		WC	OOD	SHE	ARV	VAL	L SC	HED	ULE		
									Botton attach (found	nment	
Shear wall	Sheathing material	Panel thickness	Blocking	Minimum fastener penetration in framing member or blocking	Fastener type and size	Panel edge fastener spacing	Nominal unit shear capacity $v_{\scriptscriptstyle w}$	Hold-down anchor capacity	Number of bolts (1 in diameter, 4 inchembedment depth)	Bolt spacing	Bottom plate attachment (floor to floor)
ID		(in)		(in)		(in)	(plf)	(kip)		(in)	
SW_N3A	Wood structural panels – sheathing	3/8	YES	1-3/8	8d	4	840	2	-	-	wood screws 20 (d= 0.32 in) at 25 in. o/c; 30 fasteners in 2 rows.
SW_N3B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	1	-	1	16d (d= 0.268 in) nails at 24 in. o/c; 16 fasteners in 1 row.
SW_N3C	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	ı	ı	ı	16d (d= 0.268 in) nails at 21 in. o/c; 35 fasteners in 2 rows.
SW_N3D	Wood structural panels – sheathing	3/8	YES	1-3/8	8d	4	840	2	ı	ı	wood screws 20 (d= 0.32 in) at 25 in. o/c; 30 fasteners in 2 rows.
SW_N2A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	4	1430	4	-	-	wood screws 20 (d= 0.32 in) at 14 in. o/c; 52 fasteners in 2 rows.
SW_N2B	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	-	-	-	16d (d= 0.268 in) nails at 13 in. o/c; 28 fasteners in 1 row.

SW_N2C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	1	-	-	16d (d= 0.268 in) nails at 12 in. o/c; 59 fasteners in 2 rows.
SW_N2D	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	4	1430	4	-	-	wood screws 20 (d= 0.32 in) at 14 in. o/c; 52 fasteners in 2 rows.
SW_N1A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	7	10	36	SDWS log screw (d= 0.197 in) at 12 in. o/c; 58 fasteners in 2 rows.
SW_N1B	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	-	11	36	16d (d= 0.268 in) nails at 19 in. o/c; 39 fasteners in 2 rows.
SW_N1C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	3	11	36	wood screws 20 (d= 0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.
SW_N1D	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	7	10	36	SDWS log screw (d= 0.197 in) at 12 in. o/c; 60 fasteners in 2 rows.
SW_S3A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	2	ı	-	wood screws 20 (d= 0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
SW_S3B	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	2	ı	-	wood screws 20 (d= 0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
SW_S2A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	6	ı	-	SDWS log screw (d= 0.197 in) at 13 in. o/c; 54 fasteners in 2 rows.
SW_S2B	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	6	ı	-	SDWS log screw (d= 0.197 in) at 13 in. o/c; 54 fasteners in 2 rows.
SW_S1A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	11	10	36	SDWS log screw (d= 0.197 in) at 8 in. o/c; 76 fasteners in 2 rows.
SW_S1B	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	11	10	36	SDWS log screw (d= 0.197 in) at 8 in. o/c; 76 fasteners in 2 rows.

SW_E3A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	4	1430	3	-	-	wood screws 20 (d= 0.32 in) at 16 in. o/c; 46 fasteners in 2 rows.
SW_E3B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	-	-	ı	16d (d= 0.268 in) nails at 12 in. o/c; 30 fasteners in 1 row.
SW_E3C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	4	1430	6	ı	ı	SDWS log screw (d= 0.197 in) at 15 in. o/c; 32 fasteners in 2 rows.
SW_E2A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	7	1	ı	SDWS log screw (d= 0.197 in) at 11 in. o/c; 64 fasteners in 2 rows.
SW_E2B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	1	ı	ı	16d (d= 0.268 in) nails at 14 in. o/c; 51 fasteners in 2 rows.
SW_E2C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	11	1	-	SDWS log screw (d= 0.197 in) at 9 in. o/c; 54 fasteners in 2 rows.
SW_E1A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	13	7	36	SDWS log screw (d= 0.197 in) at 7 in. o/c; 64 fasteners in 2 rows.
SW_E1B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	-	11	36	16d (d= 0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
SW_E1C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	9	11	36	SDWS log screw (d= 0.197 in) at 10 in. o/c; 72 fasteners in 2 rows.
SW_W3A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	4	1430	3	1	-	wood screws 20 (d= 0.32 in) at 16 in. o/c; 46 fasteners in 2 rows.
SW_W3B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	-	-	ı	16d (d= 0.268 in) nails at 12 in. o/c; 30 fasteners in 1 row.
SW_W3C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	4	1430	6	ı	ı	SDWS log screw (d= 0.197 in) at 15 in. o/c; 32 fasteners in 2 rows.
SW_W2A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	7	-	-	SDWS log screw (d= 0.197 in) at 11 in. o/c; 64 fasteners in 2 rows.

SW_W2B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	1	-	-	16d (d= 0.268 in) nails at 14 in. o/c; 51 fasteners in 2 rows.
SW_W2C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	11	-	-	SDWS log screw (d= 0.197 in) at 9 in. o/c; 54 fasteners in 2 rows.
SW_W1A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	13	9	30	SDWS log screw (d= 0.197 in) at 7 in. o/c; 64 fasteners in 2 rows.
SW_W1B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	-	11	36	16d (d= 0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
SW_W1C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	9	11	36	SDWS log screw (d= 0.197 in) at 10 in. o/c; 72 fasteners in 2 rows.
SW_EC3A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	0	-	-	16d (d= 0.268 in) nails at 18 in. o/c; 42 fasteners in 2 rows.
SW_EC3B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	-	1	1	16d (d= 0.268 in) nails at 60 in. o/c; 7 fasteners in 1 row.
SW_EC3C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	3	ı	ı	wood screws 20 (d= 0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.
SW_EC2A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	2	1	-	wood screws 20 (d= 0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
SW_EC2B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	-	-	-	16d (d= 0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
SW_EC2C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	6	-	-	SDWS log screw (d= 0.197 in) at 12 in. o/c; 58 fasteners in 2 rows.

SW_EC1A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	11	6	36	SDWS log screw (d= 0.197 in) at 9 in. o/c; 42 fasteners in 2 rows.
SW_EC1B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	-	11	36	16d (d= 0.268 in) nails at 22 in. o/c; 17 fasteners in 1 row.
SW_EC1C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	11	11	36	SDWS log screw (d= 0.197 in) at 9 in. o/c; 82 fasteners in 2 rows.
SW_WC3A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	0	-	ı	16d (d= 0.268 in) nails at 18 in. o/c; 42 fasteners in 2 rows.
SW_WC3B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	0	560	-	ı	ı	16d (d= 0.268 in) nails at 60 in. o/c; 7 fasteners in 1 row.
SW_WC3C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	6	950	3	ı	ı	wood screws 20 (d= 0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.
SW_WC2A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	2	-	ı	wood screws 20 (d= 0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
SW_WC2B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	-	1	ı	16d (d= 0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
SW_WC2C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	3	1860	6	-	-	SDWS log screw (d= 0.197 in) at 12 in. o/c; 58 fasteners in 2 rows.
SW_WC1A	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	11	6	36	SDWS log screw (d= 0.197 in) at 9 in. o/c; 42 fasteners in 2 rows.
SW_WC1B	Wood structural panels – sheathing	3/8	NO	1-3/8	8d	6	560	-	11	36	16d (d= 0.268 in) nails at 22 in. o/c; 17 fasteners in 1 row.
SW_WC1C	Wood structural panels – sheathing	19/32	YES	1-1/2	10d	2	2435	11	11	36	SDWS log screw (d= 0.197 in) at 9 in. o/c; 82 fasteners in 2 rows.

# hold\_down

Shear wall	Floor	Length	Height	Area	Self weight	Shear	т	С	Hold-down anchor capacity			
		(m)	(m)	(m²)	(kN)	(kN)	(kN)	(kN)	(kN)			
N3A	3	8.90	3.30	29.39	19.10	44.84	7.09	-26.19	10.00	1.59	2.00	\$floor.B3
N3B	3	9.43	3.30	31.14	20.24	11.72	-6.02	-14.22	-	-1.35 -		\$floor.B3
N3C	3	9.43	3.30	31.14	20.24	25.01	-1.36	-18.88	-	-0.31 -		\$floor.B3
N3D	3	8.90	3.30	29.39	19.10	45.63	7.38	-26.48	10.00	1.66	2.00	\$floor.B3
N2A	2	8.90	3.35	29.84	19.40	76.75	19.22	-38.61	20.00	4.32	4.00	\$floor.B2
N2B	2	9.43	3.35	31.62	20.55	20.06	-3.14	-17.41	-	-0.71 -		\$floor.B2
N2C	2	9.43	3.35	31.62	20.55	42.80	4.94	-25.49	10.00	1.11	1.00	\$floor.B2
N2D	2	8.90	3.35	29.84	19.40	78.11	19.73	-39.12	20.00	4.43	4.00	\$floor.B2
N1A	1	8.90	3.45	30.74	19.98	109.39	32.47	-52.45	40.00	7.30	7.00	\$floor.B1
N1B	1	9.43	3.45	32.57	21.17	28.59	-0.11	-21.06	-	-0.03 -		\$floor.B1
N1C	1	9.43	3.45	32.57	21.17	61.01	11.76	-32.94	20.00	2.64	3.00	\$floor.B1
N1D	1	8.90	3.45	30.74	19.98	111.33	33.22	-53.20	40.00	7.47	7.00	\$floor.B1
S3A	3	9.20	3.30	30.38	19.75	54.95	9.85	-29.60	10.00	2.21	2.00	\$floor.B3
S3B	3	9.20	3.30	30.38	19.75	54.95	9.85	-29.60	10.00	2.21	2.00	\$floor.B3
S2A	2	9.20	3.35	30.85	20.05	98.51	25.88	-45.93	30.00	5.82	6.00	\$floor.B2
S2B	2	9.20	3.35	30.85	20.05	98.51	25.88	-45.93	30.00	5.82	6.00	\$floor.B2
S1A	1	8.45		29.2		143.06	48.96	-67.95	50.00	11.01	11.00	\$floor.B1
S1B	1	8.45		29.2		143.06	48.96	-67.95	50.00	11.01	11.00	\$floor.B1
E3A	3	9.20	3.30	30.38	19.75	68.76	14.81	-34.55	20.00	3.33	3.00	\$floor.B3
E3B	3	9.20	3.30	30.38	19.75	21.54	-2.14	-17.60	-	-0.48 -		\$floor.B3
E3C	3		3.30	19.64		59.39	26.59	-39.35	30.00	5.98	6.00	\$floor.B3
E2A	2	9.20	3.35	30.85	20.05	117.70	32.87	-52.92	40.00	7.39	7.00	\$floor.B2
E2B	2			30.85		36.86	3.41	-23.46	10.00	0.77	1.00	\$floor.B2
E2C	2	5.95	3.35	19.94		101.65	50.82	-63.78	60.00	11.43	11.00	\$floor.B2
E1A	1	6.20		21.42		118.86	59.27	-73.19	60.00	13.32	13.00	\$floor.B1
E1B	1	9.20		31.78		8.09	-7.29	-13.37	-	-1.64 -		\$floor.B1
E1C	1			31.78		133.14	39.66	-60.32	40.00	8.92	9.00	\$floor.B1
W3A	3			30.38		68.76	14.81	-34.55	20.00	3.33	3.00	\$floor.B3
W3B	3			30.38		21.54	-2.14	-17.60	-	-0.48 -		\$floor.B3
W3C	3	5.95		19.64		59.39	26.59	-39.35	30.00	5.98	6.00	\$floor.B3
W2A	2	9.20	3.35	30.85	20.05	117.70	32.87	-52.92	40.00	7.39	7.00	\$floor.B2

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W2B	2	9.20	3.35 30.85	20.05	36.86	3.41	-23.46	10.00	0.77	1.00	\$floor.B2
W2C	2	5.95	3.35 19.94	12.96	101.65	50.82	-63.78	60.00	11.43	11.00	\$floor.B2
W1A	1	6.20	3.45 21.42	13.92	118.86	59.27	-73.19	60.00	13.32	13.00	\$floor.B1
W1B	1	9.20	3.45 31.78	20.66	8.09	-7.29	-13.37 -		-1.64 -		\$floor.B1
W1C	1	9.20	3.45 31.78	20.66	133.14	39.66	-60.32	40.00	8.92	9.00	\$floor.B1
EC3A	3	9.20	3.30 30.38	19.75	30.35	1.02	-20.77	10.00	0.23	0.00	\$floor.B3
EC3B	3	9.20	3.30 30.38	19.75	4.77	-8.16	-11.58 -		-1.83 -		\$floor.B3
EC3C	3	9.20	3.30 30.38	19.75	59.25	11.39	-31.14	20.00	2.56	3.00	\$floor.B3
EC2A	2	9.20	3.35 30.85	20.05	54.41	9.80	-29.85	10.00	2.20	2.00	\$floor.B2
EC2B	2	9.20	3.35 30.85	20.05	8.56	-6.91	-13.14 -		-1.55 -		\$floor.B2
EC2C	2	9.20	3.35 30.85	20.05	106.22	28.69	-48.74	30.00	6.45	6.00	\$floor.B2
EC1A	1	4.87	3.45 16.82	10.93	79.02	50.58	-61.52	60.00	11.37	11.00	\$floor.B1
EC1B	1	9.20	3.45 31.78	20.66	12.43	-5.66	-15.00 -		-1.27 -		\$floor.B1
EC1C	1	9.20	3.45 31.78	20.66	154.27	47.60	-68.25	50.00	10.70	11.00	\$floor.B1
WC3A	3	9.20	3.30 30.38	19.75	30.35	1.02	-20.77	10.00	0.23	0.00	\$floor.B3
WC3B	3	9.20	3.30 30.38	19.75	4.77	-8.16	-11.58 -		-1.83 -		\$floor.B3
WC3C	3	9.20	3.30 30.38	19.75	59.25	11.39	-31.14	20.00	2.56	3.00	\$floor.B3
WC2A	2	9.20	3.35 30.85	20.05	54.41	9.80	-29.85	10.00	2.20	2.00	\$floor.B2
WC2B	2	9.20	3.35 30.85	20.05	8.56	-6.91	-13.14 -		-1.55 -		\$floor.B2
WC2C	2	9.20	3.35 30.85	20.05	106.22	28.69	-48.74	30.00	6.45	6.00	\$floor.B2
WC1A	1	4.87	3.45 16.82	10.93	79.02	50.58	-61.52	60.00	11.37	11.00	\$floor.B1
WC1B	1	9.20	3.45 31.78	20.66	12.43	-5.66	-15.00 -		-1.27 -		\$floor.B1
WC1C	1	9.20	3.45 31.78	20.66	154.27	47.60	-68.25	50.00	10.70	11.00	\$floor.B1
						59.27	-73.19	60.00		13.00	

