

HIGH WIND RESISTANCE CONSTRUCTION GUIDE



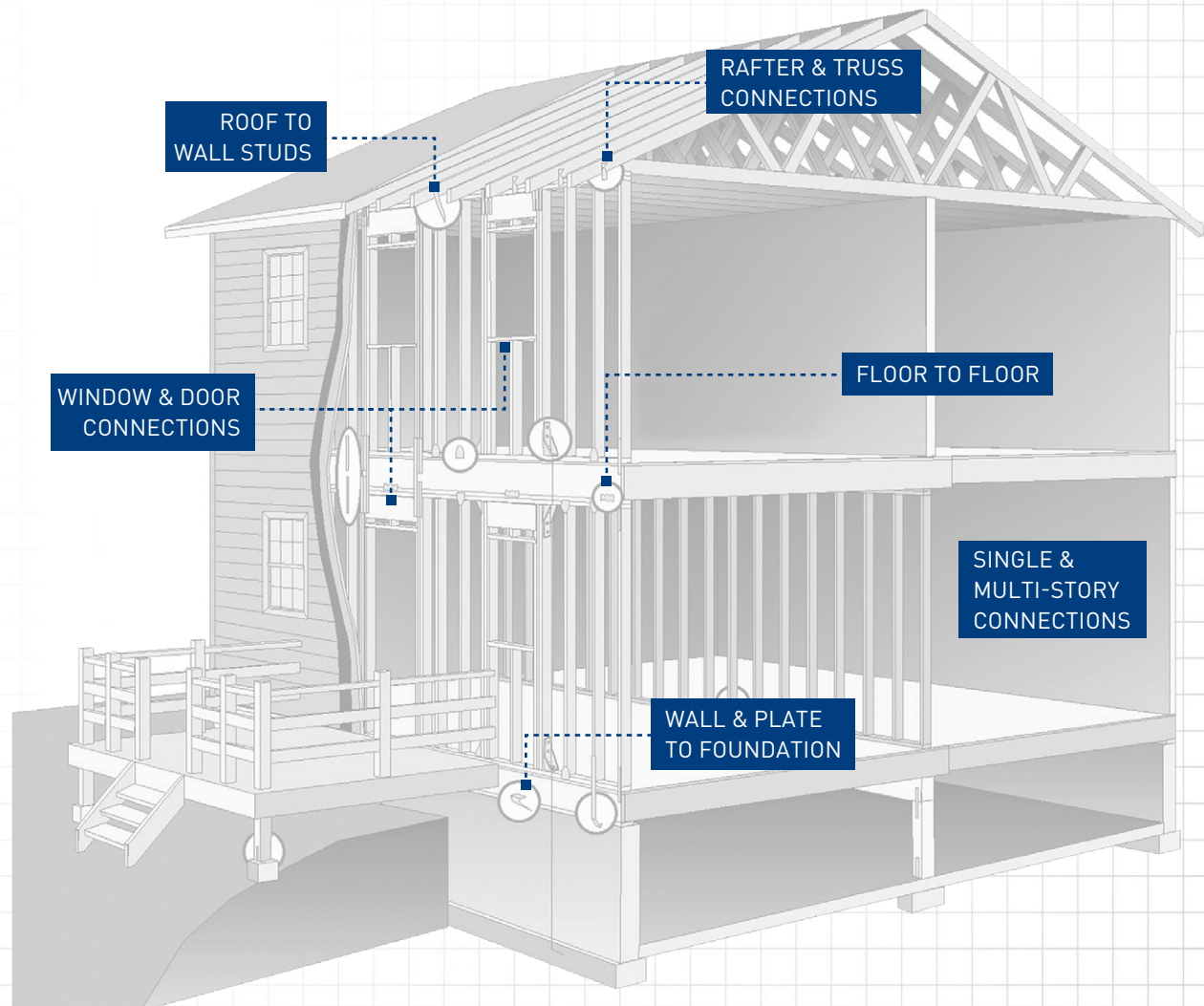
VALUES FOR SPRUCE PINE FIR (S-P-F)

Continuous Load Path

Research and field investigations have proven wood frame buildings fail at connection points.

