

HIGHER POWER HYDRAULIC DOORS
UNFACTORED DOOR JAMB REACTIONS - 205 mph - ASCE 7-22 / IBC-24

Weight (psf)	Door Height	Wind Vel. A (mph)	Wind Load A (psf) (psf)	Wind Vel. B (mph)	Wind Load B (psf)	Wind Vel. C (mph)	Wind Load C (psf) Downward	Wind Load C (psf) Uplift
19.0	$h \leq 24$ ft	205	87.8	50	7.2	50	3.2	-5.9
	24 ft < $h \leq 32$ ft		93.2		7.6		3.4	-6.2

Wind Vel. A = Code Basic Wind Speed

Wind Vel. B = Maximum Wind Speed while Opening Door

Wind Vel. C = Maximum Wind Speed while Door Open

Base Reaction = Reaction of Jamb Column into Floor Slab

Top Reaction = Reaction of Jamb Column to Building Column/Frame Beam

METHODOLOGY

Reactions calculated based on ASCE 7-22.

Wind forces based on Component & Cladding loads, using the door area as the effective wind area.

Wind speed when door is open or opening is limited to 50 mph.

Velocity pressure is calculated per ASCE 7-22, EQN. 26.10-1.

No net uplift exists in jamb columns as door self-weight offsets wind uplift forces.

ASSUMPTIONS

Building meets the conditions of ASCE 7-22, Section 30.1.2.

Building is considered Risk Category II.

For doors $\leq 24'$ in height, assumed mean roof height = 30'.

For doors $24' < h \leq 32'$, assumed mean roof height = 40'.

Building is considered enclosed when the door is closed, and partially enclosed when the door is open or opening.

Wind Exposure = "C".

Notes:

