

**CONTENTS****FORD DPR TABLES – LOWER STOREY**

<b>DPR TABLE NUMBER</b>	<b>DESCRIPTION (DPR 82 – 98)</b>
DPR 82	WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY SHEET ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES
DPR 82A	WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY SHEET ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES
DPR 83	WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY SHEET ROOF - RAFTERS OR TRUSSES @ 1200mm CENTRES
DPR 84	WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY TILE ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES
DPR 85	WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY TILE ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES
DPR 86	WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY SHEET ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES
DPR 86A	WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY SHEET ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES
DPR 87	WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY SHEET ROOF - RAFTERS OR TRUSSES @ 1200mm CENTRES
DPR 88	WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY TILE ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES
DPR 89	WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY TILE ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES
DPR 90	WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY SHEET ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES
DPR 90A	WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY SHEET ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES
DPR 91	WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY SHEET ROOF - RAFTERS OR TRUSSES @ 1200mm CENTRES
DPR 92	WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY TILE ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES
DPR 93	WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY TILE ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES
DPR 94	TOP PLATES (NOT TRENCHED FOR STUDS) LOWER STOREY OF TWO STOREY - SHEET ROOF
DPR 95	TOP PLATES (NOT TRENCHED FOR STUDS) LOWER STOREY OF TWO STOREY - TILE ROOF
DPR 96	LINTELS - LOWER STOREY OF TWO STOREY - SHEET ROOF
DPR 97	LINTELS - LOWER STOREY OF TWO STOREY - TILE ROOF
DPR LINTEL NOTES	NOTES TO ALL DPR LINTEL TABLES

*The Ford DPR Span Tables are based on the TRADAC Timber Framing Manuals for unseasoned timber.  
For Tie Down and Bracing and other details of timber framed construction, refer to the TRADAC  
Timber Framing Manuals.*

**DPR  
82**

**WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY  
SHEET ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C		
				F14	F17	F14	F17	F14	F17	F14	F17	
75	450	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38
			4400	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38
			5100	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38
			6600	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38
			8600	75X50	75X38	75X50	75X38	75X50	75X38	75X50	75X38	75X50
75	600	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50
			4400	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50
			5100	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50
			6600	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50
			8600	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50
100	450	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			8600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
	100	600	NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
				4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
				5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
				6600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
				8600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
	100	450	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				8600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
100	600	NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			6600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			8600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	

**DPR  
82A**

**WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY  
SHEET ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W60C		
				F14	F17	
75	450	NOT NOTCHED	2400	75X38	75X38	
			4400	75X38	75X38	
			5100	75X38	75X38	
			6600	75X38	75X38	
			8600	75X50	75X38	
75	600	NOT NOTCHED	2400	75X50	75X50	
			4400	75X50	75X50	
			5100	75X50	75X50	
			6600	75X50	75X50	
			8600	75X50	75X50	
100	450	NOT NOTCHED	2400	100X38	100X38	
			4400	100X38	100X38	
			5100	100X38	100X38	
			6600	100X38	100X38	
			8600	100X38	100X38	
	100	600	NOT NOTCHED	2400	100X38	100X38
				4400	100X38	100X38
				5100	100X38	100X38
				6600	100X38	100X38
				8600	100X38	100X38

See notes at DPR 83

**WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY  
SHEET ROOF - RAFTERS OR TRUSSES @ 1200mm CENTRES**

**DPR  
83**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C NOT APPLICABLE	
				F14	F17	F14	F17	F14	F17		
75	450	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X38	75X38		
			4400	75X38	75X38	75X38	75X38	75X38	75X38		
			5100	75X38	75X38	75X38	75X38	75X38	75X38		
			6600	75X38	75X38	75X38	75X38	75X38	75X38		
	8600	75X50	75X50	75X50	75X50	75X50	75X38				
	75	600	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X38	75X38	
				4400	75X38	75X38	75X38	75X38	75X38	75X38	
				5100	75X38	75X38	75X38	75X38	75X38	75X38	
6600				75X38	75X38	75X38	75X38	75X38	75X38		
8600	75X50	75X50	75X50	75X50	75X50	75X50					
100	450	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.		
			4400	100X38	100X38	100X38	100X38	N.A.	N.A.		
			5100	100X38	100X38	100X38	100X38	N.A.	N.A.		
			6600	100X38	100X38	100X38	100X38	N.A.	N.A.		
		8600	100X50	100X38	100X50	100X38	N.A.	N.A.			
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38		
			4400	100X38	100X38	100X38	100X38	100X38	100X38		
			5100	100X38	100X38	100X38	100X38	100X38	100X38		
	6600		100X38	100X38	100X38	100X38	100X38	100X38			
	8600	100X38	100X38	100X38	100X38	100X38	100X38				
	100	600	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	
				4400	100X38	100X38	100X38	100X38	N.A.	N.A.	
				5100	100X38	100X38	100X38	100X38	N.A.	N.A.	
				6600	100X38	100X38	100X38	100X38	N.A.	N.A.	
			8600	100X50	100X38	100X50	100X38	N.A.	N.A.		
			NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X50	100X50	
4400				100X38	100X38	100X38	100X38	100X50	100X50		
5100				100X38	100X38	100X38	100X38	100X50	100X50		
6600	100X38	100X38		100X38	100X38	100X50	100X50				
8600	100X38	100X38	100X38	100X38	100X50	100X50					