Wood buildings can survive high wind loads when structurally rated and tested lumber connectors are used to develop a continuous load path, effectively transferring loads from roof to foundation.

This guide illustrates structurally-rated products manufactured by MiTek, to aid the designer in achieving continuous load paths. Refer to the **MiTek Product Catalog** or appropriate code evaluation reports for nail schedules, installations, and product information at MITek-US.com.



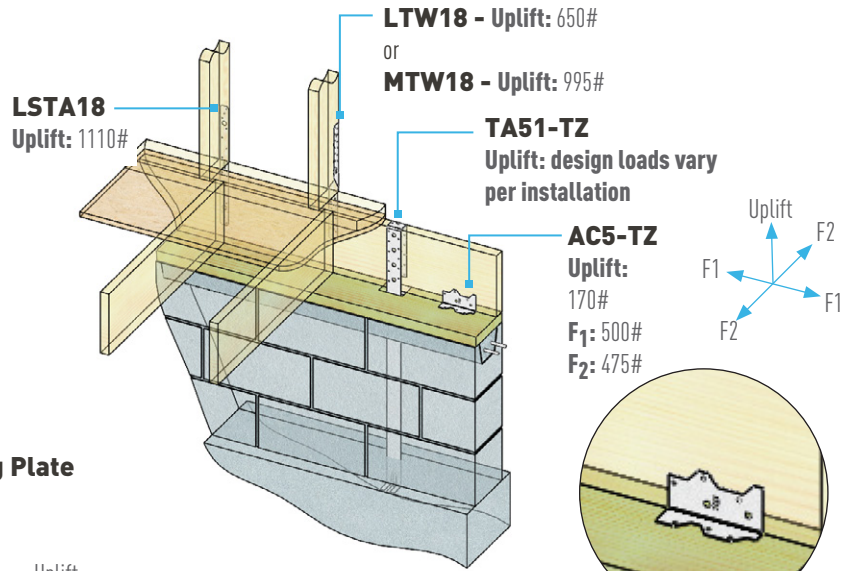
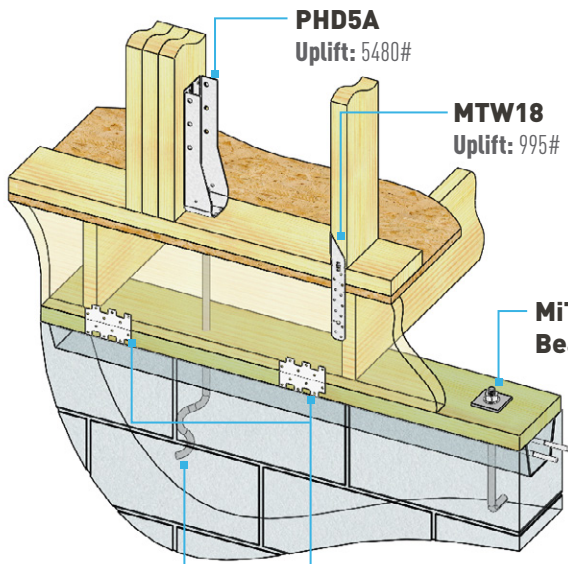
MiTek[®]

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FOUNDATION CONNECTIONS

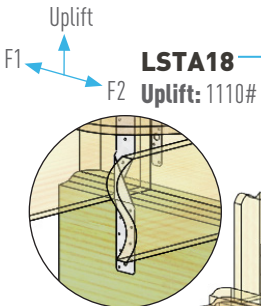
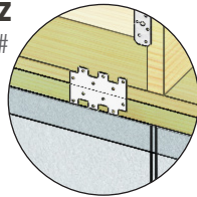
FOUNDATION OUTSIDE VIEW



