

EXAMPLE OF EXPOSED LIMITING DISTANCE CALCULATOR

Total building face area: 53.41 m². (This lands between rows 50 and 60 “Max, Area, m²” the table below)

Limiting distance: 2.1 m. (This lands between the 2.0 and 2.5 columns)

The “L/H or H/L” ratio is: 5.27:1. (This means we must use the 3:1 to 10:1 row on the table which are highlighted gray in the table below.

The extrapolated number we are seeking is marked with an **X** on the table below

Table 3.2.3.1.-B (continued)

Exposing Building Face		Area of Unprotected Opening for Groups A, C, D, and F, Division 3 Occupancies, %																											
Max. Area, m ²	Ratio (L/H or H/L) (1)	Limiting Distance, m																											
		0	1.2	1.5	2.0	2.5	3	4	5	6	7	8	9	10	11	12	13	14	16	18	20	25	30	35	40	45	50		
50	over 10 : 1	0	8	11	17	24	31	47	66	88	100																		
	Less than 3 : 1	0	7	8	9	12	15	24	37	53	72	96	100																
	3 : 1 to 10 : 1	0	7	8	10	14	18	28	41	57	77	100																	
60	over 10 : 1	0	8	10	15	21	28	41	57	76	97	100																	
	Less than 3 : 1	0	7	8	9	X	11	14	21	32	45	62	81	100															
	3 : 1 to 10 : 1	0	7	8	10	13	16	25	36	49	66	85	100																
80	over 10 : 1	0	8	10	14	20	25	38	51	67	85	100																	
	Less than 3 : 1	0	7	7	8	10	12	18	26	36	48	62	79	98	100														
	3 : 1 to 10 : 1	0	7	8	9	11	14	21	29	40	52	67	84	100															
100	over 10 : 1	0	8	9	13	17	22	32	44	56	70	86	100																
	Less than 3 : 1	0	7	7	8	9	11	16	22	30	40	51	65	80	97	100													
	3 : 1 to 10 : 1	0	7	8	9	11	13	18	25	34	44	56	69	84	100														
150	over 10 : 1	0	7	9	12	16	20	29	39	49	61	74	89	100															
	Less than 3 : 1	0	7	7	8	9	10	13	17	22	29	37	46	56	67	79	93	100											
	3 : 1 to 10 : 1	0	7	7	8	10	11	15	20	26	33	41	50	60	71	84	97	100											
250	over 10 : 1	0	7	8	11	13	17	24	31	39	48	57	68	79	91	100													
	Less than 3 : 1	0	7	7	8	9	10	13	16	20	25	30	36	43	51	59	68	87	100										
	3 : 1 to 10 : 1	0	7	7	8	9	10	12	15	19	24	28	34	40	47	55	63	72	92	100									
350	over 10 : 1	0	7	8	9	11	14	19	24	30	36	43	50	57	65	73	82	92	100										
	Less than 3 : 1	0	7	7	7	8	8	9	11	14	16	20	24	28	33	38	44	50	64	81	99	100							
	3 : 1 to 10 : 1	0	7	7	8	8	9	11	13	16	19	23	27	32	37	42	48	55	69	85	100								

LIMITING DISTANCE AND AREA OF UNPROTECTED OPENINGS CALCULATOR				
Table 3.2.3.1.-B - Unprotected Opening Limits for a Building or Fire Compartment that is not Sprinklered Throughout				
PROJECT NAME		WALL ELEVATION NAME		
Exposing Building Face		Allowable Area %		
Maximum Area - m ²	Ratio (L/H or H/L)	Limiting Distance - m		
		2.0	2.100	2.5
50.00	3 : 1 to 10 : 1	10.00%	11.60%	18.00%
53.41	3 : 1 to 10 : 1	10.00%	11.46%	17.32%
60.00	3 : 1 to 10 : 1	10.00%	11.20%	16.00%

- The grey highlighted rows above show numbers to be used in the 3:1 to 10:1 ratio row.
- The Green highlighted numbers in the calculator corresponding to the highlighted numbers in the table above surrounding the “X”.

LEGEND

	Project information
	Building Code numbers from "Max, Area, m ² " Column
	BC Code numbers from "Limiting Distance" row.
	BC Code numbers surrounding the X (in the 3:1 to 10:1 rows).
	Answer
	Project numbers
	Calculation (DO NOT EDIT)