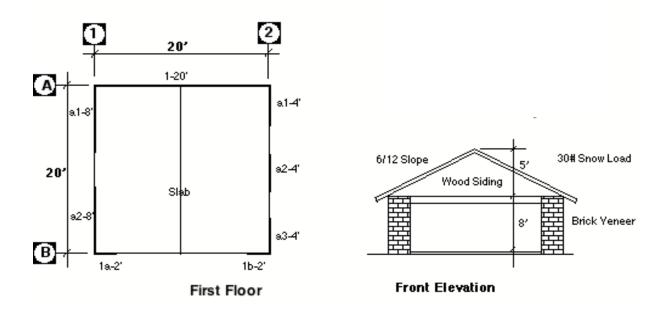
## MaxQuake **Example Projects**

## Example 1

South Jordan UT	
Location:	Zip Code 84095
Code:	O6 IBC
Site Class:	В
Occ Cat:	II
Ss:	119%
S1:	48%
TL:	8
Wind Speed:	90
Exposure:	В



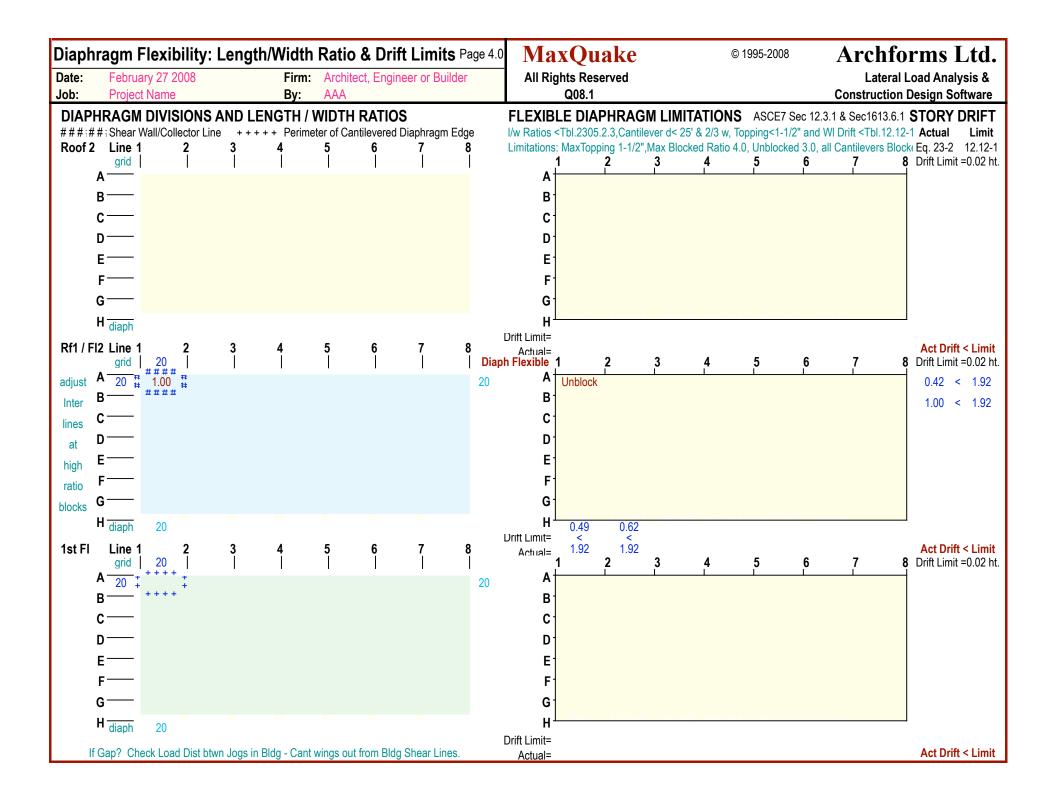
Look For Example pdf files in the MaxQuake Software Folder. Open: Select Thumbnail Tab to see all the MaxQuake pages Change the display scale to show one page at a time. Print out to look more closely at project drawing and how Data is entered in MaxQuake and the values calculated.

Lateral Loading:	Area, H	leight 8	. Weig	ht Data		Page 1.	1 of 1.3		Ma	xQu	ake	© 19	95-2008	Arc	hfor	ms l	Ltd.