(+) Base Vertical Reaction = Down

(+) Top Vertical Reaction = Up

Horizontal Reactions Are Either Towards Or Away From Door

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
30	10	7446	3330	5728	0
30	12	8783	3996	7026	0
30	14	10114	4662	8329	0
30	16	11442	5328	9636	0
30	18	12768	5994	10944	0
30	20	14093	6660	12255	0
30	22	15416	7326	13566	0
30	24	16738	7992	14879	0
30	26	19166	8734	17183	0
30	28	20568	9406	18577	0
30	30	21969	10078	19972	0
30	32	23370	10749	21367	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
32	10	7942	3552	6110	0
32	12	9368	4262	7494	0
32	14	10788	4973	8885	0
32	16	12205	5683	10278	0
32	18	13620	6393	11674	0
32	20	15032	7104	13072	0
32	22	16444	7814	14471	0
32	24	17854	8524	15871	0
32	26	20443	9316	18329	0
32	28	21939	10033	19816	0
32	30	23434	10749	21303	0
32	32	24928	11466	22791	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
34	10	8439	3774	6491	0
34	12	9954	4529	7963	0
34	14	11463	5283	9440	0
34	16	12968	6038	10920	0
34	18	14471	6793	12404	0
34	20	15972	7548	13889	0
34	22	17472	8302	15375	0
34	24	18970	9057	16862	0
34	26	21721	9898	19474	0
34	28	23310	10660	21054	0
34	30	24898	11421	22635	0
34	32	26486	12183	24216	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
36	10	8935	3996	6873	0
36	12	10539	4795	8431	0
36	14	12137	5594	9995	0
36	16	13731	6393	11563	0
36	18	15322	7192	13133	0
36	20	16911	7992	14706	0
36	22	18499	8791	16279	0
36	24	20086	9590	17854	0
36	26	22999	10481	20620	0
36	28	24681	11287	22293	0
36	30	26363	12093	23966	0
36	32	28044	12899	25640	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
38	10	9432	4218	7255	0
38	12	11125	5061	8900	0
38	14	12811	5905	10550	0
38	16	14494	6748	12205	0
38	18	16173	7592	13863	0
38	20	17851	8436	15523	0
38	22	19527	9279	17184	0
38	24	21202	10123	18846	0
38	26	24277	11063	21765	0
38	28	26052	11914	23531	0
38	30	27828	12765	25298	0
38	32	29602	13616	27065	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
40	10	9928	4440	7637	0
40	12	11710	5328	9368	0
40	14	13485	6216	11106	0
40	16	15256	7104	12848	0
40	18	17025	7992	14592	0
40	20	18790	8879	16340	0
40	22	20555	9767	18088	0
40	24	22318	10655	19838	0
40	26	25554	11645	22911	0
40	28	27424	12541	24770	0
40	30	29292	13437	26629	0
40	32	31160	14333	28489	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
42	10	10424	4662	8019	0
42	12	12296	5594	9836	0
42	14	14160	6526	11661	0
42	16	16019	7459	13490	0
42	18	17876	8391	15322	0
42	20	19730	9323	17157	0
42	22	21583	10256	18993	0
42	24	23434	11188	20830	0
42	26	26832	12227	24056	0
42	28	28795	13168	26008	0
42	30	30757	14109	27961	0
42	32	32718	15049	29914	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
44	10	10921	4884	8401	0
44	12	12881	5860	10305	0
44	14	14834	6837	12216	0
44	16	16782	7814	14132	0
44	18	18727	8791	16052	0
44	20	20670	9767	17974	0
44	22	22610	10744	19897	0
44	24	24550	11721	21822	0
44	26	28110	12810	25202	0
44	28	30166	13795	27247	0
44	30	32221	14780	29292	0
44	32	34276	15766	31338	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
46	10	11417	5106	8783	0
46	12	13467	6127	10773	0
46	14	15508	7148	12771	0
46	16	17545	8169	14775	0
46	18	19578	9190	16781	0
46	20	21609	10211	18790	0
46	22	23638	11233	20801	0
46	24	25666	12254	22814	0
46	26	29387	13392	26347	0
46	28	31537	14422	28485	0
46	30	33686	15452	30624	0
46	32	35834	16482	32763	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
48	10	11914	5328	9164	0
48	12	14052	6393	11242	0
48	14	16182	7459	13327	0
48	16	18308	8524	15417	0
48	18	20429	9590	17511	0
48	20	22549	10655	19607	0
48	22	24666	11721	21706	0
48	24	26781	12786	23806	0
48	26	30665	13974	27493	0
48	28	32908	15049	29724	0
48	30	35151	16124	31955	0
48	32	37392	17199	34187	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
50	10	12410	5550	9546	0
50	12	14638	6660	11710	0
50	14	16857	7770	13882	0
50	16	19071	8879	16059	0
50	18	21281	9989	18241	0
50	20	23488	11099	20424	0
50	22	25694	12209	22610	0
50	24	27897	13319	24798	0
50	26	31943	14556	28638	0
50	28	34279	15676	30962	0
50	30	36615	16796	33286	0
50	32	38950	17916	35612	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
52	10	12906	5772	9928	0
52	12	15223	6926	12178	0
52	14	17531	8080	14437	0
52	16	19833	9235	16702	0
52	18	22132	10389	18970	0
52	20	24428	11543	21241	0
52	22	26721	12698	23515	0
52	24	29013	13852	25790	0
52	26	33221	15139	29784	0
52	28	35651	16303	32201	0
52	30	38080	17468	34618	0
52	32	40508	18632	37036	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
54	10	13403	5994	10310	0
54	12	15809	7192	12647	0
54	14	18205	8391	14993	0
54	16	20596	9590	17344	0
54	18	22983	10789	19700	0
54	20	25367	11987	22058	0
54	22	27749	13186	24419	0
54	24	30129	14385	26781	0
54	26	34498	15721	30930	0
54	28	37022	16930	33439	0
54	30	39544	18140	35949	0
54	32	42066	19349	38461	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
56	10	13899	6216	10692	0
56	12	16394	7459	13115	0
56	14	18880	8702	15548	0
56	16	21359	9945	17987	0
56	18	23834	11188	20429	0
56	20	26307	12431	22875	0
56	22	28777	13674	25324	0
56	24	31245	14918	27773	0
56	26	35776	16303	32075	0
56	28	38393	17557	34678	0
56	30	41009	18811	37281	0
56	32	43624	20066	39885	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
58	10	14396	6438	11074	0
58	12	16980	7725	13584	0
58	14	19554	9013	16103	0
58	16	22122	10300	18629	0
58	18	24686	11588	21159	0
58	20	27246	12875	23692	0
58	22	29804	14163	26228	0
58	24	32361	15450	28765	0
58	26	37054	16885	33221	0
58	28	39764	18184	35916	0
58	30	42474	19483	38612	0
58	32	45182	20782	41309	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
60	10	14892	6660	11455	0
60	12	17565	7992	14052	0
60	14	20228	9323	16658	0
60	16	22885	10655	19271	0
60	18	25537	11987	21889	0
60	20	28186	13319	24509	0
60	22	30832	14651	27132	0
60	24	33477	15983	29757	0
60	26	38332	17468	34366	0
60	28	41135	18811	37154	0
60	30	43938	20155	39944	0
60	32	46740	21499	42734	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
62	10	15388	6882	11837	0
62	12	18151	8258	14520	0
62	14	20902	9634	17214	0
62	16	23648	11011	19914	0
62	18	26388	12387	22618	0
62	20	29125	13763	25326	0
62	22	31860	15140	28037	0
62	24	34593	16516	30749	0
62	26	39609	18050	35512	0
62	28	42507	19438	38393	0
62	30	45403	20827	41275	0
62	32	48298	22215	44158	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
64	10	15885	7104	12219	0
64	12	18736	8524	14989	0
64	14	21577	9945	17769	0
64	16	24410	11366	20556	0
64	18	27239	12786	23348	0
64	20	30065	14207	26143	0
64	22	32888	15628	28941	0
64	24	35709	17049	31741	0
64	26	40887	18632	36657	0
64	28	43878	20066	39631	0
64	30	46867	21499	42607	0
64	32	49856	24980	45583	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
66	10	16381	7326	12601	0
66	12	19322	8791	15457	0
66	14	22251	10256	18324	0
66	16	25173	11721	21198	0
66	18	28091	13186	24078	0
66	20	31004	14651	26960	0
66	22	33915	16116	29846	0
66	24	36825	17581	32733	0
66	26	42165	19215	37803	0
66	28	45249	20693	40870	0
66	30	48332	22171	43938	0
66	32	51414	25761	47007	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
68	10	16878	7548	12983	0
68	12	19907	9057	15926	0
68	14	22925	10567	18880	0
68	16	25936	12076	21841	0
68	18	28942	13586	24807	0
68	20	31944	15095	27777	0
68	22	34943	16605	30750	0
68	24	37940	18114	33725	0
68	26	43442	19797	38948	0
68	28	46620	21320	42108	0
68	30	49797	24882	45270	0
68	32	52972	26541	48432	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
70	10	17374	7770	13365	0
70	12	20493	9323	16394	0
70	14	23599	10877	19435	0
70	16	26699	12431	22483	0
70	18	29793	13985	25537	0
70	20	32883	15539	28594	0
70	22	35971	17093	31654	0
70	24	39056	18647	34717	0
70	26	44720	20379	40094	0
70	28	47991	21947	43347	0
70	30	51261	25614	46601	0
70	32	54530	27322	49856	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
72	10	17871	7992	13747	0
72	12	21078	9590	16862	0
72	14	24274	11188	19990	0
72	16	27462	12786	23126	0
72	18	30644	14385	26266	0
72	20	33823	15983	29411	0
72	22	36999	17581	32559	0
72	24	40172	19180	35709	0
72	26	45998	20961	41239	0
72	28	49362	24590	44585	0
72	30	52726	26346	47933	0
72	32	56088	28103	51281	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
74	10	18367	8214	14128	0
74	12	21664	9856	17331	0
74	14	24948	11499	20545	0
74	16	28224	13142	23768	0
74	18	31495	14784	26996	0
74	20	34762	16427	30228	0
74	22	38026	18070	33463	0
74	24	41288	19712	36701	0
74	26	44720	21544	42385	0
74	28	47991	25273	45824	0
74	30	51261	27078	49264	0
74	32	54530	28883	52705	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
76	10	18863	8436	14510	0
76	12	22249	10123	17799	0
76	14	25622	11810	21101	0
76	16	28987	13497	24410	0
76	18	32347	15184	27726	0
76	20	35702	16871	31045	0
76	22	39054	18558	34368	0
76	24	42404	20245	37692	0
76	26	48553	22126	43530	0
76	28	52105	25956	47062	0
76	30	55655	27810	50595	0
76	32	59204	29664	54130	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
78	10	19360	8658	14892	0
78	12	22835	10389	18268	0
78	14	26297	12121	21656	0
78	16	29750	13852	25053	0
78	18	33198	15584	28455	0
78	20	36641	17315	31862	0
78	22	40082	19047	35272	0
78	24	43520	20778	38684	0
78	26	49831	24736	44676	0
78	28	53476	26639	48301	0
78	30	57120	28542	51927	0
78	32	60762	30444	55554	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
80	10	19856	8879	15274	0
80	12	23420	10655	18736	0
80	14	26971	12431	22211	0
80	16	30513	14207	25695	0
80	18	34049	15983	29185	0
80	20	37581	17759	32679	0
80	22	41110	19535	36176	0
80	24	44636	21311	39676	0
80	26	51109	25370	45822	0
80	28	54847	27322	49539	0
80	30	58584	29273	53258	0
80	32	62320	33785	56979	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
82	10	20353	9101	15656	0
82	12	24006	10922	19204	0
82	14	27645	12742	22767	0
82	16	31276	14562	26337	0
82	18	34900	16383	29915	0
82	20	38521	18203	33496	0
82	22	42137	20023	37081	0
82	24	45752	21844	40668	0
82	26	52386	26005	46967	0
82	28	56218	28005	50778	0
82	30	60049	30005	54590	0
82	32	63878	34630	58403	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
84	10	20849	9323	16038	0
84	12	24591	11188	19673	0
84	14	28319	13053	23322	0
84	16	32039	14918	26980	0
84	18	35752	16782	30644	0
84	20	39460	18647	34313	0
84	22	43165	20512	37985	0
84	24	46868	24392	41660	0
84	26	53664	26639	48113	0
84	28	57589	28688	52016	0
84	30	61513	33257	55921	0
84	32	65436	35474	59827	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
86	10	21345	9545	16419	0
86	12	25177	11455	20141	0
86	14	28994	13364	23877	0
86	16	32801	15273	27622	0
86	18	36603	17182	31374	0
86	20	40400	19091	35130	0
86	22	44193	21000	38890	0
86	24	47984	24973	42652	0
86	26	54942	27273	49258	0
86	28	58961	29371	53255	0
86	30	62978	34049	57253	0
86	32	66994	36319	61252	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
88	10	21842	9767	16801	0
88	12	25762	11721	20610	0
88	14	29668	13674	24432	0
88	16	33564	15628	28265	0
88	18	37454	17581	32103	0
88	20	41339	19535	35947	0
88	22	45221	21488	39794	0
88	24	49099	25554	43644	0
88	26	56220	27907	50404	0
88	28	60332	30054	54493	0
88	30	64443	34841	58584	0
88	32	68552	37164	62676	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
90	10	22338	9989	17183	0
90	12	26348	11987	21078	0
90	14	30342	13985	24988	0
90	16	34327	15983	28907	0
90	18	38305	17981	32833	0
90	20	42279	19979	36764	0
90	22	46248	21977	40699	0
90	24	50215	26135	44636	0
90	26	57497	28542	51549	0
90	28	61703	33257	55732	0
90	30	65907	35633	59916	0
90	32	70110	38008	64101	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
92	10	22835	10211	17565	0
92	12	26933	12254	21546	0
92	14	31016	14296	25543	0
92	16	35090	16338	29549	0
92	18	39156	18381	33563	0
92	20	43218	20423	37581	0
92	22	47276	24489	41603	0
92	24	51331	26715	45628	0
92	26	58775	29176	52695	0
92	28	63074	33996	56970	0
92	30	67372	36424	61247	0
92	32	71668	38853	65525	0

