
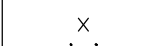
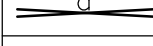


MEMBER SCHEDULE			
MARK	MEMBER	REMARKS	DETAIL (REFER S9, S10, S11)
PB1	REFER TIMBER FRAMING PLANS	PITCHING BEAM	-
PB2	REFER TIMBER FRAMING PLANS	PITCHING BEAM	TYP DETAIL
TB1	REFER TIMBER FRAMING PLANS	TIMBER BEARER/TRIMMING JOIST	16
FB1	310 UC 118	FLOOR BEARER	19, F, AC, AE, TYP DETAIL
FB2	310 UB 32	FLOOR BEARER	R, M, TYP DETAIL
FB3	310 UC 137	FLOOR BEARER	F, S, TYP DETAIL
FB4	380 PFC	FLOOR BEARER	F, TYP DETAIL
FB5	310 UB 32	FLOOR BEARER	M
FB6	310 UB 32	FLOOR BEARER	N, TYP DETAIL
FB7	530 UB 92	FLOOR BEARER	H, TYP DETAIL
FB8	530 UB 82	FLOOR BEARER	F, H, TYP DETAIL
FB9	530 UB 92	FLOOR BEARER	10, 11, H
FB10	310 UB 40	FLOOR BEARER	F, H, TYP DETAIL
FB11	310 UB 40	FLOOR BEARER	F, S
FB12	310 UB 32	FLOOR BEARER	H, TYP DETAIL
FB13	-	NOT USED	-
FB14	310 UB 32	FLOOR BEARER	H
FB15	200 PFC	FLOOR BEARER	H
FB16	310 UB 32	FLOOR BEARER	N
FB17	200 PFC	FLOOR BEARER	N
FB18	200 UB 18	FLOOR BEARER	AG
FB19	310 UB 32	FLOOR BEARER	J, N
FB20	250 PFC	FLOOR BEARER (SWAY FRAME)	P, TYP DETAIL
FB21	250 PFC	FLOOR BEARER	P, TYP DETAIL
FB22	360 UB 50	FLOOR BEARER	M, TYP DETAIL
FB23	310 UB 32	FLOOR BEARER	M, TYP DETAIL
FB24	380 PFC	FLOOR BEARER	M, TYP DETAIL
FB25	310 UB 32	FLOOR BEARER	8
FB26	400x63 LVL13	-	
MFB1	3/300x45 LVL13	MEZZANINE FLOOR BEARER (BOLT LAMINATED)	16
MFB2	310 UB 32	MEZZANINE FLOOR BEARER	R, TYP DETAIL
MFB3	300x63 LVL13	MEZZANINE FLOOR BEARER	1, 2
MFB4	230 PFC	MEZZANINE FLOOR BEARER	4
MFB5	300x63 LVL13	MEZZANINE FLOOR BEARER	1, 2, 4
MFB6	300x63 LVL13	MEZZANINE FLOOR BEARER	16, 17, AF
MFB7	300x63 LVL13	MEZZANINE FLOOR BEARER	17
WA1	100x10 EA	WALL ANGLE/STAIR STRINGER	AC, AE, TYP DETAIL
WA2	100x10 EA (CRANKED AT ONE END)	WALL ANGLE/STAIR STRINGER	J, TYP DETAIL
BB1	300 PFC	BALCONY BEAM	3, 12, F, H, K, L, S
BB2	380 PFC	BALCONY BEAM	3, 7
BB3	300 PFC	BALCONY BEAM	7, K, L
BB4	300 PFC	BALCONY BEAM	
L1	REFER TIMBER FRAMING PLANS	TIMBER LINTEL	16
WB1	REFER TIMBER FRAMING PLANS	TIMBER WIND BEAM	-
OR1	300 PFC	OUTRIGGER	3, 7
OR2	300 PFC	OUTRIGGER	L, SIMILAR 3
WP1	400x45 LVL13	WALL PLATE	11, K, TYP DETAIL
WP2	300x45 LVL13	WALL PLATE	8, TYP DETAIL
WP3	240x45 LVL13	WALL PLATE	TYP DETAIL
WP4	190x45 MGP10 (MIN)	WALL PLATE	TYP DETAIL
ST1	89x35 SHS	STRUT	12, 13
ST2	89x35 SHS	STRUT	V
ST3	150x63 LVL 13	TIMBER ROOF STRUT	TYP DETAIL
TS	REFER TIMBER FRAMING PLANS	TIMBER STUDS	-
2S	2/90x45 MGP10	TIMBER STUDS	
3S	3/90x45 MGP10 (NAIL LAMINATED)	TIMBER STUDS	-
SC1	89x35 SHS	STUB COLUMN	M
C1	150x80 SHS	COLUMN	9, 10, F, S, M
C2	125x60 SHS	SWAY FRAME COLUMN	P
C3	89x35 SHS	COLUMN	R
C4	2/89x60 SHS	COLUMN	13, F, S, SIMILAR 14
C5	89x60 SHS	COLUMN	14, 15
C6	89x35 SHS	COLUMN	16, AF, TYP DETAIL
LBW	LOAD BEARING WALL		
	FLOOR TRUSS/BALCONY JOIST DIRECTION		

