TOWER NAME	CRATE NAME	Patch-Panel CH number	Item (left right top down)	S/N	Ch # (top down)	Device Name	Nominal Gain (dB)	Output Noise uV/sqrt(Hz) measured @ 10Hz	Output Offset (mV) input is SC_ted	Notes
Detection	DET-C5	1	Accelerometer	3	Ch1	AH1	20		100	BW 50Hz - motor inverted direction ?
		2	"	"	Ch2	AH2	20		-400	BW 50Hz
		3	"	"	Ch3	AH3	20		-600	BW 50Hz
		17	Accelerometer	4	Ch1	AV1	20		100	BW 50Hz
		18	"	"	Ch2	AV2	20		-30	BW 50Hz
			"	"	Ch3	spare	20			BW 50Hz
		4	LVDT	3	Ch1	LH1	60	1.6	-0.3	
		5	"	"	Ch2	LH2	60	1.6	-6.4	
		6	"	"	Ch3	LH3	60	1.6	-3.8	
			"	"	Ch4	spare	60	1.6	-5	
		21	LVDT	4	Ch1	LV1	40	0.55	-5.5	
		22	"	"	Ch2	LV2	40	0.45	1.5	
			"	"	Ch3	spare	40	0.52	-7.9	
			"	"	Ch4	spare	40	0.45	4	
		7	CoilDriver	20	Ch1	CH1	6	0.45	3	
		19	"	"	Ch2	CV1	6	0.21	-3.2	
		8	CoilDriver	21	Ch1	CH2	6	0.2	-0.6	
		20	"	"	Ch2	CV2	6	0.25	1.2	
		9	CoilDriver	22	Ch1	CH3	6	0.26	1.1	
			"	"	Ch2	50kHz Acc. driving	6	0.23	-3.6	
	DET-C4	26	CoilDriver	19	Ch1	U1	6	0.2	8.2	
		25	"	"	Ch2	V1	6	0.22	8.2	
		30	CoilDriver	17	Ch1	U2	6	0.22	5.6	
		29	"	"	Ch2	V2	6	0.2	9.5	
		31	CoilDriver	18	Ch1	U3	6	0.2	7.2	
		28	"	"	Ch2	V3	6	0.2	7.5	
		27	CoilDriver	16	Ch1	U4	6	0.3	7	
		32	"	"	Ch2	V4	6	0.22	4.2	

TOWER NAME	CRATE NAME	Patch-Panel CH number	Item (left right top down)	S/N	Ch # (top down)	Device Name	Nominal Gain (dB)	Output Noise uV/sqrt(Hz) measured @ 10Hz	Output Offset (mV) input is SC_ted	Notes
Injection	INJ-C5	1	Accelerometer	5	Ch1	AH1	20		-13	BW 70Hz
		2	"	"	Ch2	AH2	20		-7	BW 80Hz
		3	"	"	Ch3	AH3	20		230	BW 70Hz
		17	Accelerometer	100	Ch1	AV1	20		365	BW 100Hz
		18	"	"	Ch2	AV2	20		850	BW 120Hz
			"	"	Ch3	spare	20			BW 110Hz
		4	LVDT	5	Ch1	LH1	60	1.9	3	
		5	"	"	Ch2	LH2	60	1.8	7.5	
		6	"	"	Ch3	LH3	60	1.8	5	
			"	"	Ch4	spare	60	1.9	5	
		21	LVDT	6	Ch1	LV1	40	0.5	-6.7	
		22	"	"	Ch2	LV2	40	0.5	-0.7	
			"	"	Ch3	spare	40	0.5	-1.5	
			"	"	Ch4	spare	40	0.5	-0.5	
		7	CoilDriver	31	Ch1	CH1	6	0.18	1.5	
			"	"	Ch2	CV1	6	0.16	-0.7	
		8	CoilDriver	32	Ch1	CH2	6	0.2	-5	
		19	"	"	Ch2	CV2	6	0.3	-4	
		9	CoilDriver	33	Ch1	CH3	6	0.2	-1.4	
		20	"	"	Ch2	50kHz Acc. driving	6	0.2	0.5	
	INJ-C3	33	CoilDriver	23	Ch1	U1	6	0.5	112	High 1/f noise
		34	"	"	Ch2	V1	6	0.5	110	High 1/f noise
		35	CoilDriver	24	Ch1	U2	6	0.6	118	High 1/f noise
		36	"	"	Ch2	V2	6	0.4	123	High 1/f noise
		37	CoilDriver	25	Ch1	U3	6	0.4	114	High 1/f noise
		38	"	"	Ch2	V3	6	0.4	123	High 1/f noise
		39	CoilDriver	26	Ch1	U4	6	0.4	122	High 1/f noise