Notes to DPR 82 - DPR 93:

**Applicable to W33N-W41N, W41C, W50C and W60C:**

1. Notched stud sizes allow for a sawcut or notch not more than 20 mm deep.
2. Studs for internal non-loadbearing bracing walls and partitions (not carrying roof loads) shall be of a stress grade not less than F4 and size not less than 75x38 mm:
3. Edge distances for some sheet bracing materials may require a stud width of 50 mm for joining sheets.
4. Larger stud sizes may be made up by vertical nail lamination.
5. See also the notes to DPR 24 to DPR 37.

**For SHEET ROOFS ONLY:**

For floor joist spans up to 4800 mm:

- a) for external and internal walls supporting roof loads, stud sizes shall be determined as for actual roof span,
- b) for internal walls not supporting roof loads, stud sizes shall be determined as for a sheet roof span of 2400 mm.

For floor joist spans in excess of 4800 but not exceeding 6000 mm:

- a) for external and internal walls supporting roof loads, stud sizes shall be determined as for roof span **two** metres greater than the actual roof span,
- b) for internal walls not supporting roof loads, stud sizes shall be determined as for a sheet roof span of 4400 mm.

**For TILE ROOFS ONLY:**

For floor joist spans up to 4800 mm:

- a) for external and internal walls supporting roof loads, stud sizes shall be determined as for actual roof span,
- b) for internal walls not supporting roof loads, stud sizes shall be determined as for a sheet roof span of 2400 mm.

For floor joist spans in excess of 4800 but not exceeding 6000 mm:

- a) for external and internal walls supporting roof loads, stud sizes shall be determined as for roof span **one** metre greater than the actual roof span,
- b) for internal walls not supporting roof loads, stud sizes shall be determined as for a sheet roof span of 4400 mm.

**WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY  
TILE ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C				
				F14	F17	F14	F17	F14	F17	F14	F17			
75	450	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38		
			4400	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38		
			5100	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38		
			6600	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38		
			8600	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50		
	75	600	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50	75X50	
				4400	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50	
				5100	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50	
				6600	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50	
				8600	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50	
100	450	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.		
			4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.		
			5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.		
			6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.		
			8600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.		
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			6600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			8600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
	100	600	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.	
				4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.	
				5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.	
				6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.	
				8600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	N.A.	
			NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
				4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
				5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38

See notes at DPR 83

**WALL STUDS - 2400 mm HIGH - LOWER STOREY OF TWO STOREY  
TILE ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES**

<b>DPR 85</b>
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FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C			
				F14	F17	F14	F17	F14	F17	F14	F17		
75	450	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	
			4400	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	
			5100	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	75X38	
			6600	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50	
	75	600	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50	75X50
				4400	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50	75X50
				5100	75X38	75X38	75X38	75X38	75X38	75X38	75X50	75X50	75X50
				6600	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50	75X50
100	450	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.		
			4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.		
			5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.		
			6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.		
			8600	100X50	100X50	100X50	100X50	N.A.	N.A.	N.A.	N.A.		
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
	100	600	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
				4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
				5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
				6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
			6600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
8600	100X50	100X38	100X38	100X50	100X38	100X50	100X38	100X50	100X38	100X50	100X38		

See notes at DPR 83

**DPR  
86**

**WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY  
SHEET ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C				
				F14	F17	F14	F17	F14	F17	F14	F17			
75	450	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X50	75X50	75X75	75X75			
			4400	75X38	75X38	75X38	75X38	75X50	75X50	75X75	75X75			
			5100	75X38	75X38	75X38	75X38	75X50	75X50	75X75	75X75			
			6600	75X38	75X38	75X38	75X38	75X50	75X50	75X75	75X75			
	75	600	NOT NOTCHED	2400	75X50	75X38	75X50	75X38	75X75	75X75	75X100	75X75		
				4400	75X50	75X38	75X50	75X38	75X75	75X75	75X100	75X75		
				5100	75X50	75X38	75X50	75X38	75X75	75X75	75X100	75X75		
				6600	75X50	75X38	75X50	75X38	75X75	75X75	75X100	75X75		
100	450	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.			
			4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.			
			5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.			
			6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.			
		100	600	NOTCHED	2400	100X50	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.	
					4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
					5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
					6600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
	100	600	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.		
				4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.		
				5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.		
				6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.		
			100	600	NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
						4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
						5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
						6600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
100	600	NOT NOTCHED	8600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38			

