CONSTRUCTION DETAILS FOR OUTRIGGER/PURLIN COMBINATION
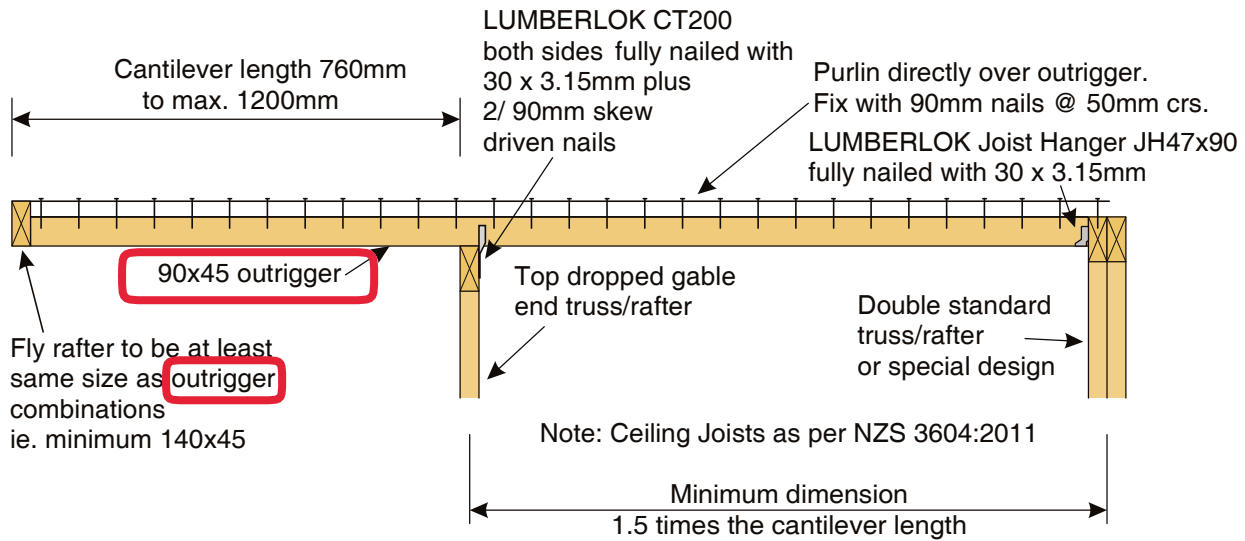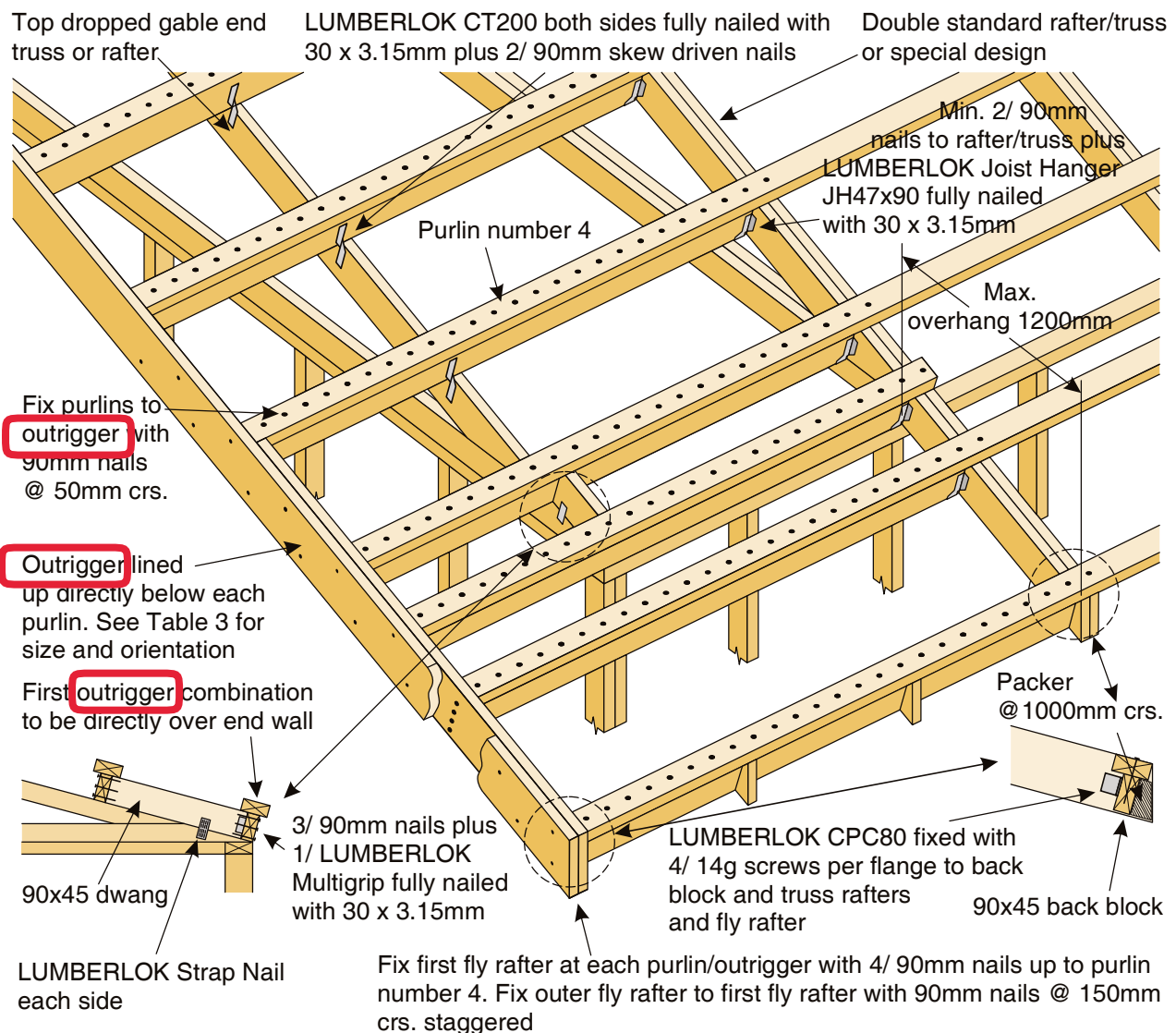
(SPANS & CENTRES AS PER TABLE 3)

