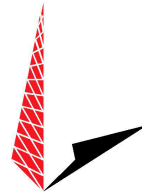


Date: **August 18, 2017**

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Subject:	Leg Scoping	
Tower Designation:	Site Name:	<i>Slide Mountain</i>
Engineering Firm Designation:	TEP Number:	<i>79179.126927</i>
Site Data:	New Washoe City, NV 89704 Latitude 39° 18' 52.4", Longitude -119° 53' 03.0" 123 Foot – Self Support Tower	

Tower Engineering Professionals, Inc. is pleased to submit this “**Leg Scoping Report**” to Overland Contracting Inc. The inspection was completed on August 7th–10th, 2017.

During the inspection, TEP installed 1/2" ø weep holes and ran a fiber optic camera throughout the tower legs. Leg thickness was measured every foot with an ultrasonic thickness gauge (UT). This process is limited by areas where the UT is used, and the effect of RF on electronic equipment. The UT used at this site was a Dakota Ultrasonics MX-3. For the purpose of this inspection, the tower legs were named by letter according to the magnetic azimuth defined by a line from the center of tower to the leg. “A” leg is the leg closest to magnetic north, followed clockwise by “B” and “C.” A-leg’s azimuth was ~30 degrees. The results were as follows:

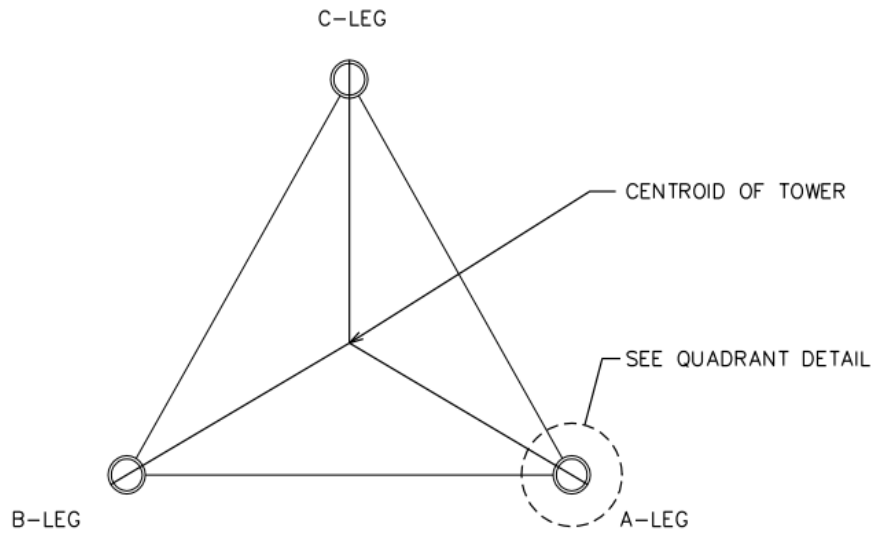
- **Minor corrosion was observed inside the legs in three locations.**
- **Water was observed and drained from the legs in three locations.**
- **A split leg was observed at the bottom of Section 5 C Leg.**
- **The tower was observed to be 123-ft. instead of the 120-ft. specified in the drawings**

Locations and details of these issues are listed in the executive summary.

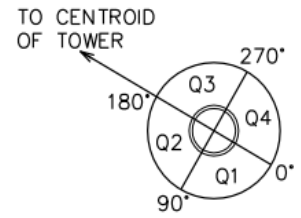
We at Tower Engineering Professionals, Inc. appreciate the opportunity of providing our continuing professional services to you and Overland Contracting Inc. If you have any questions or need further assistance on this or any other projects, please give us a call.

Respectfully submitted,

Jason Chestnutt, EI



QUADRANT DETAIL



EXECUTIVE SUMMARY

Photograph	Observations and Recommendations
	Item 1 Observation: Minor corrosion was observed in the legs at the following locations: • Section 4, A leg, ~65 ft. • Section 5, B leg, ~85 ft. • Section 5, C leg, ~80-84 ft. All other areas of the tower were observed with little or no corrosion. Recommendation: Monitor the legs to ensure that present corrosion does not progress. In the event that present corrosion becomes problematic, remedial action will be required.
	
	

EXECUTIVE SUMMARY

Photograph	Observations and Recommendations
	Item 2 Observation: Water was observed and drained from the leg in the following locations: • Section 4, A leg • Section 4, B leg • Section 5, B leg Recommendation: Ensure that proper drainage is maintained to prevent possible damage to the leg.

EXECUTIVE SUMMARY

Photograph	Observations and Recommendations
	Item 3 Observation: 1/2" weep holes were installed in the bottom of all sections. Weep holes were observed to be previously existing at the bottom of Section 3-A and Section 5-C. Recommendation: Monitor the weep holes to ensure proper drainage.

