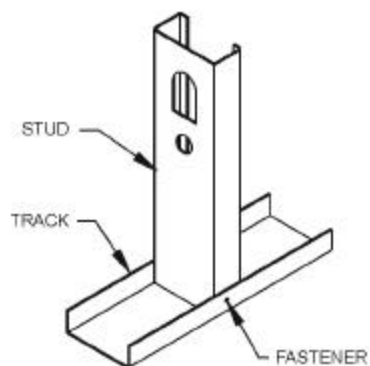
Wind Loadbearing Spandrel Wall for Strip Windows



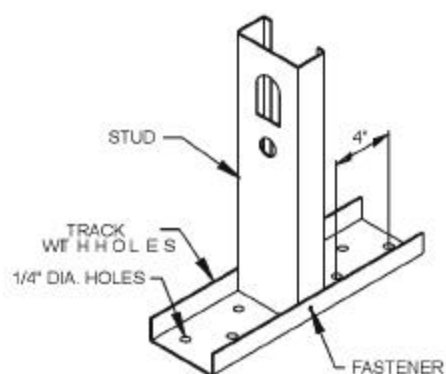
Axial Loadbearing Wall



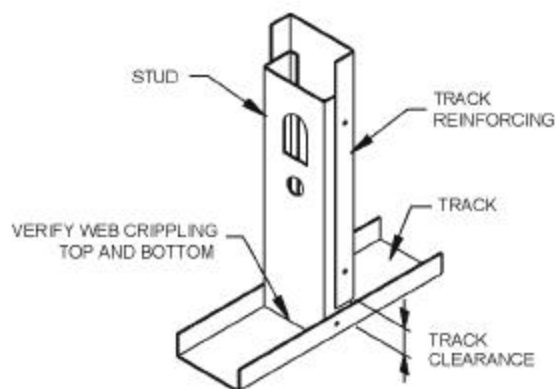
GENERAL DETAILS



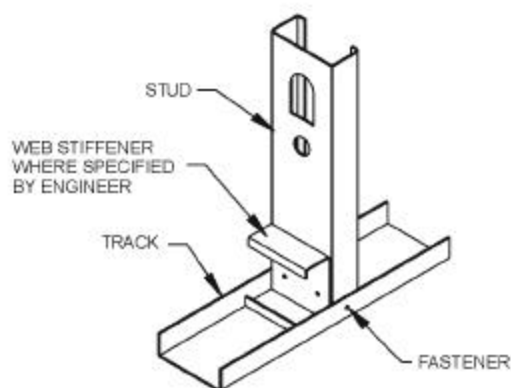
1 STUD TO TRACK



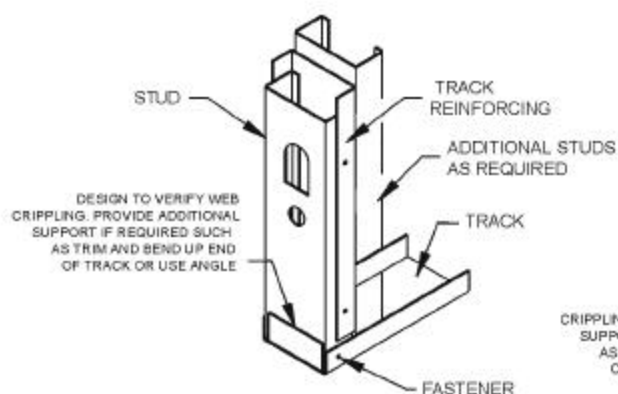
2 STUD TO TRACK WITH HOLES



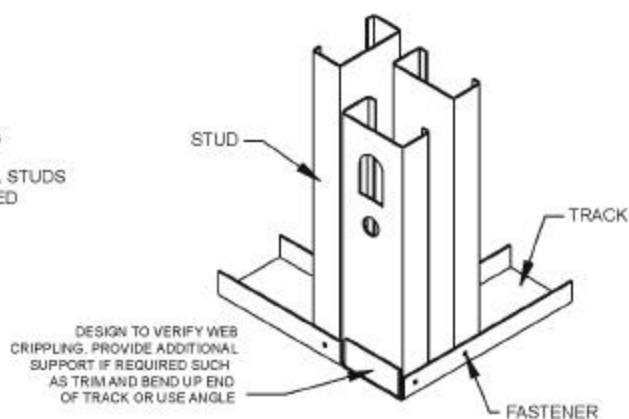
3 STUD REINFORCED WITH TRACK



4 STUD WITH WEB STIFFENER REINFORCING

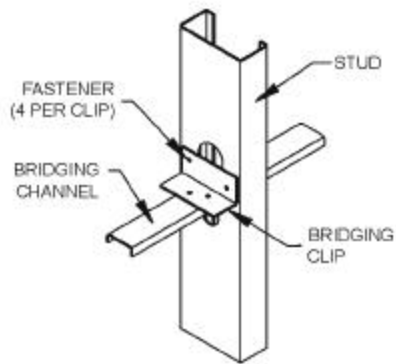