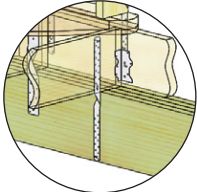
FOUNDATION INSIDE VIEW

MiTek STB series anchor bolt

MP4F-TZ
Uplift: 645#
F₁: 645#



MTW18
Uplift: 995#



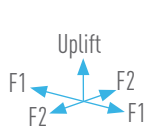
LFTA6-TZ
Uplift: 825#
F₁: 625#
F₂: 100#

AC5-TZ
Uplift: 500#
F₁: 170#
F₂: 170#

MTW20-TZ
Uplift: 995#

PILING

PS218-HDG
(design loads vary per installation)



LSTA18
Uplift: 1110#

MTW18
Uplift: 995#

RS150
Uplift: 1730#

PS218-HDG
(design loads vary per installation)

JUS210-TZ
Uplift: 840#

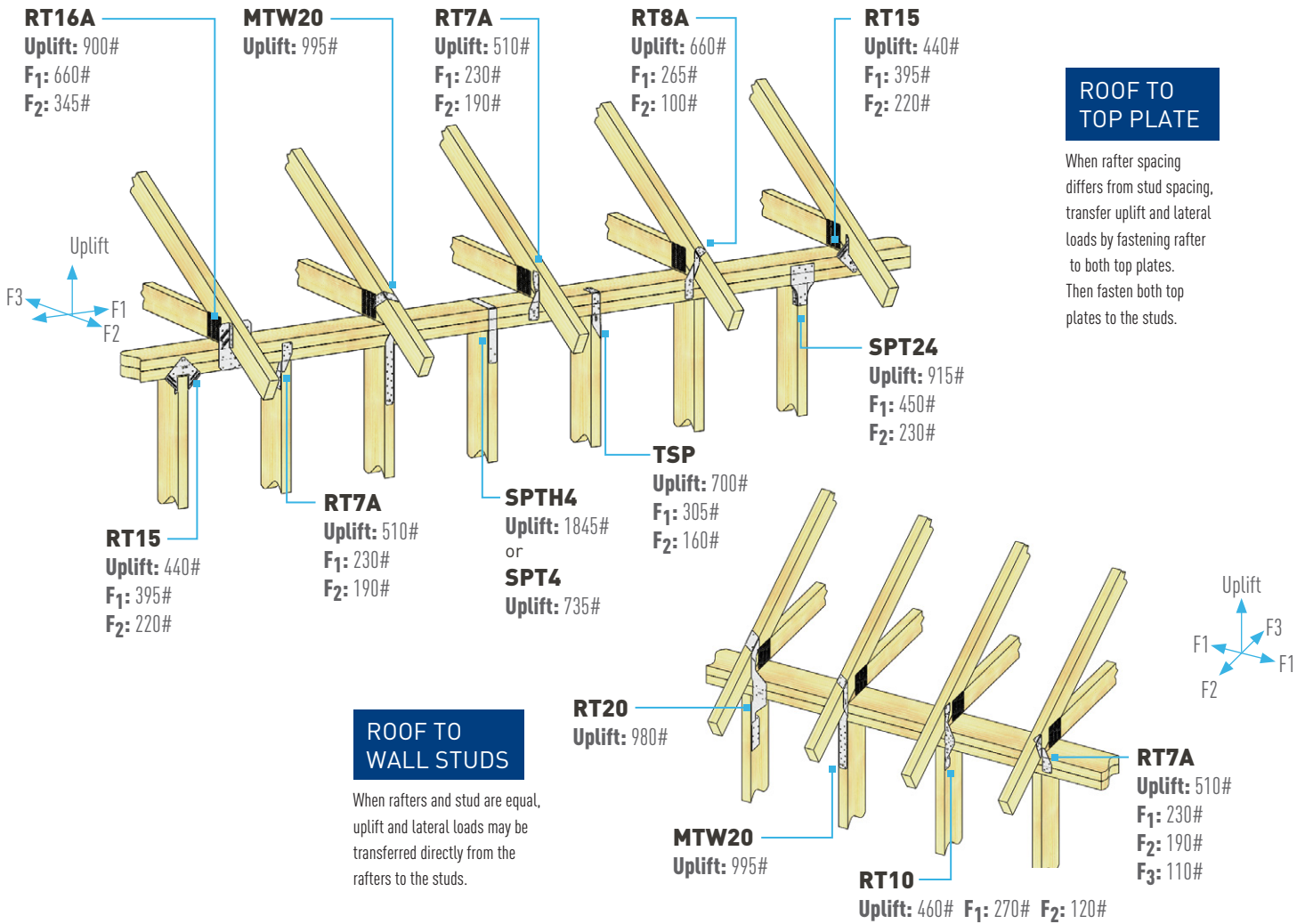
PILING FLUSH

MONO CONCRETE SLAB

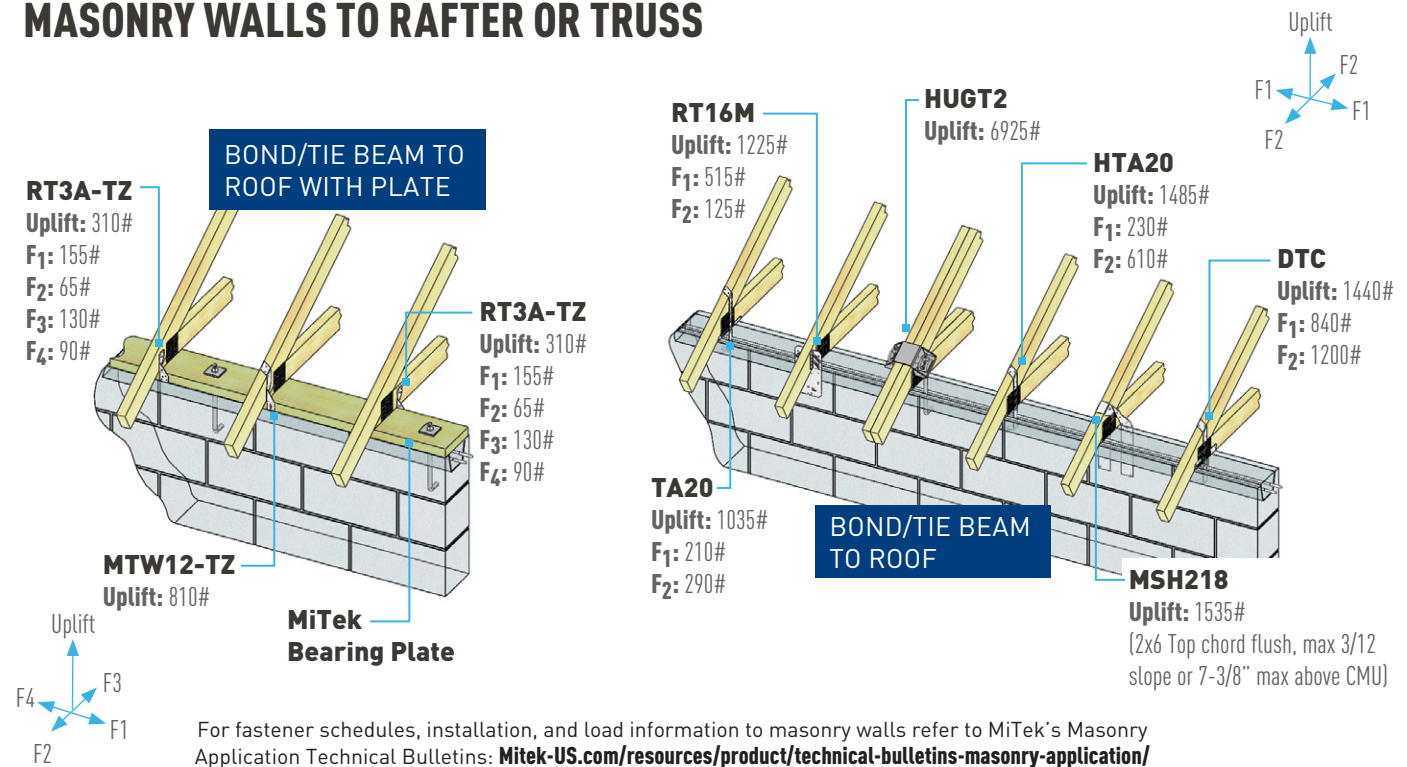
HTT45
Uplift: 5325#

MiTek STB series anchor bolt

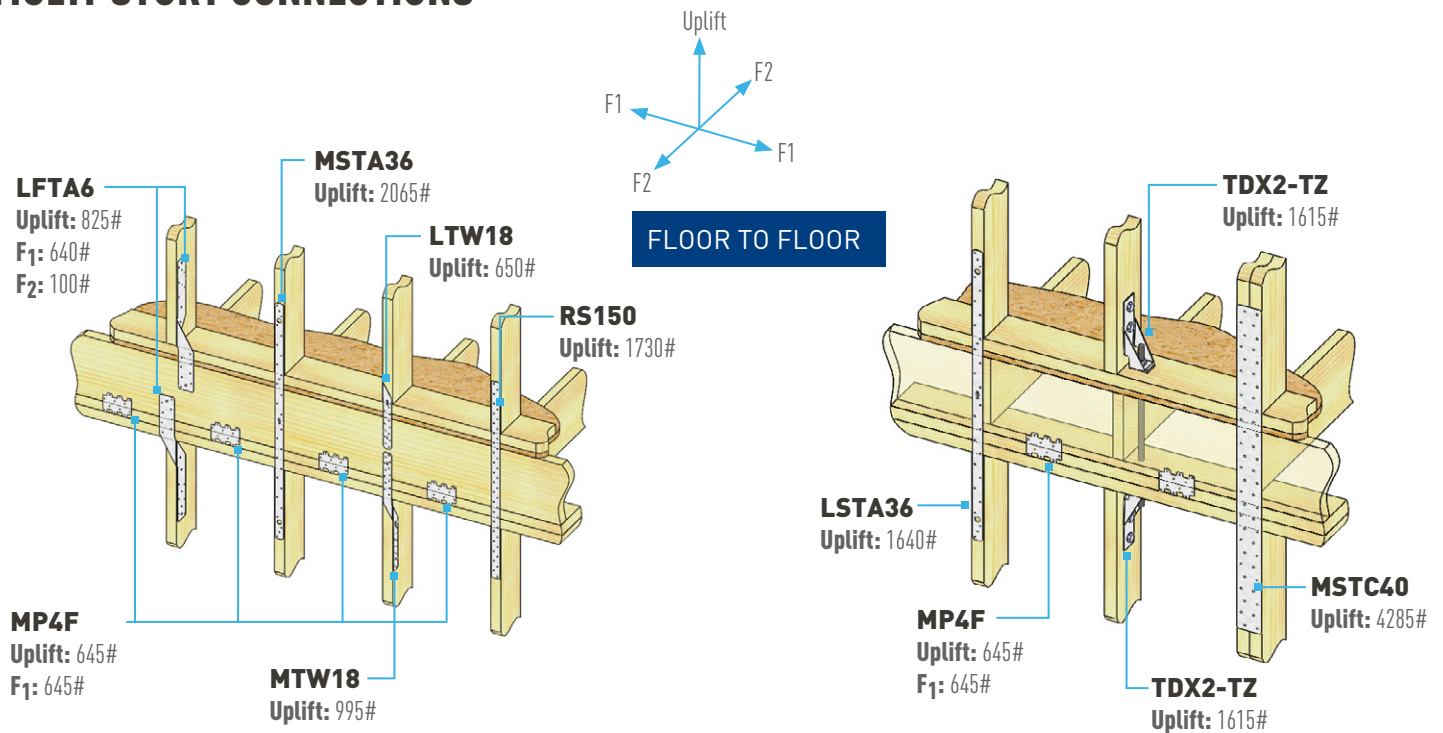
