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here transcribe a most pertinent article from the "London Surveyor." It reads as follows: "A propos of a monstrous "sky-scraper" apartment house recently erected at Washington, the American Architectural Record has a deservedly severe article on "Architectural Aberrations," and puts forward the plea that city authorities should be allowed to veto plans for new buildings, not only if they sin against sanitary laws, but if they outrage the canons of art. As it pertinently remarks, "There is a patent absurdity in taking thought and spending vast sums of money for the purpose of making a harmonious city, and then permitting any promiscuous private person who can get possession of a piece of ground, and raise money enough, to put a building on it, to nullify all your dispositions and vulgarise your town." There is much in the protest, and though we do not suffer so badly as our cousins do from the *piled-up monuments of bad taste and cupidity*, still even London suffers from the tall-house mania, not to mention other hideous forms of architec-tural aberrations. Edinburgh, too, will note the timely protest with interest. But the task of acting as censor would be full of difficultes where mutable taste rather than positive science would have to be the guide." To this I would add that there should be no foolish rivalry in such matters, ari it is as easy for one architect to outdo another in height as for a naval architect to beat the record in point of length and strength, or for an artillerist to design a target that will resist a shot, a shot to pierce it, another target to resist the latter and again another shot to hole it, and so on, without end; but though there may be a reason for this when a mation wishes to retain its prestige over its neighbor; and though engi-neers are forced into long and still longer spans for bridges due to the widths and depths of rivers to be traversed and to conditions imposed by

Type of steel-built column on which calculations of stresses, weights and prices are based. for computation of data in Table I.

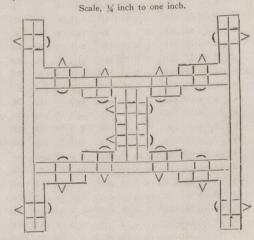


TABLE I.

Table of steel thicknesses and sectional areas, box built columns to support fire proof or iron, brick and concrete floorings in buildings from 1 to 20 stories high. Weight per sup, or square foot of roofing and flooring, partition walls, etc., 300 lbs., including 90 lbs. live load. Factor of safety = 5 or 1/5 of crushing load.

No. of Item for reference	No. of stories counting up-wards.	No. of stories counting down-wards.	Columns at 20' - 20' centres. Area supported 400 sqr. ft.			Columns at 10' - 20' centres. Area supported 200 sqr. ft.			Columns at 10' - 10' centres. Area supported 100 sqr. ft.			At 14 ft. long in position & at 5 cts per lb.		
												each co- 5 cts lb. - 20'	ch co- cts lb.	each co- t 5 cts lb. - 10'
			Thicks. of plates.	Sectional area.	Weight supported in tons,	Thicks. of plates.	Sectional area.	Weight supported in tons.	Thicks. of plates.	Sectional area.	Weight supported in tons.	Cost of each lumn at 5 ct 20' - 20'	Cost of each c lumn at 5 cts 1 10 - 20	Cost of ea lumn at 5 10' - '
			In- ches.	Sqr. Inch.		In- ches.	Sqr. Inch.		In- ches.	Sqr. Inch.	1.1	\$	\$	\$
1	Roof	Roof	0.1	10	60	0.05	5	30	0.025	25	15	24	12	6
2	20	1	0.2	20	120	0.10	10	60	0.050	5.0	30	48	24	12
3	19	2	0.3	30	180	0.15	15	90	0:075	7.5	45	72	36	18
4	18	3	0.4	40	240	0.20	20	120	0.100	10.0	60	96	48	24
5	17	4	0.5	50	300	0.25	25	150	0.125	12.5	75	120	60	30
6	16	5	0.6	60	360	0.30	30	180	0.150	15.0	90	144	72	36
7	'15	6	0.7	.70	420	0.35	35	210	0.175	17.5	105	168	. 84	42
8	14	7	0.8	80	480	0.40	40	240	0.200	20.0	120	192	96	48
9	13	8	0.9	90	540	0.45	45	270	0.225	22.5	135	216	108	54
10	12	9	1.0	100	600	0.50	50	300	0.250	25.0	150	240	120	60
11	11	10	1.1	110	660	0.55	55	330	0.275	27.5	165	264	132	66
12	10	11	1.2	120	720	0.60	60	360	0.300	30.0	180	288	144	72
13	9	12	1.3	130	780	0.65	65	390	0.325	32.5	195	312	156	78
14	8	13	1.4	140	840	0.70	70		0.350	35.0	210	336	168	84
15	7	14	1.5	150	900	0.75	75	450	0.375	37.5	225	>360	180	90
16	6	15	1.6	160	960	0.80	80	480	0.400	40.0	240	384	192	96
17	5	16	1.7		1020	0.85	1000	510	0.425	42.8	255	408	204	102
18	4	17	1.8	1	1080	1	6	540	0.450	45.0	270	432	216	108
19	3	18	1.9		1140				0.475	47:1	285	456	228	8 114
20	2	19	2:0		1200	10000		1	0.500	50.0	300	480	240	120
20	- 4	20	2.1	210		1	1.722	10.0	11	52.	317	504	4 252	2 226
21	1	20	1 211	1 210	1200	1.00	1	1	l	1	1	11		

the authorities—as in the 1,700 feet twin spans over the Firth of Forth in Scotland, the Brooklyn suspension bridge and now the 3,200 feet span structure about to be thrown over the Hudson between New York and Jersey City—no similar necessity exists for structures of the Eiffel tower type, which all Paris is clamorous to have demolished, though it certainly is not an outrage to artistic taste and merit in any way approaching the super-