EXECUTIVE SUMMARY

Photograph	Observations and Recommendations
	Item 4 Observation: A split leg was observed at 80' 8-1/4" to 81' 1" C Leg. The split is 3/8" at the widest point. Recommendation: A professional engineer licensed in the state of Nevada should review the capacity of the leg and design a modification if necessary.

EXECUTIVE SUMMARY

Photograph	Observations and Recommendations
	Item 5 Observation: UT measurements were taken at 1 foot intervals throughout the tower. See Appendix A for results. Recommendation: No further action required.
	Item 6 Observation: A sheared off leg was observed at the top of tower on the B leg. Recommendation: A licensed engineer in the state of Nevada should review the capacity for the leg and design a modification to cap the leg.
	Item 7 Observation: Chipped grout was observed at the bottom of Section 1-C. Recommendation: A licensed engineer in the state of Nevada should review the capacity in this area and design a modification if necessary.

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
A	1	0.5	P12 STD (12.75 x.375)	0.371	0.372	0.368	0.367
		1	P12 STD (12.75 x.375)	0.370	0.369	0.365	0.365
		2	P12 STD (12.75 x.375)	0.365	0.363	0.365	0.366
		3	P12 STD (12.75 x.375)	0.365	0.364	0.366	0.366
		4	P12 STD (12.75 x.375)	0.367	0.364	0.364	0.365
		5	P12 STD (12.75 x.375)	0.363	0.365	0.366	0.368
		6	P12 STD (12.75 x.375)	0.364	0.363	0.365	0.367
		7	P12 STD (12.75 x.375)	0.367	0.363	0.365	0.363
		8	P12 STD (12.75 x.375)	0.381	0.372	0.367	0.365
		9	P12 STD (12.75 x.375)	0.378	0.366	0.366	0.361
		10	P12 STD (12.75 x.375)	0.388	0.367	0.368	0.371
		11	P12 STD (12.75 x.375)	0.377	0.361	0.362	0.364
		12	P12 STD (12.75 x.375)	0.376	0.367	0.372	0.371
		13	P12 STD (12.75 x.375)	0.365	0.369	0.367	0.367
		14	P12 STD (12.75 x.375)	0.370	0.376	0.368	0.367
		15	P12 STD (12.75 x.375)	0.371	0.377	0.363	0.366
		16	P12 STD (12.75 x.375)	0.363	0.372	0.366	0.369
		17	P12 STD (12.75 x.375)	0.374	0.370	0.366	0.364
		18	P12 STD (12.75 x.375)	0.388	0.370	0.367	0.362
		19	P12 STD (12.75 x.375)	0.390	0.363	0.362	0.367
B	1	19.5	P12 STD (12.75 x.375)	0.391	0.361	0.359	0.365
		0.5	P12 STD (12.75 x.375)	0.372	0.371	0.374	0.362
		1	P12 STD (12.75 x.375)	0.372	0.363	0.363	0.365
		2	P12 STD (12.75 x.375)	0.369	0.363	0.364	0.364
		3	P12 STD (12.75 x.375)	0.366	0.363	0.368	0.360
		4	P12 STD (12.75 x.375)	0.366	0.367	0.363	0.362
		5	P12 STD (12.75 x.375)	0.365	0.365	0.365	0.365
		6	P12 STD (12.75 x.375)	0.366	0.361	0.366	0.372
		7	P12 STD (12.75 x.375)	0.364	0.361	0.368	0.365
		8	P12 STD (12.75 x.375)	0.366	0.364	0.370	0.369
		9	P12 STD (12.75 x.375)	0.367	0.360	0.367	0.365
		10	P12 STD (12.75 x.375)	0.366	0.363	0.366	0.367
		11	P12 STD (12.75 x.375)	0.364	0.370	0.367	0.365
		12	P12 STD (12.75 x.375)	0.365	0.362	0.368	0.387
		13	P12 STD (12.75 x.375)	0.367	0.361	0.373	0.366
		14	P12 STD (12.75 x.375)	0.370	0.361	0.367	0.368
		15	P12 STD (12.75 x.375)	0.363	0.367	0.371	0.373
		16	P12 STD (12.75 x.375)	0.369	0.365	0.369	0.371
		17	P12 STD (12.75 x.375)	0.390	0.366	0.369	0.370
		18	P12 STD (12.75 x.375)	0.401	0.368	0.357	0.366
		19	P12 STD (12.75 x.375)	0.390	0.367	0.367	0.371
		19.5	P12 STD (12.75 x.375)	0.374	0.370	0.369	0.370