Date: February 27 2008			Firm:	Architect, E	Engineer	r or Builder			All Rig	ghts Rese	erved			L	ateral Lo	ad Analy	/sis &
Job: Example 1			By:	AAA	-					Q08.2h				Constru	uction D	esign So	ftware
FLOOR PLAN ARE	AS & S	HEAR WA	ALL GR	ID SPAC	ING							TYPICA	L DEAD	LOADS	1	Nind Area	Calc 🔶
•Establish Grid Spacing,a	nd Floor	Plan Config	uration at	Each Leve	Ŀ	$\sim$	~ ~					<ul> <li>Establish</li> </ul>	n Dead Load	ds (Ibs/sf)•			
Left (*	1) (	2) (3	3) (	4) (!	5) (	(6) (7	() (	8) Right					Roof		Inter	ior Wall	
					-		-	Roof	Floor				Roofing	3		Gyp.Bd	6
Shear Wall Spacing	20							Block	Block	Perim	Overall	FL wdth	Sheathing	1.5		Framing	4
A Back								Area+OH	Area	Wall	Width		Framing	2	h	nt. Finish	
												Vt Rf Area	Snow	7.5	_	Other	40
2nd Fl/Rf 1 20	R							560	400	40	20	L-R	0.11	14			10
$\left( \begin{array}{c} B \\ \hline B \\ \hline Roof 2 \end{array} \right) = \frac{1 \text{st Fl}}{1 \text{st Fl}}$	1								400	40 of at 2nd Fl	20 20	Zone E=	Ceiling Insulation	4	Ester		
2nd FI/Rf 1									ROO	n al 2nu Fi	ZU Typ OH	120	Framing	0.5		ior Wall Ext Finish	15
											L to R	Zone G=	Gyp. Bd.	2		Shear	1.5
$\frac{151 \text{ FI}}{\text{Roof 2}}$											2	20110-0-	Oyp. bu. Other	2		Framing	3
2nd FI/Rf 1											Hz Rf Area	280	Othor	3.5	-	nsulation	U
												OhZoneE	Floor			Gyp. Bd.	
$D \frac{151 \text{ FI}}{\text{Roof 2}}$													Floor	4		nt .Finish	
2nd FI/Rf 1											60	24	Sub. Fl.	2		Other	
1st Fl											Zone D=	OhZoneG	Framing	3.5		-	19.5
E Roof 2													Insul	0.5			
2nd FI/Rf 1											40	16	Topping		1-1/2"=1	8psf	
$(\mathbf{F}) \frac{1 \text{st Fl}}{\text{Roof 2}}$											Hz WI Area		Other		_		
											Zone A=	_		10			
2nd FI/Rf 1													HEIGHT				
$\frac{1 \text{st Fl}}{\text{Roof 2}}$								_			96		1 Floor to Fl		oof Heigh	ts (ft)•	
											Zone C=	Roof	Roof	Floor			
2nd FI/Rf 1											64	Pitch X/12	Height	Height	- /	<u> </u>	< l>
H 1st Fl Front									N	I Plan w/	both Legs>	N/12				Ro	nf
Roof 2	Tv	pical Overha	na E to B	2				-	15% of Pla		SW offset.Y?				-		<u> </u>
Roof Block Area+OH				-				L		ea + OH =		5	5			2nd Fl	/Reof
Overall Depth		a=	3	Zone B=		Zone D=		Vt Rf Area		B Zone E=					+	/	
2nd FI / Roof 1	20	Dpth of Ro	of 2nd Fl					Oh Zone E=	FE	3 Zone G=		2n	d FI Depth				
Roof Block Area+OH	560								Rf 1 Ar	ea + OH =	560	FLt	o Fl Height	8		1st F	loor
Floor Block Area								Oh Zone G=	Floo	or 2 Area =					1.	-	
Perimeter Wall									WI 2 P	erimeter =		1st FI Dp	- S if Zero	S		Base/ G	awl Sp
Overall Depth	20	a=	3	Zone B=	15	Zone D=				B Zone E=	120	Ave.	Sill to FI Ht		-		
1st Floor		Dpth of Ro	of 1st Fl	Zone A=		Zone C=		Oh Zone E=		3 Zone G=	120				_	Slab/Fou	ndation
Floor Block Area	400							24		or 1 Area =	400		Ht.@Ridge	13.00			
Perimeter Wall	40							Oh Zone G=	WI1 P	erimeter =	80		Ht.@Gable	10.50	Ridge	F to B	L to R
Overall Depth	20	a=	3	Zone A=	96	Zone C=	64	16					an Roof Ht.	10.50	Runs?	Y	
ASCE7 a = less of 10%of	least horiz	z dim or 40%	of ht but n	ot less than	4%of lea	st horiz dim b	ut at leas	3 ft. Sec 6.2 l	Low-rise B	Building: ht	< 60 ft. Rf h	t < least hor	iz dim.		Hips?		

