

HIGHER POWER HYDRAULIC DOORS
UNFACTORED DOOR JAMB REACTIONS - 130 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
11.5	$h \leq 24$ ft	130	35.3	50	7.2	50	3.2	-5.9
	24 ft < $h \leq 32$ ft		37.5		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	2994	2205	2303	0
30	12	3532	2646	2825	0
30	14	4067	3087	3350	0
30	16	4601	3528	3875	0
30	18	5135	3969	4401	0
30	20	5667	4410	4928	0
30	22	6199	4851	5456	0
30	24	6731	5292	5983	0
30	26	7707	5809	6910	0
30	28	8271	6256	7471	0
30	30	8835	6703	8032	0
30	32	9398	7149	8593	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
32	10	3194	2352	2457	0
32	12	3767	2822	3014	0
32	14	4338	3293	3573	0
32	16	4908	3763	4133	0
32	18	5477	4233	4695	0
32	20	6045	4704	5257	0
32	22	6613	5174	5819	0
32	24	7180	5644	6382	0
32	26	8221	6196	7371	0
32	28	8823	6673	7969	0
32	30	9424	7149	8567	0
32	32	10025	7626	9165	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
34	10	3394	2499	2610	0
34	12	4003	2999	3202	0
34	14	4610	3498	3796	0
34	16	5215	3998	4392	0
34	18	5819	4498	4988	0
34	20	6423	4998	5585	0
34	22	7026	5497	6183	0
34	24	7629	5997	6781	0
34	26	8735	6583	7831	0
34	28	9374	7090	8467	0
34	30	10013	7596	9102	0
34	32	10651	8103	9738	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
36	10	3593	2646	2764	0
36	12	4238	3175	3391	0
36	14	4881	3704	4019	0
36	16	5522	4233	4650	0
36	18	6162	4762	5281	0
36	20	6801	5292	5914	0
36	22	7439	5821	6547	0
36	24	8077	6350	7180	0
36	26	9249	6971	8292	0
36	28	9925	7507	8965	0
36	30	10602	8043	9638	0
36	32	11278	8579	10311	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
38	10	3793	2793	2918	0
38	12	4474	3351	3579	0
38	14	5152	3910	4243	0
38	16	5829	4468	4908	0
38	18	6504	5027	5575	0
38	20	7179	5586	6242	0
38	22	7853	6144	6910	0
38	24	8526	6703	7579	0
38	26	9763	7358	8753	0
38	28	10477	7924	9463	0
38	30	11191	8490	10173	0
38	32	11904	9056	10884	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
40	10	3992	2940	3071	0
40	12	4709	3528	3767	0
40	14	5423	4116	4466	0
40	16	6135	4704	5167	0
40	18	6846	5292	5868	0
40	20	7556	5879	6571	0
40	22	8266	6467	7274	0
40	24	8975	7055	7978	0
40	26	10276	7745	9213	0
40	28	11028	8341	9961	0
40	30	11780	8937	10709	0
40	32	12531	9533	11457	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
42	10	4192	3087	3225	0
42	12	4945	3704	3956	0
42	14	5694	4321	4689	0
42	16	6442	4939	5425	0
42	18	7189	5556	6162	0
42	20	7934	6173	6899	0
42	22	8679	6791	7638	0
42	24	9424	7408	8377	0
42	26	10790	8132	9674	0
42	28	11580	8758	10459	0
42	30	12369	9384	11244	0
42	32	13157	10009	12030	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
44	10	4392	3234	3378	0
44	12	5180	3880	4144	0
44	14	5965	4527	4913	0
44	16	6749	5174	5683	0
44	18	7531	5821	6455	0
44	20	8312	6467	7228	0
44	22	9093	7114	8001	0
44	24	9872	7761	8776	0
44	26	11304	8520	10135	0
44	28	12131	9175	10957	0
44	30	12958	9830	11780	0
44	32	13784	10486	12602	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
46	10	4591	3381	3532	0
46	12	5415	4057	4332	0
46	14	6236	4733	5136	0
46	16	7056	5409	5942	0
46	18	7873	6085	6748	0
46	20	8690	6761	7556	0
46	22	9506	7438	8365	0
46	24	10321	8114	9174	0
46	26	111818	8907	10595	0
46	28	12682	9592	11455	0
46	30	13547	10277	12315	0
46	32	14410	10962	13175	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
48	10	4791	3528	3685	0
48	12	5651	4233	4521	0
48	14	6508	4939	5359	0
48	16	7362	5644	6200	0
48	18	8216	6350	7042	0
48	20	9068	7055	7885	0
48	22	9919	7761	8729	0
48	24	10770	8466	9573	0
48	26	12332	9294	11056	0
48	28	13234	10009	11953	0
48	30	14135	10724	12850	0
48	32	15037	11439	13748	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
50	10	4991	3675	3839	0
50	12	5886	4410	4709	0
50	14	6779	5145	5583	0
50	16	7669	5879	6458	0
50	18	8558	6614	7335	0
50	20	9446	7349	8214	0
50	22	10332	8084	9093	0
50	24	11219	8819	9972	0
50	26	12846	9681	11517	0
50	28	13785	10426	12451	0
50	30	14724	11171	13386	0
50	32	15663	11916	14321	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
52	10	5190	3822	3992	0
52	12	6122	4586	4897	0
52	14	7050	5350	5806	0
52	16	7976	6115	6716	0
52	18	8900	6879	7629	0
52	20	9823	7643	8542	0
52	22	10746	8408	9456	0
52	24	11667	9172	10371	0
52	26	13359	10069	11977	0
52	28	14337	10843	12949	0
52	30	15313	11618	13921	0
52	32	16290	12392	14894	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
54	10	5390	3969	4146	0
54	12	6357	4762	5086	0
54	14	7321	5556	6029	0
54	16	8283	6350	6975	0
54	18	9242	7144	7922	0
54	20	10201	7937	8871	0
54	22	11159	8731	9820	0
54	24	12116	9525	10770	0
54	26	13873	10456	12438	0
54	28	14888	11260	13447	0
54	30	15902	12065	14457	0
54	32	16917	12869	15467	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
56	10	5589	4116	4300	0
56	12	6593	4939	5274	0
56	14	7592	5762	6252	0
56	16	8589	6585	7233	0
56	18	9585	7408	8216	0
56	20	10579	8231	9199	0
56	22	11572	9054	10184	0
56	24	12565	9878	11169	0
56	26	14387	10843	12899	0
56	28	15439	11677	13945	0
56	30	16491	12511	14992	0