BRACING SCHEDULE	
	<p>"x" m LONG TYPE "D" BRACING RATED AT 3.0kN/m. FIXED IN ACCORDANCE WITH DETAILS IN A51684.2. INCLUDING TABLE 8.18(D).</p>
	<p>"x" m LONG HARDBOARD/PLYWOOD/HARDBRACE BRACING PANEL (OR SIMILAR) RATED AT MINIMUM 6.0kN/m FIXED IN ACCORDANCE WITH MANUFACTURERS DETAILS AND DETAILS IN A51684.2 INCLUDING TABLE 8.18(M).</p> <p>FIX TOP OF ALL INTERNAL BRACING WALLS IN ACCORDANCE WITH TABLE IN TIMBER FRAMING NOTES ATTACHED.</p> <p>FIX BOTTOM OF BRACING WALLS WITH 2/M10 BOLTS TO TIMBER FLOOR FRAMING AT 1200 MAX CRS AND EACH END OF BRACING WALL.</p>

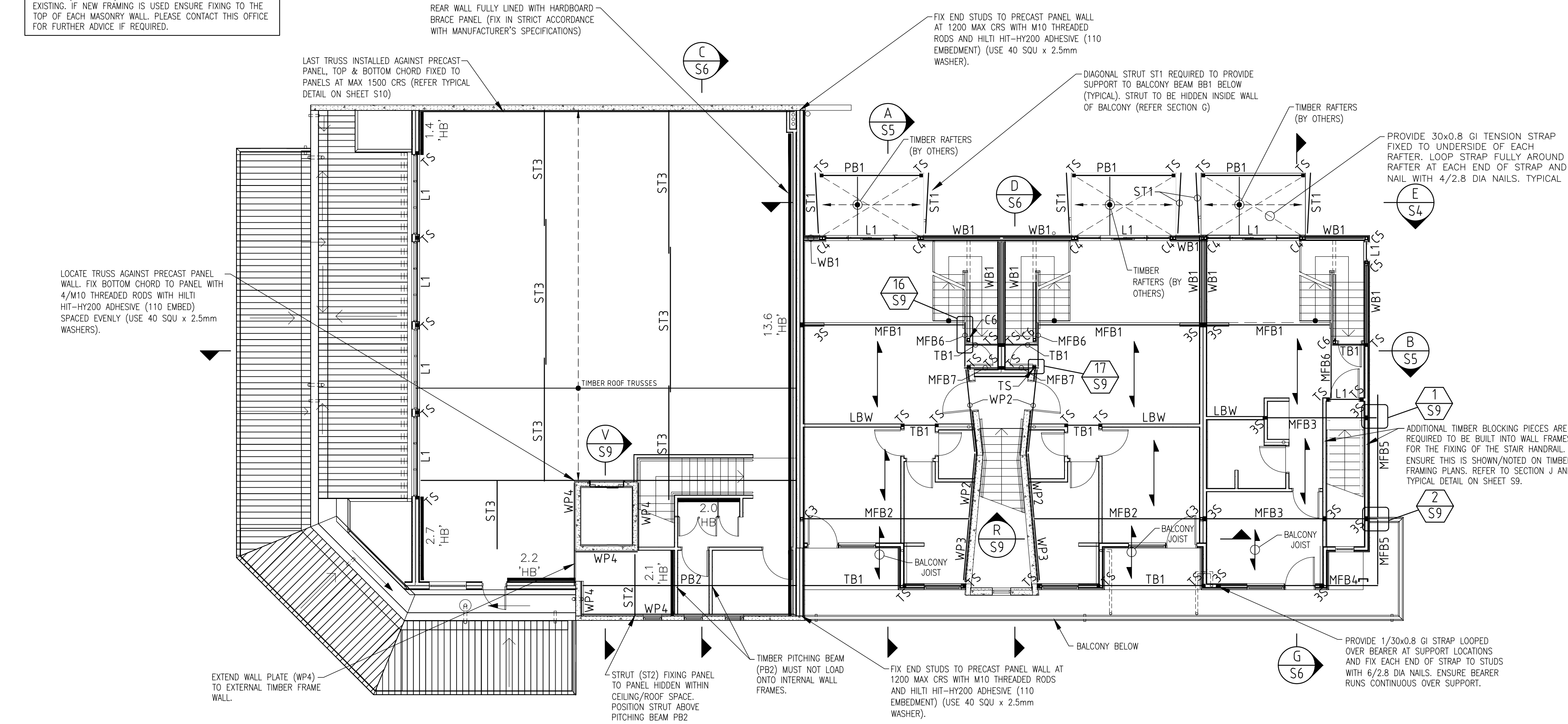
**BRACING DESIGN:**

FOR THE PURPOSE OF BRACING DESIGN AGAINST BOTH WIND LOADING AND EARTHQUAKE LOADS THIS OFFICE CONSIDERS THE BUILDING IN TWO SEPARATE PARTS. THE COMMERCIAL/RETAIL TENANCIES (WESTERN END OF THE BUILDING) AND THE APARTMENTS, BRACING OF THE COMMERCIAL/RETAIL SECTION FOR BOTH LEVELS HAS COMPLETELY BEEN DESIGNED AND DOCUMENTED BY THIS OFFICE. THE COMBINATION OF PRECAST PANELS WITH EXISTING MASONRY WALLS, HARBORDROP/PLYWOOD (OR SIMILAR) BRACING PANELS AND STEEL SWAY FRAMES AS SHOWN ON THE PLAN ARE SUITABLE TO RESIST BOTH EARTHQUAKE AND WIND LOADING.