# hold\_down

# Bottom plate attachment (floor to floor)

1 row 2 row

	Botton	n plate attachm	ent (to foundat	ion)	16d	(d= 0.268 in)	) nails	160	I (d= 0.268 in)	nails
Shear/m		•	•	•			,		,	
(kN)	Shear	Bolt spacemerN	umber of bol Sh	ear/bolt r	number	spacement	OK	Number/2	spacement	OK
5.04	0.00	•	1	0.00	62.00			31	•	0
1.24	0.00	1,000.00	1	0.00	16.00	0.59	1		0.00	1
2.65	0.00	1,000.00	1	0.00	35.00	0.27	0	17.5	0.54	1
5.13	0.00	1,000.00	1	0.00	63.00	0.14	. 0	31.5	0.28	3 0
8.62	0.00	1,000.00	1	0.00	105.00	0.08	0	52.5	0.17	0
2.13	0.00	1,000.00	1	0.00	28.00	0.34	. 1		0.00	1
4.54	0.00	1,000.00	1	0.00	59.00	0.16	0	29.5	0.32	. 1
8.78	0.00	1,000.00	1	0.00	107.00	0.08	0	53.5	0.17	0
12.29	109.39	0.91	10	10.94	150.00	0.06	0	75	0.12	2 0
3.03	28.59	0.91	11	2.60	39.00	0.24	. 0	19.5	0.48	1
6.47	61.01	0.91	11	5.55	84.00	0.11	. 0	42	0.22	2 0
12.51	111.33	0.91	10	11.13	152.00	0.06	0	76	0.12	2 0
5.97	0.00	1,000.00	1	0.00	75.00	0.12	0	37.5	0.25	0
5.97	0.00	1,000.00	1	0.00	75.00	0.12	. 0	37.5	0.25	0
10.71	0.00	1,000.00	1	0.00	135.00	0.07	0	67.5	0.14	0
10.71	0.00	1,000.00	1	0.00	135.00	0.07	0	67.5	0.14	0
16.92	143.06	0.91	10	14.31	195.00	0.04	. 0	97.5	0.09	0
16.92	143.06	0.91	10	14.31	195.00	0.04	. 0	97.5	0.09	0
7.47	0.00	1,000.00	1	0.00	94.00	0.10	0	47	0.20	0
2.34	0.00	1,000.00	1	0.00	30.00	0.31	. 1		0.00	1
9.99	0.00	1,000.00	1	0.00	81.00	0.07	0	40.5	0.15	0
12.79	0.00	1,000.00	1	0.00	161.00	0.06	0	80.5	0.11	. 0
4.01	0.00	1,000.00	1	0.00	51.00	0.18	0	25.5	0.36	1
17.09	0.00	1,000.00	1	0.00	139.00	0.04	. 0	69.5	0.09	0
19.17	118.86	0.91	7	16.98	162.00	0.04	. 0	81	. 0.08	0
0.88	8.09	0.91	11	0.74	12.00	0.77	1		0.00	1
14.47	133.14	0.91	11	12.10	182.00	0.05	0	91	0.10	0
7.47	0.00	1,000.00	1	0.00	94.00	0.10	0	47	0.20	0
2.34	0.00	1,000.00	1	0.00	30.00	0.31	. 1		0.00	1
9.99	0.00	1,000.00	1	0.00	81.00	0.07	0	40.5	0.15	0
12.79	0.00	1,000.00	1	0.00	161.00	0.06	0	80.5	0.11	. 0

hold down 4.01 0.00 1,000.00 1 0.00 51.00 0.18 0 25.5 0.36 1 17.09 0.00 1,000.00 1 0.00 139.00 0.04 0 69.5 0.09 0 19.17 0 118.86 9 0 0.76 13.21 162.00 0.04 81 0.08 0.88 8.09 0.74 1 1 0.91 11 12.00 0.77 0.00 0.05 0 0 14.47 133.14 0.91 11 12.10 182.00 91 0.10 3.30 0.22 0 0.00 1,000.00 1 0.00 42.00 21 0.44 1 0.52 0.00 1,000.00 1 0.00 7.00 1.31 1 0.00 1 6.44 0 0 0.00 1,000.00 1 0.00 81.00 0.11 40.5 0.23 5.91 1,000.00 0.12 0 0.25 0 0.00 1 0.00 75.00 37.5 0.93 0.00 1,000.00 1 1 1 0.00 0.77 0.00 12.00 11.55 0.00 1,000.00 0.00 0 72.5 0.13 0 1 145.00 0.06 16.23 79.02 0.05 0 0.91 6 13.17 108.00 0 54 0.09 0.54 1 1.35 12.43 0.91 11 1.13 17.00 1 0.00 0 0 16.77 154.27 0.91 11 14.02 211.00 0.04 105.5 0.09 3.30 0.00 1,000.00 1 0.00 42.00 0.22 0 21 0.44 1 0.52 0.00 1,000.00 1 0.00 7.00 1.31 1 0.00 1 0.00 1,000.00 0.00 0 40.5 0.23 0 6.44 1 81.00 0.11 5.91 0.00 1,000.00 1 0.00 0.12 0 37.5 0.25 0 75.00 0.93 0.00 1,000.00 0.00 1 0.77 1 1 0.00 12.00 11.55 0.00 1,000.00 0.00 0.06 0 72.5 0 1 145.00 0.13 16.23 79.02 0.05 0.09 0 0.91 6 13.17 108.00 0 54 1.35 12.43 0.00 0.91 11 1.13 17.00 0.54 1 1 16.77 154.27 0.91 11 14.02 211.00 0.04 0 105.5 0.09 0 19.17 16.98 12 19

4,309.98

# hold\_down

2 row 2 row

wood screws 20 (d= 0.32 in) SDWS log screw (d= 0.197 in)

number	spacement OK	numl	ber spac	cement OK		type numbe	er rows	bolts/r	OW
15.00	0.59	1	12.00	0.00	1	wood screws 20 (d= 0.32	30	2	15
4.00	0.00	1	4.00	0.00	1	16d (d= 0.268 in) nails	16	1	16
9.00	0.00	1	7.00	0.00	1	16d (d= 0.268 in) nails	35	2	18
15.00	0.59	1	13.00	0.00	1	wood screws 20 (d= 0.32	30	2	15
26.00	0.34	1	21.00	0.00	1	wood screws 20 (d= 0.32	52	2	26
7.00	0.00	1	6.00	0.00	1	16d (d= 0.268 in) nails	28	1	28
14.00	0.00	1	12.00	0.00	1	16d (d= 0.268 in) nails	59	2	30
26.00	0.34	1	21.00	0.00	1	wood screws 20 (d= 0.32	52	2	26
36.00	0.25	0	29.00	0.31	1	SDWS log screw (d= 0.19	58	2	29
10.00	0.00	1	8.00	0.00	1	16d (d= 0.268 in) nails	39	2	20
20.00	0.47	1	17.00	0.00	1	wood screws 20 (d= 0.32	40	2	20
37.00	0.24	0	30.00	0.30	1	SDWS log screw (d= 0.19	60	2	30
18.00	0.51	1	15.00	0.00	1	wood screws 20 (d= 0.32	36	2	18
18.00	0.51	1	15.00	0.00	1	wood screws 20 (d= 0.32	36	2	18
33.00	0.28	0	27.00	0.34	1	SDWS log screw (d= 0.19	54	2	27
33.00	0.28	0	27.00	0.34	1	SDWS log screw (d= 0.19	54	2	27
47.00	0.18	0	38.00	0.22	1	SDWS log screw (d= 0.19	76	2	38
47.00	0.18	0	38.00	0.22	1	SDWS log screw (d= 0.19	76	2	38
23.00	0.40	1	19.00	0.00	1	wood screws 20 (d= 0.32	46	2	23
8.00	0.00	1	6.00	0.00	1	16d (d= 0.268 in) nails	30	1	30
20.00	0.30	0	16.00	0.37	1	SDWS log screw (d= 0.19	32	2	16
39.00	0.24	0	32.00	0.29	1	SDWS log screw (d= 0.19	64	2	32
13.00	0.00	1	10.00	0.00	1	16d (d= 0.268 in) nails	51	2	26
34.00	0.17	0	27.00	0.22	1	SDWS log screw (d= 0.19	54	2	27
39.00	0.16	0	32.00	0.19	1	SDWS log screw (d= 0.19	64	2	32
3.00	0.00	1	3.00	0.00	1	16d (d= 0.268 in) nails	12	1	12
44.00	0.21	0	36.00	0.26	1	SDWS log screw (d= 0.19	72	2	36
23.00	0.40	1	19.00	0.00	1	wood screws 20 (d= 0.32	46	2	23
8.00	0.00	1	6.00	0.00	1	16d (d= 0.268 in) nails	30	1	30
20.00	0.30	0	16.00	0.37	1	SDWS log screw (d= 0.19	32	2	16
39.00	0.24	0	32.00	0.29	1	SDWS log screw (d= 0.19	64	2	32

					hold_down				
13.00	0.00	1	10.00	0.00	1	16d (d= 0.268 in) nails	51	2	26
34.00	0.17	0	27.00	0.22	1	SDWS log screw (d= 0.19	54	2	27
39.00	0.16	0	32.00	0.19	1	SDWS log screw (d= 0.19	64	2	32
3.00	0.00	1	3.00	0.00	1	16d (d= 0.268 in) nails	12	1	12
44.00	0.21	0	36.00	0.26	1	SDWS log screw (d= 0.19	72	2	36
10.00	0.00	1	9.00	0.00	1	16d (d= 0.268 in) nails	42	2	21
2.00	0.00	1	2.00	0.00	1	16d (d= 0.268 in) nails	7	1	7
20.00	0.46	1	16.00	0.00	1	wood screws 20 (d= 0.32	40	2	20
18.00	0.51	1	15.00	0.00	1	wood screws 20 (d= 0.32	36	2	18
3.00	0.00	1	3.00	0.00	1	16d (d= 0.268 in) nails	12	1	12
35.00	0.26	0	29.00	0.32	1	SDWS log screw (d= 0.19	58	2	29
26.00	0.19	0	21.00	0.23	1	SDWS log screw (d= 0.19	42	2	21
5.00	0.00	1	4.00	0.00	1	16d (d= 0.268 in) nails	17	1	17
51.00	0.18	0	41.00	0.22	1	SDWS log screw (d= 0.19	82	2	41
10.00	0.00	1	9.00	0.00	1	16d (d= 0.268 in) nails	42	2	21
2.00	0.00	1	2.00	0.00	1	16d (d= 0.268 in) nails	7	1	7
20.00	0.46	1	16.00	0.00	1	wood screws 20 (d= 0.32	40	2	20
18.00	0.51	1	15.00	0.00	1	wood screws 20 (d= 0.32	36	2	18
3.00	0.00	1	3.00	0.00	1	16d (d= 0.268 in) nails	12	1	12
35.00	0.26	0	29.00	0.32	1	SDWS log screw (d= 0.19	58	2	29
26.00	0.19	0	21.00	0.23	1	SDWS log screw (d= 0.19	42	2	21
5.00	0.00	1	4.00	0.00	1	16d (d= 0.268 in) nails	17	1	17
51.00	0.18	0	41.00	0.22	1	SDWS log screw (d= 0.19	82	2	41
		32			54		82		
		13			22				

#### hold down

#### spacement

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25 2 rows. wood screws 20 (d= 0.32 in) at 25 in. o/c; 30 fasteners in 2 rows.
24 1 row. 16d (d= 0.268 in) nails at 24 in. o/c; 16 fasteners in 1 row.
21 2 rows. 16d (d= 0.268 in) nails at 21 in. o/c; 35 fasteners in 2 rows.
25 2 rows. wood screws 20 (d= 0.32 in) at 25 in. o/c; 30 fasteners in 2 rows.
14 2 rows. wood screws 20 (d= 0.32 in) at 14 in. o/c; 52 fasteners in 2 rows.
13 1 row. 16d (d= 0.268 in) nails at 13 in. o/c; 28 fasteners in 1 row.
12 2 rows. 16d (d= 0.268 in) nails at 12 in. o/c; 59 fasteners in 2 rows.
14 2 rows. wood screws 20 (d= 0.32 in) at 14 in. o/c; 52 fasteners in 2 rows.
12 2 rows. SDWS log screw (d= 0.197 in) at 12 in. o/c; 58 fasteners in 2 rows.
19 2 rows. 16d (d= 0.268 in) nails at 19 in. o/c; 39 fasteners in 2 rows.
19 2 rows. wood screws 20 (d= 0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.
12 2 rows. SDWS log screw (d= 0.197 in) at 12 in. o/c; 60 fasteners in 2 rows.
21 2 rows. wood screws 20 (d= 0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
21 2 rows. wood screws 20 (d= 0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
13 2 rows. SDWS log screw (d= 0.197 in) at 13 in. o/c; 54 fasteners in 2 rows.
13 2 rows. SDWS log screw (d= 0.197 in) at 13 in. o/c; 54 fasteners in 2 rows.
 8 2 rows. SDWS log screw (d= 0.197 in) at 8 in. o/c; 76 fasteners in 2 rows.
 8 2 rows. SDWS log screw (d= 0.197 in) at 8 in. o/c; 76 fasteners in 2 rows.
16 2 rows. wood screws 20 (d= 0.32 in) at 16 in. o/c; 46 fasteners in 2 rows.
12 1 row. 16d (d= 0.268 in) nails at 12 in. o/c; 30 fasteners in 1 row.
15 2 rows. SDWS log screw (d= 0.197 in) at 15 in. o/c; 32 fasteners in 2 rows.
11 2 rows. SDWS log screw (d= 0.197 in) at 11 in. o/c; 64 fasteners in 2 rows.
14 2 rows. 16d (d= 0.268 in) nails at 14 in. o/c; 51 fasteners in 2 rows.
 9 2 rows. SDWS log screw (d= 0.197 in) at 9 in. o/c; 54 fasteners in 2 rows.
 72 rows. SDWS log screw (d= 0.197 in) at 7 in. o/c; 64 fasteners in 2 rows.
32 1 row. 16d (d= 0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
10 2 rows. SDWS log screw (d= 0.197 in) at 10 in. o/c; 72 fasteners in 2 rows.
16 2 rows. wood screws 20 (d= 0.32 in) at 16 in. o/c; 46 fasteners in 2 rows.
12 1 row. 16d (d= 0.268 in) nails at 12 in. o/c; 30 fasteners in 1 row.
15 2 rows. SDWS log screw (d= 0.197 in) at 15 in. o/c; 32 fasteners in 2 rows.
11 2 rows. SDWS log screw (d= 0.197 in) at 11 in. o/c; 64 fasteners in 2 rows.
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#### hold down