**DPR  
86A**

**WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY  
SHEET ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W60C		
				F14	F17	
75	450	NOT NOTCHED	2400	75X75	75X75	
			4400	75X75	75X75	
			5100	75X75	75X75	
			6600	75X75	75X75	
			8600	75X75	75X75	
75	600	NOT NOTCHED	2400	75X100	75X75	
			4400	75X100	75X75	
			5100	75X100	75X75	
			6600	75X100	75X75	
			8600	75X100	75X75	
100	450	NOT NOTCHED	2400	100X38	100X38	
			4400	100X38	100X38	
			5100	100X38	100X38	
			6600	100X38	100X38	
			8600	100X38	100X38	
	100	600	NOT NOTCHED	2400	100X38	100X38
				4400	100X38	100X38
				5100	100X38	100X38
				6600	100X38	100X38
				8600	100X38	100X38

See notes at DPR 83

**WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY  
SHEET ROOF - RAFTERS OR TRUSSES @ 1200mm CENTRES**

<b>DPR 87</b>
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FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C NOT APPLICABLE	
				F14	F17	F14	F17	F14	F17		
75	450	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X50	75X50		
			4400	75X38	75X38	75X38	75X38	75X50	75X50		
			5100	75X38	75X38	75X38	75X38	75X50	75X50		
			6600	75X38	75X38	75X38	75X38	75X50	75X50		
	75	600	NOT NOTCHED	8600	75X75	75X50	75X75	75X50	75X75	75X50	
				2400	75X50	75X38	75X50	75X38	75X75	75X75	
				4400	75X50	75X38	75X50	75X38	75X75	75X75	
				5100	75X50	75X38	75X50	75X38	75X75	75X75	
100	450	NOTCHED	4400	100X38	100X38	100X38	100X38	N.A.	N.A.		
			5100	100X38	100X38	100X38	100X38	N.A.	N.A.		
			6600	100X38	100X38	100X38	100X38	N.A.	N.A.		
			8600	100X50	100X38	100X50	100X38	N.A.	N.A.		
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38		
			4400	100X38	100X38	100X38	100X38	100X38	100X38		
			5100	100X38	100X38	100X38	100X38	100X38	100X38		
			6600	100X38	100X38	100X38	100X38	100X38	100X38		
	100	600	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	
				4400	100X38	100X38	100X38	100X38	N.A.	N.A.	
				5100	100X38	100X38	100X38	100X38	N.A.	N.A.	
				6600	100X38	100X38	100X38	100X38	N.A.	N.A.	
			NOT NOTCHED	8600	100X50	100X50	100X50	100X50	N.A.	N.A.	
				2400	100X38	100X38	100X38	100X38	100X38	100X38	
				4400	100X38	100X38	100X38	100X38	100X38	100X38	
				5100	100X38	100X38	100X38	100X38	100X38	100X38	
			6600	100X38	100X38	100X38	100X38	100X38	100X38		
			8600	100X38	100X38	100X38	100X38	100X38	100X38		

See notes at DPR 83

**WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY  
TILE ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C		
				F14	F17	F14	F17	F14	F17	F14	F17	
75	450	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X50	75X50	75X75	75X75	
			4400	75X38	75X38	75X38	75X38	75X50	75X50	75X75	75X75	
			5100	75X38	75X38	75X38	75X38	75X50	75X50	75X75	75X75	
			6600	75X50	75X50	75X50	75X50	75X50	75X50	75X75	75X75	
	75	600	NOT NOTCHED	2400	75X50	75X38	75X50	75X38	75X75	75X75	75X100	75X75
				4400	75X50	75X38	75X50	75X38	75X75	75X75	75X100	75X75
				5100	75X50	75X38	75X50	75X38	75X75	75X75	75X100	75X75
				6600	75X50	75X50	75X50	75X50	75X75	75X75	75X100	75X75
			8600	N.A.	75X75	N.A.	75X75	N.A.	75X75	N.A.		
100	450	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			8600	100X50	100X50	100X50	100X50	N.A.	N.A.	N.A.	N.A.	
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
	100	600	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
			6600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
			8600	100X38	100X38	100X38	100X38	100X38	100X38	100X38		

See notes at DPR 83

**WALL STUDS - 2700 mm HIGH - LOWER STOREY OF TWO STOREY  
TILE ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES**

<b>DPR 89</b>
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FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C		
				F14	F17	F14	F17	F14	F17	F14	F17	
75	450	NOT NOTCHED	2400	75X38	75X38	75X38	75X38	75X50	75X50	75X75	75X75	
			4400	75X50	75X50	75X50	75X50	75X50	75X50	75X75	75X75	
			5100	75X50	75X50	75X50	75X50	75X50	75X50	75X75	75X75	
			6600	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75	
	8600	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
	75	600	NOT NOTCHED	2400	75X50	75X38	75X50	75X38	75X75	75X75	75X100	75X75
				4400	75X50	75X50	75X50	75X50	75X75	75X75	75X100	75X75
				5100	75X75	75X50	75X75	75X50	75X75	75X75	75X100	75X75
6600				75X75	75X75	75X75	75X75	75X75	75X75	75X100	75X75	
8600	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
100	450	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
			6600	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.	
		8600	100X50	100X50	100X50	100X50	N.A.	N.A.	N.A.	N.A.		
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
	6600		100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
	8600	100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50		
	100	600	NOTCHED	2400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				4400	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				5100	100X38	100X38	100X38	100X38	N.A.	N.A.	N.A.	N.A.
				6600	100X50	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.
		8600	100X75	100X50	100X75	100X50	N.A.	N.A.	N.A.	N.A.		
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
4400			100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
5100			100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
6600	100X38		100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38		
8600	100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50			