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
C	1	0.5	P12 STD (12.75 x.375)	0.357	0.363	0.367	0.362
		1	P12 STD (12.75 x.375)	0.360	0.355	0.365	0.360
		2	P12 STD (12.75 x.375)	0.361	0.357	0.363	0.361
		3	P12 STD (12.75 x.375)	0.363	0.363	0.364	0.363
		4	P12 STD (12.75 x.375)	0.363	0.357	0.363	0.362
		5	P12 STD (12.75 x.375)	0.364	0.361	0.364	0.365
		6	P12 STD (12.75 x.375)	0.362	0.359	0.363	0.363
		7	P12 STD (12.75 x.375)	0.361	0.360	0.362	0.364
		8	P12 STD (12.75 x.375)	0.359	0.358	0.366	0.362
		9	P12 STD (12.75 x.375)	0.360	0.356	0.365	0.363
		10	P12 STD (12.75 x.375)	0.358	0.362	0.379	0.364
		11	P12 STD (12.75 x.375)	0.363	0.364	0.363	0.364
		12	P12 STD (12.75 x.375)	0.360	0.363	0.367	0.361
		13	P12 STD (12.75 x.375)	0.362	0.358	0.363	0.366
		14	P12 STD (12.75 x.375)	0.360	0.362	0.374	0.364
		15	P12 STD (12.75 x.375)	0.363	0.365	0.361	0.369
		16	P12 STD (12.75 x.375)	0.361	0.362	0.362	0.368
		17	P12 STD (12.75 x.375)	0.369	0.365	0.367	0.369
		18	P12 STD (12.75 x.375)	0.364	0.371	0.367	0.369
		19	P12 STD (12.75 x.375)	0.362	0.364	0.355	0.366
A	2	19.5	P12 STD (12.75 x.375)	0.366	0.363	0.359	0.365
		20.5	P10 STD (10.75 x.365)	0.362	0.357	0.360	0.363
		21	P10 STD (10.75 x.365)	0.368	0.363	0.367	0.367
		22	P10 STD (10.75 x.365)	0.399	0.395	0.378	0.356
		23	P10 STD (10.75 x.365)	0.370	0.371	0.366	0.365
		24	P10 STD (10.75 x.365)	0.368	0.374	0.368	0.370
		25	P10 STD (10.75 x.365)	0.365	0.366	0.367	0.368
		26	P10 STD (10.75 x.365)	0.369	0.366	0.368	0.366
		27	P10 STD (10.75 x.365)	0.376	0.387	0.382	0.367
		28	P10 STD (10.75 x.365)	0.368	0.371	0.366	0.367
		29	P10 STD (10.75 x.365)	0.369	0.384	0.362	0.372
		30	P10 STD (10.75 x.365)	0.375	0.365	0.376	0.375
		31	P10 STD (10.75 x.365)	0.402	0.378	0.376	0.371
		32	P10 STD (10.75 x.365)	0.399	0.374	0.395	0.380
		33	P10 STD (10.75 x.365)	0.379	0.376	0.370	0.381
		34	P10 STD (10.75 x.365)	0.377	0.372	0.393	0.378
		35	P10 STD (10.75 x.365)	0.370	0.382	0.377	0.386
		36	P10 STD (10.75 x.365)	0.376	0.374	0.377	0.378
		37	P10 STD (10.75 x.365)	0.410	0.374	0.379	0.375
		38	P10 STD (10.75 x.365)	0.395	0.377	0.376	0.376
		39	P10 STD (10.75 x.365)	0.371	0.395	0.408	0.402
		39.5	P10 STD (10.75 x.365)	0.370	0.370	0.382	0.399

