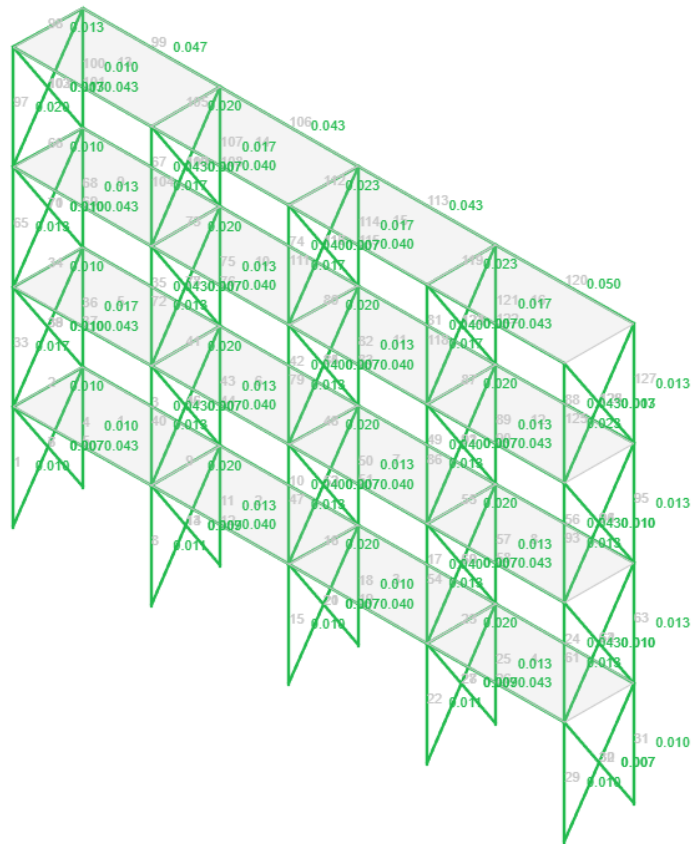


# AISC 360-16 Scaffolding Design Report

21/08/2024, 11:14:29



Model/File name:	undefined
Designer:	Jesse Bonanno
Email:	jesse.bonanno@skyciv.com
Calculation:	AISC 360-16 Scaffolding Design
Description:	This tool allows you to perform design of members, couplers and joints of a steel scaffolding structures as per AISC 360-16.

ID	d (in)	t <sub>w</sub> (in)	L (ft)	f <sub>y</sub> (ksi)	f <sub>u</sub> (ksi)	E (ksi)	c <sub>t</sub>	C <sub>cb</sub> (kip-ft)	C <sub>ct</sub> (kip-ft)	C <sub>cs</sub> (kip)	C <sub>ca</sub> (kip)	M (kip-ft)	M <sub>e</sub> (kip-ft)	V (kip)	V <sub>e</sub> (kip)	N (kip)	T (kip-ft)	r <sub>d</sub>	L <sub>LT</sub> (ft)	K <sub>y</sub>	K <sub>z</sub>
1	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.002	0.002	-0.001	0.041	0	100	6	1	1
2	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0	0.008	0.008	0.014	0.002	100	6	1	1
3	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.016	0.015	0.003	0.002	100	6	1	1
4	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	-0.001	0.071	0	100	6	1	1
5	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.016	0.015	0.004	0.002	100	6	1	1
6	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.002	0.002	0.002	0.025	0	100	6	1	1
7	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.002	0.002	0.049	0	100	6	1	1
8	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.001	0.001	0	0.142	0	100	6	1	1
9	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.024	0	100	6	1	1
10	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.003	0.002	100	6	1	1
11	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.001	0	0.172	0	100	6	1	1
12	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.004	0.002	100	6	1	1
13	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.003	0.003	0.095	0	100	6	1	1
14	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.003	0.003	0.113	0	100	6	1	1
15	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.001	0.001	0	0.072	0	100	6	1	1
16	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.013	0	100	6	1	1
17	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.003	0.002	100	6	1	1
18	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.001	0	0.108	0	100	6	1	1
19	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.004	0.002	100	6	1	1
20	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.003	0.003	0.052	0	100	6	1	1
21	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.003	0.003	0.069	0	100	6	1	1
22	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.001	0.001	0	0.143	0	100	6	1	1
23	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.024	0	100	6	1	1
24	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.019	0.016	0.004	0.003	100	6	1	1
25	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.001	0	0.172	0	100	6	1	1
26	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0.001	0.019	0.016	0.004	0.003	100	6	1	1
27	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.003	0.003	0.095	0	100	6	1	1
28	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.003	0.003	0.113	0	100	6	1	1
29	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.002	0.002	0.002	0.039	0	100	6	1	1
30	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.002	0.002	0.023	0	100	6	1	1
31	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.002	0.002	0.002	0.069	0	100	6	1	1
32	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.002	0.002	0.002	0.046	0	100	6	1	1
33	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.005	0.005	0.003	-0.002	0.039	0	100	6	1	1
34	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0	0.008	0.008	0.006	0.002	100	6	1	1
35	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.016	0.016	0.004	0.002	100	6	1	1
36	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.005	0.004	0.003	-0.002	0.028	0	100	6	1	1
37	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.016	0.016	0.004	0.002	100	6	1	1
38	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	0.002	0.009	0	100	6	1	1
39	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	0.002	0.035	0	100	6	1	1
40	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.121	0	100	6	1	1
41	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.018	0	100	6	1	1
42	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.015	0.006	0.002	100	6	1	1