See notes at DPR 83

**DPR  
90**

**WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY  
SHEET ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C			
				F14	F17	F14	F17	F14	F17	F14	F17		
75	450	NOT NOTCHED	2400	75X50	75X50	75X50	75X50	75X75	75X75	N.A.	N.A.		
			4400	75X50	75X50	75X50	75X50	75X75	75X75	N.A.	N.A.		
			5100	75X50	75X50	75X50	75X50	75X75	75X75	N.A.	N.A.		
			6600	75X75	75X50	75X75	75X50	75X75	75X75	N.A.	N.A.		
	8600	75X75	75X75	75X75	75X75	75X75	75X75	N.A.	N.A.				
	75	600	NOT NOTCHED	2400	75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.	
				4400	75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.	
				5100	75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.	
6600				75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.		
8600	N.A.	75X75	N.A.	75X75	N.A.	75X75	N.A.	N.A.					
100	450	NOTCHED	2400	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			4400	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			5100	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			6600	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
		8600	100X50	100X50	100X50	100X50	N.A.	N.A.	N.A.	N.A.			
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38
	6600		100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38	
	8600	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38		
	100	600	NOTCHED	2400	100X38	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
				4400	100X38	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
				5100	100X38	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
				6600	100X38	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
			8600	100X50	100X50	100X75	100X50	N.A.	N.A.	N.A.	N.A.		
			NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75
4400				100X38	100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50
5100				100X38	100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50
6600	100X38	100X38		100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50		
8600	100X50	100X38	100X50	100X38	100X50	100X38	100X50	100X38	100X75	100X50			

**DPR  
90A**

**WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY  
SHEET ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W60C	
				F14	F17
100	450	NOT NOTCHED	2400	100X50	100X38
			4400	100X50	100X38
			5100	100X50	100X38
			6600	100X50	100X38
	8600	100X50	100X38		
	600	NOT NOTCHED	2400	100X75	100X50
			4400	100X75	100X50
			5100	100X75	100X50
6600			100X75	100X50	
8600	100X75	100X50			

See notes at DPR 83

**WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY  
SHEET ROOF - RAFTERS OR TRUSSES @ 1200mm CENTRES**

<b>DPR 91</b>
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FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C NOT APPLICABLE	
				F14	F17	F14	F17	F14	F17		
75	450	NOT NOTCHED	2400	75X50	75X50	75X50	75X50	75X75	75X75		
			4400	75X50	75X50	75X50	75X50	75X75	75X75		
			5100	75X75	75X50	75X75	75X50	75X75	75X75		
			6600	75X75	75X75	75X75	75X75	75X75	75X75		
	8600	N.A.	75X75	N.A.	75X75	N.A.	75X75				
	75	600	NOT NOTCHED	2400	75X75	75X75	75X75	75X75	75X100	75X75	
				4400	75X75	75X75	75X75	75X75	75X100	75X75	
				5100	75X75	75X75	75X75	75X75	75X100	75X75	
6600				75X75	75X75	75X75	75X75	75X100	75X75		
8600	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.					
100	450	NOTCHED	2400	100X38	100X38	100X50	100X38	N.A.	N.A.		
			4400	100X38	100X38	100X50	100X38	N.A.	N.A.		
			5100	100X38	100X38	100X50	100X38	N.A.	N.A.		
			6600	100X38	100X38	100X50	100X38	N.A.	N.A.		
			8600	100X50	100X50	100X50	100X50	N.A.	N.A.		
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38		
			4400	100X38	100X38	100X38	100X38	100X38	100X38		
			5100	100X38	100X38	100X38	100X38	100X38	100X38		
	100	600	NOTCHED	2400	100X38	100X38	100X75	100X50	N.A.	N.A.	
				4400	100X38	100X38	100X75	100X50	N.A.	N.A.	
				5100	100X38	100X38	100X75	100X50	N.A.	N.A.	
				6600	100X38	100X38	100X75	100X50	N.A.	N.A.	
		8600	100X75	100X50	100X75	100X50	N.A.	N.A.			
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X50	100X38		
			4400	100X38	100X38	100X38	100X38	100X50	100X38		
			5100	100X38	100X38	100X38	100X38	100X50	100X38		
6600	100X38		100X38	100X38	100X38	100X50	100X38				
8600	100X50	100X38	100X50	100X38	100X50	100X38					