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
B	2	20.5	P10 STD (10.75 x.365)	0.346	0.350	0.350	0.343
		21	P10 STD (10.75 x.365)	0.348	0.345	0.348	0.346
		22	P10 STD (10.75 x.365)	0.346	0.347	0.347	0.348
		23	P10 STD (10.75 x.365)	0.373	0.358	0.348	0.346
		24	P10 STD (10.75 x.365)	0.357	0.348	0.358	0.346
		25	P10 STD (10.75 x.365)	0.367	0.349	0.340	0.347
		26	P10 STD (10.75 x.365)	0.394	0.351	0.346	0.349
		27	P10 STD (10.75 x.365)	0.348	0.353	0.356	0.347
		28	P10 STD (10.75 x.365)	0.349	0.348	0.359	0.343
		29	P10 STD (10.75 x.365)	0.349	0.342	0.349	0.346
		30	P10 STD (10.75 x.365)	0.347	0.349	0.345	0.356
		31	P10 STD (10.75 x.365)	0.367	0.367	0.349	0.349
		32	P10 STD (10.75 x.365)	0.352	0.351	0.347	0.348
		33	P10 STD (10.75 x.365)	0.347	0.348	0.345	0.349
		34	P10 STD (10.75 x.365)	0.351	0.346	0.346	0.348
		35	P10 STD (10.75 x.365)	0.358	0.347	0.354	0.349
		36	P10 STD (10.75 x.365)	0.348	0.350	0.352	0.348
		37	P10 STD (10.75 x.365)	0.353	0.351	0.372	0.350
		38	P10 STD (10.75 x.365)	0.349	0.349	0.359	0.351
		39	P10 STD (10.75 x.365)	0.350	0.357	0.350	0.349
		39.5	P10 STD (10.75 x.365)	0.350	0.350	0.365	0.348
C	2	20.5	P10 STD (10.75 x.365)	0.373	0.367	0.362	0.372
		21	P10 STD (10.75 x.365)	0.363	0.397	0.366	0.392
		22	P10 STD (10.75 x.365)	0.367	0.376	0.381	0.373
		23	P10 STD (10.75 x.365)	0.366	0.372	0.368	0.369
		24	P10 STD (10.75 x.365)	0.363	0.375	0.354	0.382
		25	P10 STD (10.75 x.365)	0.371	0.397	0.372	0.409
		26	P10 STD (10.75 x.365)	0.377	0.389	0.383	0.380
		27	P10 STD (10.75 x.365)	0.386	0.373	0.381	0.409
		28	P10 STD (10.75 x.365)	0.374	0.372	0.367	0.376
		29	P10 STD (10.75 x.365)	0.379	0.372	0.371	0.380
		30	P10 STD (10.75 x.365)	0.368	0.370	0.365	0.372
		31	P10 STD (10.75 x.365)	0.373	0.373	0.372	0.375
		32	P10 STD (10.75 x.365)	0.371	0.376	0.370	0.379
		33	P10 STD (10.75 x.365)	0.379	0.375	0.367	0.378
		34	P10 STD (10.75 x.365)	0.374	0.375	0.391	0.379
		35	P10 STD (10.75 x.365)	0.382	0.379	0.372	0.377
		36	P10 STD (10.75 x.365)	0.407	0.375	0.368	0.379
		37	P10 STD (10.75 x.365)	0.376	0.382	0.370	0.379
		38	P10 STD (10.75 x.365)	0.385	0.382	0.373	0.378
		39	P10 STD (10.75 x.365)	0.374	0.375	0.375	0.379
		39.5	P10 STD (10.75 x.365)	0.388	0.380	0.370	0.382

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
A	3	40.5	P8 STD (8.625 x.322)	0.315	0.330	0.318	0.312
		41	P8 STD (8.625 x.322)	0.325	0.312	0.314	0.315
		42	P8 STD (8.625 x.322)	0.315	0.312	0.320	0.320
		43	P8 STD (8.625 x.322)	0.314	0.312	0.312	0.314
		44	P8 STD (8.625 x.322)	0.316	0.314	0.319	0.315
		45	P8 STD (8.625 x.322)	0.320	0.315	0.320	0.313
		46	P8 STD (8.625 x.322)	0.315	0.314	0.316	0.314
		47	P8 STD (8.625 x.322)	0.315	0.311	0.315	0.316
		48	P8 STD (8.625 x.322)	0.316	0.312	0.317	0.316
		49	P8 STD (8.625 x.322)	0.315	0.315	0.312	0.312
		50	P8 STD (8.625 x.322)	0.321	0.315	0.310	0.311
		51	P8 STD (8.625 x.322)	0.314	0.319	0.315	0.318
		52	P8 STD (8.625 x.322)	0.318	0.314	0.314	0.314
		53	P8 STD (8.625 x.322)	0.316	0.315	0.313	0.314
		54	P8 STD (8.625 x.322)	0.318	0.311	0.313	0.314
		55	P8 STD (8.625 x.322)	0.328	0.311	0.316	0.313
		56	P8 STD (8.625 x.322)	0.320	0.311	0.315	0.312
		57	P8 STD (8.625 x.322)	0.314	0.312	0.313	0.314
		58	P8 STD (8.625 x.322)	0.314	0.314	0.313	0.316
		59	P8 STD (8.625 x.322)	0.313	0.311	0.312	0.310
		59.5	P8 STD (8.625 x.322)	0.312	0.313	0.327	0.311
B	3	40.5	P8 STD (8.625 x.322)	0.313	0.319	0.314	0.314
		41	P8 STD (8.625 x.322)	0.316	0.318	0.312	0.311
		42	P8 STD (8.625 x.322)	0.316	0.315	0.317	0.315
		43	P8 STD (8.625 x.322)	0.318	0.320	0.316	0.313
		44	P8 STD (8.625 x.322)	0.318	0.324	0.316	0.317
		45	P8 STD (8.625 x.322)	0.318	0.326	0.318	0.314
		46	P8 STD (8.625 x.322)	0.321	0.323	0.313	0.314
		47	P8 STD (8.625 x.322)	0.314	0.317	0.313	0.320
		48	P8 STD (8.625 x.322)	0.314	0.325	0.311	0.316
		49	P8 STD (8.625 x.322)	0.315	0.329	0.318	0.311
		50	P8 STD (8.625 x.322)	0.315	0.331	0.315	0.315
		51	P8 STD (8.625 x.322)	0.316	0.331	0.313	0.314
		52	P8 STD (8.625 x.322)	0.313	0.340	0.306	0.316
		53	P8 STD (8.625 x.322)	0.315	0.339	0.315	0.320
		54	P8 STD (8.625 x.322)	0.311	0.316	0.308	0.317
		55	P8 STD (8.625 x.322)	0.312	0.314	0.308	0.315
		56	P8 STD (8.625 x.322)	0.315	0.334	0.312	0.313
		57	P8 STD (8.625 x.322)	0.316	0.313	0.309	0.323
		58	P8 STD (8.625 x.322)	0.309	0.331	0.320	0.316
		59	P8 STD (8.625 x.322)	0.308	0.326	0.317	0.319
		59.5	P8 STD (8.625 x.322)	0.311	0.350	0.311	0.314