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14 2 rows. 16d (d= 0.268 in) nails at 14 in. o/c; 51 fasteners in 2 rows.
 9 2 rows. SDWS log screw (d= 0.197 in) at 9 in. o/c; 54 fasteners in 2 rows.
7 2 rows. SDWS log screw (d= 0.197 in) at 7 in. o/c; 64 fasteners in 2 rows.
32 1 row. 16d (d= 0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
10 2 rows. SDWS log screw (d= 0.197 in) at 10 in. o/c; 72 fasteners in 2 rows.
18 2 rows. 16d (d= 0.268 in) nails at 18 in. o/c; 42 fasteners in 2 rows.
60 1 row. 16d (d= 0.268 in) nails at 60 in. o/c; 7 fasteners in 1 row.
19 2 rows. wood screws 20 (d= 0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.
21 2 rows. wood screws 20 (d= 0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
32 1 row. 16d (d= 0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
12 2 rows. SDWS log screw (d= 0.197 in) at 12 in. o/c; 58 fasteners in 2 rows.
 9 2 rows. SDWS log screw (d= 0.197 in) at 9 in. o/c; 42 fasteners in 2 rows.
22 1 row. 16d (d= 0.268 in) nails at 22 in. o/c; 17 fasteners in 1 row.
 9 2 rows. SDWS log screw (d= 0.197 in) at 9 in. o/c; 82 fasteners in 2 rows.
18 2 rows. 16d (d= 0.268 in) nails at 18 in. o/c; 42 fasteners in 2 rows.
60 1 row. 16d (d= 0.268 in) nails at 60 in. o/c; 7 fasteners in 1 row.
19 2 rows. wood screws 20 (d= 0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.
21 2 rows. wood screws 20 (d= 0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
32 1 row. 16d (d= 0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
12 2 rows. SDWS log screw (d= 0.197 in) at 12 in. o/c; 58 fasteners in 2 rows.
 9 2 rows. SDWS log screw (d= 0.197 in) at 9 in. o/c; 42 fasteners in 2 rows.
22 1 row. 16d (d= 0.268 in) nails at 22 in. o/c; 17 fasteners in 1 row.
 9 2 rows. SDWS log screw (d= 0.197 in) at 9 in. o/c; 82 fasteners in 2 rows.
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Nominal unit shear capacities Wind			0.01				Roof N3A max:
Wood-based panels	(4.3A)				Factored values (A	SD)	44.84 kN
6	4 3		6 4	3 2	6 4	3 2	6 4
plf plf	plf	plf	kN/m kN/m kN/i			m kN/m	kN/m kN/m
560	840 1090			5.91 20.87		.95 10.43	10.97 7.32
645 1	L010 1290			3.83 24.96	4.71 7.37	.41 12.48	9.53 6.08
	L105 1415			.65 27.36		.33 13.68	8.59 5.56
	L205 1540		11.46 17.59 22			24 14.92	7.83 5.10
950 1	L430 1860		13.86 20.87 27			3.57 17.77	6.47 4.30
505	755 980		7.37 11.02 14			'.15 9.19	12.17 8.14
	840 1090		8.17 12.26 15			.95 10.43	10.97 7.32
	895 1150		8.98 13.06 16			3.39 10.84	9.99 6.87
670	980 1260	1640	9.78 14.30 18	3.39 23.93		.19 11.97	9.17 6.27
	L065 1370			.99 26.12		.00 13.06	8.42 5.77
	L290 1680		12.70 18.83 24			26 15.72	7.06 4.76
	L430 1860			7.14 35.54		3.57 17.77	6.47 4.30
390	590 770		5.69 8.61 11			5.62 7.37	15.76 10.42
	670 870			2.70 16.78		5.35 8.39	13.66 9.17
335	505 645			.41 12.26		.71 6.13	18.34 12.17
365	530 670			.78 12.84		.89 6.42	16.84 11.59
390	590 755			02 14.30		5.51 7.15	15.76 10.42
520	770 1010			.74 18.83		.37 9.41	11.82 7.98
560	855 1105			5.13 21.23		3.06 10.62	10.97 7.19
	475 645			.41 10.65		.71 5.33	12.94
	475 645	730	6.93 9	.41 10.65		.71 5.33	12.94
					6.93 10.43 1	3.57 17.77	6.47 4.30
Wood sheathing famili							
6	4 3		6 4	3 2			
plf plf	plf	plf		m kN/m	100 010		10.07 7.00
	0.00 1,090.00	•	8.17 12.26 15			7.95 10.43	10.97 7.32
•	5.00 1,540.00	•	11.46 17.59 22			24 14.92	7.83 5.10
		1,260.00	7.37 11.02 14			7.15 9.19	12.17 8.14
		1,430.00		5.91 20.87		.95 10.43	10.97 7.32
	5.00 1,370.00			.99 26.12		0.00 13.06	8.42 5.77
		1,010.00		24 14.74		5.62 7.37	15.76 10.42
450.00 67	0.00 870.00	1,150.00	6.57 9.78 12	2.70 16.78	3.28 4.89	5.35 8.39	13.66 9.17

Page 14

					5.	73	8.79	11.24	14.92	7.83	3 5.10
Gypsum sheathi	ing families (	(4.3C)									
plf	_	kN/m									
15		2.19	0.01		1.	)9				40.9	7
22		3.21			1.					27.9	
20		2.92			1.					30.73	
25	0 1.11	3.65			1.	32				24.58	
25	0 1.11	3.65			1.	32				24.58	
30	0 1.33	4.38			2.	L9				20.48	3
12	0.53	1.75			0.	38				51.2	1
32	1.42	4.67			2.	34				19.20	0
31	.0 1.38	4.52			2.	26				19.82	2
14	0.62	2.04			1.	)2				43.89	9
18	0.80	2.63			1.3	31				34.14	4
23	1.02	3.36			1.	8				26.72	2
29		4.23			2.					21.19	
29		4.23			2.					21.19	
35	1.56	5.11			2.	55				17.50	
14	0.62	2.04			1.	)2				43.89	9
18		2.63			1.					34.14	
50		7.30			3.					12.29	
15		2.19			1.					40.9	
35		5.11			2.					17.50	
20		2.92			1					30.73	
40		5.84			2.					15.30	
36		5.25			2.					17.0	
20		2.92			1					30.73	
36	1.60	5.25			2.					17.0	
					3.	35				12.29	9
Lumber shea											
plf		kN/m									_
14		2.04			1.					43.89	
84		12.26			6.					7.3	
168		24.52			12.					3.60	
12	0.56	1.82			0.					49.10	
					12.	26				3.60	6

N3B   max   9.43   N3C   max   9.43   N3C   max   9.43   N3C   max   8.9   N3D   Max   8.9   N3D			Roof				Roof					Roof					
Name	8.9 m	n	N3B	max:	9.43	m	N3C	max:		9.43 r	n	N3D	ı	max:	8.9	m	
No.   No.			11.72	2 kN			25.0	1 kN					45.63 l	κN			
564         4,30         2,87         1,91         1,47         1,12         6,12         4,08         3,14         2,40         11,17         7,44         5,74         4,37           4,76         3,59         2,249         1,59         1,25         0,94         5,31         3,39         2,66         2,00         9,70         6,19         4,85         3,66         4,34         3,28         2,25         1,45         1,14         0,86         4,79         3,10         2,42         1,83         8,75         5,66         4,42         3,34         3,99         3,00         2,05         1,33         1,04         0,79         4,37         2,84         2,23         1,68         7,97         5,19         4,06         3,06         3,66         3,61         2,40         1,84         1,41         6,58         4,37         3,36         2,57           6,27         4,88         3,18         2,13         1,64         1,27         6,79         4,54         3,50         2,72         12,38         8,28         6,38         4,96         5,64         4,30         2,81         1,14         1,12         1,98         5,57         3,83         2,89         2,31         1,01         7,9	3	2	(	6 4	3	2		6	4	3	2		6	4	3	2	
4.76       3.59       2.49       1.59       1.25       0.94       5.31       3.39       2.66       2.00       9.70       6.19       4.85       3.66         4.34       3.28       2.25       1.45       1.14       0.86       4.79       3.10       2.42       1.83       8.75       5.66       4.42       3.34         3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.287       1.91       1.47       1.12       6.12       4.08       3.14       2.40       1.11       1.77       1.42       4.37       4.37         4.88       3.75       2.40       1.64       1.27       0.98       5.12       3.50       2.72       2.09 <td< th=""><th>kN/m k</th><th>κN/m</th><th>kN/m</th><th>kN/m</th><th>kN/m</th><th>kN/m</th><th>kN/m</th><th>kN/m</th><th>kľ</th><th>N/m l</th><th>κN/m</th><th>kN/m</th><th>ı</th><th>kN/m l</th><th>kN/m</th><th>kN/m</th><th></th></td<>	kN/m k	κN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kľ	N/m l	κN/m	kN/m	ı	kN/m l	kN/m	kN/m	
4.34       3.28       2.25       1.45       1.14       0.86       4.79       3.10       2.42       1.83       8.75       5.66       4.42       3.34         3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         5.34       4.14       2.61       1.79       1.40       1.08       5.57       3.83       2.98       2.31       10.17       6.99       5.44       4.21         4.88       3.75       2.40       1.64       1.27       0.98       5.12       3.50       2.72       2.09       9.33 <t< td=""><td></td><td>4.30</td><td>2.87</td><td>7 1.91</td><td>1.47</td><td>1.12</td><td>6.1</td><td>2 4.0</td><td>8</td><td>3.14</td><td>2.40</td><td></td><td>11.17</td><td>7.44</td><td>5.74</td><td>4.37</td><td></td></t<>		4.30	2.87	7 1.91	1.47	1.12	6.1	2 4.0	8	3.14	2.40		11.17	7.44	5.74	4.37	
3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         5.34       4.14       2.61       1.79       1.40       1.08       5.57       3.83       2.98       2.31       10.17       6.99       5.44       4.21         4.88       3.75       2.40       1.64       1.27       0.98       5.12       3.50       2.72       2.09       9.33       6.38       4.96         3.66       2.85       1.85       1.25       0.96       0.75       3.94       2.66       2.04       1.59       7.19       4.85 <t< td=""><td>4.76</td><td>3.59</td><td>2.49</td><td>1.59</td><td>1.25</td><td>0.94</td><td>5.3</td><td>1 3.3</td><td>9</td><td>2.66</td><td>2.00</td><td></td><td>9.70</td><td>6.19</td><td>4.85</td><td>3.66</td><td></td></t<>	4.76	3.59	2.49	1.59	1.25	0.94	5.3	1 3.3	9	2.66	2.00		9.70	6.19	4.85	3.66	
3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         5.34       4.14       2.61       1.79       1.40       1.08       5.57       3.83       2.98       2.31       10.17       6.99       5.44       4.21         4.88       3.75       2.40       1.64       1.27       0.98       5.12       3.50       2.72       2.09       9.33       6.38       4.96       3.81         4.49       3.43       2.20       1.51       1.17       0.90       4.70       3.22       2.50       1.91       8.57       5.87       4.56       3.49         3.60       2.85       1.68       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58 <t< td=""><td>4.34</td><td>3.28</td><td>2.25</td><td>1.45</td><td>1.14</td><td>0.86</td><td>4.7</td><td>9 3.1</td><td>0</td><td>2.42</td><td>1.83</td><td></td><td>8.75</td><td>5.66</td><td>4.42</td><td>3.34</td><td></td></t<>	4.34	3.28	2.25	1.45	1.14	0.86	4.7	9 3.1	0	2.42	1.83		8.75	5.66	4.42	3.34	
6.27         4.88         3.18         2.13         1.64         1.27         6.79         4.54         3.50         2.72         12.38         8.28         6.38         4.96           5.64         4.30         2.87         1.91         1.47         1.12         6.12         4.08         3.14         2.40         111.17         7.44         5.74         4.37           5.34         4.14         2.61         1.79         1.40         1.08         5.57         3.83         2.98         2.31         10.17         6.99         5.44         4.21           4.88         3.75         2.40         1.64         1.27         0.98         5.12         3.50         2.72         2.09         9.33         6.38         4.96         3.81           4.49         3.43         2.20         1.51         1.17         0.90         4.70         3.22         2.50         1.91         8.57         5.87         4.56         3.49           3.60         2.85         1.85         1.25         0.96         0.75         3.94         2.66         2.04         1.59         7.19         4.85         3.72         2.90           3.30         2.52         1.69	3.99	3.00	2.05	1.33	1.04	0.79	4.3	7 2.8	4	2.23	1.68		7.97	5.19	4.06	3.06	
5.64         4.30         2.87         1.91         1.47         1.12         6.12         4.08         3.14         2.40         11.17         7.44         5.74         4.37           5.34         4.14         2.61         1.79         1.40         1.08         5.57         3.83         2.98         2.31         10.17         6.99         5.44         4.21           4.88         3.75         2.40         1.64         1.27         0.98         5.12         3.50         2.72         2.09         9.33         6.38         4.96         3.81           4.49         3.43         2.20         1.51         1.17         0.90         4.70         3.22         2.50         1.91         8.57         5.87         4.56         3.49           3.66         2.85         1.85         1.25         0.96         0.75         3.94         2.66         2.04         1.59         7.19         4.85         3.72         2.90           3.30         2.52         1.69         1.12         0.86         3.61         2.40         1.84         1.41         1.65         4.37         3.36         2.57           7.98         6.08         4.12         2.72	3.30		1.69	1.12	0.86	0.66	3.6	1 2.4	0	1.84	1.41		6.58	4.37	3.36		
5.34         4.14         2.61         1.79         1.40         1.08         5.57         3.83         2.98         2.31         10.17         6.99         5.44         4.21           4.88         3.75         2.40         1.64         1.27         0.98         5.12         3.50         2.72         2.09         9.33         6.38         4.96         3.81           3.66         2.85         1.85         1.25         0.96         0.75         3.94         2.66         2.04         1.59         7.19         4.85         3.72         2.90           3.30         2.52         1.69         1.12         0.86         0.66         3.61         2.40         1.84         1.41         6.58         4.37         3.36         2.57           7.98         6.08         4.12         2.72         2.09         1.59         8.79         5.81         4.45         3.39         16.03         10.00         8.12         6.19           7.98         6.08         4.12         2.72         2.09         1.59         8.79         5.81         4.45         3.39         16.03         10.00         8.12         6.19           9.53         7.32         4.79		4.88	3.18	3 2.13	1.64	1.27			4		2.72			8.28	6.38	4.96	
4.88       3.75       2.40       1.64       1.27       0.98       5.12       3.50       2.72       2.09       9.33       6.38       4.96       3.81         4.49       3.43       2.20       1.51       1.17       0.90       4.70       3.22       2.50       1.91       8.57       5.87       4.56       3.49         3.66       2.85       1.85       1.25       0.96       0.75       3.94       2.66       2.04       1.59       7.19       4.85       3.72       2.99         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         7.98       6.08       4.12       2.72       2.09       1.59       8.79       5.81       4.45       3.39       16.03       10.60       8.12       6.19         7.06       5.34       3.57       2.40       1.85       1.40       7.62       5.12       3.94       2.98       13.90       9.33       7.19       5.44         9.53       7.32       4.79       3.18       2.49       1.91       10.23       6.79       5.31       4.08       18.67	5.64	4.30					6.1	2 4.0	8	3.14	2.40		11.17	7.44	5.74	4.37	
4.49       3.43       2.20       1.51       1.17       0.90       4.70       3.22       2.50       1.91       8.57       5.87       4.56       3.49         3.66       2.85       1.85       1.25       0.96       0.75       3.94       2.66       2.04       1.59       7.19       4.85       3.72       2.90         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         7.98       6.08       4.12       2.72       2.09       1.59       8.79       5.81       4.45       3.39       16.03       10.60       8.12       6.19         7.06       5.34       3.57       2.40       1.85       1.40       7.62       5.12       3.94       2.98       13.90       9.33       7.19       5.44         9.53       7.32       4.79       3.18       2.49       1.91       10.23       6.79       5.31       4.08       18.67       12.38       9.70       7.44         9.17       6.98       4.40       3.03       2.40       1.83       9.39       6.47       5.12       3.89       17.13																	
3.66         2.85         1.85         1.25         0.96         0.75         3.94         2.66         2.04         1.59         7.19         4.85         3.72         2.90           3.30         2.52         1.69         1.12         0.86         0.66         3.61         2.40         1.84         1.41         6.58         4.37         3.36         2.57           7.98         6.08         4.12         2.72         2.09         1.59         8.79         5.81         4.45         3.39         16.03         10.60         8.12         6.19           7.06         5.34         3.57         2.40         1.85         1.40         7.62         5.12         3.94         2.98         13.90         9.33         7.19         5.44           9.53         7.32         4.79         3.18         2.49         1.91         10.23         6.79         5.31         4.08         18.67         12.38         9.70         7.44           9.17         6.98         4.40         3.03         2.40         1.83         9.39         6.47         5.12         3.89         17.13         11.80         9.33         7.11           8.14         6.27         4.12	4.88	3.75					5.1	2 3.5	0		2.09			6.38			
3.30         2.52         1.69         1.12         0.86         0.66         3.61         2.40         1.84         1.41         6.58         4.37         3.36         2.57           7.98         6.08         4.12         2.72         2.09         1.59         8.79         5.81         4.45         3.39         16.03         10.60         8.12         6.19           7.06         5.34         3.57         2.40         1.85         1.40         7.62         5.12         3.94         2.98         13.90         9.33         7.19         5.44           9.53         7.32         4.79         3.18         2.49         1.91         10.23         6.79         5.31         4.08         18.67         12.38         9.77         7.44           9.17         6.98         4.40         3.03         2.40         1.83         9.39         6.47         5.12         3.89         17.13         11.80         9.33         7.11           8.14         6.27         4.12         2.72         2.13         1.64         8.79         5.81         4.54         3.50         16.03         10.60         8.28         6.38           6.08         4.76         3.09 <td></td> <td>3.43</td> <td>2.20</td> <td>1.51</td> <td>1.17</td> <td>0.90</td> <td>4.7</td> <td>0 3.2</td> <td>2</td> <td>2.50</td> <td>1.91</td> <td></td> <td>8.57</td> <td>5.87</td> <td>4.56</td> <td>3.49</td> <td></td>		3.43	2.20	1.51	1.17	0.90	4.7	0 3.2	2	2.50	1.91		8.57	5.87	4.56	3.49	
7.98         6.08         4.12         2.72         2.09         1.59         8.79         5.81         4.45         3.39         16.03         10.60         8.12         6.19           7.06         5.34         3.57         2.40         1.85         1.40         7.62         5.12         3.94         2.98         13.90         9.33         7.19         5.44           9.53         7.32         4.79         3.18         2.49         1.91         10.23         6.79         5.31         4.08         18.67         12.38         9.70         7.44           9.17         6.98         4.40         3.03         2.40         1.83         9.39         6.47         5.12         3.89         17.13         11.80         9.33         7.11           8.14         6.27         4.12         2.72         2.13         1.64         8.79         5.81         4.54         3.50         16.03         10.60         8.28         6.38           6.08         4.76         3.09         2.09         1.59         1.25         6.59         4.45         3.39         2.66         12.03         8.12         6.19         4.85           5.56         4.22         2.87 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.75</td> <td>3.9</td> <td>4 2.6</td> <td>6</td> <td></td> <td>1.59</td> <td></td> <td></td> <td>4.85</td> <td></td> <td></td> <td></td>						0.75	3.9	4 2.6	6		1.59			4.85			
7.06       5.34       3.57       2.40       1.85       1.40       7.62       5.12       3.94       2.98       13.90       9.33       7.19       5.44         9.53       7.32       4.79       3.18       2.49       1.91       10.23       6.79       5.31       4.08       18.67       12.38       9.70       7.44         9.17       6.98       4.40       3.03       2.40       1.83       9.39       6.47       5.12       3.89       17.13       11.80       9.33       7.11         8.14       6.27       4.12       2.72       2.13       1.64       8.79       5.81       4.54       3.50       16.03       10.60       8.28       6.38         6.08       4.76       3.09       2.09       1.59       1.25       6.59       4.45       3.39       2.66       12.03       8.12       6.19       4.85         5.56       4.22       2.87       1.88       1.45       1.10       6.12       4.01       3.10       2.36       11.17       7.31       5.66       4.30         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57						0.66	3.6	1 2.4	0	1.84			6.58	4.37	3.36		
9.53       7.32       4.79       3.18       2.49       1.91       10.23       6.79       5.31       4.08       18.67       12.38       9.70       7.44         9.17       6.98       4.40       3.03       2.40       1.83       9.39       6.47       5.12       3.89       17.13       11.80       9.33       7.11         8.14       6.27       4.12       2.72       2.13       1.64       8.79       5.81       4.54       3.50       16.03       10.60       8.28       6.38         6.08       4.76       3.09       2.09       1.59       1.25       6.59       4.45       3.39       2.66       12.03       8.12       6.19       4.85         5.56       4.22       2.87       1.88       1.45       1.10       6.12       4.01       3.10       2.36       11.17       7.31       5.66       4.30         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57														10.60			
9.17       6.98       4.40       3.03       2.40       1.83       9.39       6.47       5.12       3.89       17.13       11.80       9.33       7.11         8.14       6.27       4.12       2.72       2.13       1.64       8.79       5.81       4.54       3.50       16.03       10.60       8.28       6.38         6.08       4.76       3.09       2.09       1.59       1.25       6.59       4.45       3.39       2.66       12.03       8.12       6.19       4.85         5.56       4.22       2.87       1.88       1.45       1.10       6.12       4.01       3.10       2.36       11.17       7.31       5.66       4.30         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         5.64       4.30		5.34	3.57	2.40	1.85	1.40	7.6	2 5.1	2	3.94	2.98		13.90	9.33	7.19	5.44	
8.14       6.27       4.12       2.72       2.13       1.64       8.79       5.81       4.54       3.50       16.03       10.60       8.28       6.38         6.08       4.76       3.09       2.09       1.59       1.25       6.59       4.45       3.39       2.66       12.03       8.12       6.19       4.85         5.56       4.22       2.87       1.88       1.45       1.10       6.12       4.01       3.10       2.36       11.17       7.31       5.66       4.30         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         3.99       3.00	9.53	7.32	4.79	3.18	2.49	1.91	10.2	3 6.7	9	5.31	4.08		18.67	12.38	9.70	7.44	
6.08       4.76       3.09       2.09       1.59       1.25       6.59       4.45       3.39       2.66       12.03       8.12       6.19       4.85         5.56       4.22       2.87       1.88       1.45       1.10       6.12       4.01       3.10       2.36       11.17       7.31       5.66       4.30         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         6.27       4.88       <	9.17	6.98	4.40	3.03	2.40	1.83	9.3	9 6.4	7	5.12	3.89		17.13	11.80	9.33	7.11	
5.56       4.22       2.87       1.88       1.45       1.10       6.12       4.01       3.10       2.36       11.17       7.31       5.66       4.30         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37 </td <td></td> <td>6.27</td> <td>4.12</td> <td></td> <td></td> <td>1.64</td> <td>8.7</td> <td>9 5.8</td> <td>1</td> <td>4.54</td> <td>3.50</td> <td></td> <td></td> <td>10.60</td> <td>8.28</td> <td></td> <td></td>		6.27	4.12			1.64	8.7	9 5.8	1	4.54	3.50			10.60	8.28		
9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         4.49       3.43       <	6.08	4.76	3.09	2.09	1.59	1.25	6.5	9 4.4	5	3.39	2.66		12.03	8.12	6.19	4.85	
9.53       8.42       3.38       2.49       2.20       7.22       5.31       4.70       13.16       9.70       8.57         3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         4.49       3.43       2.20       1.51       1.17       0.90       4.70       3.22       2.50       1.91       8.57       5.87       4.56       3.49 <td>5.56</td> <td>4.22</td> <td>2.87</td> <td>7 1.88</td> <td>1.45</td> <td>1.10</td> <td>6.1</td> <td>2 4.0</td> <td>1</td> <td>3.10</td> <td>2.36</td> <td></td> <td>11.17</td> <td>7.31</td> <td>5.66</td> <td>4.30</td> <td></td>	5.56	4.22	2.87	7 1.88	1.45	1.10	6.1	2 4.0	1	3.10	2.36		11.17	7.31	5.66	4.30	
3.30       2.52       1.69       1.12       0.86       0.66       3.61       2.40       1.84       1.41       6.58       4.37       3.36       2.57         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         4.49       3.43       2.20       1.51       1.17       0.90       4.70       3.22       2.50       1.91       8.57       5.87       4.56       3.49         7.98       6.08       4.12       2.72       2.09       1.59       8.79       5.81       4.45       3.39       16.03       <		8.42		3.38	2.49	2.20		7.2	2	5.31	4.70			13.16	9.70		
5.64     4.30     2.87     1.91     1.47     1.12     6.12     4.08     3.14     2.40     11.17     7.44     5.74     4.37       3.99     3.00     2.05     1.33     1.04     0.79     4.37     2.84     2.23     1.68     7.97     5.19     4.06     3.06       6.27     4.88     3.18     2.13     1.64     1.27     6.79     4.54     3.50     2.72     12.38     8.28     6.38     4.96       5.64     4.30     2.87     1.91     1.47     1.12     6.12     4.08     3.14     2.40     11.17     7.44     5.74     4.37       4.49     3.43     2.20     1.51     1.17     0.90     4.70     3.22     2.50     1.91     8.57     5.87     4.56     3.49       7.98     6.08     4.12     2.72     2.09     1.59     8.79     5.81     4.45     3.39     16.03     10.60     8.12     6.19										5.31	4.70						
3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         4.49       3.43       2.20       1.51       1.17       0.90       4.70       3.22       2.50       1.91       8.57       5.87       4.56       3.49         7.98       6.08       4.12       2.72       2.09       1.59       8.79       5.81       4.45       3.39       16.03       10.60       8.12       6.19	3.30	2.52	1.69	1.12	0.86	0.66	3.6	1 2.4	0	1.84	1.41		6.58	4.37	3.36	2.57	
3.99       3.00       2.05       1.33       1.04       0.79       4.37       2.84       2.23       1.68       7.97       5.19       4.06       3.06         6.27       4.88       3.18       2.13       1.64       1.27       6.79       4.54       3.50       2.72       12.38       8.28       6.38       4.96         5.64       4.30       2.87       1.91       1.47       1.12       6.12       4.08       3.14       2.40       11.17       7.44       5.74       4.37         4.49       3.43       2.20       1.51       1.17       0.90       4.70       3.22       2.50       1.91       8.57       5.87       4.56       3.49         7.98       6.08       4.12       2.72       2.09       1.59       8.79       5.81       4.45       3.39       16.03       10.60       8.12       6.19																	
6.27         4.88         3.18         2.13         1.64         1.27         6.79         4.54         3.50         2.72         12.38         8.28         6.38         4.96           5.64         4.30         2.87         1.91         1.47         1.12         6.12         4.08         3.14         2.40         11.17         7.44         5.74         4.37           4.49         3.43         2.20         1.51         1.17         0.90         4.70         3.22         2.50         1.91         8.57         5.87         4.56         3.49           7.98         6.08         4.12         2.72         2.09         1.59         8.79         5.81         4.45         3.39         16.03         10.60         8.12         6.19																	
5.64     4.30     2.87     1.91     1.47     1.12     6.12     4.08     3.14     2.40     11.17     7.44     5.74     4.37       4.49     3.43     2.20     1.51     1.17     0.90     4.70     3.22     2.50     1.91     8.57     5.87     4.56     3.49       7.98     6.08     4.12     2.72     2.09     1.59     8.79     5.81     4.45     3.39     16.03     10.60     8.12     6.19														5.19			
4.49       3.43       2.20       1.51       1.17       0.90       4.70       3.22       2.50       1.91       8.57       5.87       4.56       3.49         7.98       6.08       4.12       2.72       2.09       1.59       8.79       5.81       4.45       3.39       16.03       10.60       8.12       6.19			3.18				6.7	9 4.5	4					8.28	6.38	4.96	
7.98 6.08 4.12 2.72 2.09 1.59 8.79 5.81 4.45 3.39 16.03 10.60 8.12 6.19	5.64	4.30	2.87	1.91	1.47	1.12	6.1	4.0	8	3.14	2.40		11.17	7.44	5.74	4.37	
		3.43					4.7	0 3.2	2	2.50	1.91		8.57	5.87	4.56	3.49	
7.06 5.34 3.57 2.40 1.85 1.40 7.62 5.12 3.94 2.98 13.90 9.33 7.19 5.44			4.12	2.72	2.09	1.59	8.7			4.45	3.39		16.03		8.12		
	7.06	5.34	3.57	2.40	1.85	1.40	7.6	2 5.1	2	3.94	2.98		13.90	9.33	7.19	5.44	