Lateral	Load Analysi	S					Pa	age 2.	0 <b>Ma</b>	xQu	ake	© 1995-200	)8	A	Archf	orms	Ltd.
Date:	February 27 2008	}				, Engineer	or Builde	ər	All Rig	ghts Res						al Load An	•
Job:	Project Name			By:	AAA					Q08.2h				C	onstructio	n Design	Software
SEISMIC	LOADS								BUILDING	CODE			07 CBC	X	06 IBC		
•Establish	Dead Loads•					Sec.12.7	.2 ASCE7	7					4				
	Mat. Weights	2nd Floo	r	1st Floor	r	Base Lev	el		<ul> <li>Vertical Distr</li> </ul>	ibution o	of Shear to	Various Leve	els•			Sec. 12.	.8.3 ASCE
	Item DL(psf)	Area (sf)	DL(lbs)	Area(sf)	DL(lbs)	Area(sf)	DL(lbs)		Fx= V (Wtx)(H	tx)^k/Sum	n(Wti)(Hti)^k	Eq.(12.8-11)	Ht from pla	te to foundat	ion	Eh= pQe	Eq.(12.4-3
	Wt Roof 14			560	7,840			_	k= 1	Eq.(12.8-	12) ASCE7	Wt x	Ht x^k	(Wt)(Ht)^k	Fx	p F to B	p L to R
	Wt Ceil 3.5			400	1,400						Roof 2			. ,. ,		1.30	1.30
	Wt Ext WI 19.5			320	6,240						2nd FI/Rf 1	15,480	8	123,840	1,571	1.00	1.00
	Wt Int WI 10										1st Floor						
	Wt Floor 10										Sum	15,480	8	123,840	1,571	Sec 12	2.3.4 ASCE
		Sum 2nd		Sum 1st	15,480	Base		-									
	interior wall default:	10 psf of flo	or area		Sum 2nd,	1st & Base	15,480		WIND LOA	DS	•Adjuste	ed Wind Zon	e Loads•	Eq. (6	6-1) ASCE7	<i>P</i> s=	ztl <i>P</i> s30 =
•Distribute	Weights to Various I	_evels•							IBC Sec 6.4	1 Method	1 (Simplified	d Procedure)	ASCE7	Figure	6-2 ASCE7	Roof 2 Ø	Roof 1 Ø
			Roof 2	2nd Fl	1st Fl		Wt		for design of N	lain Wind	-Force Resi	sting System			Longit	Trans	Trans
	Tributary Weight		Line	Rf 1 Line	Line		Sum	Wir	nd Speed Ps30=	90	Fig 1609 II	BC or Fig 6-1	ASCE7	HZ Zone A	12.8	12.8	16.9
	Wt Roof 2nd							0	Occupancy Cat.=	- 11	Tbl.1604.5	5 IBC or Tbl.1	-1 ASCE7	Zone B	12.8	10.0	10.0
	Wt Ceil 2nd							R	oughness Cat.=	В	Sec 6.5.6.	2 ASCE7 or I	BC1609.4.2	Zone C	10.0	10.0	11.8
	1/2Wt Ext WI 2								Exposure Cat.=	В	Sec 6.5.6.	3 ASCE7 or I	BC1609.4.3	Zone D	10.0	10.0	10.0
	Wt Int WI 2								Importance Iw=	1.00	Tbl. 6-1 AS	SCE7		VT Zone E	-15.4	-15.4	-12.6
	Wt Floor 2							Ht	t & Exp Coef A=	1.00	Fig. 6-2 AS	SCE7		Zone G	-10.7	-10.7	-10.3
	Wt Roof 1st			7,840			7,840	To	opo Factor Kzt =	1.00		ig.6-4 ASCE7	7 _	Zone E oh	-21.6	-21.6	-17.3
	Wt Ceil 1			1,400			1,400		Topo Type =	Flat			н	Zone G oh	-16.9	-16.9	-14.0
	1/2 Wt Ext WI 1			6,240			6,240				Escarpment	t	Hill / Ridge			-	
	Wt Int WI 1							-	Topo Features =	H=		ft z=		ft L=		ft x=	
	Wt Floor 1								•Total Wind L	oad In Ea	ach Directio						
	1/2Wt Ext WI Base									Trib Area			Trib Area L			Wind Load	ł
	Wt Ceil Base							_	Horizontal	B,A area	D,C area	Sum PsA	B,A area	D,C area	Sum PsA	F to B	L to R
		Line Sum		15,480		W=	15,480		Roof 2								
	Base Shear•								Roof 1	15		192	60	40	1,000		
06 IBC	Calculation Method				r	-			2nd Floor							1,126	2,189
Site Class		.2 ASCE7		d %g: Ss=	-	Sec.1613.				96	64	1,869	96	64	2,378		
Occ. Cat				l %g: S1=		-		4 ever	n) Vert Uplift	E,F,Eoh	G,H,Goh	Sum PsA	E,F,Eoh	G,H,Goh	Sum PsA	F to B	L to R