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
C	3	40.5	P8 STD (8.625 x.322)	0.340	0.330	0.331	0.331
		41	P8 STD (8.625 x.322)	0.336	0.325	0.328	0.332
		42	P8 STD (8.625 x.322)	0.320	0.343	0.330	0.340
		43	P8 STD (8.625 x.322)	0.332	0.361	0.334	0.335
		44	P8 STD (8.625 x.322)	0.330	0.332	0.330	0.324
		45	P8 STD (8.625 x.322)	0.330	0.330	0.334	0.336
		46	P8 STD (8.625 x.322)	0.333	0.333	0.328	0.327
		47	P8 STD (8.625 x.322)	0.360	0.353	0.353	0.352
		48	P8 STD (8.625 x.322)	0.325	0.323	0.324	0.334
		49	P8 STD (8.625 x.322)	0.327	0.357	0.322	0.330
		50	P8 STD (8.625 x.322)	0.326	0.324	0.329	0.354
		51	P8 STD (8.625 x.322)	0.330	0.325	0.331	0.328
		52	P8 STD (8.625 x.322)	0.326	0.328	0.323	0.351
		53	P8 STD (8.625 x.322)	0.320	0.332	0.328	0.329
		54	P8 STD (8.625 x.322)	0.322	0.328	0.338	0.330
		55	P8 STD (8.625 x.322)	0.328	0.336	0.321	0.340
		56	P8 STD (8.625 x.322)	0.349	0.323	0.321	0.325
		57	P8 STD (8.625 x.322)	0.326	0.324	0.318	0.327
		58	P8 STD (8.625 x.322)	0.326	0.328	0.320	0.323
		59	P8 STD (8.625 x.322)	0.323	0.327	0.322	0.322
		59.5	P8 STD (8.625 x.322)	0.329	0.322	0.321	0.322
A	4	60.5	P6 STD (6.625 x.280)	0.293	0.301	0.298	0.298
		61	P6 STD (6.625 x.280)	0.291	0.301	0.302	0.297
		62	P6 STD (6.625 x.280)	0.299	0.303	0.298	0.300
		63	P6 STD (6.625 x.280)	0.298	0.303	0.296	0.299
		64	P6 STD (6.625 x.280)	0.303	0.301	0.296	0.299
		65	P6 STD (6.625 x.280)	0.307	0.303	0.297	0.303
		66	P6 STD (6.625 x.280)	0.300	0.299	0.312	0.314
		67	P6 STD (6.625 x.280)	0.307	0.302	0.297	0.307
		68	P6 STD (6.625 x.280)	0.312	0.314	0.302	0.289
		69	P6 STD (6.625 x.280)	0.301	0.298	0.292	0.297
		70	P6 STD (6.625 x.280)	0.295	0.292	0.291	0.293
		71	P6 STD (6.625 x.280)	0.293	0.299	0.316	0.296
		72	P6 STD (6.625 x.280)	0.291	0.299	0.293	0.300
		73	P6 STD (6.625 x.280)	0.301	0.296	0.297	0.325
		74	P6 STD (6.625 x.280)	0.306	0.293	0.293	0.292
		75	P6 STD (6.625 x.280)	0.292	0.291	0.293	0.293
		76	P6 STD (6.625 x.280)	0.298	0.298	0.314	0.294
		77	P6 STD (6.625 x.280)	0.289	0.300	0.291	0.293
		78	P6 STD (6.625 x.280)	0.303	0.299	0.293	0.293
		79	P6 STD (6.625 x.280)	0.288	0.294	0.301	0.300
		79.5	P6 STD (6.625 x.280)	0.287	0.280	0.293	0.296

