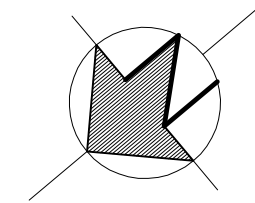
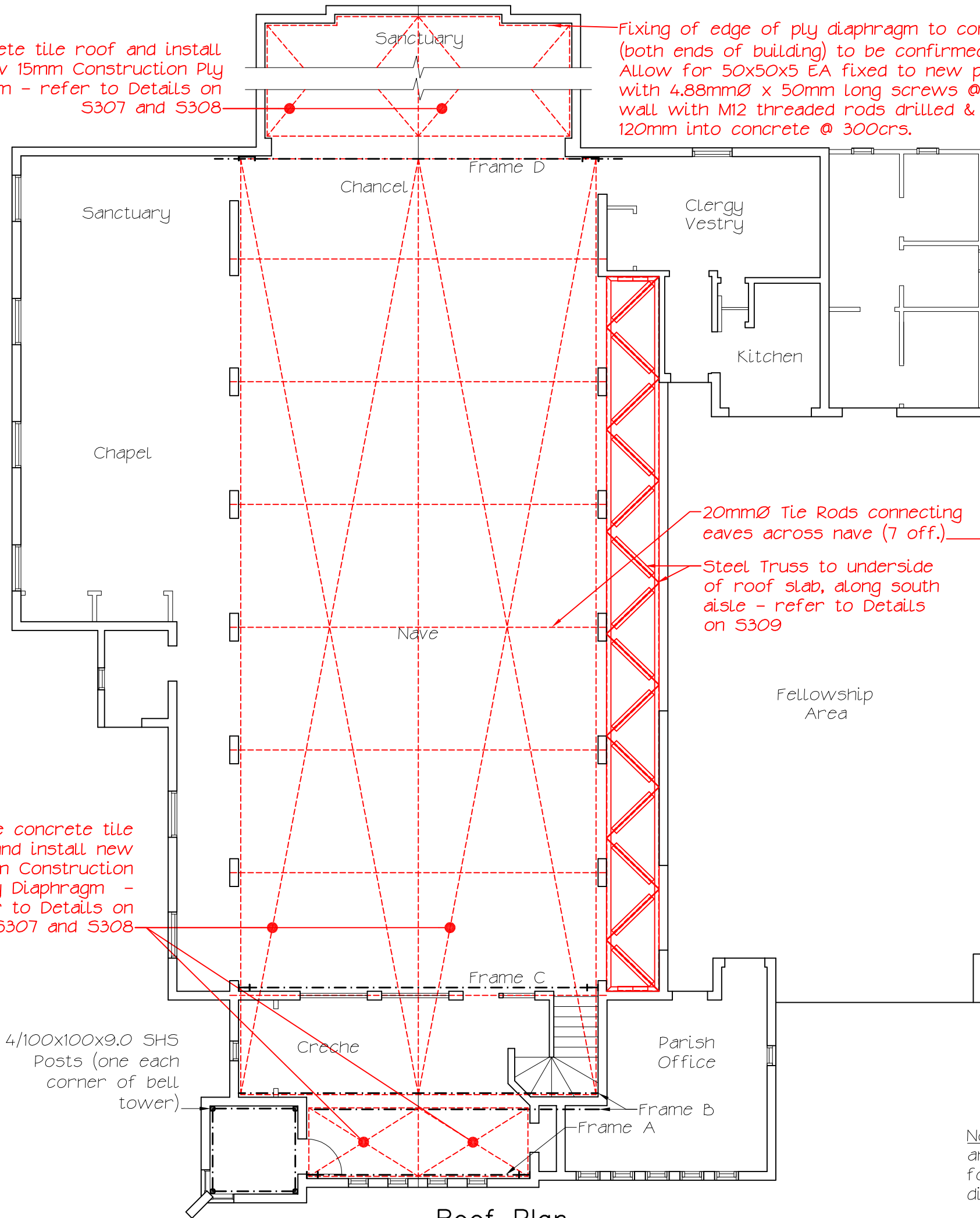
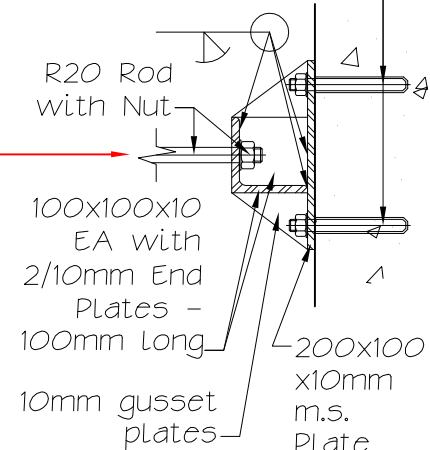


Remove concrete tile roof and install new 15mm Construction Ply Diaphragm - refer to Details on S307 and S308

Fixing of edge of ply diaphragm to concrete walls at gables (both ends of building) to be confirmed by Engineer on site. Allow for 50x50x5 EA fixed to new perimeter timber member with 4.88mmØ x 50mm long screws @ 75crs. and to concrete wall with M12 threaded rods drilled & Reo 502 SA epoxied 120mm into concrete @ 300crs.



2/M16 G8.8 threaded rods (per cleat) drilled & Reo 502 SA epoxied 120mm into existing concrete wall. 35mm edge distance to centre of bolts.



**Typical Tie Rod Anchor Detail**  
1:10  
(Turnbuckle at mid-point of each tie rod over centre of Nave to be approved by Engineer).

Remove concrete tile roof and install new 15mm Construction Ply Diaphragm - refer to Details on S307 and S308

4/100x100x9.0 SHS Posts (one each corner of bell tower)

**Roof Plan**  
1:100

Note: Refer to architectural drawings for set out, dimensions, etc.



**SAWREY**  
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CLIENT:  
**St Pauls Church, Waiwhetu**

REVISIONS:

REV No.	DATE	DESCRIPTION
O	29.05.15	Original
A	30.10.15	Revision A
B	22.11.16	FOR CONSENT

CHECK ALL DIMENSIONS ON SITE

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**Seismic Strengthening of St Pauls Church, Waiwhetu**

**Roof Plan**

DRAWN:	D.M.S.
CHECKED:	
APPROVED:	
DATE:	29:10:15
SCALE:	as shown (A3)
JOB NO:	8172/3

DWG. NO.	SHEET NO.
8172/3	S102B
	IN SET OF