		2.2-1 ASCE7			8	Fig.(22-20			Roof 2					144			
Site Coef. Fa			Seismic Des	-	D	Sec.1613.			Roof 1	144	136	-3,650	144	296	-5,040	3,650	5,040
Site Coef. Fy		3.5.3(2) Seis		. ,	0.145	Eq.(12.8-2											
nportance le			Cs not >Sd1	· · /		for $T < = T$			GOVERNI								
Sms=FaSs		7) IBCCs not		,	NA	for T > TL		-4)	•Maximum To	tal Load	In Each Dir		•	,		Wind %of	
Sm1=FyS1				< 0.01 =		Eq.(12.8-5						Front to Ba	ck	Left to Rig	ght	F to B	L to R
Sds=2/3Sms			s not < 0.5 s	· · /	NA	for S1 =>		(12.8-	6)	• • •	Roof 2						10001
Sd1=2/3Sm1	· · ·		•	)= CsW =		Eq(12.8-1)				2nd F	FI / Roof 1	1,571	Seismic	2,189	Wind	72%	139%
P limit Cu			'= (SD)*0.7='	. ,	· · · · ·		· · ·		. ASCE7 12.4.1		1st Floor						
Ta=Cth	`n 0.12 Eq.(12.8	-7) ASCE7	For Code 1	Table refer	ences use	d by MaxQu	ake see (	Code S	Sections Cited or	Appendix	(A (below)						

Shea					<u> </u>		nts	s D	ata	a, L	_in							_						1 of	3.2	_	I			-	ua			199	5-20	800					A		chi						
Date: Job:			- T.			5							Firi By:			AA	tect	, En	gine	er c	or Bi	uilde	er					All	-	nts I Q08	Rese 2h	rved	1								Co		_ater 'ucti				-		
		Lir	ne '	1		200			.ine		hou				Li	ne		Por	2010			ne		Mo	10.20	da		ine	5	-	multip			ne 6		0110/	drant			ne		1131	ucu			ne			
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	Seg							•	Wa						•	Nall					0	Wall					•	Wall				Se	g W	all Va	arial	bles		Se	ġ١	Wall	Vari	able	S	Se	g١	Nall	Vari	able	эs
vel	q-m	۱L	.g	Ht	ΧE	3 E		η-m	Lg	H	tΧ	В	E		m	Lg	Ht	ΧE	3 E	q	·m	Lg	Ht	Х	3 E		q-m	Lg	Ht	ХB	E	q-n	۱L	.g ⊦	Ht )	ΧВ	Е	q-r	n	Lg	Ht	ΧE	3 E	q-r	n I	Lg	Ht	Х	ΒE
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st	Seg	a W	/all `	Varia	able	s	-	Sea	Wa	ll Va	ariat	les		Se	a /	Nall	Vari	able	s	S	ea \	Wall	Vari	iable	s	-	Sea	Wall	Varia	ables	3	Sec	a W	/all V	/aria	bles	5	Se	a \	Wall	Vari	able	s	Se	a V	Nall	Vari	able	es
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	a1 a2			8		3 E 3 E		a1 a2 a3		444	4	B B	Е																																				
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								0.5	= ma	ax X	(ht/	/ Wa	all ht																																				
ise	Seg	g W	/all `	Varia	able	s	1	Seg	Wa	ll Va	ariat	oles		Se	eg ۱	Nall	Vari	able	s	S	eg '	Wall	Vari	iable	S	1	Seg	Wall	Varia	ables	3	Se	g V	/all V	/aria	bles	\$	Se	g١	Wall	Vari	able	s	Se	g١	Nall	Vari	able	es
vel	<u>q-m</u>	ı L	.g	Ht	XE	3 E	S	<u>η-m</u>	Lg	H	t X	B	ES	<u>3 q-</u> 1	m	Lg	Ht	X E	<u>3 E</u>	S q-	·m	Lg	Ht	X	BE	S	<u>q-m</u>	Lg	Ht	XB	ES	3 q-m	n L	<u>.g</u> F	lt >	×В	E	<u>3 q-r</u>	n	Lg	Ht	XE	3 E \$	3 q-r	n I	Lg	Ht	X	B
	sum	<u></u> ו			Sys	t	S	sum			S	yst		su	m			Sys	t	รเ	ım			Sys	st	S	sum			Syst	t	sun	n		;	Syst		sui	m			Sys	t	sur	m			Sy	st

Shea	ar V	Vall	S	egr	ner	nts	D	ata	I, L	ine	es /	<b>\-H</b>							Pag	e 3.	2 of	3.2		I	Ia	X	Qı	la	ke	© 19	995-2	2008				I	\r	chi	for	ms	5 L	∠td
ate:	Febr	ruary	/ 27	200	8						Fi	rm:	1	Archi	tect,	Eng	ginee	er or	Build	er					All F	-			ved									Later	al Loa	ad Ar	naly	sis &