ID	d (in)	t <sub>w</sub> (in)	L (ft)	f <sub>y</sub> (ksi)	f <sub>u</sub> (ksi)	E (ksi)	c <sub>t</sub>	C <sub>cb</sub> (kip-ft)	C <sub>ct</sub> (kip-ft)	C <sub>cs</sub> (kip)	C <sub>ca</sub> (kip)	M (kip-ft)	M <sub>e</sub> (kip-ft)	V (kip)	V <sub>e</sub> (kip)	N (kip)	T (kip-ft)	r <sub>d</sub>	L <sub>LT</sub> (ft)	K <sub>y</sub>	K <sub>z</sub>
43	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.124	0	100	6	1	1
44	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.015	0.005	0.002	100	6	1	1
45	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.072	0	100	6	1	1
46	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.085	0	100	6	1	1
47	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.052	0	100	6	1	1
48	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.008	0	100	6	1	1
49	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.006	0.002	100	6	1	1
50	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.052	0	100	6	1	1
51	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.005	0.002	100	6	1	1
52	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.021	0	100	6	1	1
53	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.049	0	100	6	1	1
54	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.121	0	100	6	1	1
55	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.018	0	100	6	1	1
56	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.02	0.016	0.004	0.003	100	6	1	1
57	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.125	0	100	6	1	1
58	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.02	0.016	0.004	0.003	100	6	1	1
59	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.072	0	100	6	1	1
60	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.085	0	100	6	1	1
61	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0.003	0.037	0	100	6	1	1
62	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	0.002	0.008	0	100	6	1	1
63	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0.003	0.028	0	100	6	1	1
64	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	0.002	0.033	0	100	6	1	1
65	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	-0.002	0.043	0	100	6	1	1
66	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0	0.008	0.008	0.006	0.002	100	6	1	1
67	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.016	0.016	0.014	0.002	100	6	1	1
68	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	-0.002	0.027	0	100	6	1	1
69	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.016	0.016	0.014	0.002	100	6	1	1
70	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	0.002	0.016	0	100	6	1	1
71	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	0.002	0.025	0	100	6	1	1
72	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.093	0	100	6	1	1
73	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.013	0	100	6	1	1
74	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.015	0.014	0.002	100	6	1	1
75	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.093	0	100	6	1	1
76	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.015	0.013	0.002	100	6	1	1
77	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.063	0	100	6	1	1
78	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.055	0	100	6	1	1
79	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.057	0	100	6	1	1
80	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.009	0	100	6	1	1
81	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.014	0.002	100	6	1	1
82	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.035	0	100	6	1	1
83	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.013	0.002	100	6	1	1
84	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.034	0	100	6	1	1