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
B	4	60.5	P6 STD (6.625 x.280)	0.339	0.303	0.298	0.295
		61	P6 STD (6.625 x.280)	0.300	0.303	0.297	0.296
		62	P6 STD (6.625 x.280)	0.301	0.303	0.302	0.298
		63	P6 STD (6.625 x.280)	0.299	0.303	0.308	0.309
		64	P6 STD (6.625 x.280)	0.303	0.306	0.306	0.310
		65	P6 STD (6.625 x.280)	0.301	0.307	0.299	0.300
		66	P6 STD (6.625 x.280)	0.304	0.303	0.293	0.331
		67	P6 STD (6.625 x.280)	0.303	0.305	0.301	0.300
		68	P6 STD (6.625 x.280)	0.320	0.306	0.297	0.293
		69	P6 STD (6.625 x.280)	0.297	0.297	0.296	0.296
		70	P6 STD (6.625 x.280)	0.295	0.299	0.302	0.316
		71	P6 STD (6.625 x.280)	0.294	0.295	0.297	0.297
		72	P6 STD (6.625 x.280)	0.291	0.293	0.295	0.290
		73	P6 STD (6.625 x.280)	0.306	0.292	0.322	0.296
		74	P6 STD (6.625 x.280)	0.292	0.289	0.294	0.293
		75	P6 STD (6.625 x.280)	0.299	0.290	0.295	0.294
		76	P6 STD (6.625 x.280)	0.294	0.293	0.289	0.295
		77	P6 STD (6.625 x.280)	0.297	0.293	0.304	0.293
		78	P6 STD (6.625 x.280)	0.289	0.293	0.296	0.299
		79	P6 STD (6.625 x.280)	0.297	0.297	0.291	0.294
		79.5	P6 STD (6.625 x.280)	0.290	0.294	0.286	0.289
C	4	60.5	P6 STD (6.625 x.280)	0.312	0.269	0.269	0.269
		61	P6 STD (6.625 x.280)	0.269	0.268	0.269	0.268
		62	P6 STD (6.625 x.280)	0.273	0.270	0.269	0.269
		63	P6 STD (6.625 x.280)	0.272	0.268	0.290	0.280
		64	P6 STD (6.625 x.280)	0.271	0.269	0.269	0.266
		65	P6 STD (6.625 x.280)	0.270	0.268	0.271	0.266
		66	P6 STD (6.625 x.280)	0.272	0.271	0.267	0.270
		67	P6 STD (6.625 x.280)	0.276	0.271	0.266	0.269
		68	P6 STD (6.625 x.280)	0.271	0.268	0.266	0.265
		69	P6 STD (6.625 x.280)	0.267	0.263	0.273	0.266
		70	P6 STD (6.625 x.280)	0.269	0.269	0.268	0.267
		71	P6 STD (6.625 x.280)	0.306	0.292	0.269	0.268
		72	P6 STD (6.625 x.280)	0.278	0.272	0.273	0.266
		73	P6 STD (6.625 x.280)	0.272	0.269	0.269	0.268
		74	P6 STD (6.625 x.280)	0.266	0.269	0.269	0.264
		75	P6 STD (6.625 x.280)	0.263	0.270	0.270	0.266
		76	P6 STD (6.625 x.280)	0.307	0.268	0.272	0.270
		77	P6 STD (6.625 x.280)	0.273	0.268	0.271	0.264
		78	P6 STD (6.625 x.280)	0.278	0.271	0.270	0.265
		79	P6 STD (6.625 x.280)	0.273	0.267	0.266	0.268
		79.5	P6 STD (6.625 x.280)	0.280	0.273	0.268	0.267