See notes at DPR 83

**WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY  
TILE ROOF - RAFTERS OR TRUSSES @ 600mm CENTRES**

FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C			
				F14	F17	F14	F17	F14	F17	F14	F17		
75	450	NOT NOTCHED	2400	75X50	75X50	75X50	75X50	75X75	75X75	N.A.	N.A.		
			4400	75X50	75X50	75X50	75X50	75X75	75X75	N.A.	N.A.		
			5100	75X75	75X50	75X75	75X50	75X75	75X75	N.A.	N.A.		
			6600	75X75	75X75	75X75	75X75	75X75	75X75	N.A.	N.A.		
	8600	N.A.	75X75	N.A.	75X75	N.A.	75X75	N.A.	N.A.				
	75	600	NOT NOTCHED	2400	75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.	
				4400	75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.	
				5100	75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.	
6600				75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.		
8600	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.					
100	450	NOTCHED	2400	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			4400	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			5100	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			6600	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			8600	100X75	100X50	100X75	100X50	N.A.	N.A.	N.A.	N.A.		
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38
	100	600	NOTCHED	2400	100X38	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
				4400	100X38	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
				5100	100X38	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
				6600	100X50	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
		8600	100X75	100X50	100X75	100X50	N.A.	N.A.	N.A.	N.A.			
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50
			4400	100X38	100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50
			5100	100X38	100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50
6600	100X38		100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50		
8600	100X50	100X38	100X50	100X38	100X50	100X38	100X50	100X38	100X75	100X50			

See notes at DPR 83

**WALL STUDS - 3000 mm HIGH - LOWER STOREY OF TWO STOREY  
TILE ROOF - RAFTERS OR TRUSSES @ 900mm CENTRES**

<b>DPR 93</b>
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FRAME SIZE	STUD SPACING in mm	NOTCHED FOR BRACING	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C			
				F14	F17	F14	F17	F14	F17	F14	F17		
75	450	NOT NOTCHED	2400	75X50	75X50	75X50	75X50	75X75	75X75	N.A.	N.A.		
			4400	75X75	75X75	75X75	75X75	75X75	75X75	N.A.	N.A.		
			5100	75X75	75X75	75X75	75X75	75X75	75X75	N.A.	N.A.		
			6600	N.A.	75X75	N.A.	75X75	N.A.	75X75	N.A.	N.A.		
	8600	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
	75	600	NOT NOTCHED	2400	75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.	
				4400	75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.	
				5100	75X75	75X75	75X75	75X75	75X100	75X75	N.A.	N.A.	
6600				N.A.	75X75	N.A.	75X75	N.A.	75X75	N.A.	N.A.		
8600	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.				
100	450	NOTCHED	2400	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			4400	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			5100	100X38	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
			6600	100X50	100X38	100X50	100X38	N.A.	N.A.	N.A.	N.A.		
		8600	100X75	100X50	100X75	100X50	N.A.	N.A.	N.A.	N.A.			
		NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38
			4400	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38
			5100	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38
	6600		100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X50	100X38	
	8600	100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50		
	100	600	NOTCHED	2400	100X38	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
				4400	100X50	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
				5100	100X50	100X38	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
				6600	100X50	100X50	100X75	100X50	N.A.	N.A.	N.A.	N.A.	
			8600	100X75	100X75	100X75	100X75	N.A.	N.A.	N.A.	N.A.		
			NOT NOTCHED	2400	100X38	100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75
4400				100X38	100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50
5100				100X38	100X38	100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50
6600	100X38	100X38		100X38	100X38	100X50	100X38	100X50	100X38	100X75	100X50		
8600	100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X75	100X50			

See notes at DPR 83

FLOOR JOISTS in mm	FRAME in mm	STUD SPACING in mm	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C		
				F14	F17	F14	F17	F14	F17	F14	F17	
450 mm centres	75	450	2400	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75	
			4400	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75	
			5100	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75	
			6600	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75	
		8600	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75		
		600	2400	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75
			4400	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75
			5100	50X75	38X75	50X75	38X75	50X75	38X75	50X75	38X75	50X75
	6600		50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	
	8600	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75	
	450 mm centres	100	450	2400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				4400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				5100	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				6600	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
			8600	50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100	
			600	2400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
4400				38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
5100				38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
6600		38X100		38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100	
8600		50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100		
600 mm centres		75	450	2400	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75
				4400	50X75	38X75	50X75	38X75	50X75	38X75	50X75	38X75
				5100	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75
				6600	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75
			8600	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75
			600	2400	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75
	4400			50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75
	5100			50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75
	6600	50X75		50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	
	8600	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75	
	600 mm centres	100	450	2400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				4400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				5100	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				6600	50X100	38X100	50X100	38X100	50X100	38X100	50X100	38X100
			8600	75X100	50X100	75X100	50X100	75X100	50X100	75X100	50X100	
			600	2400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
4400				38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
5100				38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
6600		50X100		50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100	
8600		75X100	75X100	75X100	75X100	75X100	75X100	75X100	75X100	75X100	75X100	

Notes to DPR 94:

**Applicable to W33N-W41N, W41C, W50C and W60C:**

1. Where floor joists are supported directly over studs or within 1.5 times the thickness of the top plate from the stud, the top plate may be 38 mm thick.

**For SHEET ROOFS ONLY:**

For floor joist spans up to 4800 mm:

- a) for external and internal walls supporting roof loads, top plate sizes shall be determined as for actual roof span,
- b) for internal walls not supporting roof loads, top plate sizes shall be determined as for a sheet roof span of 2400 mm.