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3.99	3.00	2.05 1.33	1.04	0.79	4.37	2.84	2.23	1.68		7.97	5.19	4.06	3.06
	1	0.71			22.05								
		0.71			22.85								
		7.30			15.58								
		8.03			17.14								
		6.42			13.71								
		6.42			13.71								
		5.35			11.42								
		3.38			28.56								
		5.02			10.71								
		5.18			11.06								
		1.47			24.48								
		8.92			19.04								
		6.98			14.90								
		5.54			11.82								
		5.54			11.82								
		4.59			9.79								
		1.47			24.48								
		8.92			19.04								
		3.21			6.85								
		0.71			22.85								
		4.59			9.79								
		8.03			17.14								
		4.02			8.57								
		4.46			9.52								
		8.03			17.14								
		4.46			9.52								
		3.21			6.85								
	1	1.47			24.48								
		1.91			4.08								
		0.96			2.04								
		2.85			27.42								
		<b>0.96</b>			2.04								
		0.00			2.07								

Third floor		Third floor		Third floor		Third floor
N2A max:	8.9 m	N2B max:	9.43 m	N2C max:	9.43 m	N2D max:
76.75 kN		20.06 kN		42.80 kN		78.11 kN
6 4	1 3 2	_	4 3 2	6	4 3 2	6 4
	kN/m kN/m		kN/m kN/m		n kN/m kN/m	kN/m kN/m
18.78 12.52			7 2.52 1.92	10.47 6.9		19.12 12.74
16.31 10.41		4.26 2.7	2 2.13 1.61	9.09 5.8		16.60 10.60
14.71 9.52		3.84 2.4	9 1.94 1.47	8.20 5.3		14.97 9.69
13.40 8.73			8 1.79 1.34	7.47 4.8		13.64 8.88
11.07 7.36			2 1.48 1.13	6.17 4.2		11.27 7.49
20.83 13.93			4 2.81 2.18	11.61 7.7		21.20 14.18
18.78 12.52			7 2.52 1.92	10.47 6.9		19.12 12.74
17.10 11.75			7 2.39 1.85	9.54 6.5		17.41 11.96
15.70 10.73			1 2.18 1.68	8.75 5.9		15.98 10.92
14.41 9.88			8 2.01 1.54	8.03 5.5		14.66 10.05
12.09 8.15			3 1.64 1.28	6.74 4.5		12.30 8.30
11.07 7.36			2 1.48 1.13	6.17 4.1		11.27 7.49
26.97 17.83			6 3.57 2.72	15.04 9.9		27.45 18.14
23.37 15.70			0 3.16 2.39	13.03 8.7		23.79 15.98
	3 16.31 12.52		4 4.26 3.27	17.51 11.6		31.95 21.20
	5 15.70 11.95		9 4.10 3.12	16.07 11.0		29.33 20.20
26.97 17.83			6 3.64 2.81	15.04 9.9		27.45 18.14
20.23 13.66			7 2.72 2.13	11.28 7.6		20.59 13.90
18.78 12.30			2 2.49 1.89	10.47 6.8		19.12 12.52
	1 16.31 14.41		9 4.26 3.77	12.3		22.54
	1 16.31 14.41		9 4.26 3.77	12.3		22.54
11.07 7.36	5 5.65 4.32	2.89 1.9	2 1.48 1.13	6.17 4.1	10 3.15 2.41	11.27 7.49
18.78 12.52			7 2.52 1.92	10.47 6.9		19.12 12.74
13.40 8.73			8 1.79 1.34	7.47 4.8		13.64 8.88
20.83 13.93			4 2.81 2.18	11.61 7.7		21.20 14.18
18.78 12.52			7 2.52 1.92	10.47 6.9		19.12 12.74
14.41 9.88			8 2.01 1.54	8.03 5.5		14.66 10.05
	3 13.66 10.41		6 3.57 2.72	15.04 9.9		27.45 18.14
23.37 15.70	0 12.09 9.15	6.11 4.1	0 3.16 2.39	13.03 8.7	75 6.74 5.10	23.79 15.98

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13.40	8.73	6.83	5.14	3.50	2.28	1.79	1.34	7.47	4.87	3.81	2.87	13.64	8.88
70.12				18.33				39.10					
47.81				12.50				26.66					
52.59				13.75				29.33					
42.07				11.00				23.46					
42.07				11.00				23.46					
35.06				9.16				19.55					
87.65				22.91				48.88					
32.87				8.59				18.33					
33.93				8.87				18.92					
75.13				19.64				41.90					
58.43				15.27				32.59					
45.73				11.95				25.50					
36.27				9.48				20.23					
36.27				9.48				20.23					
30.05				7.85				16.76					
75.13				19.64				41.90					
58.43				15.27				32.59					
21.04				5.50				11.73					
70.12				18.33				39.10					
30.05				7.85				16.76					
52.59				13.75				29.33					
26.30				6.87				14.66					
29.22				7.64				16.29					
52.59				13.75				29.33					
29.22				7.64				16.29					
21.04				5.50				11.73					
75.13				19.64				41.90					
12.52				3.27				6.98					
6.26				1.64				3.49					
84.14				21.99				46.92					
6.26				1.64				3.49					