5 JAMB STUD AT DOOR OPENING

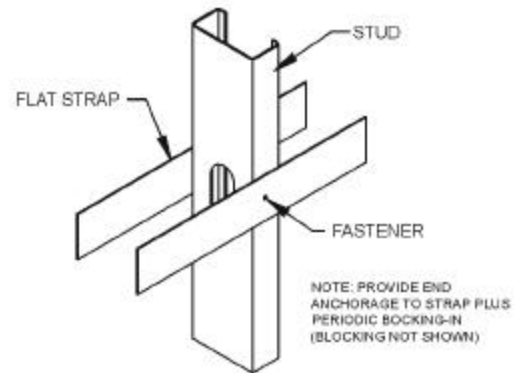


6 STUD TO TRACK AT CORNERS

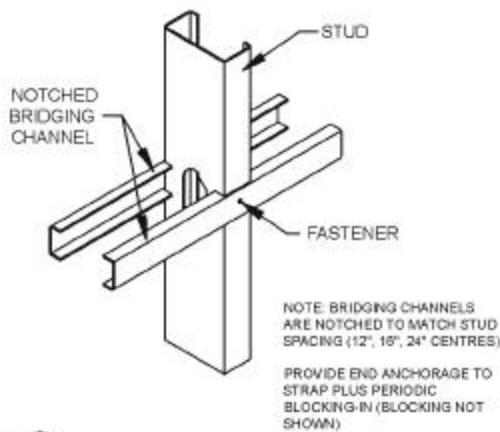
GENERAL DETAILS



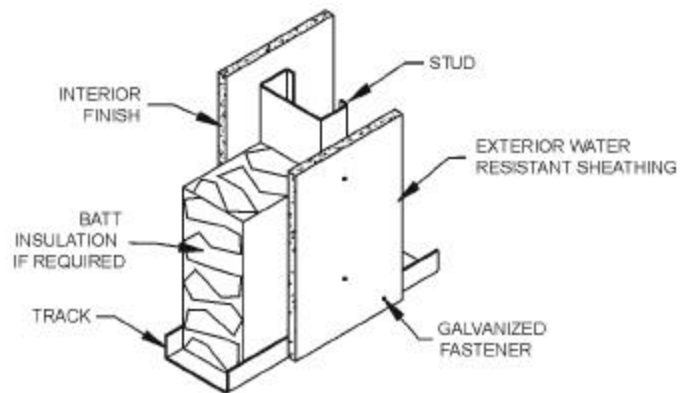
7 THROUGH-THE-STUD BRIDGING



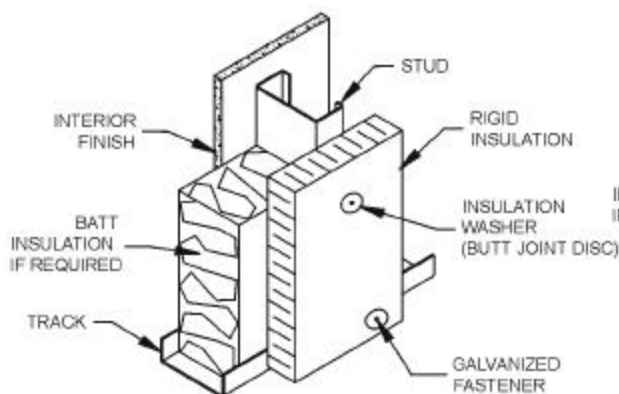
8 FLAT STRAP BRIDGING



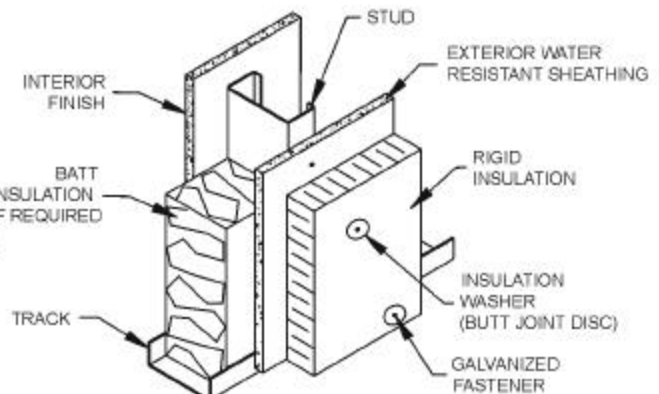
9 NOTCHED CHANNEL BRIDGING



10 EXTERIOR SHEATHING



11 EXTERIOR RIGID INSULATION



12 EXTERIOR SHEATHING AND RIGID INSULATION