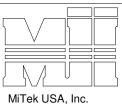
## AUGUST 1, 2016

## ROOF TRUSS GIRDER LEDGER DETAIL

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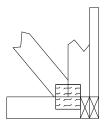


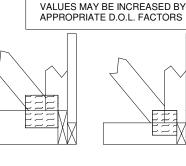
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MiTek USA, Inc.

## CASE 1 - SAME CHORD SIZE AND LEDGER SIZE CASE 2 & 3 - CHORD SIZE AND LEDGER SIZE DIFFERENT CASE MAX. GRAVITY LOAD ( pif. )

1	2x4 LEDGER / 2x4 CHORD		2x6 LEDGER / 2x6 CHORD		2x8 LEDGER / 2x8 CHORD		2x10 LEDGER / 2x10 CHORD	
2&3	2 x 4 MIN. MBR / 2 x 6 MAX. MBR		2 x 6 MIN. MBR. / 2 x 8 MAX. MBR.		2 x 8 MIN. MBR. / 2 x 10 MAX. MBR.		2 x 10 MIN. MBR. / 2 x 12 MAX. MBR.	
LUMBER SPECIES	MIN. NAILING	MAX. NAILING	MIN. NAILING	MAX. NAILING	MIN. NAILING	MAX. NAILING	MIN. NAILING	MAX. NAILING
SP	636	636	636	954	636	954	636	1272
DOUG-FIR	582	582	582	873	582	873	582	1164
SPF	492	492	492	738	492	738	492	984





- CASE 1 LEDGER AND CHORD SAME SIZE
- CASE 2 LEDGER LARGER THAN CHORD
- CASE 3 LEDGER SMALLER THAN CHORD

NOTE: LEDGER MUST EXTEND 1/2 OF THE TIE IN TRUSS SPACING BEYOND THE LAST TRUSS IN A RUN OF TRUSSES OR 12" LEFT AND RIGHT OF ANY SINGLE TIE IN LOAD.

NOTE: THE SMALLER MEMBER SHALL NOT BE MORE THAN 1 NOMINAL SIZE SMALLER THAN THE LARGER MEMBER.

MAX. TIE IN SPAN(S) REACTION: = (MAX. LOAD (plf) FROM CHART) X (TIE IN SPAN SPACING (ft.))

MAX. TIE IN SPAN ON CENTER SPACING = 34"

APPLY LEDGER, ONE FACE ONLY, AS SHOWN. SECURE LEDGER USING 10d (0.131" X 3") NAILS PER THE FOLLOWING MAX. NAIL SCHEDULE:

2 x 4's - 2 ROWS @ 4.0" O.C.	2 x 8's - 3 ROWS @ 4.0" O.C.
2 x 6's - 3 ROWS @ 4.0" O.C.	2 x 10's - 4 ROWS @ 4.0" O.C.

THE SPECIFIED NUMBER OF ROWS CORRESPOND TO THE MIN. SIZE OF ANY MEMBER THAT IS A PART OF THE CONNECTION.

THE MIN. NAILING PATTERN FOR ANY CONNECTION IS:

2 ROWS @ 4" O.C.

WHEN THERE IS A DIFFERENT LUMBER SPECIES USED FOR THE LEDGER THAN WHAT WAS USED FOR THE GIRDER TRUSS BOTTOM CHORD, USE THE LOWER VALUE OF THE TWO LUMBER SPECIES.



(2) NAILS	(3) NAILS			
SP = 176.2 lb's.	SP = 264.3			

## 

TOE NAILS TO BE DRIVEN THROUGH THE BOTTOM CHORD OF THE TIE IN MEMBER INTO THE LEDGER.

NAILS ARE CONSIDERED 10d (0.131" X 3")