		Second floor				Second floor					nd floor			
8.9 r	n	N1A	max:	8.9	m	N1B	max:	9.43 ı	m	N1C		nax:	9.43	m
•	•	109.3		•	•	28.59		2	2		61.01		2	•
3 kN/m l	2 (N/m		6 4 kN/m	3 kN/m			6 4	3 kN/m l	2 (N/m	lcN1/m	6	4 (N/m	3 kN/m	2 kN/m
9.82	7.49	kN/m	7 17.85			kN/m	4.66			kN/m	14.93	9.95	7.67	5.85
8.30	6.26		4 14.84		8.77		7 3.88				12.96	8.28	6.48	4.89
7.56	5.71		7 13.57		8.00		3.55				11.69	7.57	5.91	4.46
6.95	5.23		12.44	9.73	7.33		3.25				10.65	6.94	5.43	4.09
5.76	4.40		3 10.48	8.06	6.16		2 2.74				8.80	5.85	4.50	3.43
10.92	8.50	29.6		15.30			5.19				16.56	11.07	8.53	6.64
9.82	7.49		7 17.85				4.66				14.93	9.95	7.67	5.85
9.31	7.21	24.3			10.10		7 4.38				13.60	9.34	7.27	5.63
8.50	6.53		7 15.30	11.90	9.14		4.00				12.48	8.53	6.64	5.10
7.81	5.98		4 14.08	10.94	8.37		7 3.68				11.45	7.85	6.10	4.67
6.37	4.97	17.2		8.92	6.96	4.50		2.33			9.61	6.48	4.98	3.88
5.76	4.40	15.7		8.06		4.1		2.11			8.80	5.85	4.50	3.43
13.90	10.60	38.4	4 25.41	19.47	14.84	10.0		5.09			21.44	14.17	10.86	8.28
12.30	9.31	33.3	1 22.37	17.23	13.04	8.73	L 5.85	4.50	3.41		18.58	12.48	9.61	7.27
16.60	12.74	44.7	5 29.69	23.24	17.85	11.70	7.76	6.07	4.66		24.96	16.56	12.96	9.95
15.98	12.16	41.0	7 28.29	22.37	17.04	10.73	7.39	5.85	4.45		22.91	15.78	12.48	9.50
14.18	10.92	38.4	4 25.41	19.86	15.30	10.09	6.64	5.19	4.00		21.44	14.17	11.07	8.53
10.60	8.30	28.8	3 19.47	14.84	11.62	7.53	5.09	3.88	3.04		16.08	10.86	8.28	6.48
9.69	7.36	26.7	7 17.53			7.00	4.58	3.55	2.69		14.93	9.78	7.57	5.75
16.60	14.66				20.54			6.07				17.60	12.96	11.45
16.60	14.66			23.24	20.54			6.07					12.96	11.45
5.76	4.40	15.7	8 10.48	8.06	6.16	4.12	2 2.74	2.11	1.61		8.80	5.85	4.50	3.43
9.82	7.49		7 17.85				4.66				14.93	9.95	7.67	5.85
6.95	5.23		12.44	9.73	7.33		3.25				10.65	6.94	5.43	4.09
10.92	8.50	29.6			11.90		5.19				16.56	11.07	8.53	6.64
9.82	7.49		7 17.85				4.66				14.93	9.95	7.67	5.85
7.81	5.98		4 14.08	10.94			7 3.68				11.45	7.85	6.10	4.67
13.90	10.60		4 25.41				6.64				21.44	14.17	10.86	8.28
12.30	9.31	33.3	1 22.37	17.23	13.04	8.7	L 5.85	4.50	3.41		18.58	12.48	9.61	7.27

6.95	5.23 19.10	12.44	9.73	7.33	4.99	3.25	2.54	1.92	10.65	6.94	5.43	4.09
	99.94				26.12				55.74			
	68.14				17.81				38.00			
	74.96				19.59				41.81			
	59.96				15.67				33.44			
	59.96				15.67				33.44			
	49.97				13.06				27.87			
	124.93				32.65				69.68			
	46.85				12.24				26.13			
	48.36				12.64				26.97			
	107.08				27.99				59.72			
	83.28				21.77				46.45			
	65.18				17.04				36.35			
	51.69				13.51				28.83			
	51.69				13.51				28.83			
	42.83				11.19				23.89			
	107.08				27.99				59.72			
	83.28				21.77				46.45			
	29.98				7.84				16.72			
	99.94				26.12				55.74			
	42.83				11.19				23.89			
	74.96				19.59				41.81			
	37.48				9.80				20.90			
	41.64				10.88				23.23			
	74.96				19.59				41.81			
	41.64				10.88				23.23			
	29.98				7.84				16.72			
	107.08				27.99				59.72			
	17.85				4.66				9.95			
	8.92				2.33				4.98			
	119.93				31.34				66.89			
	8.92				2.33				4.98			

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Second floor

N1D max: 8.9 m

111.33 kN

	111.33	kN		
	6	4	3	2
kN/m		kN/m	kN/m	kN/m
	27.24	18.16	14.00	10.67
	23.65	15.11	11.83	8.92
	21.34	13.81	10.78	8.14
	19.44	12.66	9.91	7.46
	16.06			
	30.21	20.21		
	27.24			
	24.81			
	22.77			
	20.90			
	17.54	11.83	9.08	
	16.06	10.67		
	39.12			
	33.90		17.54	
	45.54		23.65	
	41.80			
	39.12	25.86		
	29.34		15.11	
	27.24	17.84		
		32.12		
		32.12		
	16.06	10.67	8.20	6.27
	27.24	18.16	14.00	
	19.44	12.66	9.91	7.46
	30.21	20.21	15.57	12.11
	27.24	18.16	14.00	10.67
	20.90	14.33	11.14	8.52
	39.12	25.86	19.81	15.11
	33.90	22.77	17.54	13.27

19.44 12.66 9.91 7.46

Nominal unit s	shear capa Wind	cities				0.01							Roof S3A	max:
	l-based pa	nels (4.3	Α)						Factor	ed value	s (ASD)		54.95	
11004	6	4		2	6	4	. 3	2	6		` '	2	6	
	_	lf .	_	plf	-	_	kN/m		-	kN/m	_		kN/m	
	560	840	=	1430			15.91		4.09			10.43	13.45	
	645	1010	1290	1710	9.41	14.74	18.83	24.96	4.71	7.37	9.41	12.48	11.68	
	715	1105	1415	1875	10.43	16.13	20.65	27.36	5.22	8.06	10.33	13.68	10.53	6.81
	785	1205	1540	2045	11.46	17.59	22.47	29.84	5.73	8.79	11.24	14.92	9.59	6.25
	950	1430	1860	2435	13.86	20.87	27.14	35.54	6.93	10.43	13.57	17.77	7.93	5.27
	505	755	980	1260	7.37	11.02	14.30	18.39	3.68	5.51	7.15	9.19	14.91	9.97
	560	840	1090	1430	8.17	12.26	15.91	20.87	4.09	6.13	7.95	10.43	13.45	8.96
	615	895	1150	1485	8.98	13.06	16.78	21.67	4.49	6.53	8.39	10.84	12.24	8.41
	670	980	1260	1640	9.78	14.30	18.39	23.93	4.89	7.15	9.19	11.97	11.24	7.68
	730	1065	1370	1790	10.65	15.54	19.99	26.12	5.33	7.77	10.00	13.06	10.32	7.07
	870	1290	1680	2155	12.70		24.52		6.35	9.41		15.72	8.66	
	950	1430		2435	13.86		27.14		6.93			17.77	7.93	
	390	590		1010	5.69		11.24		2.85				19.31	
	450	670	870	1150	6.57	9.78	12.70		3.28	4.89	6.35	8.39		11.24
	335	505	645	840	4.89			12.26	2.44			6.13	22.48	
	365	530		880	5.33			12.84	2.66			6.42		14.21
	390	590		980	5.69		11.02		2.85			7.15		12.76
	520	770		1290	7.59		14.74		3.79			9.41	14.48	
	560	855	1105	1455	8.17	12.48		21.23	4.09	6.24	8.06		13.45	
		475		730		6.93		10.65		3.47		5.33		15.85
		475	645	730		6.93	9.41	10.65		3.47		5.33		15.85
									6.93	10.43	13.57	17.77	7.93	5.27
Wood sh	heathing f	amilies (	-											
	6	4	•	2	6	-	•	2						
		lf	-	plf			kN/m							
	560.00	840.00	•				15.91		4.09			10.43	13.45	
		1,205.00		2,045.00	11.46		22.47		5.73				9.59	6.25
	505.00	755.00		1,260.00			14.30		3.68			9.19	14.91	9.97
	560.00	840.00		1,430.00	8.17		15.91		4.09			10.43	13.45	
		1,065.00		1,790.00	10.65		19.99		5.33				10.32	
	390.00	590.00		1,010.00	5.69		11.24		2.85			7.37	19.31	
	450.00	670.00	870.00	1,150.00	6.57	9.78	12.70	16.78	3.28	4.89	6.35	8.39	16.73	11.24

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					5.73	8.79 11.24	14.92	9.59 6	6.25
Gypsum shea	thing fam	ilies (4.3	3C)						
plf	kN/ft		-						
		0.67	2.19	0.01	1.09		50	0.20	
		0.98	3.21		1.61			1.23	
		0.89	2.92		1.46			7.65	
		1.11	3.65		1.82			).12	
		1.11	3.65		1.82			).12	
	300	1.33	4.38		2.19		25	5.10	
	120	0.53	1.75		0.88		62	2.75	
	320	1.42	4.67		2.34		23	3.53	
	310	1.38	4.52		2.26		24	1.29	
	140	0.62	2.04		1.02		53	3.79	
	180	0.80	2.63		1.31		41	L.84	
	230	1.02	3.36		1.68		32	2.74	
	290	1.29	4.23		2.12		25	5.97	
	290	1.29	4.23		2.12		25	5.97	
		1.56	5.11		2.55			L.52	
		0.62	2.04		1.02			3.79	
		0.80	2.63		1.31			L.84	
	500	2.22	7.30		3.65			5.06	
		0.67	2.19		1.09			0.20	
		1.56	5.11		2.55			L.52	
		0.89	2.92		1.46			7.65	
		1.78	5.84		2.92			3.83	
		1.60	5.25		2.63			0.92	
		0.89	2.92		1.46			7.65	
	360	1.60	5.25		2.63			).92	
					3.65		15	5.06	
Lumber s			_						
plf	kN/ft								
		0.62	2.04		1.02			3.79	
	840	3.74	12.26		6.13			3.96	
		7.47	24.52		12.26			1.48	
	125	0.56	1.82		0.91			).24	
					12.26		4	1.48	

		Third floor				Seco	nd floor			
9.2 r	n	S2A ı	max:	9.2 ו	m	S1A	1	max:	8.454	m
		98.51	kN				143.06			
3	2	6	4	3	2		6	4	3	2
kN/m k	κN/m	kN/m	kN/m	kN/m	kN/m	kN/m	1	kN/m	kN/m	kN/m
6.91	5.27	24.11	16.07	12.39	9.44		35.01	23.34	17.99	13.71
5.84	4.40	20.93	13.37	10.47	7.89		30.40	19.41	15.20	11.47
5.32	4.02	18.88	12.22	9.54	7.20		27.42	17.74	13.86	10.46
4.89	3.68	17.20	11.20	8.77	6.60		24.98	16.27	12.73	9.59
4.05	3.09	14.21	9.44	7.26	5.54		20.64	13.71	10.54	8.05
7.68	5.98	26.73	17.88	13.78	10.71		38.82	25.97	20.01	15.56
6.91	5.27	24.11	16.07	12.39	9.44		35.01	23.34	17.99	13.71
6.55	5.07	21.95	15.08	11.74	9.09		31.88		17.05	13.20
5.98	4.59	20.15	13.78	10.71	8.23		29.26	20.01	15.56	11.95
5.50	4.21	18.49	12.68	9.85	7.54		26.86	18.41		10.95
4.48	3.49	15.52	10.47	8.04	6.26		22.54	15.20	11.67	9.10
4.05	3.09	14.21	9.44		5.54		20.64	13.71	10.54	8.05
9.78	7.46		22.88		13.37		50.27		25.46	19.41
8.66	6.55	30.00	20.15	15.52	11.74		43.57	29.26	22.54	17.05
11.68	8.96	40.30	26.73	20.93	16.07		58.52	38.82	30.40	23.34
11.24	8.56	36.99	25.47		15.34		53.71	36.99	29.26	22.28
9.97	7.68	34.62	22.88	17.88	13.78		50.27	33.23	25.97	20.01
7.46	5.84	25.96	17.53	13.37	10.47		37.70	25.46	19.41	15.20
6.81	5.18	24.11	15.79	12.22	9.28		35.01	22.93	17.74	13.47
11.68	10.32		28.42	20.93	18.49			41.27	30.40	26.86
11.68	10.32		28.42	20.93	18.49			41.27	30.40	26.86
4.05	3.09	14.21	9.44	7.26	5.54		20.64	13.71	10.54	8.05
6.91	5.27	24.11	16.07	12.39	9.44		35.01	23.34	17.99	13.71
4.89	3.68	17.20	11.20	8.77	6.60		24.98		12.73	9.59
7.68	5.98	26.73	17.88	13.78	10.71		38.82		20.01	15.56
6.91	5.27	24.11	16.07	12.39	9.44			23.34	17.99	13.71
5.50	4.21	18.49	12.68	9.85	7.54		26.86		14.31	10.95
9.78	7.46		22.88	17.53	13.37		50.27	33.23	25.46	19.41
8.66	6.55		20.15		11.74		43.57			17.05
0.00	2.00	23.00	_55				. 5.51	_00		

4.89	3.68	17.20	11.20	8.77	6.60	24.98	16.27	12.73	9.59
		90.00				130.70			
		61.36				89.12			
		67.50				98.03			
		54.00				78.42			
		54.00				78.42			
		45.00				65.35			
		112.50				163.38			
		42.19				61.27			
		43.55				63.24			
		96.43				140.04			
		75.00				108.92			
		58.70				85.24			
		46.55				67.61			
		46.55				67.61			
		38.57				56.02			
		96.43				140.04			
		75.00				108.92			
		27.00				39.21			
		90.00				130.70			
		38.57				56.02			
		67.50				98.03			
		33.75				49.01			
		37.50				54.46			
		67.50				98.03			
		37.50				54.46			
		27.00				39.21			
		96.43				140.04			
		16.07				23.34			
		8.04				11.67			
		108.00				156.84			
		8.04				11.67			