		40	"	"	Ch2	V4	6	0.5	118	High 1/f noise
	INJ-C2	15	CoilDriver	27	Ch1	CH4 S1	6	0.19	0.1	
			"	"	Ch2	CH4 S2	6	0.21	2.6	
			CoilDriver	28	Ch1	CH5 S3	6	0.21	2	
			"	"	Ch2	CH5 S4	6	0.21	-1.1	
		16	CoilDriver	29	Ch1	CH6 S5	6	0.19	0.6	
			"	"	Ch2	CH6 S6	6	0.2	-2.2	
			CoilDriver	30	Ch1	CH7 S7	6	0.22	-2	
			"	"	Ch2	CH7 S8	6	0.5	-6.8	High 1/f noise

TOWER NAME	CRATE NAME	Patch-Panel CH number	Item (left right top down)	S/N	Ch # (top down)	Device Name	Nominal Gain (dB)	Output Noise uV/sqrt(Hz) measured @ 10Hz	Output Offset (mV) input is SC_ted	Notes
PR	PR-C4	1	Accelerometer	13	Ch1	AH1	40		100	BW 80Hz
		2	"	"	Ch2	AH2	40		500	BW 50Hz
		3	"	"	Ch3	AH3	40		-300	BW 70Hz
		16	Accelerometer	14	Ch1	AV1	30		1350	BW 50Hz
		17	"	"	Ch2	AV2	30		850	BW 100Hz
			"	"	Ch3	spare	30			BW 80Hz
		4	LVDT	16	Ch1	LH1	60	1.6	-5.5	
		5	"	"	Ch2	LH2	60	1.8	4.3	
		6	"	"	Ch3	LH3	60	1.8	-6.6	
			"	"	Ch4	spare	60	1.7	-2	
		10	LVDT	18	Ch1	LV1	40	0.47	-6.2	
		11	"	"	Ch2	LV2	40	0.5	-6.8	
		12	"	"	Ch3	LV3	40	0.5	4.7	
			"	"	Ch4	spare	40	0.4	0	
		13	LVDT	17	Ch1	LV4	40	0.5	-6.1	
		14	"	"	Ch2	LV5	40	0.5	-7.7	
		15	"	"	Ch3	LV6	40	0.56	-6.7	
			"	"	Ch4	spare	40	0.6	-7.5	
		20	LVDT	26	Ch1	LHF71	40	0.47	0.2	
		21	"	"	Ch2	LHF72	40	0.5	-2	
		22	"	"	Ch3	LHF73	40	0.48	-1.2	
			"	"	Ch4	spare	40	0.5	-1.9	
		7	CoilDriver	63	Ch1	CH1	6	0.26	-2	
			"	"	Ch2	50kHz Acc. driving	6	0.2	1.4	
		8	CoilDriver	64	Ch1	CH2	6	0.2	-1.8	
		18	"	"	Ch2	CV1	6	0.23	1	
		9	CoilDriver	65	Ch1	CH3	6	0.2	-21	1/f noise + offset
		19	"	"	Ch2	CV2	6	0.2	-0.5	
	PR-C3	26	CoilDriver	61	Ch1	CHF71	6	0.2	-2.6	
		41	"	"	Ch2	CHF72	6	0.2	-2.1	
		56	CoilDriver	115	Ch1	CHF73	6	0.2	-2.6	
			"	"	Ch2	Spare	6	0.2	-2.3	
		31	CoilDriver	59	Ch1	CF7R	6	0.33	-2.5	
		32	"	"	Ch2	CF7L	6	0.35	-5.2	
		33	CoilDriver	58	Ch1	CF7F	6	0.25	3.4	
		34	"	"	Ch2	CF7B	6	0.26	4	
		35	CoilDriver	60	Ch1	CRMR	6	0.25	-2.2	
		36	"	"	Ch2	CRML	6	0.18	-0.2	
		37	CoilDriver	62	Ch1	CRMU	6	0.2	-20	offset
		38	"	"	Ch2	CRMD	6	0.2	0.2	

TOWER NAME	CRATE NAME	Patch-Panel CH number	Item (left right top down)	S/N	Ch # (top down)	Device Name	Nominal Gain (dB)	Output Noise uV/sqrt(Hz) measured @ 10Hz	Output Offset (mV) input is SC_ted	Notes
WI	WI-C4	1	Accelerometer	11	Ch1	AH1	40		500	BW 60Hz
		2	"	"	Ch2	AH2	40		-100	BW 60Hz
		3	"	"	Ch3	AH3	40		-1600	BW 40Hz
		16	Accelerometer	12	Ch1	AV1	40		800	BW 60Hz
		17	"	"	Ch2	AV2	40		-300	BW 60Hz - motor inverted direction ?
