

Number of Storeys	1
Floor Loading	2 kPa
Foundation Type	Slab
Single	
Cladding Weight	Medium
Roof Weight	Light
Room in Roof Space	No
Roof Pitch (degrees)	30
Roof Height above Eaves (m)	2,1
Building Height to Apex (m)	4,75
Ground to Lower Floor (m)	0,225
Average Stud Height (m)	2,55
Building Length (m)	16,49
Building Width (m)	15,48
Building Plan Area (m ²)	201,3

Building Location	
Wind Zone = High	Earthquake Zone 2
	Soil Type D & E (Deep to Very Soft)
	Annual Prob. of Exceedance: 1 in 500 (NZS3604:2011 Default)

Bracing Units required for Wind		Bracing Units required for Earthquake	
Along	Across	Along & Across	
Single Level	842	827	928

Single Level Along Resistance Sheet

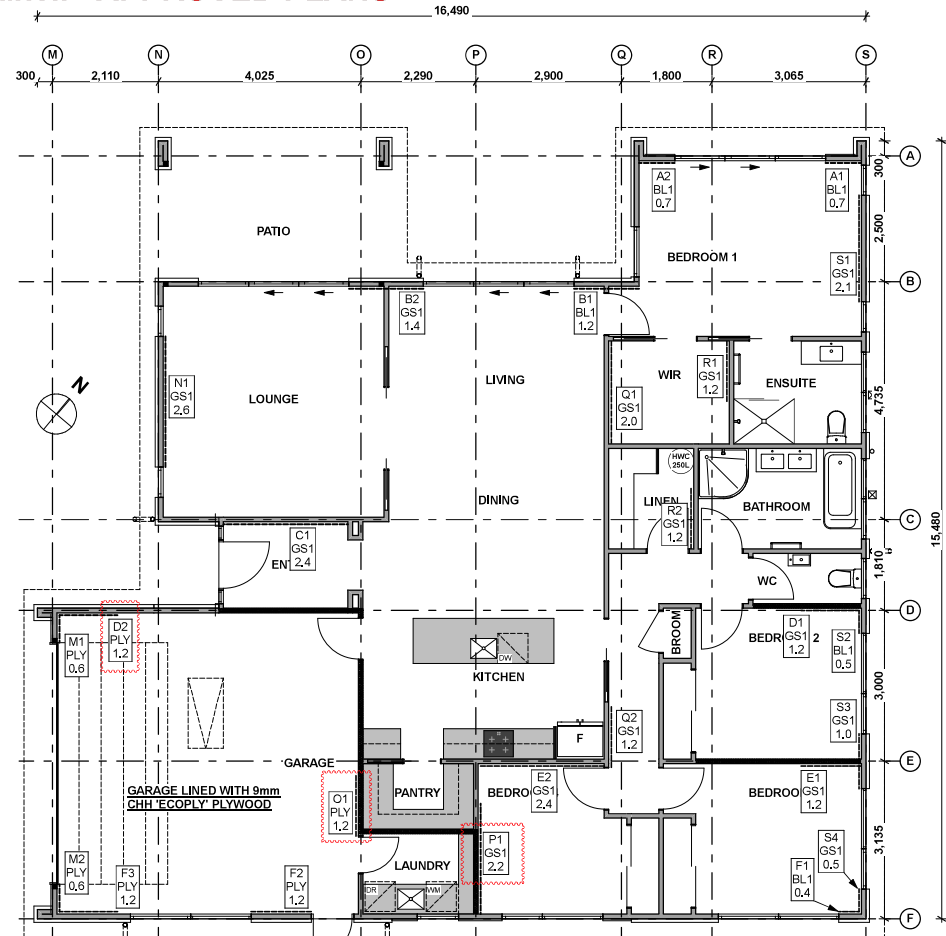
Job Name: GBA Developments

Line	Element	Length (m)	Angle (degrees)	Stud Ht (m)	Type	Supplier	Wind		EQ	
							842	827	1285	1232
A	1	0,70	2,55	BL-H	GIB®	68	67	152%	133%	
	2	0,70	2,55	BL-H	GIB®	68	67			
B	1	1,20	2,55	BL-H	GIB®	145	117			
	2	1,40	2,55	GS1-H	GIB®	91	79	235 OK	197 OK	
C	1	2,40	2,55	GS1-N	GIB®	156	130	150 OK	136 OK	
	2	1,20	2,55	GS1-N	GIB®	78	68			
D	1	1,20	2,55	EP12	CHH	136	152	213 OK	220 OK	
	2	1,20	2,55	GS1-N	GIB®	78	68			
E	1	1,20	2,55	GS1-N	GIB®	78	68			
	2	2,40	2,55	GS1-N	GIB®	156	136	234 OK	203 OK	
F	1	0,40	2,55	BL-H	GIB®	34	35			
	2	1,20	2,55	EP12	CHH	136	152			
	3	1,20	2,55	EP12	CHH	136	152	365 OK	343 OK	

Single Level Across Resistance Sheet

Job Name: GBA Developments

Line	Element	Length (m)	Angle (degrees)	Stud Ht (m)	Type	Supplier	Wind		EQ	
							827	928	1198	1108
M	1	0,60	2,55	EP06	CHH	54	59	143%	119%	
	2	0,60	2,55	EP06	CHH	54	59			
N	1	2,60	2,55	GS1-N	GIB®	189	147	107 OK	119 OK	
	2	1,20	2,55	EP12	CHH	136	152	169 OK	147 OK	
O	1	1,20	2,55	EP12	CHH	136	152	138 OK	152 OK	
	2	2,20	2,55	GS1-N	GIB®	143	124	143 OK	124 OK	
P	1	2,00	2,55	GS1-N	GIB®	130	113			
	2	1,20	2,55	GS1-N	GIB®	78	68	208 OK	181 OK	
Q	1	1,20	2,55	GS1-N	GIB®	78	68			
	2	1,20	2,55	GS1-N	GIB®	78	68	156 OK	136 OK	
S	1	2,10	2,55	GS1-N	GIB®	136	119			
	2	0,50	2,55	BL-H	GIB®	44	47			
	3	1,00	2,55	GS1-N	GIB®	61	56			
	4	0,90	2,55	GS1-H	GIB®	26	27	288 OK	249 OK	



201.3 m² FLOOR AREA

FLOOR MIN DEMAND
 ALONG: (928x 0.5) / 6 = 77
 ACROSS: (928x 0.5) / 7 = 66

BRACING ELEMENT LEGEND
 GS1 GIB 'STANDARD' ONE SIDE ONLY
 BL1 'BRACELINE' ONE SIDE ONLY (WITH HOLD DOWNS)
 PLY 'ECOPLY BARRIER' 9mm PLYWOOD BRACING (HOLD DOWNS)

-REFER BACK OF SPECIFICATION FOR BRACING DETAILS
 -13mm GIB 'AQUALINE' TO TILED ENSUITE WALLS (WAVE LINE)
 -10mm GIB 'AQUALINE' TO BATHROOM & ENSUITE WALLS