RAFTER AND TRUSS CONNECTIONS



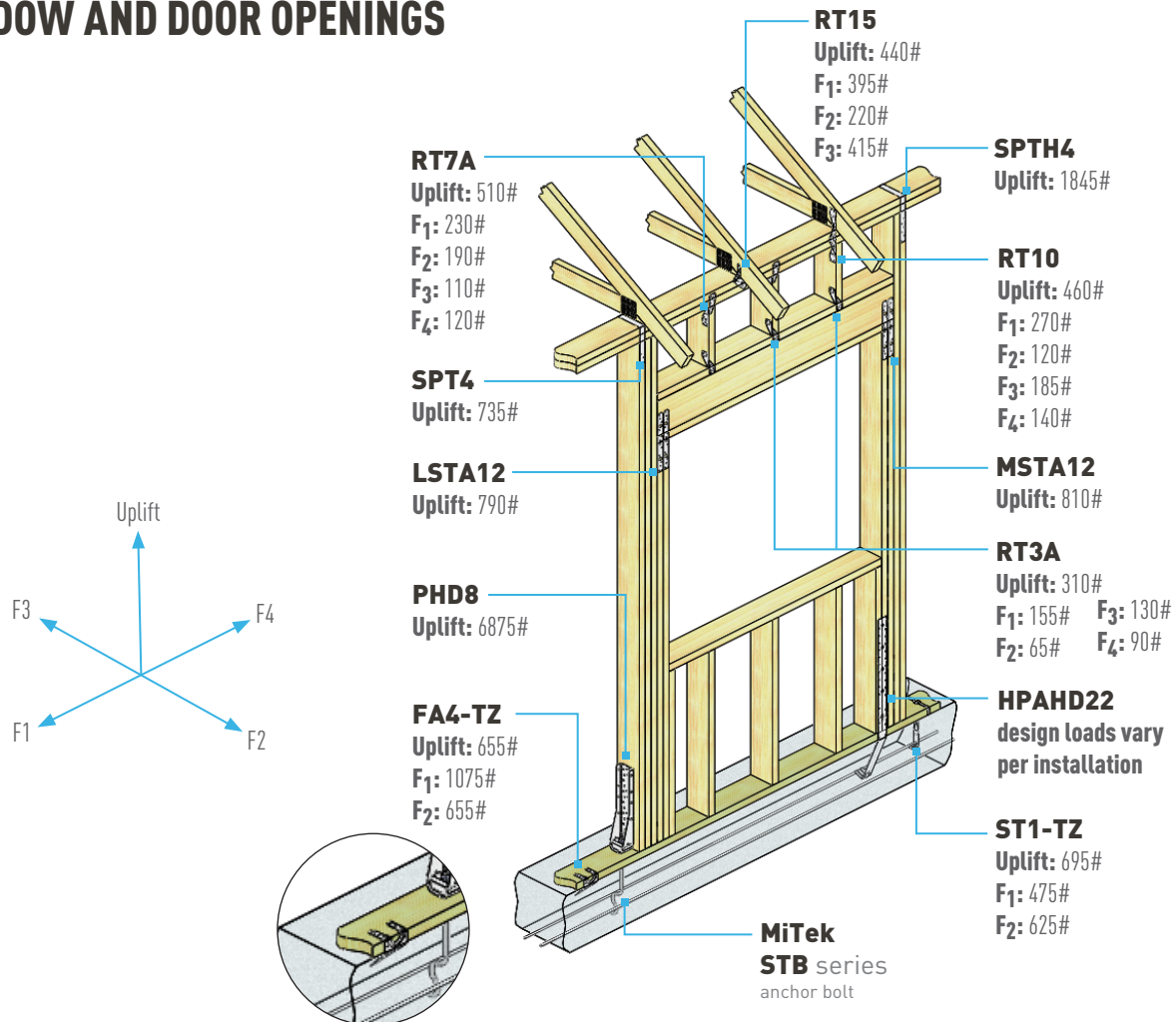
MASONRY WALLS TO RAFTER OR TRUSS



MULTI-STORY CONNECTIONS

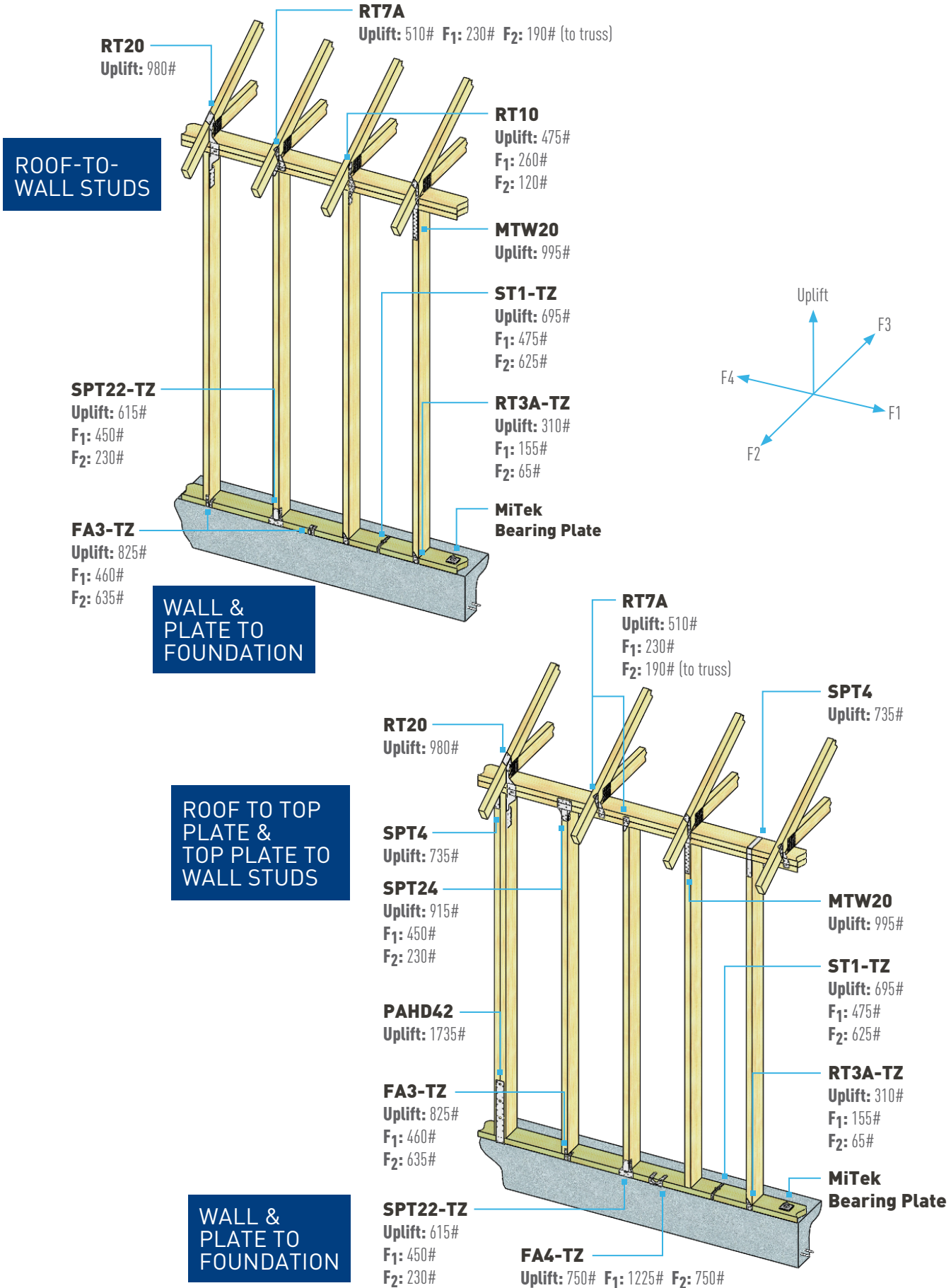


WINDOW AND DOOR OPENINGS



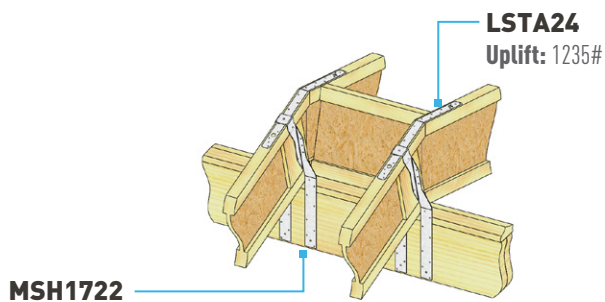