			"	"	Ch3	spare	40			BW 60Hz
		4	LVDT	13	Ch1	LH1	60	1.7	-0.1	
		5	"	"	Ch2	LH2	60	1.7	1.2	
		6	"	"	Ch3	LH3	60	1.7	-3.8	
			"	"	Ch4	spare	60	1.6	4.5	
		10	LVDT	14	Ch1	LV1	40	0.4	-0.8	
		11	"	"	Ch2	LV2	40	0.44	-5.1	
		12	"	"	Ch3	LV3	40	0.5	-9	
			"	"	Ch4	spare	40	0.5	-9.5	
		13	LVDT	15	Ch1	LV4	40	0.47	-5	
		14	"	"	Ch2	LV5	40	0.47	-4.3	
		15	"	"	Ch3	LV6	40	0.5	-7.4	
			"	"	Ch4	spare	40	0.55	-9.3	
		20	LVDT	110	Ch1	LHF71	40	0.5	-4.3	
		21	"	"	Ch2	LHF72	40	0.4	5.4	
		22	"	"	Ch3	LHF73	40	0.4	-2	
			"	"	Ch4	spare	40	0.6	-6.7	
		7	CoilDriver	47	Ch1	CH1	6	0.29	-4.3	
			"	"	Ch2	50kHz Acc. driving	6	0.29	-5.2	
		8	CoilDriver	53	Ch1	CH2	6	0.21	-0.8	
		18	"	"	Ch2	CV1	6	0.21	-2	
		9	CoilDriver	54	Ch1	CH3	6	0.22	-1.2	
		19	"	"	Ch2	CV2	6	0.18	-1.2	
	WI-C3	26	CoilDriver	112	Ch1	CHF71S	6	0.2	-2.4	
		41	"	"	Ch2	CHF72S	6	0.2	-2	
		56	CoilDriver	113	Ch1	CHF73S	6	0.2	0.4	
			"	"	Ch2	Spare	6	0.26	-0.1	
		31	CoilDriver	51	Ch1	CF7R	6	0.22 - 0.44	17.7	Input shaping Off - ON
		32	"	"	Ch2	CF7L	6	0.22 - 0.26	14	Input shaping Off - ON
		33	CoilDriver	50	Ch1	CF7F	6	0.3	-3.1	
		34	"	"	Ch2	CF7B	6	0.22	-0.6	
		35	CoilDriver	79	Ch1	CRMR	6			
		36	"	"	Ch2	CRML	6			
		37	CoilDriver	55	Ch1	CRMU	6			
		38	"	"	Ch2	CRMD	6			

TOWER NAME	CRATE NAME	Patch-Panel CH number	Item (left right top down)	S/N	Ch # (top down)	Device Name	Nominal Gain (dB)	Output Noise uV/sqrt(Hz) measured @ 10Hz	Output Offset (mV) input is SC_ted	Notes
NI	NI-C4	1	Accelerometer	9	Ch1	AH1	40		2000	BW 50Hz
		2	"	"	Ch2	AH2	40		2200	BW 50Hz
		3	"	"	Ch3	AH3	40		1700	BW 60Hz
		16	Accelerometer	10	Ch1	AV1	40		2900	BW 80Hz
		17	"	"	Ch2	AV2	40		2200	BW 50Hz
			"	"	Ch3	spare	40			BW 50Hz
		4	LVDT	10	Ch1	LH1	60	1.7	-1.5	
		5	"	"	Ch2	LH2	60	1.7	6.7	
		6	"	"	Ch3	LH3	60	1.7	-14.5	
			"	"	Ch4	spare	60	1.7	4	
		10	LVDT	11	Ch1	LV1	40	0.47	-5.4	
		11	"	"	Ch2	LV2	40	0.4	-3.3	
		12	"	"	Ch3	LV3	40	0.4	-3.7	
			"	"	Ch4	spare	40	0.48	-2.6	
		13	LVDT	12	Ch1	LV4	40	0.5	-9	
		14	"	"	Ch2	LV5	40	0.6	-2.5	
		15	"	"	Ch3	LV6	40	0.5	0.7	
			"	"	Ch4	spare	40	0.38	-0.25	
		20	LVDT	27	Ch1	LHF71	40	0.4	5.5	
		21	"	"	Ch2	LHF72	40	0.5	5.5	
		22	"	"	Ch3	LHF73	40	0.55	-10.5	
			"	"	Ch4	spare	40	0.42	-3.4	
		7	CoilDriver	52	Ch1	CH1	6	0.18	-2.8	