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
A	5	80.5	P3.5 STD (4.0 x .226)	0.216	0.215	0.224	0.217
		81	P3.5 STD (4.0 x .226)	0.223	0.218	0.216	0.219
		82	P3.5 STD (4.0 x .226)	0.219	0.219	0.218	0.224
		83	P3.5 STD (4.0 x .226)	0.219	0.227	0.217	0.221
		84	P3.5 STD (4.0 x .226)	0.218	0.232	0.219	0.223
		85	P3.5 STD (4.0 x .226)	0.239	0.220	0.217	0.217
		86	P3.5 STD (4.0 x .226)	0.219	0.219	0.214	0.216
		87	P3.5 STD (4.0 x .226)	0.219	0.219	0.213	0.220
		88	P3.5 STD (4.0 x .226)	0.219	0.218	0.211	0.218
		89	P3.5 STD (4.0 x .226)	0.218	0.221	0.213	0.222
		90	P3.5 STD (4.0 x .226)	0.217	0.222	0.219	0.217
		91	P3.5 STD (4.0 x .226)	0.215	0.219	0.213	0.215
		92	P3.5 STD (4.0 x .226)	0.229	0.220	0.214	0.218
		93	P3.5 STD (4.0 x .226)	0.222	0.219	0.215	0.217
		94	P3.5 STD (4.0 x .226)	0.216	0.222	0.216	0.223
		95	P3.5 STD (4.0 x .226)	0.219	0.219	0.219	0.213
		96	P3.5 STD (4.0 x .226)	0.220	0.221	0.211	0.221
		97	P3.5 STD (4.0 x .226)	0.220	0.225	0.249	0.215
		98	P3.5 STD (4.0 x .226)	0.221	0.219	0.218	0.221
		99	P3.5 STD (4.0 x .226)	0.218	0.218	0.219	0.219
		99.5	P3.5 STD (4.0 x .226)	0.252	0.216	0.216	0.217
B	5	80.5	P3.5 STD (4.0 x .226)	0.216	0.209	0.215	0.209
		81	P3.5 STD (4.0 x .226)	0.214	0.209	0.214	0.215
		82	P3.5 STD (4.0 x .226)	0.220	0.213	0.215	0.214
		83	P3.5 STD (4.0 x .226)	0.217	0.218	0.217	0.221
		84	P3.5 STD (4.0 x .226)	0.224	0.236	0.218	0.233
		85	P3.5 STD (4.0 x .226)	0.218	0.213	0.216	0.216
		86	P3.5 STD (4.0 x .226)	0.223	0.211	0.216	0.215
		87	P3.5 STD (4.0 x .226)	0.228	0.213	0.214	0.214
		88	P3.5 STD (4.0 x .226)	0.243	0.213	0.220	0.212
		89	P3.5 STD (4.0 x .226)	0.217	0.220	0.219	0.210
		90	P3.5 STD (4.0 x .226)	0.223	0.216	0.212	0.217
		91	P3.5 STD (4.0 x .226)	0.227	0.212	0.214	0.226
		92	P3.5 STD (4.0 x .226)	0.219	0.214	0.219	0.246
		93	P3.5 STD (4.0 x .226)	0.246	0.233	0.217	0.217
		94	P3.5 STD (4.0 x .226)	0.226	0.209	0.222	0.219
		95	P3.5 STD (4.0 x .226)	0.223	0.221	0.214	0.212
		96	P3.5 STD (4.0 x .226)	0.220	0.228	0.224	0.216
		97	P3.5 STD (4.0 x .226)	0.229	0.216	0.221	0.217
		98	P3.5 STD (4.0 x .226)	0.224	0.217	0.222	0.219
		99	P3.5 STD (4.0 x .226)	0.219	0.212	0.215	0.216
		99.5	P3.5 STD (4.0 x .226)	0.219	0.225	0.220	0.218