Refer to MiTek Product Catalog or appropriate code evaluation reports for fastener schedules, installation, and product information.

SINGLE-STORY WOOD FRAME (TO TRUSS)

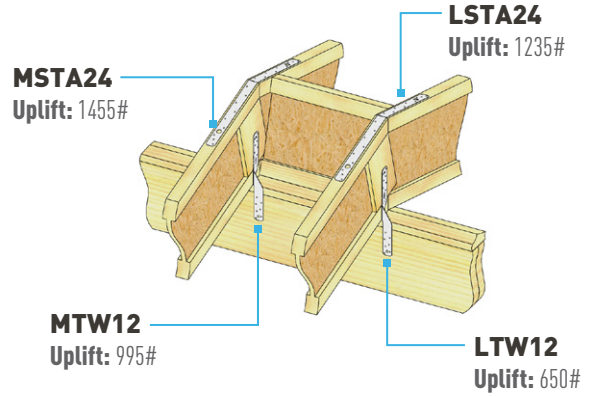


RAFTER TO PLATE OR RIDGE CONNECTIONS

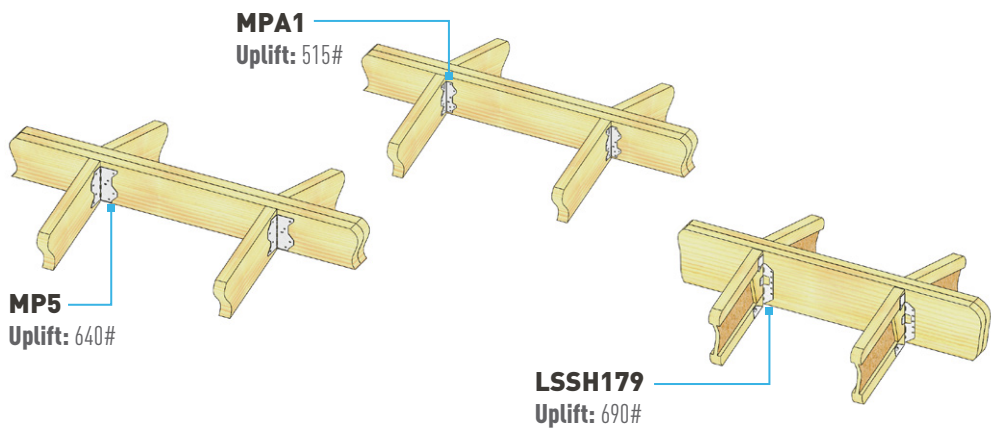
RIDGE RAFTER TIEDOWN



As shown for 1-3/4" wide joist.
A different MSH hanger may be required depending on rafter width.



RAFTER TO RIDGE BEAM



RAFTER-TO-WALL