Nominal unit sh	hear capa	cities				0.01							Roof	
,	Wind												E3A	max:
Wood-	-based pa	anels (4.3 <i>i</i>	4)						Factore	ed value	s (ASD)		68.76	kN
	6	4	3	2	6	4	3	2	6	4	3	2	6	4
ı	plf p	olf i	plf	plf	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m
	560	840	1090	1430	8.17	12.26	15.91	20.87	4.09	6.13	7.95	10.43	16.83	11.22
	645	1010	1290	1710	9.41	14.74	18.83	24.96	4.71	7.37	9.41	12.48	14.61	9.33
	715	1105	1415	1875	10.43	16.13	20.65	27.36	5.22	8.06	10.33	13.68	13.18	8.53
	785	1205	1540	2045	11.46	17.59	22.47	29.84	5.73	8.79	11.24	14.92	12.00	7.82
	950	1430	1860	2435	13.86	20.87	27.14	35.54	6.93	10.43	13.57	17.77	9.92	6.59
	505	755	980	1260	7.37	11.02	14.30	18.39	3.68	5.51	7.15	9.19	18.66	12.48
	560	840	1090	1430	8.17	12.26	15.91	20.87	4.09	6.13	7.95	10.43	16.83	11.22
	615	895	1150	1485	8.98	13.06	16.78	21.67	4.49	6.53	8.39	10.84	15.32	10.53
	670	980	1260	1640	9.78	14.30	18.39	23.93	4.89	7.15	9.19	11.97	14.06	9.62
	730	1065	1370	1790	10.65	15.54	19.99	26.12	5.33	7.77	10.00	13.06	12.91	8.85
	870	1290	1680	2155	12.70			31.45	6.35		12.26		10.83	
	950	1430	1860	2435	13.86	20.87	27.14	35.54	6.93	10.43	13.57	17.77	9.92	6.59
_	390	590	770	1010	5.69	8.61	11.24	14.74	2.85	4.31	5.62	7.37	24.16	15.97
	450	670	870	1150	6.57	9.78	12.70	16.78	3.28	4.89	6.35	8.39	20.94	14.06
	335	505	645	840	4.89	7.37	9.41	12.26	2.44	3.68	4.71	6.13	28.13	18.66
	365	530	670	880	5.33	7.73	9.78	12.84	2.66	3.87	4.89	6.42	25.82	17.78
	390	590	755	980	5.69	8.61	11.02	14.30	2.85	4.31	5.51	7.15	24.16	15.97
	520	770	1010	1290	7.59	11.24	14.74	18.83	3.79	5.62	7.37	9.41	18.12	12.24
	560	855	1105	1455	8.17	12.48	16.13	21.23	4.09	6.24	8.06	10.62	16.83	11.02
		475	645	730		6.93	9.41	10.65		3.47	4.71	5.33		19.84
		475	645	730		6.93	9.41	10.65		3.47	4.71	5.33		19.84
									6.93	10.43	13.57	17.77	9.92	6.59
Wood sh	eathing f	families (4	.3B)											
	6	4	3	2	6	-	_							
i	plf p	-		plf		kN/m								
	560.00		1,090.00	1,430.00		12.26			4.09			10.43		11.22
	785.00	1,205.00	1,540.00	2,045.00		17.59			5.73	8.79	11.24	14.92	12.00	7.82
_	505.00	755.00	980.00	1,260.00	7.37	11.02			3.68	5.51	7.15			12.48
	560.00	840.00		1,430.00	8.17			20.87	4.09		7.95			11.22
	730.00	1,065.00		1,790.00	10.65		19.99		5.33		10.00	13.06	12.91	8.85
	390.00	590.00	770.00	1,010.00	5.69			14.74	2.85		5.62		24.16	15.97
	450.00	670.00	870.00	1,150.00	6.57	9.78	12.70	16.78	3.28	4.89	6.35	8.39	20.94	14.06

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							5.73	8.79	11.24	14.92	12.00	7.82
Gypsum shea	athing far	nilies (4.	3C)									
plf	kN/f		/m									
	150	0.67	2.19	0.01			1.09				62.82	
	220	0.98	3.21				1.61				42.83	
	200	0.89	2.92				1.46				47.12	
	250	1.11	3.65				1.82				37.69	
	250	1.11	3.65				1.82				37.69	
	300	1.33	4.38				2.19				31.41	
	120	0.53	1.75				0.88				78.53	
	320	1.42	4.67				2.34				29.45	
	310	1.38	4.52				2.26				30.40	
	140	0.62	2.04				1.02				67.31	
	180	0.80	2.63				1.31				52.35	
	230	1.02	3.36				1.68				40.97	
	290	1.29	4.23				2.12				32.49	
	290	1.29	4.23				2.12				32.49	
	350	1.56	5.11				2.55				26.92	
	140	0.62	2.04				1.02				67.31	
	180	0.80	2.63				1.31				52.35	
	500	2.22	7.30				3.65				18.85	
	150	0.67	2.19				1.09				62.82	
	350	1.56	5.11				2.55				26.92	
	200	0.89	2.92				1.46				47.12	
	400	1.78	5.84				2.92				23.56	
	360	1.60	5.25				2.63				26.18	
	200	0.89	2.92				1.46				47.12	
	360	1.60	5.25				2.63				26.18	
							3.65				18.85	
Lumber s			_									
plf	kN/f		l/m									
	140	0.62	2.04				1.02				67.31	
	840	3.74	12.26				6.13				11.22	
-	1680	7.47	24.52			:	12.26				5.61	
	125	0.56	1.82				0.91				75.39	
						;	12.26				5.61	

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\$\begin{array}{ c c c c c c c c c c c c c c c c c c c	
No.   No.	9.2 m
kN/m         kN/m <th< td=""><td></td></th<>	
8.65         6.59         5.27         3.51         2.71         2.06         14.53         9.69         7.47         5.69         28.80         19.20         14.73         7.31         5.51         4.58         2.92         2.29         1.73         12.62         8.06         6.31         4.76         25.01         15.97         12.66         6.63         4.76         25.01         15.97         12.66         6.61         3.03         4.13         2.67         2.09         1.57         11.38         7.37         5.75         4.34         22.56         14.60         11.60         11.69         11.20         6.15         4.61         3.76         2.45         1.92         1.44         10.37         6.75         5.28         3.98         20.55         13.39         10.         5.07         3.87         3.11         2.06         1.59         1.21         8.57         5.69         4.38         3.34         16.98         11.28         8.8         9.62         7.48         5.84         3.91         3.01         2.34         16.12         10.78         8.30         6.46         31.94         21.36         16.         8.65         6.59         5.27         3.51         2.71         2.06 <t< th=""><th>3 2</th></t<>	3 2
7.31         5.51         4.58         2.92         2.29         1.73         12.62         8.06         6.31         4.76         25.01         15.97         12.66.66         5.03         4.13         2.67         2.09         1.57         11.38         7.37         5.75         4.34         22.56         14.60         11.61         6.12         4.61         3.76         2.45         1.92         1.44         10.37         6.75         5.28         3.98         20.55         13.39         10.           5.07         3.87         3.11         2.06         1.59         1.21         8.57         5.69         4.38         3.34         16.98         11.28         8.           9.62         7.48         5.84         3.91         3.01         2.34         16.12         10.78         8.30         6.46         31.94         21.23         16.12         10.78         8.30         6.46         31.94         21.23         16.12         10.78         8.30         6.46         31.94         21.23         11.20         14.23         9.69         7.47         5.69         28.80         19.20         14.         14.24         10.78         8.30         6.46         4.96         24.07	kN/m kN/m
6.66       5.03       4.13       2.67       2.09       1.57       11.38       7.37       5.75       4.34       22.56       14.60       11.60       11.61       6.12       4.61       3.76       2.45       1.92       1.44       10.37       6.75       5.28       3.98       20.55       13.39       10.50	
6.12       4.61       3.76       2.45       1.92       1.44       10.37       6.75       5.28       3.98       20.55       13.39       10.50         5.07       3.87       3.11       2.06       1.59       1.21       8.57       5.69       4.38       3.34       16.98       11.28       8.         9.62       7.48       5.84       3.91       3.01       2.34       16.12       10.78       8.30       6.46       31.94       21.36       16.         8.65       6.59       5.27       3.51       2.71       2.06       14.53       9.69       7.47       5.69       28.80       19.20       14.         8.19       6.35       4.80       3.30       2.57       1.99       13.23       9.09       7.08       5.48       26.23       18.02       14.         7.48       5.75       4.40       3.01       2.34       1.80       12.15       8.30       6.46       4.96       24.07       16.46       12.         6.88       5.26       4.04       2.77       2.15       1.65       11.15       7.64       5.94       4.55       22.10       15.14       11.         5.07       3.87       3.11 <td></td>	
5.07       3.87       3.11       2.06       1.59       1.21       8.57       5.69       4.38       3.34       16.98       11.28       8.962       7.48       5.84       3.91       3.01       2.34       16.12       10.78       8.30       6.46       31.94       21.36       16.88       16.86       6.59       5.27       3.51       2.71       2.06       14.53       9.69       7.47       5.69       28.80       19.20       14.80       8.19       6.35       4.80       3.30       2.57       1.99       13.23       9.09       7.08       5.48       26.23       18.02       14.74       18.02       14.74       18.02       14.74       18.02       14.74       18.02       14.74       18.02       14.02       14.02       14.02       14.02       14.02       14.02       14.02       14.02       11.15       7.64       5.94       4.55       22.10       15.14       11.15       15.61       14.37       3.39       2.29       1.76       1.37       9.35       6.31       4.84       3.78       18.54       12.50       9.         5.07       3.87       3.11       2.06       1.59       1.21       8.57       5.69       4.38       3.34	
9.62       7.48       5.84       3.91       3.01       2.34       16.12       10.78       8.30       6.46       31.94       21.36       16.86       6.59       5.27       3.51       2.71       2.06       14.53       9.69       7.47       5.69       28.80       19.20       14.81       8.19       6.35       4.80       3.30       2.57       1.99       13.23       9.09       7.08       5.48       26.23       18.02       14.71       7.48       5.75       4.40       3.01       2.34       1.80       12.15       8.30       6.46       4.96       24.07       16.46       12.66       12.62       4.96       24.07       16.46       12.66       12.40       16.40       12.77       2.15       1.65       11.15       7.64       5.94       4.55       22.10       15.14       11.15       7.64       5.94       4.55       22.10       15.14       11.15       7.64       5.94       4.55       22.10       15.14       11.15       7.64       5.94       4.55       22.10       15.14       11.15       7.64       5.94       4.55       22.10       15.14       11.15       7.64       5.94       4.55       3.21       12.10       8.20       18.20	
8.65       6.59       5.27       3.51       2.71       2.06       14.53       9.69       7.47       5.69       28.80       19.20       14.81         8.19       6.35       4.80       3.30       2.57       1.99       13.23       9.09       7.08       5.48       26.23       18.02       14.71         7.48       5.75       4.40       3.01       2.34       1.80       12.15       8.30       6.46       4.96       24.07       16.46       12.66       16.46       12.66       12.15       8.30       6.46       4.96       24.07       16.46       12.66       12.47       16.46       12.66       12.47       16.46       12.67       16.46       12.67       16.46       12.67       16.46       12.67       16.46       12.67       16.46       12.67       16.46       12.67       19.47       14.46       12.67       14.48       3.78       18.54       12.50       9.88       12.15       18.53       12.50       9.89       18.54       12.50       9.89       12.15       18.54       12.50       9.89       14.36       12.18       12.18       12.18       12.18       12.18       12.18       12.18       12.18       12.18       12.18	8.67 6.62
8.19       6.35       4.80       3.30       2.57       1.99       13.23       9.09       7.08       5.48       26.23       18.02       14.74       18.05       14.04       3.01       2.34       1.80       12.15       8.30       6.46       4.96       24.07       16.46       12.6       16.88       5.26       4.04       2.77       2.15       1.65       11.15       7.64       5.94       4.55       22.10       15.14       11.15       5.61       4.37       3.39       2.29       1.76       1.37       9.35       6.31       4.84       3.78       18.54       12.50       9.         5.07       3.87       3.11       2.06       1.59       1.21       8.57       5.69       4.38       3.34       16.98       11.28       8.         12.24       9.33       7.57       5.00       3.83       2.92       20.87       13.79       10.57       8.06       41.36       27.34       20.         10.83       8.19       6.56       4.40       3.39       2.57       18.09       12.15       9.35       7.08       35.84       24.07       18.         14.61       11.22       8.81       5.84       4.58       3.51	
7.48       5.75       4.40       3.01       2.34       1.80       12.15       8.30       6.46       4.96       24.07       16.46       12.6         6.88       5.26       4.04       2.77       2.15       1.65       11.15       7.64       5.94       4.55       22.10       15.14       11.         5.61       4.37       3.39       2.29       1.76       1.37       9.35       6.31       4.84       3.78       18.54       12.50       9.         5.07       3.87       3.11       2.06       1.59       1.21       8.57       5.69       4.38       3.34       16.98       11.28       8.         12.24       9.33       7.57       5.00       3.83       2.92       20.87       13.79       10.57       8.06       41.36       27.34       20.         10.83       8.19       6.56       4.40       3.39       2.57       18.09       12.15       9.35       7.08       35.84       24.07       18.         14.61       11.22       8.81       5.84       4.58       3.51       24.29       16.12       12.62       9.69       48.15       31.94       25.         14.06       10.71	
6.88       5.26       4.04       2.77       2.15       1.65       11.15       7.64       5.94       4.55       22.10       15.14       11.5         5.61       4.37       3.39       2.29       1.76       1.37       9.35       6.31       4.84       3.78       18.54       12.50       9.         5.07       3.87       3.11       2.06       1.59       1.21       8.57       5.69       4.38       3.34       16.98       11.28       8.         12.24       9.33       7.57       5.00       3.83       2.92       20.87       13.79       10.57       8.06       41.36       27.34       20.         10.83       8.19       6.56       4.40       3.39       2.57       18.09       12.15       9.35       7.08       35.84       24.07       18.         14.61       11.22       8.81       5.84       4.58       3.51       24.29       16.12       12.62       9.69       48.15       31.94       25.         14.06       10.71       8.09       5.57       4.40       3.35       22.30       15.36       12.15       9.25       44.19       30.43       24.         12.48       9.62       <	
5.61         4.37         3.39         2.29         1.76         1.37         9.35         6.31         4.84         3.78         18.54         12.50         9.           5.07         3.87         3.11         2.06         1.59         1.21         8.57         5.69         4.38         3.34         16.98         11.28         8.           12.24         9.33         7.57         5.00         3.83         2.92         20.87         13.79         10.57         8.06         41.36         27.34         20.           10.83         8.19         6.56         4.40         3.39         2.57         18.09         12.15         9.35         7.08         35.84         24.07         18.           14.61         11.22         8.81         5.84         4.58         3.51         24.29         16.12         12.62         9.69         48.15         31.94         25.           14.06         10.71         8.09         5.57         4.40         3.35         22.30         15.36         12.15         9.25         44.19         30.43         24.           12.48         9.62         7.57         5.00         3.91         3.01         20.87         13.79	
5.07       3.87       3.11       2.06       1.59       1.21       8.57       5.69       4.38       3.34       16.98       11.28       8.         12.24       9.33       7.57       5.00       3.83       2.92       20.87       13.79       10.57       8.06       41.36       27.34       20.         10.83       8.19       6.56       4.40       3.39       2.57       18.09       12.15       9.35       7.08       35.84       24.07       18.         14.61       11.22       8.81       5.84       4.58       3.51       24.29       16.12       12.62       9.69       48.15       31.94       25.         14.06       10.71       8.09       5.57       4.40       3.35       22.30       15.36       12.15       9.25       44.19       30.43       24.         12.48       9.62       7.57       5.00       3.91       3.01       20.87       13.79       10.78       8.30       41.36       27.34       21.         9.33       7.31       5.68       3.83       2.92       2.29       15.65       10.57       8.06       6.31       31.02       20.95       15.         8.53       6.48	
12.24       9.33       7.57       5.00       3.83       2.92       20.87       13.79       10.57       8.06       41.36       27.34       20.         10.83       8.19       6.56       4.40       3.39       2.57       18.09       12.15       9.35       7.08       35.84       24.07       18.         14.61       11.22       8.81       5.84       4.58       3.51       24.29       16.12       12.62       9.69       48.15       31.94       25.         14.06       10.71       8.09       5.57       4.40       3.35       22.30       15.36       12.15       9.25       44.19       30.43       24.         12.48       9.62       7.57       5.00       3.91       3.01       20.87       13.79       10.78       8.30       41.36       27.34       21.         9.33       7.31       5.68       3.83       2.92       2.29       15.65       10.57       8.06       6.31       31.02       20.95       15.         8.53       6.48       5.27       3.45       2.67       2.03       14.53       9.52       7.37       5.59       28.80       18.86       14.         14.61       12.91	9.60 7.48
10.83       8.19       6.56       4.40       3.39       2.57       18.09       12.15       9.35       7.08       35.84       24.07       18.         14.61       11.22       8.81       5.84       4.58       3.51       24.29       16.12       12.62       9.69       48.15       31.94       25.         14.06       10.71       8.09       5.57       4.40       3.35       22.30       15.36       12.15       9.25       44.19       30.43       24.         12.48       9.62       7.57       5.00       3.91       3.01       20.87       13.79       10.78       8.30       41.36       27.34       21.         9.33       7.31       5.68       3.83       2.92       2.29       15.65       10.57       8.06       6.31       31.02       20.95       15.         8.53       6.48       5.27       3.45       2.67       2.03       14.53       9.52       7.37       5.59       28.80       18.86       14.         14.61       12.91       6.21       4.58       4.04       17.13       12.62       11.15       33.96       25.         14.61       12.91       6.21       4.58       4.04	
14.61       11.22       8.81       5.84       4.58       3.51       24.29       16.12       12.62       9.69       48.15       31.94       25.         14.06       10.71       8.09       5.57       4.40       3.35       22.30       15.36       12.15       9.25       44.19       30.43       24.         12.48       9.62       7.57       5.00       3.91       3.01       20.87       13.79       10.78       8.30       41.36       27.34       21.         9.33       7.31       5.68       3.83       2.92       2.29       15.65       10.57       8.06       6.31       31.02       20.95       15.         8.53       6.48       5.27       3.45       2.67       2.03       14.53       9.52       7.37       5.59       28.80       18.86       14.         14.61       12.91       6.21       4.58       4.04       17.13       12.62       11.15       33.96       25.         14.61       12.91       6.21       4.58       4.04       17.13       12.62       11.15       33.96       25.	
14.06       10.71       8.09       5.57       4.40       3.35       22.30       15.36       12.15       9.25       44.19       30.43       24.         12.48       9.62       7.57       5.00       3.91       3.01       20.87       13.79       10.78       8.30       41.36       27.34       21.         9.33       7.31       5.68       3.83       2.92       2.29       15.65       10.57       8.06       6.31       31.02       20.95       15.         8.53       6.48       5.27       3.45       2.67       2.03       14.53       9.52       7.37       5.59       28.80       18.86       14.         14.61       12.91       6.21       4.58       4.04       17.13       12.62       11.15       33.96       25.         14.61       12.91       6.21       4.58       4.04       17.13       12.62       11.15       33.96       25.	
12.48       9.62       7.57       5.00       3.91       3.01       20.87       13.79       10.78       8.30       41.36       27.34       21.         9.33       7.31       5.68       3.83       2.92       2.29       15.65       10.57       8.06       6.31       31.02       20.95       15.         8.53       6.48       5.27       3.45       2.67       2.03       14.53       9.52       7.37       5.59       28.80       18.86       14.         14.61       12.91       6.21       4.58       4.04       17.13       12.62       11.15       33.96       25.         14.61       12.91       6.21       4.58       4.04       17.13       12.62       11.15       33.96       25.	
9.33       7.31       5.68       3.83       2.92       2.29       15.65       10.57       8.06       6.31       31.02       20.95       15.83         8.53       6.48       5.27       3.45       2.67       2.03       14.53       9.52       7.37       5.59       28.80       18.86       14.51         14.61       12.91       6.21       4.58       4.04       17.13       12.62       11.15       33.96       25.         14.61       12.91       6.21       4.58       4.04       17.13       12.62       11.15       33.96       25.	
8.53     6.48     5.27     3.45     2.67     2.03     14.53     9.52     7.37     5.59     28.80     18.86     14.       14.61     12.91     6.21     4.58     4.04     17.13     12.62     11.15     33.96     25.       14.61     12.91     6.21     4.58     4.04     17.13     12.62     11.15     33.96     25.	
14.61     12.91     6.21     4.58     4.04     17.13     12.62     11.15     33.96     25.       14.61     12.91     6.21     4.58     4.04     17.13     12.62     11.15     33.96     25.	
14.61 12.91 6.21 4.58 4.04 17.13 12.62 11.15 33.96 25.	
	25.01 22.10
5.07     3.87     3.11     2.06     1.59     1.21     8.57     5.69     4.38     3.34     16.98     11.28     8.	25.01 22.10
	8.67 6.62
8.65 6.59 5.27 3.51 2.71 2.06 14.53 9.69 7.47 5.69 28.80 19.20 14.	
6.12 4.61 3.76 2.45 1.92 1.44 10.37 6.75 5.28 3.98 20.55 13.39 10.	
9.62     7.48       5.84     3.91       3.01     2.34       16.12     10.78       8.30     6.46       31.94     21.36       16.12     10.78	
	14.80 11.28
6.88 5.26 4.04 2.77 2.15 1.65 11.15 7.64 5.94 4.55 22.10 15.14 11.	
12.24 9.33 7.57 5.00 3.83 2.92 20.87 13.79 10.57 8.06 41.36 27.34 20.	
10.83 8.19 6.56 4.40 3.39 2.57 18.09 12.15 9.35 7.08 35.84 24.07 18.	