ob:	Proje	ect N	lam	е							B	/:		AAA												(	208.	2h								C	ons	tructio	on De	sign	Sof	tware
	L	.ine	A				L	ine	В				L	ine	С			1	_ine	D				Li	ne	Ε			L	ine	F				Lin	e G			L	.ine	Η	
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	Seg						•			iable			•	Wall '				· ·	Wal					•	Wall '			-		Wal					-	all Va			1 9			ables
vel	q-m	Lg	Ht	X	ΒE		Į-m	Lg	Ht	ΧI	ΒE	q	-m	Lg	Ht 2	КВ	E	ld-m	Lg	Ht	X	BE	_ q	-m	Lg	Ht )	СВ	E	q-m	Lg	Ht	XI	3 E	q-m	1 LQ	g Ht	X	BF	q-m	Lg	Ht	ХВ
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							1b	2	8		ΝE																															
	sum	20.0	0	Sys	st W	' <mark>S</mark> s	um	4.00		Sys	st S	₩ s	um		:	Syst		sum			Sys	st	s	um			Syst		sum			Sys	st	sun	n		Sy	st	sum			Syst
ase	Seg	Wal	l Var	iable	es	5	Seg	Wal	l Var	iable	s	s	Seg	Wall	Varia	bles		Seg	Wal	l Var	iable	s	s	Seg	Wall '	Varia	bles		Seg	Wal	l Vari	iable	S	Seg	g Wa	all Va	riabl	es	Seg	Wall	Vari	ables
vel	q-m	Lg	Ht	Х	ΒE	Sc	l-m	Lg	Ht	ΧI	ΒE	Sq	-m	Lg	Ht )	KВ	ΕS	q-m	Lg	Ht	Х	ΒE	Sq	-m	Lg	Ht )	K B	ΕS	q-m	Lg	Ht	XE	3 E \$	S q-m	ı Lg	g Ht	Х	BES	G q-m	Lg	Ht	ΧВ
	sum			Sys	st	s	um			Sys	st	s	um			Syst		sum			Sys	st	SI	um_			Syst		sum			Sys	st	sun	n		Sy	st	sum			Syst
																		1					- 1						1					1					1			



		Cons ary 27 20		on w	/ Hold-	Down			a <b>ck</b> t, Engine	er or B		.1 of 6.2		IaxC Rights I	-		© 19	995-2008			_	-	<b>CMS</b>	
Job:	Projec	t Name					By:	AAA						Q08	3.2h					(	Construc	tion D	esign So	oftware
Front to				Line	<b>2</b> M) - Resist	ting Mom	Line ent (RN			Line (Seg I			Line	5		Line	6		Line	7		Line	8	
Back	Hold D	own (HD	Type) Bui	It into S	Shear Units		reviatio	n Shown		nits, see	e Wall Typ	e for Frar	ne Size	- HD for S	heathed	Walls se	eclected fr		down S	hd				
2nd			HD			HD			HD			HD			HD			HD			HD			HD
_evel	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре
		V (plf)			V (plf)			V (plf)			V (plf)			V (plf)			V (plf)			V (plf)			V (plf)	
		WIΔ			WIΔ			WIΔ			WIΔ			WIΔ			WIΔ			WIΔ			WIΔ	
	Roof L	Iplift from			ids resisted		and Rig	ht Ext. W					Jplift (p	lf) Rf 2 @		1			ift Deta	il @ Rf 2	& Ext WI		NA	
1st	•		HD T		Full Ht WI				HD T	•		HD T			HD T			HD T			HD T			HD T
_evel	Seg a1	Uplift	Type NA	Seg a1	Uplift	Type W%	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре
	a2		NA	a2 a3		W% NA																		
		V (plf) Wl∆	36 <b>6</b>	0.83	V (plf) Wl∆	48 6		V (plf) WI∆			V (plf) WI∆			V (plf) Wl∆			V (plf) Wl∆			V (plf) WIA			V (plf) Wl∆	
	Roof U		Side to Si	ide Win	ids resisted	d by Left	and Rig		alls				Uplift (	olf) Rf 1 (	@ Ext WI		65	Upli	ift Deta	il @ Rf 1	& Ext WI	Δ		
	Straps	/Hold-Dow		run cor	ntinuous do	wn throu	gh the	Wall below		oundatio	on. If no V	Vall below	v; tie to	Beams, s		lold-Do	wn Point L	_oads.		-				
Base			HD			HD			HD			HD			HD			HD			HD			HD
Level	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре
		V (plf)			V (plf)			V (plf)			V (plf)			V (plf)			V (plf)			V (plf)			V (plf)	