HIGHER POWER HYDRAULIC DOORS
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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
94	10	23331	10433	17947	0
94	12	27519	12520	22015	0
94	14	31691	14607	26098	0
94	16	35853	16693	30192	0
94	18	40008	18780	34292	0
94	20	44158	20867	38398	0
94	22	48304	25021	42507	0
94	24	52447	27296	46620	0
94	26	60053	29810	53840	0
94	28	64445	34735	58209	0
94	30	68836	37216	62579	0
94	32	73226	42705	66950	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
96	10	23827	10655	18329	0
96	12	28104	12786	22483	0
96	14	32365	14918	26654	0
96	16	36616	17049	30834	0
96	18	40859	19180	35022	0
96	20	45097	21311	39215	0
96	22	49332	25554	43412	0
96	24	53563	27877	47612	0
96	26	61330	30444	54986	0
96	28	65817	35474	59447	0
96	30	70301	38008	63910	0
96	32	74784	43614	68374	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
98	10	24324	10877	18711	0
98	12	28690	13053	22952	0
98	14	33039	15228	27209	0
98	16	37378	17404	31477	0
98	18	41710	19579	35752	0
98	20	46037	21755	40032	0
98	22	50359	26086	44316	0
98	24	54679	28458	48603	0
98	26	62608	33627	56131	0
98	28	67188	36213	60686	0
98	30	71766	38800	65242	0
98	32	76342	44523	69799	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
100	10	24820	11099	19092	0
100	12	29275	13319	23420	0
100	14	33714	15539	27764	0
100	16	38141	17759	32119	0
100	18	42561	19979	36481	0
100	20	46976	22199	40849	0
100	22	51387	26619	45221	0
100	24	55795	29038	49595	0
100	26	63886	34313	57277	0
100	28	68559	36952	61924	0
100	30	73230	42592	66573	0
100	32	77900	45431	71223	0