FOR THE APARTMENTS THIS OFFICE HAS ONLY DESIGNED THE GROUND FLOOR (CAR PARK LEVEL) BRACING; A COMBINATION OF CANTILEVER COLUMNS AND PRECAST PANEL SHEAR WALLS AS SHOWN ON THE PLANS ARE SUITABLE TO RESIST BOTH EARTHQUAKE AND WIND LOADING. THE BRACING OF THE TIMBER FRAMED APARTMENTS IS TO BE ENTIRELY DESIGNED AND DOCUMENTED BY THE APARTMENT CONTRACTOR IN ORDER TO MEET EARTHQUAKE REQUIREMENTS. PLEASE ENSURE THE TOTAL OVERALL BRACING ACROSS ALL THREE APARTMENTS MEET THE MINIMUM REQUIRED CAPACITIES NOMINATED BELOW.

MEZZANINE LEVEL: 64.4kN  
LOWER LEVEL: 13.5kN

THE ABOVE CAPACITIES ARE THE MINIMUM REQUIRED AND MUST BE ACHIEVED IN BOTH DIRECTIONS TO MEET THE STANDARDS OF AS1170.4 (CAPACITIES SHOWN ARE TOTAL REQUIRED ACROSS ALL THREE APARTMENTS).



MEZZANINE FLOOR/OFFICE ROOF FRAMING LAYOUT PLAN

<p><b>TIMBER FRAMING PLANS:</b></p> <p>THESE PLANS TO BE READ IN CONJUNCTION WITH TIMBER FRAMING PLANS BY OTHERS. ANY DISCREPANCIES TO BE REPORTED TO THIS OFFICE.</p> <p>ALL TIMBER FRAMING TO BE FIXED IN ACCORDANCE WITH GOOD BUILDING PRACTICE, AS1684.2 AND THE DETAILS PROVIDED.</p>	<p><b>WIND LOADING:</b></p> <p>THIS OFFICE HAS CALCULATED SITE SPECIFIC WIND SPEED IN ACCORDANCE WITH AS1170.2 ULTIMATE DESIGN TO 37.4m/s SERVICABILITY DESIGN 30.7m/s. PLEASE ENSURE ALL TIMBER FRAMING INCLUDING THE DOWN USE THESE WIND SPEEDS (MINIMUM) FOR DESIGN.</p>	<p><b>EARTHQUAKE DESIGN LOADING:</b></p> <p>THIS OFFICE HAS CALCULATED EQUIVALENT STATIC DESIGN EARTHQUAKE FORCES IN ACCORDANCE WITH AS1170.4 SEPARATELY FOR BOTH THE COMMERCIAL/RETAIL AREAS TO THE WEST AND THE ELEVATED APARTMENTS OVER THE CAR PARK TO THE EAST. REFER BRACING NOTE.</p>
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E.	UPDATED TO SUIT NEW MEZZANINE FLOOR SHAPE/SIZE	07.04.17	B.B.				
D.	SECTION AE ADDED TO FIRST FLOOR FRAMING LAYOUT PLAN	03.04.17	T.H.	I.	UPDATED TO SUIT REVISED ARCHITECTURAL PLANS	09.04.18	B.B.
C.	REVISED ENGINEERING TO SUIT NEW ARCHITECTURAL DRAWINGS	31.03.17	B.B.	H.	SOUTHERN BALCONY AMENDED	18.12.17	B.B.
B.	HEBEL BLOCK WALL ADDED, STEEL FRAMING UPDATED TO SUIT	22.07.16	B.B.	G.	NOTE ADDED REGARDING FOOTINGS BELOW C2 COLUMNS	26.09.17	T.H.
A.	BRACING DESIGN UPDATED/ST2 & WB1 ADDED TO MEMBER SCHEDULE	09.06.16	T.H.	F.	GENERAL REVISION / ISSUED FOR BRC	21.04.17	B.B.
NO	AMENDMENT	DATE	INITIAL	NO	AMENDMENT	DATE	INITIAL

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PROJECT PROPOSED OFFICE & APARTMENT DEVELOPMENT  
BERT FARINA CONSTRUCTIONS

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ADDRESS NO. 147 MARION ROAD  
RICHMOND, S.A.

SHEET TITLE

## STEELWORK MARKING PLAN

DESIGN T.H.	DATE 12-May-16
DRAWN B.B.	SCALE 1:100 UNO
REF. NO S17799	SHEET NO S3 REV. I