ID	d (in)	t <sub>w</sub> (in)	L (ft)	f <sub>y</sub> (ksi)	f <sub>u</sub> (ksi)	E (ksi)	c <sub>t</sub>	C <sub>cb</sub> (kip-ft)	C <sub>ct</sub> (kip-ft)	C <sub>cs</sub> (kip)	C <sub>ca</sub> (kip)	M (kip-ft)	M <sub>e</sub> (kip-ft)	V (kip)	V <sub>e</sub> (kip)	N (kip)	T (kip-ft)	r <sub>d</sub>	L <sub>LT</sub> (ft)	K <sub>y</sub>	K <sub>z</sub>
85	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.048	0	100	6	1	1
86	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.093	0	100	6	1	1
87	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.013	0	100	6	1	1
88	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.02	0.016	0.014	0.003	100	6	1	1
89	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0	0.093	0	100	6	1	1
90	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.02	0.016	0.014	0.003	100	6	1	1
91	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.063	0	100	6	1	1
92	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0	0.002	0.002	0.055	0	100	6	1	1
93	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0.003	0.041	0	100	6	1	1
94	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	0.002	0.016	0	100	6	1	1
95	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.003	0.003	0.026	0	100	6	1	1
96	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	0.002	0.024	0	100	6	1	1
97	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0.005	0.004	-0.002	0.034	0	100	6	1	1
98	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0	0.008	0.008	0.12	0.003	100	6	1	1
99	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.014	0	0.018	0.018	0.136	0.002	100	6	1	1
100	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.003	0.003	0.002	-0.002	0.072	0	100	6	1	1
101	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.017	0.014	0.212	0.002	100	6	1	1
102	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.002	0.002	0.03	0	100	6	1	1
103	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.002	0.002	0.006	0	100	6	1	1
104	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.005	0.005	0.003	0	0.048	0	100	6	1	1
105	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.006	0	0.014	0.014	0.201	0	100	6	1	1
106	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.016	0.015	0.214	0.002	100	6	1	1
107	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.005	0.005	0.003	0	0.043	0	100	6	1	1
108	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.204	0.002	100	6	1	1
109	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.002	0.002	0.037	0	100	6	1	1
110	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.002	0.002	0.051	0	100	6	1	1
111	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.005	0.005	0.003	0	0.053	0	100	6	1	1
112	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.007	0	0.014	0.014	0.248	0	100	6	1	1
113	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.016	0.016	0.216	0.002	100	6	1	1
114	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.005	0.005	0.003	0	0.125	0	100	6	1	1
115	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.012	0	0.016	0.016	0.204	0.002	100	6	1	1
116	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.002	0.002	0.065	0	100	6	1	1
117	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.002	0.002	0.019	0	100	6	1	1
118	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.005	0.005	0.003	0	0.048	0	100	6	1	1
119	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.007	0	0.014	0.014	0.202	0	100	6	1	1
120	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.015	0	0.022	0.016	0.134	0.004	100	6	1	1
121	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.005	0.005	0.003	0	0.043	0	100	6	1	1
122	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.013	0	0.018	0.017	0.212	0.003	100	6	1	1
123	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.002	0.002	0.037	0	100	6	1	1
124	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.001	0.002	0.002	0.051	0	100	6	1	1
125	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.007	0.005	0.004	0.004	0.029	0	100	6	1	1
126	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.002	0.002	0.002	0.002	0.029	0	100	6	1	1

ID	d (in)	t <sub>w</sub> (in)	L (ft)	f <sub>y</sub> (ksi)	f <sub>u</sub> (ksi)	E (ksi)	c <sub>t</sub>	C <sub>cb</sub> (kip-ft)	C <sub>ct</sub> (kip-ft)	C <sub>cs</sub> (kip)	C <sub>ca</sub> (kip)	M (kip-ft)	M <sub>e</sub> (kip-ft)	V (kip)	V <sub>e</sub> (kip)	N (kip)	T (kip-ft)	r <sub>d</sub>	L <sub>LT</sub> (ft)	K <sub>y</sub>	K <sub>z</sub>
127	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.002	0.001	0.071	0	100	6	1	1
128	1.3	0.1	0	38	59	29000	RA	7	7	10	20	0.004	0.004	0.002	0.002	0.005	0	100	6	1	1