HIGHER POWER HYDRAULIC DOORS
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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
105	10	26061	11654	20047	0
105	12	30739	13985	24591	0
105	14	35399	16316	29152	0
105	16	40048	18647	33725	0
105	18	44689	20978	38305	0
105	20	49325	25409	42891	0
105	22	53956	27950	47482	0
105	24	58585	33010	52075	0
105	26	67080	36029	60141	0
105	28	71987	38800	65020	0
105	30	76892	44721	69902	0
105	32	81795	47703	74784	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
110	10	27302	12209	21002	0
110	12	32203	14651	25762	0
110	14	37085	17093	30540	0
110	16	41955	19535	35331	0
110	18	46818	21977	40129	0
110	20	51674	26619	44934	0
110	22	56526	29280	49743	0
110	24	61374	34582	54555	0
110	26	70274	37744	63005	0
110	28	75415	43728	68117	0
110	30	80553	46851	73230	0
110	32	85690	53494	78345	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
115	10	28543	12764	21956	0
115	12	33666	15317	26933	0
115	14	38771	17870	31929	0
115	16	43862	20423	36937	0
115	18	48946	25046	41953	0
115	20	54023	27829	46976	0
115	22	59095	33141	52004	0
115	24	64164	36154	57035	0
115	26	73469	39460	65869	0
115	28	78843	45715	71213	0
115	30	84215	48981	76559	0
115	32	89585	55926	81907	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
120	10	29784	13319	22911	0
120	12	35130	15983	28104	0
120	14	40456	18647	33317	0
120	16	45769	21311	38543	0
120	18	51074	26135	43777	0
120	20	56371	29038	49019	0
120	22	61664	34582	54265	0
120	24	66954	37726	59514	0
120	26	76663	44296	68732	0
120	28	82271	47703	74309	0
120	30	87876	54710	79888	0
120	32	93480	58358	85468	0