		v (pir) WI∆			ν (pir) WIΔ			ν (pir) WIΔ			V (pli) WIΔ			v (pir) WI∆			v (pir) WI∆			v (pir) WI∆			v (pir) WI∆	
		Each Unit			of Shear a onstruction			/el (Sum \			ear Fram			Level - V (				gth.	1			1		

Segr	nent	t Cons	tructio	on w	/ Hold	-Down	S Le	eft to Rig	ght		Page 6	.1 of 6.2	N	<b>lax</b> Q	Juak	ĸe	© 19	95-2008			Arch	nfor	ms ]	L <b>td.</b>
		ary 27 20	800						t, Engine	er or B	uilder		AI	Rights I		d							oad Anal	•
Job: Side	Line	ct Name		Line	В		By: Line			Line	D		Line	Q08 E	<b>5.2</b> N	Line	F		Line		Construc	Line		mware
to Side						sting Mom ts, Mfg Abi						e for Fran	ne Size	- HD for S	Sheathed \	Walls se	eclected fr	om Hold-(	down S	Shd				
2nd			HD			HD			HD			HD			HD			HD			HD			HD
Level	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре
		V (plf)			V (plf)			V (plf)			V (plf)			V (plf)			V (plf)			V (plf)			V (plf)	
		Ψ (pii) WIΔ			Ψ (pii) WIΔ			Ψ (pii) WIΔ			Ψ(pii) WIΔ			v (pii) WI∆			Ψ(pii) WIΔ			Ψ(pii) WIΔ			v (pii) WI∆	
	Roof L	Jplift from		ack Wi	inds resis	ted by Fro	nt and I	Back Ext.					Uplift(p	lf) Rf 2 @					ift Deta	ail @ Rf 2	& Ext WI		NA	
1st Level	Seg	Uplift	HD Type	Seg	Uplift	HD Type	Seg	Uplift	HD Type	Seg	Uplift	HD Type	Seg	Uplift	HD Type	Seg	Uplift	HD Type	Seg	Uplift	HD Type	Seg	Uplift	HD Type
20001	1	opini	NA	1a 1b	•	∆ SW		opint	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<b>Opini</b>	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<u> </u>	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			.,,,,,			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		- Opini	
		V (plf) Wl∆	55 6	sw	V (plf) WI∆	547 <b>24x8c</b>		V (plf) WI∆			V (plf) WI∆			V (plf) WI∆			V (plf) WI∆			V (plf) WI∆			V (plf) Wl∆	
		Jplift from		ack Wi	inds resis	ted by Fro		Back Ext.						olf)Rf1(	-		31	-	ift Deta		& Ext WI	I	NA	
Base	Straps	/Hold-Dov	HD	run con	ntinuous o	lown throu HD	gh the	Vall belov	W to the Fo	oundatio	on. If no v	HD	v; tie to	Beams, s	HD	1010-Do	wn Point L	.oads. HD			HD			HD
Level	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре	Seg	Uplift	Туре
		\/ (16)			V ( 16)			V (-15			V (clf)			V (#16)			V (a15)			V/ ( 16)			V (#16)	
		V (plf) WI∆			V (plf) WI∆			V (plf) Wl∆			V (plf) WI∆			V (plf) Wl∆			V (plf) WI∆			V (plf) WI∆			V (plf) Wl∆	
		Each Unit			of Shear	at that Lin on or Shea		vel (Sum V			ear Fram			Level - V (				th.		-				

hear ate: b:	Wall and February 27 Project Nam	2008	)own	Schedule Firm By:	n: Architect,	Enginee	Schd W r or Builder				xQu hts Res Q08.2h		(	© 1995-2	008		I	Lateral L	•ms Lt bad Analysis lesign Softwa
Specia X	AR WALL OF al Zone No Los Angeles A	Area	Hardwai X	re Mfg. Simpson USP Other (Apx.W		ning Mat Doug Fir Hem Fir ( 3-1/2" Me	t <b>erial</b> or So.Pine s.grav.<.49)	. Seled		Shear W	<b>all Syste</b> WS-All F WS-Gyp	<b>em</b> Plywd or F ,Stuc or F	PB		<b>Wall Shea</b> 3/8"or1/2 3/8"or1/2 3/8"or1/2 1/2"Ext M	athing 2" CC or CD 2" Struc I Ply 2" CD Ply o/ M,S/M-2 Prto	Ply / GB	Fastener X (See Apx	8d 10d 14ga Staple 1"Screw in St