For floor joist spans in excess of 4800 but not exceeding 6000 mm:

- a) for external and internal walls supporting roof loads, top plate sizes shall be determined as for roof span **two** metres greater than the actual roof span,
- b) for internal walls not supporting roof loads, top plate sizes shall be determined as for a sheet roof span of 4400 mm.

**TOP PLATES (NOT TRENCHED FOR STUDS)  
TILE ROOF - LOWER STOREY OF TWO STOREY**

<b>DPR 95</b>
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FLOOR JOISTS in mm	FRAME in mm	STUD SPACING in mm	ROOF SPAN in mm	W33N-W41N		W41C		W50C		W60C		
				F14	F17	F14	F17	F14	F17	F14	F17	
450 mm centres	75	450	2400	38X75	38X75	38X75	38X75	38X75	38X75	38X75	38X75	
			4400	50X75	38X75	50X75	38X75	50X75	38X75	50X75	38X75	
			5100	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	
			6600	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	
		8600	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75		
		600	2400	50X75	38X75	50X75	38X75	50X75	38X75	50X75	38X75	50X75
			4400	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	
			5100	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	
	6600		50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75		
	8600	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75			
	450 mm centres	100	450	2400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				4400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				5100	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				6600	50X100	38X100	50X100	38X100	50X100	38X100	50X100	38X100
			8600	75X100	50X100	75X100	50X100	75X100	50X100	75X100	50X100	
			600	2400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
4400				50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100	
5100				50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100	
6600		50X100		50X100	50X100	50X100	50X100	50X100	50X100	50X100		
8600		75X100	75X100	75X100	75X100	75X100	75X100	75X100	75X100			
600 mm centres		75	450	2400	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75
				4400	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75
	5100			50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	
	6600			75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75	
	8600		100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75		
	600		2400	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	
			4400	50X75	50X75	50X75	50X75	50X75	50X75	50X75	50X75	
			5100	75X75	50X75	75X75	50X75	75X75	50X75	75X75	50X75	
		6600	75X75	75X75	75X75	75X75	75X75	75X75	75X75	75X75		
	8600	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75			
	600 mm centres	100	450	2400	38X100	38X100	38X100	38X100	38X100	38X100	38X100	38X100
				4400	50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100
				5100	50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100
				6600	50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100
			8600	75X100	75X100	75X100	75X100	75X100	75X100	75X100	75X100	
			600	2400	50X100	38X100	50X100	38X100	50X100	38X100	50X100	38X100
4400				50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100	
5100				50X100	50X100	50X100	50X100	50X100	50X100	50X100	50X100	
6600		50X100		50X100	50X100	50X100	50X100	50X100	50X100	50X100		
8600		75X100	75X100	75X100	75X100	75X100	75X100	75X100	75X100			

Notes to DPR 95:

**Applicable to W33N-W41N, W41C, W50C and W60C:**

1. Where floor joists are supported directly over studs or within 1.5 times the thickness of the top plate from the stud, the top plate may be 38 mm thick.

**For TILE ROOFS ONLY:**

For floor joist spans up to 4800 mm:

- a) for external and internal walls supporting roof loads, top plate shall be determined as for actual roof span,
- b) for internal walls not supporting roof loads, top plate sizes shall be determined as for a sheet roof span of 2400 mm.

For floor joist spans in excess of 4800 but not exceeding 6000 mm:

- a) for external and internal walls supporting roof loads, top plate sizes shall be determined as for roof span **one** metre greater than the actual roof span,
- b) for internal walls not supporting roof loads, top plate sizes shall be determined as for a sheet roof span of 4400 mm.