HIGHER POWER HYDRAULIC DOORS
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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
125	10	31025	13874	23866	0
125	12	36594	16649	29275	0
125	14	42142	19424	34705	0
125	16	47676	22199	40149	0
125	18	53202	27224	45602	0
125	20	58720	32748	51061	0
125	22	64234	36023	56526	0
125	24	69743	42298	61994	0
125	26	79857	46141	71596	0
125	28	85699	53190	77405	0
125	30	91538	56990	83216	0
125	32	97375	64789	89029	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
130	10	32266	14429	24820	0
130	12	38058	17315	30446	0
130	14	43828	20201	36093	0
130	16	49584	25167	41755	0
130	18	55330	28313	47426	0
130	20	61069	34058	53104	0
130	22	66803	37464	58787	0
130	24	72533	43990	64474	0
130	26	83052	47987	74460	0
130	28	89127	55318	80501	0
130	30	95199	59269	86545	0
130	32	101270	67381	92590	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
135	10	33507	14984	25775	0
135	12	39521	17981	31617	0
135	14	45513	20978	37481	0
135	16	51491	26135	43361	0
135	18	57458	29401	49250	0
135	20	63418	35368	55146	0
135	22	69373	38905	61048	0
135	24	75323	45682	66954	0
135	26	86246	53342	77324	0
135	28	92554	57446	83598	0
135	30	98861	65599	89874	0
135	32	105165	69972	96151	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
140	10	34748	15539	26729	0
140	12	40985	18647	32788	0
140	14	47199	21755	38870	0
140	16	53398	27103	44966	0
140	18	59586	33010	51074	0
140	20	65767	36678	57188	0
140	22	71942	43426	63309	0
140	24	78113	47374	69434	0
140	26	89440	55318	80188	0
140	28	95982	59573	86694	0
140	30	102522	68029	93202	0
140	32	109060	72564	99712	0

HIGHER POWER HYDRAULIC DOORS
UNFACTORED DOOR JAMB REACTIONS - 205 mph - ASCE 7-22 / IBC-24

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
145	10	35989	16094	27684	0
145	12	42449	19313	33959	0
145	14	48885	24562	40258	0
145	16	55305	28071	46572	0
145	18	61714	34189	52898	0
145	20	68116	37988	59231	0
145	22	74511	44977	65570	0
145	24	80902	49066	71913	0
145	26	92634	57294	83052	0
145	28	99410	65761	89790	0
145	30	106184	70458	96531	0
145	32	112955	79795	103274	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
150	10	37230	16649	28639	0
150	12	43913	19979	35130	0
150	14	50570	25409	41646	0
150	16	57212	29038	48178	0
150	18	63842	35368	54722	0
150	20	70464	42298	61273	0
150	22	77081	46528	67831	0
150	24	83692	54358	74393	0
150	26	95829	59269	85915	0
150	28	102838	68029	92886	0
150	30	109845	77388	99859	0
150	32	116850	82547	106835	0