56	32	17543	13346	16039	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
58	10	5789	4263	4453	0
58	12	6828	5115	5463	0
58	14	7863	5968	6476	0
58	16	8896	6820	7491	0
58	18	9927	7673	8509	0
58	20	10957	8525	9528	0
58	22	11986	9378	10547	0
58	24	13014	10230	11568	0
58	26	14901	11230	13359	0
58	28	15991	12094	14443	0
58	30	17080	12958	15528	0
58	32	18170	13822	16612	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
60	10	5989	4410	4607	0
60	12	7064	5292	5651	0
60	14	8135	6173	6699	0
60	16	9203	7055	7750	0
60	18	10269	7937	8802	0
60	20	11335	8819	9856	0
60	22	12399	9701	10911	0
60	24	13462	10583	11967	0
60	26	15415	11618	13820	0
60	28	16542	12511	14941	0
60	30	17669	13405	16063	0
60	32	18796	14299	17185	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
62	10	6188	4557	4760	0
62	12	7299	5468	5839	0
62	14	8406	6379	6922	0
62	16	9510	7291	8008	0
62	18	10612	8202	9096	0
62	20	11712	9113	10185	0
62	22	12812	10025	11275	0
62	24	13911	10936	12366	0
62	26	15929	12005	14281	0
62	28	17094	12928	15439	0
62	30	18258	13852	16598	0
62	32	19423	14775	17758	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
64	10	6388	4704	4914	0
64	12	7535	5644	6028	0
64	14	8677	6585	7146	0
64	16	9816	7526	8266	0
64	18	10954	8466	9389	0
64	20	12090	9407	10513	0
64	22	13226	10348	11638	0
64	24	14360	11289	12764	0
64	26	16442	12392	14741	0
64	28	17645	13346	15937	0
64	30	18847	14299	17134	0
64	32	20049	17300	18331	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
66	10	6588	4851	5067	0
66	12	7770	5821	6216	0
66	14	8948	6791	7369	0
66	16	10123	7761	8525	0
66	18	11296	8731	9683	0
66	20	12468	9701	10842	0
66	22	13639	10671	12002	0
66	24	14809	11641	13163	0
66	26	16956	12780	15202	0
66	28	18196	13763	16436	0
66	30	19436	14746	17669	0
66	32	20676	17841	18904	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
68	10	6787	4998	5221	0
68	12	8005	5997	6404	0
68	14	9219	6997	7592	0
68	16	10430	7996	8783	0
68	18	11639	8996	9976	0
68	20	12846	9995	11170	0
68	22	14052	10995	12366	0
68	24	15257	11994	13562	0
68	26	17470	13167	15663	0
68	28	18748	14180	16934	0
68	30	20025	17232	18205	0
68	32	21302	18381	19476	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
70	10	6987	5145	5374	0
70	12	8241	6173	6593	0
70	14	9490	7202	7816	0
70	16	10737	8231	9041	0
70	18	11981	9260	10269	0
70	20	13224	10289	11499	0
70	22	14465	11318	12730	0
70	24	15706	12347	13961	0
70	26	17984	13554	16123	0
70	28	19299	14597	17432	0
70	30	20614	17739	18740	0
70	32	21929	18922	20049	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
72	10	7186	5292	5528	0
72	12	8476	6350	6781	0
72	14	9761	7408	8039	0
72	16	11043	8466	9300	0
72	18	12323	9525	10563	0
72	20	13602	10583	11827	0
72	22	14879	11641	13093	0
72	24	16155	12700	14360	0
72	26	18498	13941	16584	0
72	28	19851	17030	17930	0
72	30	21203	18246	19276	0
72	32	22555	19463	20622	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
74	10	7386	5439	5682	0
74	12	8712	6526	6969	0
74	14	10033	7614	8262	0
74	16	11350	8702	9558	0
74	18	12666	9789	10856	0
74	20	13979	10877	12156	0
74	22	15292	11965	13457	0
74	24	16604	13052	14759	0
74	26	17984	14329	17045	0
74	28	19299	17503	18428	0
74	30	20614	18753	19811	0
74	32	21929	20003	21195	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
76	10	7586	5586	5835	0
76	12	8947	6703	7158	0
76	14	10304	7820	8485	0
76	16	11657	8937	9816	0
76	18	13008	10054	11150	0
76	20	14357	11171	12485	0
76	22	15705	12288	13821	0
76	24	17052	13405	15158	0
76	26	19525	14716	17505	0
76	28	20953	17976	18926	0
76	30	22381	19260	20347	0
76	32	23808	20544	21768	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
78	10	7785	5733	5989	0
78	12	9183	6879	7346	0
78	14	10575	8026	8709	0
78	16	11964	9172	10075	0
78	18	13350	10319	11443	0
78	20	14735	11465	12813	0
78	22	16119	12612	14184	0
78	24	17501	13758	15557	0
78	26	20039	17131	17966	0
78	28	21505	18449	19424	0
78	30	22970	19767	20882	0
78	32	24435	21084	22341	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
80	10	7985	5879	6142	0
80	12	9418	7055	7535	0
80	14	10846	8231	8932	0
80	16	12271	9407	10333	0
80	18	13693	10583	11736	0
80	20	15113	11759	13142	0
80	22	16532	12935	14548	0
80	24	17950	14111	15955	0
80	26	20553	17570	18427	0
80	28	22056	18922	19922	0
80	30	23559	20273	21417	0
80	32	25062	24185	22913	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
82	10	8185	6026	6296	0
82	12	9654	7232	7723	0
82	14	11117	8437	9155	0
82	16	12577	9642	10591	0
82	18	14035	10848	12030	0
82	20	15491	12053	13470	0
82	22	16945	13258	14912	0
82	24	18399	14464	16354	0
82	26	21067	18010	18887	0
82	28	22608	19395	20420	0
82	30	24148	20780	21953	0
82	32	25688	24790	23486	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
84	10	8384	6173	6449	0
84	12	9889	7408	7911	0
84	14	11388	8643	9379	0
84	16	12884	9878	10850	0
84	18	14377	11112	12323	0
84	20	15869	12347	13799	0
84	22	17358	13582	15275	0
84	24	18847	16832	16753	0
84	26	21581	18449	19348	0
84	28	23159	19868	20918	0
84	30	24737	23807	22488	0
84	32	26315	25394	24059	0