ROOF SPAN in mm	WIDTH OF OPENING in mm	W33N-W41N		W41C		W50C		W60C		
		F14	F17	F14	F17	F14	F17	F14	F17	
2400	900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75	
		100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
	1200	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75	
		100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
	1500	125X75	125X75	125X75	125X75	125X75	125X75	125X75	125X75	
		125X50	125X50	125X50	125X50	125X50	125X50	125X50	125X50	
	1800	150X75	150X75	150X75	150X75	150X75	150X75	150X75	150X75	
		150X50	150X50	150X50	150X50	150X50	150X50	150X50	150X50	
	2100	175X75	175X75	175X75	175X75	175X75	175X75	175X75	175X75	
		175X50	175X50	175X50	175X50	175X50	175X50	175X50	175X50	
	2400	200X75	200X75	200X75	200X75	200X75	200X75	200X75	200X75	
		225X50	225X50	225X50	225X50	225X50	225X50	225X50	225X50	
	4400	900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75
			100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
1200		100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75	
		100X50	100X38	100X50	100X38	100X50	100X38	100X50	100X38	
1500		125X75	125X75	125X75	125X75	125X75	125X75	125X75	125X75	
		150X50	125X50	150X50	125X50	150X50	125X50	150X50	125X50	
1800		150X75	150X75	150X75	150X75	150X75	150X75	150X75	150X75	
		175X50	175X50	175X50	175X50	175X50	175X50	175X50	175X50	
2100		175X75	175X75	175X75	175X75	175X75	175X75	175X75	175X75	
		200X50	200X50	200X50	200X50	200X50	200X50	200X50	200X50	
2400		200X75	200X75	200X75	200X75	200X75	200X75	200X75	200X75	
		225X50	225X50	225X50	225X50	225X50	225X50	225X50	225X50	
5100		900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75
			100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
	1200	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75	
		100X50	100X38	100X50	100X38	100X50	100X38	100X50	100X38	
	1500	125X75	125X75	125X75	125X75	125X75	125X75	125X75	125X75	
		150X50	125X50	150X50	125X50	150X50	125X50	150X50	125X50	
	1800	150X75	150X75	150X75	150X75	150X75	150X75	150X75	150X75	
		175X50	175X50	175X50	175X50	175X50	175X50	175X50	175X50	
	2100	175X75	175X75	175X75	175X75	175X75	175X75	175X75	175X75	
		200X50!	200X50	200X50!	200X50	200X50!	200X50	200X50!	200X50	
	2400	200X75	200X75	200X75	200X75	200X75	200X75	200X75	200X75	
		250X50!	225X50	250X50!	225X50	250X50!	225X50	250X50!	225X50	
	6600	900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75
			100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
1200		125X75	100X75	125X75	100X75	125X75	100X75	125X75	100X75	
		125X50	100X50	125X50	100X50	125X50	100X50	125X50	100X50	
1500		150X75	125X75	150X75	125X75	150X75	125X75	150X75	125X75	
		150X50	150X50	150X50	150X50	150X50	150X50	150X50	150X50	
1800		175X75	150X75	175X75	150X75	175X75	150X75	175X75	150X75	
		175X50	175X50	175X50	175X50	175X50	175X50	175X50	175X50	
2100		200X75	175X75	200X75	175X75	200X75	175X75	200X75	175X75	
		225X50!	200X50	225X50!	200X50	225X50!	200X50	225X50!	200X50	
2400		225X75	200X75	225X75	200X75	225X75	200X75	225X75	200X75	
		275X50!!	225X50	275X50!!	225X50	275X50!!	225X50	275X50!!	225X50	
8600		900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75
			100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38
	1200	125X75	125X75	125X75	125X75	125X75	125X75	125X75	125X75	
		125X50	125X50	125X50	125X50	125X50	125X50	125X50	125X50	
	1500	150X75	150X75	150X75	150X75	150X75	150X75	150X75	150X75	
		150X50	150X50	150X50	150X50	150X50	150X50	150X50	150X50	
	1800	175X75	175X75	175X75	175X75	175X75	175X75	175X75	175X75	
		200X50!	200X50	200X50!	200X50	200X50!	200X50	200X50!	200X50	
	2100	200X75	200X75	200X75	200X75	200X75	200X75	200X75	200X75	
		250X50!	225X50	250X50!	225X50	250X50!	225X50	250X50!	225X50	
	2400	225X75	225X75	225X75	225X75	225X75	225X75	225X75	225X75	
		300X50!!	250X50	300X50!!	250X50	300X50!!	250X50	300X50!!	250X50	

See notes on page 98.