Element ID	UR <sub>am</sub>	UR <sub>sh</sub>	UR <sub>mc</sub>	UR <sub>bc</sub>	UR <sub>gc</sub>	UR <sub>slc</sub>	UR <sub>tc</sub>	Governing	Status
1	0.003	0.001	0.010	0.000	0.000	0.002	0.000	0.010	PASS
2	0.001	0.002	0.010	0.000	0.001	0.001	0.000	0.010	PASS
3	0.000	0.004	0.043	0.000	0.002	0.000	0.000	0.043	PASS
4	0.006	0.001	0.010	0.000	0.000	0.004	0.000	0.010	PASS
5	0.000	0.004	0.043	0.000	0.002	0.000	0.000	0.043	PASS
6	0.002	0.001	0.007	0.000	0.000	0.001	0.000	0.007	PASS
7	0.004	0.001	0.007	0.000	0.000	0.002	0.000	0.007	PASS
8	0.011	0.000	0.010	0.000	0.000	0.007	0.000	0.011	PASS
9	0.002	0.004	0.020	0.000	0.001	0.001	0.000	0.020	PASS
10	0.000	0.004	0.040	0.000	0.002	0.000	0.000	0.040	PASS
11	0.013	0.000	0.010	0.000	0.000	0.009	0.000	0.013	PASS
12	0.000	0.004	0.040	0.000	0.002	0.000	0.000	0.040	PASS
13	0.007	0.001	0.007	0.000	0.000	0.005	0.000	0.007	PASS
14	0.009	0.001	0.007	0.000	0.000	0.006	0.000	0.009	PASS
15	0.006	0.000	0.010	0.000	0.000	0.004	0.000	0.010	PASS
16	0.001	0.004	0.020	0.000	0.001	0.001	0.000	0.020	PASS
17	0.000	0.004	0.040	0.000	0.002	0.000	0.000	0.040	PASS
18	0.008	0.000	0.010	0.000	0.000	0.005	0.000	0.010	PASS
19	0.000	0.004	0.040	0.000	0.002	0.000	0.000	0.040	PASS
20	0.004	0.001	0.007	0.000	0.000	0.003	0.000	0.007	PASS
21	0.005	0.001	0.007	0.000	0.000	0.003	0.000	0.007	PASS
22	0.011	0.000	0.010	0.000	0.000	0.007	0.000	0.011	PASS
23	0.002	0.004	0.020	0.000	0.001	0.001	0.000	0.020	PASS
24	0.000	0.005	0.043	0.000	0.002	0.000	0.000	0.043	PASS
25	0.013	0.000	0.010	0.000	0.000	0.009	0.000	0.013	PASS
26	0.000	0.005	0.043	0.000	0.002	0.000	0.000	0.043	PASS
27	0.007	0.001	0.007	0.000	0.000	0.005	0.000	0.007	PASS
28	0.009	0.001	0.007	0.000	0.000	0.006	0.000	0.009	PASS
29	0.003	0.001	0.010	0.000	0.000	0.002	0.000	0.010	PASS
30	0.002	0.001	0.007	0.000	0.000	0.001	0.000	0.007	PASS
31	0.005	0.001	0.010	0.000	0.000	0.003	0.000	0.010	PASS
32	0.004	0.001	0.007	0.000	0.000	0.002	0.000	0.007	PASS
33	0.003	0.001	0.017	0.001	0.000	0.002	0.000	0.017	PASS
34	0.000	0.002	0.010	0.000	0.001	0.000	0.000	0.010	PASS
35	0.000	0.004	0.043	0.000	0.002	0.000	0.000	0.043	PASS
36	0.002	0.001	0.017	0.001	0.000	0.001	0.000	0.017	PASS
37	0.000	0.004	0.043	0.000	0.002	0.000	0.000	0.043	PASS
38	0.001	0.001	0.010	0.000	0.000	0.000	0.000	0.010	PASS
39	0.003	0.001	0.010	0.000	0.000	0.002	0.000	0.010	PASS
40	0.009	0.001	0.013	0.001	0.000	0.006	0.000	0.013	PASS
41	0.001	0.004	0.020	0.000	0.001	0.001	0.000	0.020	PASS
42	0.000	0.004	0.040	0.000	0.002	0.000	0.000	0.040	PASS
43	0.010	0.001	0.013	0.001	0.000	0.006	0.000	0.013	PASS

Element ID	UR <sub>am</sub>	UR <sub>sh</sub>	UR <sub>mc</sub>	UR <sub>bc</sub>	UR <sub>sc</sub>	UR <sub>slc</sub>	UR <sub>tc</sub>	Governing	Status
44	0.000	0.004	0.040	0.000	0.002	0.000	0.000	0.040	PASS
45	0.006	0.001	0.007	0.000	0.000	0.004	0.000	0.007	PASS
46	0.007	0.001	0.007	0.000	0.000	0.004	0.000	0.007	PASS
47	0.004	0.001	0.013	0.001	0.000	0.003	0.000	0.013	PASS
48	0.001	0.004	0.020	0.000	0.001	0.000	0.000	0.020	PASS
49	0.000	0.004	0.040	0.000	0.002	0.000	0.000	0.040	PASS
50	0.004	0.001	0.013	0.001	0.000	0.003	0.000	0.013	PASS