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Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
86	10	8584	6320	6603	0
86	12	10125	7585	8100	0
86	14	11660	8849	9602	0
86	16	13191	10113	11108	0
86	18	14720	11377	12617	0
86	20	16246	12641	14127	0
86	22	17772	13905	15639	0
86	24	19296	17233	17152	0
86	26	22094	18888	19809	0
86	28	23711	20341	21416	0
86	30	25326	24374	23024	0
86	32	26941	25999	24632	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
88	10	8783	6467	6757	0
88	12	10360	7761	8288	0
88	14	11931	9054	9825	0
88	16	13498	10348	11366	0
88	18	15062	11641	12910	0
88	20	16624	12935	14456	0
88	22	18185	14228	16003	0
88	24	19745	17634	17551	0
88	26	22608	19327	20269	0
88	28	24262	20814	21914	0
88	30	25915	24941	23559	0
88	32	27568	26604	25205	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
90	10	8983	6614	6910	0
90	12	10595	7937	8476	0
90	14	12202	9260	10049	0
90	16	13804	10583	11625	0
90	18	15404	11906	13204	0
90	20	17002	13229	14784	0
90	22	18598	14552	16367	0
90	24	20194	18035	17950	0
90	26	23122	19767	20730	0
90	28	24813	23807	22412	0
90	30	26504	25508	24095	0
90	32	28194	27208	25778	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
92	10	9183	6761	7064	0
92	12	10831	8114	8665	0
92	14	12473	9466	10272	0
92	16	14111	10818	11883	0
92	18	15746	12171	13497	0
92	20	17380	13523	15113	0
92	22	19012	16899	16730	0
92	24	20642	18435	18349	0
92	26	23636	20206	21191	0
92	28	25365	24336	22910	0
92	30	27093	26074	24630	0
92	32	28821	27813	26350	0