**LINTELS - LOWER STOREY OF TWO STOREY  
TILE ROOF**

<b>DPR 97</b>
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ROOF SPAN in mm	WIDTH OF OPENING in mm	W33N-W41N		W41C		W50C		W60C		
		F14	F17	F14	F17	F14	F17	F14	F17	
2400	900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75	
		100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
	1200	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75	
		100X38	100X38	100X38	100X38	100X38	100X38	100X38	100X38	
	1500	125X75	125X75	125X75	125X75	125X75	125X75	125X75	125X75	
		150X50	125X50	150X50	125X50	150X50	125X50	150X50	125X50	
	1800	150X75	150X75	150X75	150X75	150X75	150X75	150X75	150X75	
		175X50	175X50	175X50	175X50	175X50	175X50	175X50	175X50	
	2100	175X75	175X75	175X75	175X75	175X75	175X75	175X75	175X75	
		200X50	200X50	200X50	200X50	200X50	200X50	200X50	200X50	
	2400	200X75	200X75	200X75	200X75	200X75	200X75	200X75	200X75	
		250X50!	225X50	250X50!	225X50	250X50!	225X50	250X50!	225X50!	
	4400	900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75
			100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50
1200		100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75	
		125X50	125X50	125X50	125X50	125X50	125X50	125X50	125X50	
1500		150X75	150X75	150X75	150X75	150X75	150X75	150X75	150X75	
		175X50	150X50	175X50	150X50	175X50	150X50	175X50	150X50	
1800		175X75	175X75	175X75	175X75	175X75	175X75	175X75	175X75	
		200X50!	200X50	200X50!	200X50	200X50!	200X50	200X50!	200X50	
2100		200X75	200X75	200X75	200X75	200X75	200X75	200X75	200X75	
		250X50!	225X50	250X50!	225X50	250X50!	225X50	250X50!	225X50	
2400		250X75!	225X75	250X75!	225X75	250X75!	225X75	250X75!	225X75	
		300X50!!	300X50	300X50!!	300X50	300X50!!	300X50	300X50!!	300X50	
5100		900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75
			100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50
	1200	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75	
		125X50	125X50	125X50	125X50	125X50	125X50	125X50	125X50	
	1500	150X75	150X75	150X75	150X75	150X75	150X75	150X75	150X75	
		175X50	175X50	175X50	175X50	175X50	175X50	175X50	175X50	
	1800	175X75	175X75	175X75	175X75	175X75	175X75	175X75	175X75	
		200X50!	200X50	200X50!	200X50	200X50!	200X50	200X50!	200X50	
	2100	225X75	200X75	225X75	200X75	225X75	200X75	225X75	200X75	
		250X50!	250X50	250X50!	250X50	250X50!	250X50	250X50!	250X50	
	2400	250X75	250X75	250X75	250X75	250X75	250X75	250X75	250X75	
		300X50!!	300X50	300X50!!	300X50	300X50!!	300X50	300X50!!	300X50	
	6600	900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75
			100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50
1200		125X75	125X75	125X75	125X75	125X75	125X75	125X75	125X75	
		150X50	125X50	150X50	125X50	150X50	125X50	150X50	125X50	
1500		150X75	150X75	150X75	150X75	150X75	150X75	150X75	150X75	
		175X50!	175X50	175X50!	175X50	175X50!	175X50	175X50!	175X50	
1800		200X75	200X75	200X75	200X75	200X75	200X75	200X75	200X75	
		225X50!	225X50	225X50!	225X50	225X50!	225X50	225X50!	225X50	
2100		225X75	225X75	225X75	225X75	225X75	225X75	225X75	225X75	
		275X50!!	275X50	275X50!!	275X50	275X50!!	275X50	275X50!!	275X50	
2400		250X75!	250X75	250X75!	250X75	250X75!	250X75	250X75!	250X75	
		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
8600		900	100X75	100X75	100X75	100X75	100X75	100X75	100X75	100X75
			100X50	100X50	100X50	100X50	100X50	100X50	100X50	100X50
	1200	125X75	125X75	125X75	125X75	125X75	125X75	125X75	125X75	
		150X50	150X50	150X50	150X50	150X50	150X50	150X50	150X50	
	1500	175X75	175X75	175X75	175X75	175X75	175X75	175X75	175X75	
		200X50!	200X50	200X50!	200X50	200X50!	200X50	200X50!	200X50	
	1800	225X75!	200X75	225X75!	200X75	225X75!	200X75	225X75!	200X75	
		225X50!	225X50	225X50!	225X50	225X50!	225X50	225X50!	225X50	
	2100	250X75!	225X75	250X75!	225X75	250X75!	225X75	250X75!	225X75	
		275X50!!	275X50	275X50!!	275X50	275X50!!	275X50	275X50!!	275X50	
	2400	275X75!	275X75	275X75!	275X75	275X75!	275X75	275X75!	275X75	
		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	

See notes on page 98.

**DPR  
LINTEL  
NOTES**

**NOTES TO ALL LINTELS TABLES**

**Notes to DPR 56 to DPR 59:**

1. Sizes marked ! shall have a 50 mm min. bearing at each support, sizes marked !! to have a 75 mm min. bearing.
2. Lintels to internal wall openings supporting ceiling joists only shall be determined as for hanging beams.
3. Lintels in gable and skillion end walls (no roof loads) to be decided as for sheet roofs, roof span 2400, rafter spacing 900.
4. For lintels supporting concentrated loads over openings, obtain engineer advise.

**Notes to DPR 96 and DPR 97:**

1. Sizes marked ! shall have a 50 mm minimum bearing at each support, sizes marked !! to have a 75 mm minimum bearing.2.
- For lintels supporting concentrated loads over openings, obtain engineer advise.

For **SHEET ROOFS ONLY:**

For floor joist spans up to 4800 mm:

- a) for external and internal walls supporting roof loads, lintel sizes shall be determined as for actual roof span,
- b) for internal walls not supporting roof loads, lintel sizes shall be determined as for a sheet roof span of 2400 mm.

For floor joist spans in excess of 4800 but not exceeding 6000 mm:

- a) for external and internal walls supporting roof loads, lintel sizes shall be determined as for roof span **two** metres greater than the actual roof span,
- b) for internal walls not supporting roof loads, lintel sizes shall be determined as for a sheet roof span of 4400 mm.

For **TILE ROOFS ONLY:**

For floor joist spans up to 4800 mm:

- a) for external and internal walls supporting roof loads, lintel sizes shall be determined as for actual roof span,
- b) for internal walls not supporting roof loads, lintel sizes shall be determined as for a sheet roof span of 2400 mm.

For floor joist spans in excess of 4800 but not exceeding 6000 mm:

- a) for external and internal walls supporting roof loads, lintel sizes shall be determined as for roof span **one** metre greater than the actual roof span,
- b) for internal walls not supporting roof loads, lintel sizes shall be determined as for a sheet roof span of 4400 mm.