Cantilever length 760mm to max. 1200mm

LUMBERLOK CT200 both sides fully nailed with 30 x 3.15mm plus 2/ 90mm skew driven nails

Purlin directly over outrigger. Fix with 90mm nails @ 50mm crs.

LUMBERLOK Joist Hanger JH47x90 fully nailed with 30 x 3.15mm

90x45 outrigger

Top dropped gable end truss/rafter

Double standard truss/rafter or special design

Fly rafter to be at least same size as outrigger combinations ie. minimum 140x45

Note: Ceiling Joists as per NZS 3604:2011

Minimum dimension 1.5 times the cantilever length

CROSS SECTION

Top dropped gable end truss or rafter

LUMBERLOK CT200 both sides fully nailed with 30 x 3.15mm plus 2/ 90mm skew driven nails

Double standard rafter/truss or special design

Min. 2/ 90mm nails to rafter/truss plus LUMBERLOK Joist Hanger JH47x90 fully nailed with 30 x 3.15mm

Purlin number 4

Max. overhang 1200mm

Fix purlins to outrigger with 90mm nails @ 50mm crs.

Outrigger lined up directly below each purlin. See Table 3 for size and orientation

First outrigger combination to be directly over end wall

Packer @1000mm crs.

3/ 90mm nails plus 1/ LUMBERLOK Multigrip fully nailed with 30 x 3.15mm

LUMBERLOK CPC80 fixed with 4/ 14g screws per flange to back block and truss rafters and fly rafter

90x45 back block

90x45 dwang

LUMBERLOK Strap Nail each side

Fix first fly rafter at each purlin/outrigger with 4/ 90mm nails up to purlin number 4. Fix outer fly rafter to first fly rafter with 90mm nails @ 150mm crs. staggered

LAYOUT