Element ID	UR <sub>am</sub>	UR <sub>sh</sub>	UR <sub>mc</sub>	UR <sub>bc</sub>	UR <sub>sc</sub>	UR <sub>slc</sub>	UR <sub>tc</sub>	Governing	Status
51	0.000	0.004	0.040	0.000	0.002	0.000	0.000	0.040	PASS
52	0.002	0.001	0.007	0.000	0.000	0.001	0.000	0.007	PASS
53	0.004	0.001	0.007	0.000	0.000	0.002	0.000	0.007	PASS
54	0.009	0.001	0.013	0.001	0.000	0.006	0.000	0.013	PASS
55	0.001	0.004	0.020	0.000	0.001	0.001	0.000	0.020	PASS
56	0.000	0.005	0.043	0.000	0.002	0.000	0.000	0.043	PASS
57	0.010	0.001	0.013	0.001	0.000	0.006	0.000	0.013	PASS
58	0.000	0.005	0.043	0.000	0.002	0.000	0.000	0.043	PASS
59	0.006	0.001	0.007	0.000	0.000	0.004	0.000	0.007	PASS
60	0.007	0.001	0.007	0.000	0.000	0.004	0.000	0.007	PASS
61	0.003	0.001	0.013	0.001	0.000	0.002	0.000	0.013	PASS
62	0.001	0.001	0.010	0.000	0.000	0.000	0.000	0.010	PASS
63	0.002	0.001	0.013	0.001	0.000	0.001	0.000	0.013	PASS
64	0.003	0.001	0.010	0.000	0.000	0.002	0.000	0.010	PASS
65	0.003	0.001	0.013	0.001	0.000	0.002	0.000	0.013	PASS
66	0.000	0.002	0.010	0.000	0.001	0.000	0.000	0.010	PASS
67	0.001	0.004	0.043	0.000	0.002	0.001	0.000	0.043	PASS
68	0.002	0.001	0.013	0.001	0.000	0.001	0.000	0.013	PASS
69	0.001	0.004	0.043	0.000	0.002	0.001	0.000	0.043	PASS
70	0.001	0.001	0.010	0.000	0.000	0.001	0.000	0.010	PASS
71	0.002	0.001	0.010	0.000	0.000	0.001	0.000	0.010	PASS
72	0.007	0.001	0.013	0.001	0.000	0.005	0.000	0.013	PASS
73	0.001	0.004	0.020	0.000	0.001	0.001	0.000	0.020	PASS
74	0.001	0.004	0.040	0.000	0.002	0.001	0.000	0.040	PASS
75	0.007	0.001	0.013	0.001	0.000	0.005	0.000	0.013	PASS
76	0.001	0.004	0.040	0.000	0.002	0.001	0.000	0.040	PASS
77	0.005	0.001	0.007	0.000	0.000	0.003	0.000	0.007	PASS
78	0.004	0.001	0.007	0.000	0.000	0.003	0.000	0.007	PASS
79	0.004	0.001	0.013	0.001	0.000	0.003	0.000	0.013	PASS
80	0.001	0.004	0.020	0.000	0.001	0.000	0.000	0.020	PASS
81	0.001	0.004	0.040	0.000	0.002	0.001	0.000	0.040	PASS
82	0.003	0.001	0.013	0.001	0.000	0.002	0.000	0.013	PASS
83	0.001	0.004	0.040	0.000	0.002	0.001	0.000	0.040	PASS
84	0.003	0.001	0.007	0.000	0.000	0.002	0.000	0.007	PASS
85	0.004	0.001	0.007	0.000	0.000	0.002	0.000	0.007	PASS
86	0.007	0.001	0.013	0.001	0.000	0.005	0.000	0.013	PASS
87	0.001	0.004	0.020	0.000	0.001	0.001	0.000	0.020	PASS
88	0.001	0.005	0.043	0.000	0.002	0.001	0.000	0.043	PASS
89	0.007	0.001	0.013	0.001	0.000	0.005	0.000	0.013	PASS
90	0.001	0.005	0.043	0.000	0.002	0.001	0.000	0.043	PASS
91	0.005	0.001	0.007	0.000	0.000	0.003	0.000	0.007	PASS
92	0.004	0.001	0.007	0.000	0.000	0.003	0.000	0.007	PASS
93	0.003	0.001	0.013	0.001	0.000	0.002	0.000	0.013	PASS