						easi						
6.12	4.61 3.76	2.45	1.92	1.44	10.37	6.75	5.28	3.98	20.55	13.39	10.47	7.89
	19.68	3			54.26				107.53			
	13.42				36.99				73.32			
	14.76				40.69				80.65			
	11.81				32.56				64.52			
	11.81				32.56				64.52			
	9.84				27.13				53.76			
	24.59				67.82				134.41			
	9.22				25.43				50.40			
	9.52				26.25				52.03			
	21.08	3			58.13				115.21			
	16.40				45.22				89.61			
	12.83	3			35.39				70.13			
	10.18	3			28.06				55.62			
	10.18	}			28.06				55.62			
	8.43	3			23.25				46.08			
	21.08				58.13				115.21			
	16.40	)			45.22				89.61			
	5.90				16.28				32.26			
	19.68				54.26				107.53			
	8.43				23.25				46.08			
	14.76				40.69				80.65			
	7.38				20.35				40.32			
	8.20				22.61				44.80			
	14.76				40.69				80.65			
	8.20				22.61				44.80			
	5.90	)			16.28				32.26			
	21.08				58.13				115.21			
	3.51				9.69				19.20			
	1.76				4.84				9.60			
	23.61				65.11				129.03			
	1.76	6			4.84				9.60			

Page 31

Third floor				Third floo	r				nd floor				Second flo	or		
	max:	9.2 ו	m	E2C	max:	5.95	m	E1A		max:	6.2	m	E1B	ma	X:	9.2
36.86				101.					118.86				8	3.09		
6	4	3	2		_	4 3			6	4	3	2		6	4	3
	kN/m l			kN/m		kN/m		kN/m		kN/m			kN/m			N/m
9.02		4.63				8 12.78				19.39				1.98 1.		
7.83		3.92				9 10.80				16.13		9.53		1.72 1.		
7.07		3.57			48 12.6					14.74		8.69		1.55 1.		
6.44		3.28			75 11.5					13.52		7.97		1.41 0.		
5.32		2.72		14.			-			11.39	8.76	6.69		1.17 0.		
10.00		5.15				5 14.21				21.58		12.93		2.20 1.		
9.02		4.63				8 12.78				19.39	14.94			1.98 1.		
8.21		4.39				6 12.11	9.38				14.16			1.80 1.		
7.54		4.01				1 11.06	8.49			16.62		9.93		1.65 1.		
6.92		3.69				8 10.17	7.78			15.30		9.10		1.52 1.		
5.81		3.01			01 10.8					12.63	9.70			1.27 0.		
5.32		2.72		14.						11.39	8.76			1.17 0.		
12.95		6.56				1 18.09				27.61				2.84 1.		
11.23		5.81				9 16.01				24.31				2.46 1.		
15.08	10.00					9 21.60				32.26				3.31 2.		
13.84		7.54				8 20.79				30.74				3.04 2.		
12.95		6.69				1 18.45				27.61				2.84 1.		
9.71		5.00				9 13.79				21.16				2.13 1.		
9.02	5.91			24.		9 12.61			29.09	19.05			-	1.98 1.		
	10.63					3 21.60					25.26					1.72
	10.63					3 21.60				34.29	25.26					1.72
5.32	3.53	2.72	2.07	14.	66 9.7	4 7.49	5.72		17.15	11.39	8.76	6.69	:	1.17 0.	.78	0.60
9.02	6.01	4.63	3.53	24.	38 16.5	8 12.78	9.74			19.39		11.39	:	1.98 1.	.32	1.02
6.44	4.19	3.28	2.47	17.	75 11.5	6 9.05	6.81			13.52	10.58	7.97	:	1.41 0.	.92	0.72
10.00	6.69	5.15	4.01	27.	59 18.4	5 14.21	11.06		32.26	21.58	16.62	12.93		2.20 1.	.47	1.13
9.02	6.01	4.63	3.53	24.	38 16.5	8 12.78	9.74		29.09	19.39	14.94	11.39		1.98 1.	.32	1.02
6.92	4.74	3.69	2.82	19.	08 13.0	8 10.17	7.78		22.31	15.30	11.89	9.10		1.52 1.	.04	0.81
12.95	8.56	6.56	5.00	35.	72 23.6	1 18.09	13.79		41.77	27.61	21.16	16.13	;	2.84 1.	.88	1.44
11.23	7.54	5.81	4.39	30.	96 20.7	9 16.01	12.11		36.20	24.31	18.72	14.16	:	2.46 1.	.65	1.27

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6.44	4.19	3.28	2.47	17.75	11.56	9.05	6.81	20.75	13.52	10.58	7.97	1.41	0.92	0.72
33.68				92.87				108.60				7.39		
22.96				63.32				74.04				5.04		
25.26				69.65				81.45				5.54		
20.21				55.72				65.16				4.43		
20.21				55.72				65.16				4.43		
16.84				46.43				54.30				3.70		
42.10				116.09				135.75				9.24		
15.79				43.53				50.91				3.46		
16.30				44.94				52.55				3.58		
36.08				99.50				116.35				7.92		
28.06				77.39				90.50				6.16		
21.96				60.57				70.82				4.82		
17.42				48.04				56.17				3.82		
17.42				48.04				56.17				3.82		
14.43				39.80				46.54				3.17		
36.08				99.50				116.35				7.92		
28.06				77.39				90.50				6.16		
10.10				27.86				32.58				2.22		
33.68				92.87				108.60				7.39		
14.43				39.80				46.54				3.17		
25.26				69.65				81.45				5.54		
12.63				34.83				40.72				2.77		
14.03				38.70				45.25				3.08		
25.26				69.65				81.45				5.54		
14.03				38.70				45.25				3.08		
10.10				27.86				32.58				2.22		
36.08				99.50				116.35				7.92		
6.01				16.58				19.39				1.32		
3.01				8.29				9.70				0.66		
40.41				111.44				130.32				8.87		
3.01				8.29				9.70				0.66		

Second floor 9.2 m E1C m max: 133.14 2 6 4 3 2 kN/m kN/m kN/m kN/m kN/m 0.78 32.58 21.72 16.74 12.76 0.65 28.29 18.06 14.14 10.67 0.59 25.52 16.51 12.89 9.73 0.54 23.24 15.14 11.85 8.92 19.21 12.76 9.81 0.46 7.49 0.88 36.13 24.17 18.62 14.48 0.78 32.58 21.72 16.74 12.76 0.75 29.67 20.39 15.87 12.29 0.68 27.23 18.62 14.48 11.13 0.62 24.99 17.13 13.32 10.19 0.51 20.97 14.14 10.86 8.47 19.21 12.76 9.81 0.46 7.49 30.92 23.70 1.10 46.78 18.06 40.55 27.23 20.97 15.87 0.96 1.32 54.46 36.13 28.29 21.72 1.26 49.99 34.43 27.23 20.73 1.13 46.78 30.92 24.17 18.62 0.86 35.09 23.70 18.06 14.14 32.58 21.34 16.51 12.54 0.76 38.41 28.29 24.99 1.52 38.41 28.29 24.99 1.52 0.46 19.21 12.76 9.81 7.49 0.78 32.58 21.72 16.74 12.76 0.54 23.24 15.14 11.85 8.92 36.13 24.17 18.62 14.48 0.88 0.78 32.58 21.72 16.74 12.76 24.99 17.13 13.32 10.19 0.62

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1.10 0.96 46.78 30.92 23.70 18.06

40.55 27.23 20.97 15.87

0.54 23.24 15.14 11.85 8.92

121.64 82.93 91.23 72.98 72.98 60.82 152.05 57.02 58.86 130.32 101.36 79.33 62.92 62.92 52.13 130.32 101.36 36.49 121.64 52.13 91.23 45.61 50.68 91.23 50.68 36.49

> 145.96 **10.86**

130.32 21.72 10.86

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Nominal unit she	ear capaciti	ies				0.01							Roof	
W	ind/												EC3A	max:
Wood-b	ased pane	els (4.3A)							Factore	ed value	s (ASD)		30.35	
	6	`4	3	2	6	4	3	2	6	4	` 3	2	6	
pl	f plf	pl	f p	olf	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m	kN/m
-	560	840	1090	1430	8.17	12.26	15.91	20.87	4.09	6.13	7.95	10.43	7.43	4.95
	645	1010	1290	1710	9.41	14.74	18.83	24.96	4.71	7.37	9.41	12.48	6.45	4.12
	715	1105	1415	1875	10.43	16.13	20.65	27.36	5.22	8.06	10.33	13.68	5.82	3.76
	785	1205	1540	2045	11.46	17.59	22.47	29.84	5.73	8.79	11.24	14.92	5.30	3.45
	950	1430	1860	2435	13.86	20.87	27.14	35.54	6.93	10.43	13.57	17.77	4.38	2.91
	505	755	980	1260	7.37		14.30		3.68		7.15	9.19	8.24	
	560	840	1090	1430	8.17	12.26	15.91	20.87	4.09	6.13	7.95	10.43	7.43	4.95
	615	895	1150	1485	8.98	13.06	16.78	21.67	4.49	6.53	8.39	10.84	6.76	4.65
	670	980	1260	1640	9.78	14.30	18.39	23.93	4.89	7.15	9.19	11.97	6.21	4.24
	730	1065	1370	1790	10.65	15.54			5.33	7.77	10.00	13.06	5.70	3.91
	870	1290	1680	2155	12.70			31.45	6.35	9.41	12.26	15.72	4.78	
	950	1430	1860	2435	13.86	20.87	27.14	35.54	6.93	10.43	13.57	17.77	4.38	2.91
	390	590	770	1010	5.69	8.61	11.24	14.74	2.85	4.31	5.62	7.37	10.66	7.05
	450	670	870	1150	6.57	9.78	12.70	16.78	3.28	4.89	6.35	8.39	9.24	6.21
	335	505	645	840	4.89	7.37	9.41	12.26	2.44	3.68	4.71	6.13	12.42	8.24
	365	530	670	880	5.33	7.73	9.78	12.84	2.66	3.87	4.89	6.42	11.40	7.85
	390	590	755	980	5.69	8.61	11.02	14.30	2.85	4.31	5.51	7.15	10.66	7.05
	520	770	1010	1290	7.59	11.24	14.74	18.83	3.79	5.62	7.37	9.41	8.00	5.40
	560	855	1105	1455	8.17	12.48	16.13	21.23	4.09	6.24	8.06	10.62	7.43	4.86
		475	645	730		6.93	9.41	10.65		3.47	4.71	5.33		8.76
		475	645	730		6.93	9.41	10.65		3.47	4.71	5.33		8.76
									6.93	10.43	13.57	17.77	4.38	2.91
Wood she	athing fan	nilies (4.3	B)											
	6	4	3	2	6	4	3	2						
pl	f plf	pl	f p	olf	kN/m		kN/m							
	560.00	840.00	1,090.00	1,430.00		12.26			4.09	6.13		10.43	7.43	
	785.00 1,	205.00	1,540.00	2,045.00	11.46	17.59	22.47	29.84	5.73	8.79	11.24	14.92	5.30	
	505.00	755.00	980.00	1,260.00	7.37	11.02	14.30	18.39	3.68	5.51	7.15	9.19	8.24	5.51
	560.00			1,430.00	8.17		15.91		4.09	6.13		10.43	7.43	
		065.00 1		1,790.00	10.65		19.99		5.33	7.77	10.00		5.70	
;	390.00	590.00	770.00	1,010.00	5.69	8.61	11.24	14.74	2.85	4.31	5.62	7.37	10.66	
	450.00	670.00	870.00	1,150.00	6.57	9.78	12.70	16.78	3.28	4.89	6.35	8.39	9.24	6.21

