

Instrumentation List for Suspended Components Large Test Frame (07/27/11)

Ref #	Instrument #	Direction	Location and Position		EU/Full Scale Range (V)
Permanent instrumentations on the Frame and Extension (55/144)					
Accelerometers					
1	AEXT1x	Horizontal E-W	West Frame	Center of the Shake Table Extension	
2	AEXT1y	Horizontal N-S	West Frame	Center of the Shake Table Extension	
3	AEXT1z	Vertical	West Frame	Center of the Shake Table Extension	
4	AEXT2x	Horizontal E-W	East Frame	Center of the Shake Table Extension	
5	AEXT2y	Horizontal N-S	East Frame	Center of the Shake Table Extension	
6	AEXT2z	Vertical	East Frame	Center of the Shake Table Extension	
7	AEXT3x	Horizontal E-W	Link Frame	Center of the Platform	
8	AEXT3y	Horizontal N-S	Link Frame	Center of the Platform	
9	AEXT3z	Vertical	Link Frame	Center of the Platform	
10	AFR1NEx	Horizontal E-W	West Frame	North-East corner of the roof of the frame	
11	AFR1NEy	Horizontal N-S	West Frame	North-East corner of the roof of the frame	
12	AFR1NEz	Vertical	West Frame	North-East corner of the roof of the frame	
13	AFR1NWx	Horizontal E-W	West Frame	North-West corner of the roof of the frame	
14	AFR1NWy	Horizontal N-S	West Frame	North-West corner of the roof of the frame	
15	AFR1NWz	Vertical	West Frame	North-West corner of the roof of the frame	
16	AFR1SEx	Horizontal E-W	West Frame	South-East corner of the roof of the frame	
17	AFR1SEy	Horizontal N-S	West Frame	South-East corner of the roof of the frame	
18	AFR1SEz	Vertical	West Frame	South-East corner of the roof of the frame	
19	AFR1SWx	Horizontal E-W	West Frame	South-West corner of the roof of the frame	
20	AFR1SWy	Horizontal N-S	West Frame	South-West corner of the roof of the frame	
21	AFR1SWz	Vertical	West Frame	South-West corner of the roof of the frame	
22	AFR2NEx	Horizontal E-W	East Frame	North-East corner of the roof of the frame	
23	AFR2NEy	Horizontal N-S	East Frame	North-East corner of the roof of the frame	
24	AFR2NEz	Vertical	East Frame	North-East corner of the roof of the frame	
25	AFR2NWx	Horizontal E-W	East Frame	North-West corner of the roof of the frame	
26	AFR2NWy	Horizontal N-S	East Frame	North-West corner of the roof of the frame	
27	AFR2NWz	Vertical	East Frame	North-West corner of the roof of the frame	
28	AFR2SEx	Horizontal E-W	East Frame	South-East corner of the roof of the frame	
29	AFR2SEy	Horizontal N-S	East Frame	South-East corner of the roof of the frame	
30	AFR2SEz	Vertical	East Frame	South-East corner of the roof of the frame	
31	AFR2SWx	Horizontal E-W	East Frame	South-West corner of the roof of the frame	
32	AFR2SWy	Horizontal N-S	East Frame	South-West corner of the roof of the frame	
33	AFR2SWz	Vertical	East Frame	South-West corner of the roof of the frame	
34	ARF1x	Horizontal E-W	West Frame	Center of the roof of the frame	
35	ARF1y	Horizontal N-S	West Frame	Center of the roof of the frame	
36	ARF1z	Vertical	West Frame	Center of the roof of the frame	
37	ARF2x	Horizontal E-W	East Frame	Center of the roof of the frame	
38	ARF2y	Horizontal N-S	East Frame	Center of the roof of the frame	
39	ARF2z	Vertical	East Frame	Center of the roof of the frame	
40	ARF3x	Horizontal E-W	Link Frame	Center of the roof of the frame	
41	ARF3y	Horizontal N-S	Link Frame	Center of the roof of the frame	
42	ARF3z	Vertical	Link Frame	Center of the roof of the frame	
43	AEXT1SWz	Vertical	West Frame	South-West Bottom Corner (on Frame Bottom)	
44	AEXT3Sz	Vertical	Link Frame	South Bottom Center (on Link Frame Bottom)	