Element ID	UR <sub>am</sub>	UR <sub>sh</sub>	UR <sub>mc</sub>	UR <sub>bc</sub>	UR <sub>sc</sub>	UR <sub>slc</sub>	UR <sub>tc</sub>	Governing	Status
94	0.001	0.001	0.010	0.000	0.000	0.001	0.000	0.010	PASS
95	0.002	0.001	0.013	0.001	0.000	0.001	0.000	0.013	PASS
96	0.002	0.001	0.010	0.000	0.000	0.001	0.000	0.010	PASS
97	0.003	0.001	0.020	0.001	0.000	0.002	0.000	0.020	PASS
98	0.009	0.002	0.013	0.000	0.001	0.006	0.000	0.013	PASS
99	0.011	0.005	0.047	0.000	0.002	0.007	0.000	0.047	PASS
100	0.006	0.001	0.010	0.000	0.000	0.004	0.000	0.010	PASS

Element ID	UR <sub>am</sub>	UR <sub>sh</sub>	UR <sub>mc</sub>	UR <sub>bc</sub>	UR <sub>sc</sub>	UR <sub>slc</sub>	UR <sub>tc</sub>	Governing	Status
101	0.016	0.004	0.043	0.000	0.001	0.011	0.000	0.043	PASS
102	0.002	0.001	0.007	0.000	0.000	0.002	0.000	0.007	PASS
103	0.000	0.001	0.013	0.001	0.000	0.000	0.000	0.013	PASS
104	0.004	0.001	0.017	0.001	0.000	0.002	0.000	0.017	PASS
105	0.016	0.004	0.020	0.000	0.001	0.010	0.000	0.020	PASS
106	0.017	0.004	0.043	0.000	0.002	0.011	0.000	0.043	PASS
107	0.003	0.001	0.017	0.001	0.000	0.002	0.000	0.017	PASS
108	0.016	0.004	0.040	0.000	0.002	0.010	0.000	0.040	PASS
109	0.003	0.001	0.007	0.000	0.000	0.002	0.000	0.007	PASS
110	0.004	0.001	0.007	0.000	0.000	0.003	0.000	0.007	PASS
111	0.004	0.001	0.017	0.001	0.000	0.003	0.000	0.017	PASS
112	0.019	0.004	0.023	0.000	0.001	0.012	0.000	0.023	PASS
113	0.017	0.004	0.043	0.000	0.002	0.011	0.000	0.043	PASS
114	0.010	0.001	0.017	0.001	0.000	0.006	0.000	0.017	PASS
115	0.016	0.004	0.040	0.000	0.002	0.010	0.000	0.040	PASS
116	0.005	0.001	0.007	0.000	0.000	0.003	0.000	0.007	PASS
117	0.001	0.001	0.007	0.000	0.000	0.001	0.000	0.007	PASS
118	0.004	0.001	0.017	0.001	0.000	0.002	0.000	0.017	PASS
119	0.016	0.004	0.023	0.000	0.001	0.010	0.000	0.023	PASS
120	0.010	0.006	0.050	0.000	0.002	0.007	0.001	0.050	PASS
121	0.003	0.001	0.017	0.001	0.000	0.002	0.000	0.017	PASS
122	0.016	0.005	0.043	0.000	0.002	0.011	0.000	0.043	PASS
123	0.003	0.001	0.007	0.000	0.000	0.002	0.000	0.007	PASS
124	0.004	0.001	0.007	0.000	0.000	0.003	0.000	0.007	PASS
125	0.002	0.001	0.023	0.001	0.000	0.001	0.000	0.023	PASS
126	0.002	0.001	0.007	0.000	0.000	0.001	0.000	0.007	PASS
127	0.006	0.001	0.013	0.001	0.000	0.004	0.000	0.013	PASS
128	0.000	0.001	0.013	0.001	0.000	0.000	0.000	0.013	PASS