			"	"	Ch2	50kHz Acc. driving	6	0.22	1	
		8	CoilDriver	48	Ch1	CH2	6	0.1	2.1	
		18	"	"	Ch2	CV1	6	0.3	-1.9	
		9	CoilDriver	49	Ch1	CH3	6	0.22	3.1	
		19	"	"	Ch2	CV2	6	0.22	-2.3	
	NI-C3	26	CoilDriver	110	Ch1	CHF71S	6	0.23	0.2	
		41	"	"	Ch2	CHF72S	6	0.25	-3.8	
		56	CoilDriver	111	Ch1	CHF73S	6	0.21	-3	
			"	"	Ch2	Spare	6	0.22	2.7	
		31	CoilDriver	42	Ch1	CF7R	6	0.15 - 0.3	23	Input shaping Off - ON
		32	"	"	Ch2	CF7L	6	0.15 - 0.3	-0.7	Input shaping Off - ON
		33	CoilDriver	43	Ch1	CF7F	6	0.22	-4.5	
		34	"	"	Ch2	CF7B	6	0.22	-3.5	
		35	CoilDriver	56	Ch1	CRMR	6			
		36	"	"	Ch2	CRML	6			
		37	CoilDriver	45	Ch1	CRMU	6			
		38	"	"	Ch2	CRMD	6			

TOWER NAME	CRATE NAME	Patch-Panel CH number	Item (left right top down)	S/N	Ch # (top down)	Device Name	Nominal Gain (dB)	Output Noise uV/sqrt(Hz) measured @ 10Hz	Output Offset (mV) input is SC_ted	Notes
BS	BS-C5	1	Accelerometer	7	Ch1	AH1	40		1100	BW 40Hz
		2	"	"	Ch2	AH2	40		-500	BW 40Hz
		3	"	"	Ch3	AH3	40		500	BW 40Hz
		16	Accelerometer	8	Ch1	AV1	40		1800	BW40Hz
		17	"	"	Ch2	AV2	40		1800	BW 40Hz
			"	"	Ch3	spare	40			BW 40Hz
		4	LVDT	7	Ch1	LH1	60	1.7	-0.1	
		5	"	"	Ch2	LH2	60	1.8	-6.3	
		6	"	"	Ch3	LH3	60	1.8	0.3	
			"	"	Ch4	spare	60	1.8	-2.8	
		10	LVDT	8	Ch1	LV1	40	0.56	-10.5	
		11	"	"	Ch2	LV2	40	0.56	-8.5	
		12	"	"	Ch3	LV3	40	0.47	-4.4	
			"	"	Ch4	spare	40	0.53	-12.3	
		13	LVDT	9	Ch1	LV4	40	0.5	-1.5	
		14	"	"	Ch2	LV5	40	0.53	-10.8	
		15	"	"	Ch3	LV6	40	0.46	-2.7	
			"	"	Ch4	spare	40	0.47	1	
		20	LVDT	25	Ch1	LHF71	40	0.47	3.8	
		21	"	"	Ch2	LHF72	40	0.56	-12.5	
		22	"	"	Ch3	LHF73	40	0.5	-4.8	
			"	"	Ch4	spare	40	0.5	0.6	
		7	CoilDriver	39	Ch1	CH1	6	0.28	-2.2	
			"	"	Ch2	50kHz Acc. driving	6	0.24	-3.7	
		8	CoilDriver	40	Ch1	CH2	6	0.2	-0.4	
		18	"	"	Ch2	CV1	6	0.2	3.3	
		9	CoilDriver	41	Ch1	CH3	6	0.21	-0.4	
		19	"	"	Ch2	CV2	6	0.2	0.6	
	BS-C4	31	CoilDriver	35	Ch1	CF7R	6	0.21	-1.3	
		32	"	"	Ch2	CF7L	6	0.21	3.5	
		33	CoilDriver	34	Ch1	CF7F	6	0.22	-3	
		34	"	"	Ch2	CF7B	6	0.26	-2.4	
		26	CoilDriver	114	Ch1	CHF71	6	0.25	-2.2	
		41	"	"	Ch2	CHF72	6	0.2	-0.9	
		56	CoilDriver	80	Ch1	CHF73	6	0.25	-0.6	
			"	"	Ch2	spare	6	0.23	-3	
			CoilDriver		Ch1					
			"	"	Ch2					
			CoilDriver		Ch1					
			"	"	Ch2					