١	WIND AN	D EAF	RTHO	QUAKE	DATA	06 IBC			Sł	HEAR	WAI	LL SC	HED	DULE					
Ba	mportance Fact. Isic Wind Speed Wind Exposure Vind Horiz. (psf) Wind Vert. (psf)	-15.4	S S Res Res	s Acc. %g 11 1 Acc. %g 4 Coef Sd1 0. Coef Sds 0.	9%         S. Re           8%         Responsion           32         Base V           80         System:	Light Frai	s 0.14 r 5.5 571 me SW			Wall Type Symbol	Shear Load (plf)		Wall Sheath Materi	al	Edge Nail <u>8d</u>	Anchor Bolts 5/8"x12 GF:900	Plate to Fl. Nail 16d GF:120	Lag 1/2" GF:478	Plate Clips A35 GF:450
	Sec 6.4 Method 1				od per 12.8 ASC				١	NA			Note 1,2 wall as s		Note 3 er symbol o	Note 6 or any below	Note 7 V	Note 6,8	Note 9,10
١	NALL HO	LD-D	OWN	& STR	AP SCHE	DULE													
	Hold-Down Symbol	Max. Uplift Ibs.	Min. Post Size	Wall FI to FI Strap Note 3,4	Foundation Anchor Straps Note 2	Bolt Type HD Note 2,4	Bolt Dia. Note 2	2,4,5 2,4,5 2,4,5	Δ	6 4 3 2	260 380 490 640		1/2" 1/2" 1/2" 1/2"	Ply Ply Ply Ply	6" 4" 3" 2"	40"oc 27"oc 21"oc 16"oc	6"ос 4"ос	22"oc 15"oc 11"oc 9"oc	20"oc 14"oc 11"oc 8"oc
	NA         up to           ▲         H1a	300 ι 920	use the h 2x	old-down acros CS18-20"	s or below req'd t PAHD42	type		2,4,5 2,4,5		44 33	760 980	ea side ea side	1/2" 1/2"	Ply Ply	4" 3"	14"oc 10"oc		7"ос 6"ос	7"ос 5"ос
2 N	Δ         H1b           Δ         H2           Δ         H5           Δ         H6           Δ         H8           Δ         H10           Δ         H11           Δ         H15           ?         Add           traps and HD's a	1,750 3,235 4,685 5,860 6,490 9,235 11,445 15,305 is Mfg. by S & SDS 1/4 Nailing, E	2x 2-2x 2-2x 2-2x 2-2x 4x 4x 6x6 mches to Simpson " Scw at Bolt and E	CS16-28" MST 37" MST 48" MST 60" CMST14+136 CMST12+136 FI to FI Tie Stra Strong-Tie Co. HD (min.pen.1) Embedment Red	STHD8 STHD14		1/2" 5/8" 5/8" 7/8" 7/8" 7/8" 1" 1-1/4"	2,4,5 1 2 3 4 5 6 7 8 9	A Shea Fran Typia 3x or Offse Anch Stag Pre-4 Clips	22 ? athing: 3// ming: 2x I cal Faster r 2x w/ db et panel e hor Bolts gger 16d r drill 3/8" h s: Plate to	1,280 B"-1/2" (4 DF typ @ hers: 8d C ol AB at pl edges on 6 spaced pr hails in 2x hole for La Blocks o	ea side ply min) ( 16"oc., 3 Common c ate and 3 opposite s er Schd w , lags at 3 ag. Provid nly req'd i	1/2" CD, CC I ax req'd or Galv. I x panel o sides of v sides of v a "x3"x0 ax plates ie Washe if no she	Ply Plyor OS if 10d w. Box nails edges at wall and 0.229" Pl when nc er. Adjust ar sheath	2" B with all e / +1-5/8" po (no sinker walls 600ll stagger pla ate Washe o sheathing Igth for 2"	8"oc edges blocke enetration, 2 rs), nail field bs>Shear >: ate splices ers req'd at N g continuity t penetration uity from Wa	2" or 3"oc @12" 350lbs, /lud Sill o Rim Joist	4"oc	4"oc

Manufa	actured S	hear l	rame	Sche	dules				Schd X	< N	<b>Aax</b>	Qu	ake	)	© 1995-	2008			A	rchf	òrn	ıs L	.td.