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Displacement Transducer (String Potentiometers)					
45	SPEX1Ny	Horizontal N-S	West Frame	Middle of the North side of the Extension	
46	SPEX2Ny	Horizontal N-S	East Frame	Middle of the North side of the Extension	
47	SPEX3Ny	Horizontal N-S	Link Frame	Middle of the North side of the Platform	
48	SPEX1WNx	Horizontal E-W	West Frame	North corner of the West side of the Extension	
49	SPEX1WSx	Horizontal E-W	West Frame	South corner of the West side of the Extension	
50	SPFR1NEy	Horizontal N-S	West Frame	Top East corner of the North face of the frame	
51	SPFR1NWy	Horizontal N-S	West Frame	Top West corner of the North face of the frame	
52	SPFR2NEy	Horizontal N-S	East Frame	Top East corner of the North face of the frame	
53	SPFR2NWy	Horizontal N-S	East Frame	Top West corner of the North face of the frame	
54	SPFR1WNx	Horizontal E-W	West Frame	Top North corner of the West face of the frame	
55	SPFR1WSx	Horizontal E-W	West Frame	Top South corner of the West face of the frame	
Additional instrumentation with Ceiling (89/144)					
Accelerometers					
56	ATIL1x	Horizontal E-W	West Frame	Center of the ceiling system (on the grid)	
57	ATIL1y	Horizontal N-S	West Frame	Center of the ceiling system (on the grid)	
58	ATIL1z	Vertical	West Frame	Center of the ceiling system (on the grid)	
59	ATIL2x	Horizontal E-W	East Frame	Center of the ceiling system (on the grid)	
60	ATIL2y	Horizontal N-S	East Frame	Center of the ceiling system (on the grid)	
61	ATIL2z	Vertical	East Frame	Center of the ceiling system (on the grid)	
62	ATIL3x	Horizontal E-W	Link Frame	Center of the ceiling system (on the grid)	
63	ATIL3y	Horizontal N-S	Link Frame	Center of the ceiling system (on the grid)	
64	ATIL3z	Vertical	Link Frame	Center of the ceiling system (on the grid)	
65	ATIL1Ny	Horizontal N-S	West Frame	North end of Transverse grid (middle)	
66	ATIL1Nz	Vertical	West Frame	North end of Transverse grid (middle)	
67	ATIL1Sy	Horizontal N-S	West Frame	South end of Transverse grid (middle)	
68	ATIL1Sz	Vertical	West Frame	South end of Transverse grid (middle)	
69	ATIL1Wx	Horizontal E-W	West Frame	West end of Longitudinal grid (middle)	
70	ATIL1Wz	Vertical	West Frame	West end of Longitudinal grid (middle)	
71	ATIL2Ny	Horizontal N-S	East Frame	North end of Transverse grid (middle)	
72	ATIL2Nz	Vertical	East Frame	North end of Transverse grid (middle)	
73	ATIL2Sy	Horizontal N-S	East Frame	South end of Transverse grid (middle)	
74	ATIL2Sz	Vertical	East Frame	South end of Transverse grid (middle)	
75	ATIL2Ex	Horizontal E-W	East Frame	East end of Longitudinal grid (middle)	
76	ATIL2Ez	Vertical	East Frame	East end of Longitudinal grid (middle)	
77	ATIL3Ny	Horizontal N-S	Link Frame	North end of Transverse grid (middle)	
78	ATIL3Nz	Vertical	Link Frame	North end of Transverse grid (middle)	
79	ATIL3Sy	Horizontal N-S	Link Frame	South end of Transverse grid (middle)	
80	ATIL3Sz	Vertical	Link Frame	South end of Transverse grid (middle)	

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6ft by 6ft. Selected Area (3 x 3 ceilings) - Accelerometers					
81	ATM1z	Vertical	3x3 ceilings	Surface of ceiling panel (center)	
82	ATM2z	Vertical	3x3 ceilings	Surface of ceiling panel (center)	
83	ATM3z	Vertical	3x3 ceilings	Surface of ceiling panel (center)	
84	ATM4z	Vertical	3x3 ceilings	Surface of ceiling panel (center)	
85	ATM5z	Vertical	3x3 ceilings	Surface of ceiling panel (center)	
86	ATM6z	Vertical	3x3 ceilings	Surface of ceiling panel (center)	
87	ATM7z	Vertical	3x3 ceilings	Surface of ceiling panel (center)	
88	ATM8z	Vertical	3x3 ceilings	Surface of ceiling panel (center)	
89	ATM9z	Vertical	3x3 ceilings	Surface of ceiling panel (center)	
90	ATL1z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
91	ATL2z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
92	ATL3z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
93	ATL4z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
94	ATL5z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
95	ATL6z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
96	ATL7z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
97	ATL8z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
98	ATL9z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
99	ATL10z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
100	ATL11z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
101	ATL12z	Vertical	3x3 ceilings	On the Longitudinal grid (middle of the 2ft segment)	
102	ATT1z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
103	ATT2z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
104	ATT3z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
105	ATT4z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
106	ATT5z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
107	ATT6z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
108	ATT7z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
109	ATT8z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
110	ATT9z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
111	ATT10z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
112	ATT11z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
113	ATT12z	Vertical	3x3 ceilings	On the Transverse grid (middle of the 2ft segment)	
114	ATCS1x	Horizontal E-W	West Frame	Top of the Compression Strut	
115	ATCS1y	Horizontal N-S	West Frame	Top of the Compression Strut	
116	ATCS1z	Vertical	West Frame	Top of the Compression Strut	