HIGHER POWER HYDRAULIC DOORS
UNFACTORED DOOR JAMB REACTIONS - 130 mph - ASCE 7-22 / IBC-24

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
94	10	9382	6908	7217	0
94	12	11066	8290	8853	0
94	14	12744	9672	10495	0
94	16	14418	11053	12141	0
94	18	16089	12435	13790	0
94	20	17758	13817	15441	0
94	22	19425	17266	17094	0
94	24	21091	18836	18748	0
94	26	24150	20645	21651	0
94	28	25916	24865	23408	0
94	30	27682	26641	25165	0
94	32	29447	31425	26923	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
96	10	9582	7055	7371	0
96	12	11302	8466	9041	0
96	14	13015	9878	10718	0
96	16	14725	11289	12400	0
96	18	16431	12700	14084	0
96	20	18135	14111	15770	0
96	22	19838	17634	17458	0
96	24	21540	19237	19147	0
96	26	24664	21084	22112	0
96	28	26468	25394	23906	0
96	30	28271	27208	25701	0
96	32	30074	32094	27496	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
98	10	9782	7202	7524	0
98	12	11537	8643	9230	0
98	14	13286	10083	10942	0
98	16	15031	11524	12658	0
98	18	16773	12964	14377	0
98	20	18513	14405	16098	0
98	22	20252	18001	17821	0
98	24	21989	19638	19545	0
98	26	25177	24072	22573	0
98	28	27019	25923	24404	0
98	30	28860	27775	26236	0
98	32	30700	32763	28069	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
100	10	9981	7349	7678	0
100	12	11773	8819	9418	0
100	14	13558	10289	11165	0
100	16	15338	11759	12916	0
100	18	17116	13229	14671	0
100	20	18891	14699	16427	0
100	22	20665	18369	18185	0
100	24	22437	20038	19944	0
100	26	25691	24563	23033	0
100	28	27570	26452	24902	0
100	30	29449	31342	26772	0
100	32	31327	33431	28642	0