Date:	February 27	2008		F	Firm: Arc	nitect, Er	ngineer o	r Builder			AI	I Right	ts Rese	erved						Latera	al Load	Analy	sis &
Job:	Project Name	9			By: AA	Ą					C	208.2h							Cons	structio	n Desig	gn Sof	tware
								ICI	30 No.1Jun	03													
Location	Туре	(HF	) HAF	RDY F	RAM	E SC	HEDI		PFC-534		(SW)	) ST	RON	IG-W	/ALL	SCI	HED	ULE				ICC-E	R 548
	W			For	IBC/CBC	ICC Rep			Itiplied by 0.8	88													
	e Model Numb			r & Uplift	•	• •										-	-	cities (I		r		-	Note
Ht.	8 ft V	UL	9 ft	V	UL 1	)ft ∨	UL UL	11 ft	V UL		Ht.	7 ft	V	UL	8 ft	V	UL	9 ft	V	UL	10 ft	V	UL
0.0 0.7											Vidth	5	4.050	8325			10790			10790			10790
2,3 2.7 2,3 4.0										4,6 4,6	1.3 1.5	16x7c	1,050		18x8c	1,150		18x9c	1,080				
2,3 4.0 2,3 5.3										4,0		22x7c	1 3 1 5		TOXOC	1,150		10,90	1,000				
2,3 5.3 2,3 6.7										4,6	2.0	22810	1,010		24x8c	1,610		24x9c	1.585		24x10c	1 590	
Location	?		?		?			?		4,6	2.7				32x8c	2,865		32x9c	2,600		32x10c		
Locaton	WV	UL	9 ft	V	UL 1	)ft V	UL	11 ft	V UL		4.0				48x8c	4,545		48x9c	4,370		48x10c		
Ht.	8 ft											?			?	.,		?	.,		?	.,	
2,3 2.7										4,7	1.5				18x8r	735		18x9r	620				
2,3 4.0										4,7	2.0				24x8r	1,105		24x9r	960		24x10r	850	
2,3 5.3										4,7	2.7				32x8r	1,480		32x9r	1,420		32x10r	1,400	
2,3 6.7										4,7	4.0				48x8r	2,790		48x9r	2,395		48x10r	2,115	
	?		?		?			?				?			?			?			?		
Location	Туре	(HP	) HAF		PANE						· ·			•				.strongti					
	W							1	Itiplied by 0.			•						& other					
Ht	7 ft ∨	UL	8 ft	V	UL 9	ft V	UL UL	10 ft	V UL									ls of fram		t stacke	d		
45 45												•				•		5-1/2"un					
4,5 1.5 4,5 2.0																		ad Factor Slab, <b>r</b> 1			keq'a.		
4,5 2.0 4,5 2.0																	•	d, See M					
4,5 2.5										_ / F	Valseu I			/111. DF 1	NU. 1, UI	USI 1 F 101	es ney (		liy. Ney	15			
4,5 2.5											L) J	<b>FDI</b>	s in	τρι		IEI	ссн	EDU	IE		ICBO ES	PEC-5	020
Location	2		?			?		?				_		-			oting or	-				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	525
Location	7 ft V	UL	8 ft	V		ft V	UL	10 ft	V UL					-			Capaciti						
			•							_	Ht.	7 ft	V	UL	8 ft	V	UL	9 ft	V	UL	10	V	UL
4,5 1.5											Vidth			11000			11000			11000			11000
4,5 1.5										3	1.3	16x7	1340										
4,5 1.5										3	1.8	22x7	2395										
4,5 1.5											2				24x8	1980		24x9	1830				
4,5 1.5											2.7				32x8	2905		32x9	2795		32x10	2615	
	?		?			?		?			4				<b>48x8</b>	4900		48x9	4600		48x10	4300	
•	By Hardy Frame											?			?			?			?		
	/ Mfg. literature		•					'ts.										28-3997					
	le Mfg. post or											•						& other					
	on Crushing Pl						allations			3 F	Provide	1.5E Tii	mberStr	and LSL	Portal	Column	at other	end of H	ldr if use	ed single			
5 l'ypica	al 7/8" Anchor B	oit <b>h</b> at F	anels indi	cates 1-1	I/8" Ancho	Bolts																	