					5.73	8.79	11.24	14.92	5.30	3.45
Gypsum sheath	ing families	(4.3C)								
plf	kN/ft	kN/m								
	50 0.67		0.01		1.09				27.73	
22					1.61				18.91	
20					1.46				20.80	
	50 1.11				1.82				16.64	
	50 1.11				1.82				16.64	
30					2.19				13.86	
12	20 0.53	1.75			0.88				34.66	
32	20 1.42	4.67			2.34				13.00	
32	1.38	4.52			2.26				13.42	
14	40 0.62	2.04			1.02				29.71	
18	0.80	2.63			1.31				23.11	
23	30 1.02	3.36			1.68				18.08	
29	90 1.29	4.23			2.12				14.34	
29	90 1.29	4.23			2.12				14.34	
35	50 1.56	5.11			2.55				11.88	
14	40 0.62	2.04			1.02				29.71	
18	0.80	2.63			1.31				23.11	
50	00 2.22	7.30			3.65				8.32	
	50 0.67				1.09				27.73	
3					2.55				11.88	
20					1.46				20.80	
40					2.92				10.40	
	50 1.60				2.63				11.55	
	0.89				1.46				20.80	
36	50 1.60	5.25			2.63				11.55	
					3.65				8.32	
Lumber she										
plf	kN/ft	kN/m								
	40 0.62				1.02				29.71	
84					6.13				4.95	
168					12.26				2.48	
12	25 0.56	1.82			0.91				33.27	
					12.26				2.48	

9.2 r	n	Roof EC3B m 4.77 kN		9.2 n	n	Roof EC3C 59.2			9.20 r	n	Third EC2	d floor A 54.41	max:	9.2	m	
3	2	4.77 KI	4	3	2		6 6	4	3	2		54.41	κιν 4	3	2	
kN/m k		kN/m kN		_					ى kN/m k		kN/n	-	4 kN/m			
3.82	2.91	1.17 (				14.5			7.45	5.68	KIN/II	13.32		6.84	5.21	
3.22	2.43	1.01 (				12.5			6.29	4.75		11.56	7.38	5.78	4.36	
2.94	2.22	0.91			0.35	11.3			5.74	4.33		10.43	6.75	5.27	3.98	
2.70	2.03	0.83 (				10.3			5.27	3.97		9.50	6.19	4.84	3.65	
2.24	1.71	0.69			0.27	8.5			4.37	3.33		7.85	5.21	4.01	3.06	
4.24	3.30	1.29				16.0			8.29	6.44		14.77	9.88	7.61	5.92	
3.82	2.91	1.17 (			0.46	14.5			7.45	5.68		13.32	8.88	6.84	5.21	
3.62	2.80	1.06 (			0.44	13.2			7.06	5.47		12.12	8.33	6.48	5.02	
3.30	2.54	0.98			0.40	12.1			6.44	4.95		11.13	7.61	5.92	4.55	
3.04	2.32	0.90			0.37	11.1			5.93	4.54		10.21	7.00	5.44	4.17	
2.48	1.93	0.75			0.30	9.3		29	4.83	3.77		8.57	5.78	4.44	3.46	
2.24	1.71	0.69 (			0.27	8.5	5.0	68	4.37	3.33		7.85	5.21	4.01	3.06	
5.40	4.12	1.68	L.11 0	).85	0.65	20.8	2 13.	76	10.55	8.04		19.12	12.64	9.68	7.38	
4.78	3.62	1.45 (	0.98	).75	0.57	18.0	4 12.	12	9.33	7.06		16.57	11.13	8.57	6.48	
6.45	4.95	1.95	L.29 1	01	0.78	24.2	4 16.0	80	12.59	9.67		22.26	14.77	11.56	8.88	
6.21	4.73	1.79	L.23 0	).98	0.74	22.2	5 15.3	32	12.12	9.23		20.43	14.07	11.13	8.47	
5.51	4.24	1.68	L.11 0	).87	0.67	20.8	2 13.	76	10.75	8.29		19.12	12.64	9.88	7.61	
4.12	3.22	1.26 (	0.85	).65	0.51	15.6	2 10.	55	8.04	6.29		14.34	9.68	7.38	5.78	
3.76	2.86	1.17 (	0.76 0	).59	0.45	14.5	9.9	50	7.35	5.58		13.32	8.72	6.75	5.12	
6.45	5.70	-	L.38 1	01	0.90		17.0	09	12.59	11.12			15.70	11.56	10.21	
6.45	5.70		L.38 1						12.59	11.12			15.70	11.56	10.21	
2.24	1.71	0.69	).46 0	).35	0.27	8.5	5 5.0	68	4.37	3.33		7.85	5.21	4.01	3.06	
3.82	2.91	1.17 (				14.5			7.45	5.68		13.32	8.88	6.84	5.21	
2.70	2.03	0.83 (				10.3			5.27	3.97		9.50	6.19	4.84	3.65	
4.24	3.30	1.29 (				16.0	8 10.	75	8.29	6.44		14.77	9.88	7.61	5.92	
3.82	2.91				0.46	14.5			7.45	5.68		13.32	8.88	6.84	5.21	
3.04	2.32	0.90			0.37	11.1			5.93	4.54		10.21	7.00	5.44	4.17	
5.40	4.12	1.68			0.65	20.8			10.55	8.04			12.64	9.68	7.38	
4.78	3.62	1.45 (	0.98 0	).75	0.57	18.0	4 12.	12	9.33	7.06		16.57	11.13	8.57	6.48	

2.70	2.03	0.83 0.54 0.42	0.32	10.34	6.74	5.27	3.97	9.50	6.19	4.84	3.65
		4.36		54.13				49.71			
		2.97		36.91				33.89			
		3.27		40.60				37.28			
		2.61		32.48				29.83			
		2.61		32.48				29.83			
		2.18		27.07				24.86			
		5.45		67.67				62.14			
		2.04		25.37				23.30			
		2.11		26.19				24.05			
		4.67		58.00				53.26			
		3.63		45.11				41.43			
		2.84		35.30				32.42			
		2.25		28.00				25.71			
		2.25		28.00				25.71			
		1.87		23.20				21.30			
		4.67		58.00				53.26			
		3.63		45.11				41.43			
		1.31		16.24				14.91			
		4.36		54.13				49.71			
		1.87		23.20				21.30			
		3.27		40.60				37.28			
		1.63		20.30				18.64			
		1.82		22.56				20.71			
		3.27		40.60				37.28			
		1.82		22.56				20.71			
		1.31		16.24				14.91			
		4.67		58.00				53.26			
		0.78		9.67				8.88			
		0.39		4.83				4.44			
		5.23		64.96				59.65			
		0.39		4.83				4.44			

Third floor	Third floor	Second floor	Second floor
EC2B max: 9.2 m	EC2C max: 9.2 m	EC1A max: 4.87 m	EC1B max: 9.2
8.56 kN	106.22	79.02	12.43
6 4 3 2	6 4 3 2	6 4 3 2	6 4 3
kN/m kN/m kN/m kN/m	kN/m kN/m kN/m kN/m	kN/m kN/m kN/m kN/m	kN/m kN/m kN/m
2.09 1.40 1.08 0.82	25.99 17.33 13.35 10.18	19.34 12.89 9.94 7.57	3.04 2.03 1.56
1.82 1.16 0.91 0.69	22.57 14.41 11.28 8.51	16.79 10.72 8.39 6.33	2.64 1.69 1.32
1.64	20.36 13.17 10.29 7.76 18.54 12.08 9.45 7.12	15.15 9.80 7.65 5.78 13.80 8.99 7.03 5.30	2.38 1.54 1.20 2.17 1.41 1.11
1.23 0.82 0.63 0.48	15.32 10.18 7.83 5.98	11.40 7.57 5.82 4.45	1.79 1.19 0.92
2.32 1.55 1.20 0.93	28.83 19.28 14.85 11.55	21.44 14.34 11.05 8.59	3.37 2.26 1.74
2.09 1.40 1.08 0.82	25.99 17.33 13.35 10.18	19.34 12.89 9.94 7.57	3.04 2.03 1.56
1.91 1.31 1.02 0.79	23.67 16.26 12.66 9.80	17.61 12.10 9.42 7.29	2.77 1.90 1.48
1.75 1.20 0.93 0.72	21.73 14.85 11.55 8.88	16.16 11.05 8.59 6.60	2.54 1.74 1.35
1.61 1.10 0.86 0.66	19.94 13.67 10.63 8.13	14.83 10.17 7.90 6.05	2.33 1.60 1.24
1.35 0.91 0.70 0.54	16.73 11.28 8.66 6.75	12.45 8.39 6.45 5.03	1.96 1.32 1.01
1.23 0.82 0.63 0.48	15.32 10.18 <b>7.83</b> 5.98	11.40 7.57 5.82 <b>4.45</b>	1.79 1.19 0.92
3.01 1.99 1.52 1.16	37.33 24.67 18.90 14.41	27.77 18.35 14.06 10.72	4.37 2.89 2.21
2.61 1.75 1.35 1.02	32.35 21.73 16.73 12.66	24.06 16.16 12.45 9.42	3.79 2.54 1.96
3.50 2.32 1.82 1.40	43.45 28.83 22.57 17.33	32.33 21.44 16.79 12.89	5.08 3.37 2.64
3.21 2.21 1.75 1.33	39.88 27.47 21.73 16.54	29.67 20.43 16.16 12.31	4.67 3.21 2.54
3.01 1.99 1.55 1.20	37.33 24.67 19.28 14.85	27.77 18.35 14.34 11.05	4.37 2.89 2.26
2.26 1.52 1.16 0.91	27.99 18.90 14.41 11.28	20.83 14.06 10.72 8.39	3.28 2.21 1.69
2.09 1.37 1.06 0.81	25.99 17.03 13.17 10.00	19.34 12.67 9.80 7.44	3.04 1.99 1.54
2.47 1.82 1.61	30.65 22.57 19.94	22.80 16.79 14.83	3.59 2.64
2.47 1.82 1.61	30.65 22.57 19.94	22.80 16.79 14.83	3.59 2.64
1.23 0.82 0.63 0.48	15.32 10.18 7.83 5.98	11.40 7.57 5.82 4.45	1.79 1.19 0.92
2.09 1.40 1.08 0.82	25.99 17.33 13.35 10.18	19.34 12.89 9.94 7.57	3.04 2.03 1.56
1.49 0.97 0.76 0.57	18.54 12.08 9.45 7.12	13.80 8.99 7.03 5.30	2.17 1.41 1.11
2.32 1.55 1.20 0.93	28.83 19.28 14.85 11.55	21.44 14.34 11.05 8.59	3.37 2.26 1.74
2.09 1.40 1.08 0.82	25.99 17.33 13.35 10.18	19.34 12.89 9.94 7.57	3.04 2.03 1.56
1.61 1.10 0.86 0.66	19.94 13.67 10.63 8.13	14.83 10.17 7.90 6.05	2.33 1.60 1.24
3.01 1.99 1.52 1.16	37.33 24.67 18.90 14.41	27.77 18.35 14.06 10.72	4.37 2.89 2.21
2.61 1.75 1.35 1.02	32.35 21.73 16.73 12.66	24.06 16.16 12.45 9.42	3.79 2.54 1.96

1.49	0.97 0.76 0.57	18.54 12.08	9.45 7.12	13.80 8.99 7.03 5.30	2.17 1.41 1.11
7.82		97.05		72.19	11.36
5.33		66.17		49.22	7.74
5.87		72.78		54.15	8.52
4.69		58.23		43.32	6.81
4.69		58.23		43.32	6.81
3.91		48.52		36.10	5.68
9.78		121.31		90.24	14.20
3.67		45.49		33.84	5.32
3.78		46.96		34.93	5.50
8.38		103.98		77.35	12.17
6.52		80.87		60.16	9.46
5.10		63.29		47.08	7.41
4.05		50.20		37.34	5.87
4.05		50.20		37.34	5.87
3.35		41.59		30.94	4.87
8.38		103.98		77.35	12.17
6.52		80.87		60.16	9.46
2.35		29.11		21.66	3.41
7.82		97.05		72.19	11.36
3.35		41.59		30.94	4.87
5.87		72.78		54.15	8.52
2.93		36.39		27.07	4.26
3.26		40.44		30.08	4.73
5.87		72.78		54.15	8.52
3.26		40.44		30.08	4.73
2.35		29.11		21.66	3.41
8.38		103.98		77.35	12.17
1.40		17.33		12.89	2.03
0.70		8.66		6.45	1.01
9.38		116.45		86.63	13.63
0.70		8.66		6.45	1.01

Second floor 9.2 m EC1C m max: 154.27 2 6 4 3 2 kN/m kN/m kN/m kN/m kN/m 1.19 37.75 25.17 19.40 14.78 1.00 32.78 20.93 16.39 12.36 0.91 29.57 19.13 14.94 11.28 0.83 26.93 17.54 13.73 10.34 0.70 22.25 14.78 11.37 8.68 41.86 28.00 21.57 16.78 1.35 1.19 37.75 25.17 19.40 14.78 34.38 23.62 18.38 14.24 1.15 31.55 21.57 16.78 12.89 1.04 0.95 28.96 19.85 15.43 11.81 0.79 24.30 16.39 12.58 9.81 0.70 22.25 14.78 11.37 8.68 1.69 54.21 35.83 27.46 20.93 46.98 31.55 24.30 18.38 1.48 63.11 41.86 32.78 2.03 25.17 1.94 57.92 39.89 31.55 24.02 1.74 54.21 35.83 28.00 21.57 1.32 40.66 27.46 20.93 16.39 37.75 24.73 19.13 14.53 1.17 2.33 44.51 32.78 28.96 44.51 32.78 28.96 2.33 22.25 14.78 11.37 8.68 0.70 37.75 25.17 19.40 14.78 1.19 0.83 26.93 17.54 13.73 10.34 1.35 41.86 28.00 21.57 16.78 1.19 37.75 25.17 19.40 14.78 0.95 28.96 19.85 15.43 11.81

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1.69

1.48

54.21 35.83 27.46 20.93

46.98 31.55 24.30 18.38

140.94 96.10 105.71 84.57 84.57 70.47 176.18 66.07 68.20 151.01 117.45 91.92 72.90 72.90 60.40 151.01 117.45 42.28 140.94 60.40 105.71 52.85 58.73 105.71 58.73

> 151.01 25.17 12.58 169.13 **12.58**

42.28

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floor	
1	3.4544
2	3.3528
3	3.302

### connection

Nails capacities					
Type	Length	Capac	ity		
		lbs/uni	t k	kN/unit	
16d			165	0.73	
20d			188	0.84	
Wood screws ca	pacities				
14 (d= 0.242 in)		4	260	1.16	
16 (d= 0.268 in)		4	308	1.37	
18 (d= 0.294 in)		4	323	1.44	
20(d= 0.32 in)		4	344	1.53	
SDWS		6	424	1.89	
Bolts					
½ in		4	1121	4.99	
3⁄4 in		4	2120	9.43	
1 in		4	3543	15.76	