HIGHER POWER HYDRAULIC DOORS
UNFACTORED DOOR JAMB REACTIONS - 130 mph - ASCE 7-22 / IBC-24

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
105	10	10480	7717	8062	0
105	12	12361	9260	9889	0
105	14	14235	10804	11723	0
105	16	16105	12347	13562	0
105	18	17971	13890	15404	0
105	20	19836	17534	17248	0
105	22	21698	19287	19094	0
105	24	23559	23560	20942	0
105	26	26976	25791	24185	0
105	28	28949	27775	26147	0
105	30	30921	32909	28110	0
105	32	32893	35103	30074	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
110	10	10979	8084	8446	0
110	12	12950	9701	10360	0
110	14	14913	11318	12282	0
110	16	16872	12935	14208	0
110	18	18827	14552	16138	0
110	20	20780	18369	18070	0
110	22	22731	20205	20004	0
110	24	24681	24682	21939	0
110	26	28260	27019	25337	0
110	28	30327	32178	27393	0
110	30	32394	34476	29449	0
110	32	34460	40294	31506	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
115	10	11478	8452	8830	0
115	12	13539	10142	10831	0
115	14	15591	11832	12840	0
115	16	17639	13523	14854	0
115	18	19683	17283	16871	0
115	20	21725	19204	18891	0
115	22	23765	23654	20913	0
115	24	25803	25804	22936	0
115	26	29545	28247	26488	0
115	28	31706	33640	28638	0
115	30	33866	36043	30788	0
115	32	36026	42126	32938	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
120	10	11977	8819	9213	0
120	12	14127	10583	11302	0
120	14	16269	12347	13398	0
120	16	18406	14111	15500	0
120	18	20539	18035	17605	0
120	20	22669	20038	19712	0
120	22	24798	24682	21822	0
120	24	26925	26926	23933	0
120	26	30829	32596	27640	0
120	28	33084	35103	29883	0
120	30	35339	41210	32126	0
120	32	37592	43958	34370	0

HIGHER POWER HYDRAULIC DOORS
UNFACTORED DOOR JAMB REACTIONS - 130 mph - ASCE 7-22 / IBC-24

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
125	10	12477	9187	9597	0
125	12	14716	11024	11773	0
125	14	16947	12861	13956	0
125	16	19173	14699	16145	0
125	18	21395	18786	18338	0
125	20	23614	23373	20534	0
125	22	25831	25711	22731	0
125	24	28047	31048	24930	0
125	26	32114	33954	28792	0
125	28	34463	40065	31128	0
125	30	36811	42927	33465	0
125	32	39159	49789	35802	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
130	10	12976	9554	9981	0
130	12	15305	11465	12244	0
130	14	17625	13376	14515	0
130	16	19940	17367	16791	0
130	18	22250	19538	19072	0
130	20	24558	24308	21355	0
130	22	26864	26739	23641	0
130	24	29169	32290	25928	0
130	26	33399	35312	29943	0
130	28	35841	41668	32373	0
130	30	38284	44644	34803	0
130	32	40725	51781	37234	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
135	10	13475	9922	10365	0
135	12	15893	11906	12715	0
135	14	18303	13890	15073	0
135	16	20707	18035	17437	0
135	18	23106	20289	19805	0
135	20	25503	25243	22177	0
135	22	27898	27768	24550	0
135	24	30290	33532	26925	0
135	26	34683	40180	31095	0
135	28	37220	43271	33618	0
135	30	39756	50411	36142	0
135	32	42291	53772	38666	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
140	10	13974	10289	10749	0
140	12	16482	12347	13185	0
140	14	18981	14405	15631	0
140	16	21473	18703	18083	0
140	18	23962	23560	20539	0
140	20	26448	26178	22998	0
140	22	28931	31876	25459	0
140	24	31412	34774	27922	0
140	26	35968	41668	32247	0
140	28	38599	44873	34863	0
140	30	41229	52279	37480	0
140	32	43858	55764	40099	0

HIGHER POWER HYDRAULIC DOORS
UNFACTORED DOOR JAMB REACTIONS - 130 mph - ASCE 7-22 / IBC-24

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
145	10	14473	10657	11133	0
145	12	17070	12788	13656	0
145	14	19659	16949	16189	0
145	16	22240	19371	18729	0
145	18	24818	24402	21272	0
145	20	27392	27113	23819	0
145	22	29964	33014	26368	0
145	24	32534	36016	28919	0
145	26	37252	43156	33399	0
145	28	39977	50536	36108	0
145	30	42701	54146	38819	0
145	32	45424	62395	41531	0

Door Size		Base Reaction (#)		Top Reaction (#)	
Width (ft)	Height (ft)	Horiz. (#) *	Vert. (#)	Horiz. (#) *	Vert. (#)
150	10	14972	11024	11517	0
150	12	17659	13229	14127	0
150	14	20336	17534	16748	0
150	16	23007	20038	19375	0
150	18	25674	25243	22006	0
150	20	28337	31048	24641	0
150	22	30997	34153	27278	0
150	24	33656	40858	29917	0
150	26	38537	44644	34550	0
150	28	41356	52279	37353	0
150	30	44173	60513	40158	0
150	32	46990	64547	42963	0