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Displacement Transducer (Potentiometer)					
117	PN1y	Horizontal N-S	West Frame	North end of Transverse grid (same one for ATT1z)	
118	PN2y	Horizontal N-S	West Frame	North end of Transverse grid (same one for ATT2z)	
119	PN3y	Horizontal N-S	West Frame	North end of Transverse grid (same one for ATT3z)	
120	PN4y	Horizontal N-S	West Frame	North end of Transverse grid (same one for ATT4z)	
121	PS1y	Horizontal N-S	West Frame	South end of Transverse grid (same one for ATT1z)	
122	PS2y	Horizontal N-S	West Frame	South end of Transverse grid (same one for ATT2z)	
123	PS3y	Horizontal N-S	West Frame	South end of Transverse grid (same one for ATT3z)	
124	PS4y	Horizontal N-S	West Frame	South end of Transverse grid (same one for ATT4z)	
125	PE1x	Horizontal E-W	East Frame	East end of Longitudinal grid (same one for ATL1z)	
126	PE2x	Horizontal E-W	East Frame	East end of Longitudinal grid (same one for ATL4z)	
127	PE3x	Horizontal E-W	East Frame	East end of Longitudinal grid (same one for ATL7z)	
128	PE4x	Horizontal E-W	East Frame	East end of Longitudinal grid (same one for ATL10z)	
129	PW1x	Horizontal E-W	West Frame	West end of Longitudinal grid (same one for ATL1z)	
130	PW2x	Horizontal E-W	West Frame	West end of Longitudinal grid (same one for ATL4z)	
131	PW3x	Horizontal E-W	West Frame	West end of Longitudinal grid (same one for ATL7z)	
132	PW4x	Horizontal E-W	West Frame	West end of Longitudinal grid (same one for ATL10z)	
Load Cell (on the wires)					
133	LCVW1z	Vertical	3x3 ceilings	On the grid vertical Wire (NW)	
134	LCVW2z	Vertical	3x3 ceilings	On the grid vertical Wire (NE)	
135	LCVW3z	Vertical	3x3 ceilings	On the grid vertical Wire (SW)	
136	LCVW4z	Vertical	3x3 ceilings	On the grid vertical Wire (SE)	
137	LCSW1z	Vertical	3x3 ceilings	On the sloped Wire connected to Compression strut (N)	
138	LCSW2z	Vertical	3x3 ceilings	On the sloped Wire connected to Compression strut (S)	
139	LCSW3z	Vertical	3x3 ceilings	On the sloped Wire connected to Compression strut (E)	
140	LCSW4z	Vertical	3x3 ceilings	On the sloped Wire connected to Compression strut (W)	
141	LCVWEz	Vertical	3x3 ceilings	East end of the vertical Wire (refer to the Wire of LCVW1z)	
142	LCVWWz	Vertical	3x3 ceilings	West end of the vertical Wire (refer to the Wire of LCVW1z)	
143	LCVWN1z	Vertical	3x3 ceilings	North end of the vertical Perimeter Wire	
144	LCVWN2z	Vertical	3x3 ceilings	North end of the vertical Perimeter Wire	
145	LCVWN3z	Vertical	3x3 ceilings	North end of the vertical Wire (refer to the Wire of LCVW1z)	
146	LCVWN4z	Vertical	3x3 ceilings	North end of the vertical Perimeter Wire	
147	LCVWN5z	Vertical	3x3 ceilings	North end of the vertical Perimeter Wire	
148	LCVWS1z	Vertical	3x3 ceilings	South end of the vertical Perimeter Wire	
149	LCVWS2z	Vertical	3x3 ceilings	South end of the vertical Perimeter Wire	
150	LCVWS3z	Vertical	3x3 ceilings	South end of the vertical Wire (refer to the Wire of LCVW1z)	
151	LCVWS4z	Vertical	3x3 ceilings	South end of the vertical Perimeter Wire	
152	LCVWS5z	Vertical	3x3 ceilings	South end of the vertical Perimeter Wire	

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