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
C	5	80.5	P3.5 STD (4.0 x .226)	0.215	0.210	0.217	0.209
		81	P3.5 STD (4.0 x .226)	0.216	0.212	0.214	0.204
		82	P3.5 STD (4.0 x .226)	0.222	0.215	0.218	0.216
		83	P3.5 STD (4.0 x .226)	0.229	0.227	0.221	0.212
		84	P3.5 STD (4.0 x .226)	0.227	0.221	0.216	0.215
		85	P3.5 STD (4.0 x .226)	0.224	0.222	0.220	0.224
		86	P3.5 STD (4.0 x .226)	0.223	0.221	0.217	0.227
		87	P3.5 STD (4.0 x .226)	0.218	0.222	0.219	0.222
		88	P3.5 STD (4.0 x .226)	0.226	0.219	0.226	0.227
		89	P3.5 STD (4.0 x .226)	0.216	0.216	0.221	0.217
		90	P3.5 STD (4.0 x .226)	0.221	0.214	0.217	0.220
		91	P3.5 STD (4.0 x .226)	0.230	0.219	0.219	0.219
		92	P3.5 STD (4.0 x .226)	0.243	0.218	0.217	0.215
		93	P3.5 STD (4.0 x .226)	0.227	0.220	0.219	0.212
		94	P3.5 STD (4.0 x .226)	0.221	0.217	0.224	0.217
		95	P3.5 STD (4.0 x .226)	0.219	0.218	0.221	0.219
		96	P3.5 STD (4.0 x .226)	0.219	0.221	0.219	0.217
		97	P3.5 STD (4.0 x .226)	0.218	0.215	0.269	0.223
		98	P3.5 STD (4.0 x .226)	0.223	0.216	0.222	0.219
		99	P3.5 STD (4.0 x .226)	0.220	0.227	0.220	0.220
		99.5	P3.5 STD (4.0 x .226)	0.221	0.213	0.217	0.219
A	6	100.5	P2.5 STD (2.875 x .203)	0.204	0.211	0.208	0.199
		101	P2.5 STD (2.875 x .203)	0.201	0.207	0.201	0.201
		102	P2.5 STD (2.875 x .203)	0.202	0.203	0.200	0.207
		103	P2.5 STD (2.875 x .203)	0.209	0.204	0.202	0.202
		104	P2.5 STD (2.875 x .203)	0.204	0.202	0.201	0.204
		105	P2.5 STD (2.875 x .203)	0.207	0.202	0.201	0.199
		106	P2.5 STD (2.875 x .203)	0.199	0.204	0.198	0.199
		107	P2.5 STD (2.875 x .203)	0.202	0.203	0.200	0.199
		108	P2.5 STD (2.875 x .203)	0.206	0.201	0.200	0.201
		109	P2.5 STD (2.875 x .203)	0.199	0.199	0.199	0.199
		110	P2.5 STD (2.875 x .203)	0.202	0.202	0.200	0.202
		111	P2.5 STD (2.875 x .203)	0.200	0.199	0.202	0.197
		112	P2.5 STD (2.875 x .203)	0.201	0.198	0.200	0.199
		113	P2.5 STD (2.875 x .203)	0.219	0.198	0.201	0.199
		114	P2.5 STD (2.875 x .203)	0.205	0.207	0.203	0.199
		115	P2.5 STD (2.875 x .203)	0.227	0.200	0.198	0.197
		116	P2.5 STD (2.875 x .203)	0.206	0.201	0.207	0.200
		117	P2.5 STD (2.875 x .203)	0.205	0.205	0.203	0.203
		118	P2.5 STD (2.875 x .203)	0.209	0.205	0.205	0.201
		119	P2.5 STD (2.875 x .203)	0.204	0.199	0.207	0.199
		119.5	P2.5 STD (2.875 x .203)	0.201	0.197	0.202	0.202

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
B	6	100.5	P2.5 STD (2.875 x .203)	0.205	0.203	0.211	0.200
		101	P2.5 STD (2.875 x .203)	0.201	0.200	0.202	0.197
		102	P2.5 STD (2.875 x .203)	0.204	0.199	0.199	0.199
		103	P2.5 STD (2.875 x .203)	0.201	0.200	0.200	0.215
		104	P2.5 STD (2.875 x .203)	0.205	0.198	0.205	0.201
		105	P2.5 STD (2.875 x .203)	0.201	0.199	0.202	0.198
		106	P2.5 STD (2.875 x .203)	0.199	0.199	0.206	0.201
		107	P2.5 STD (2.875 x .203)	0.201	0.201	0.198	0.198
		108	P2.5 STD (2.875 x .203)	0.201	0.203	0.204	0.201
		109	P2.5 STD (2.875 x .203)	0.213	0.203	0.203	0.201
		110	P2.5 STD (2.875 x .203)	0.204	0.204	0.199	0.201
		111	P2.5 STD (2.875 x .203)	0.200	0.198	0.198	0.197
		112	P2.5 STD (2.875 x .203)	0.203	0.199	0.202	0.197
		113	P2.5 STD (2.875 x .203)	0.205	0.199	0.197	0.197
		114	P2.5 STD (2.875 x .203)	0.201	0.219	0.203	0.201
		115	P2.5 STD (2.875 x .203)	0.199	0.202	0.205	0.209
		116	P2.5 STD (2.875 x .203)	0.202	0.199	0.193	0.215
		117	P2.5 STD (2.875 x .203)	0.198	0.200	0.202	0.197
		118	P2.5 STD (2.875 x .203)	0.206	0.198	0.205	0.202
		119	P2.5 STD (2.875 x .203)	0.201	0.195	0.180	0.199
		119.5	P2.5 STD (2.875 x .203)	0.200	0.223	0.200	0.270
C	6	100.5	P2.5 STD (2.875 x .203)	0.242	0.202	0.201	0.202
		101	P2.5 STD (2.875 x .203)	0.207	0.205	0.201	0.206
		102	P2.5 STD (2.875 x .203)	0.203	0.205	0.209	0.202
		103	P2.5 STD (2.875 x .203)	0.209	0.211	0.216	0.211
		104	P2.5 STD (2.875 x .203)	0.203	0.207	0.202	0.201
		105	P2.5 STD (2.875 x .203)	0.197	0.207	0.205	0.201
		106	P2.5 STD (2.875 x .203)	0.199	0.202	0.209	0.202
		107	P2.5 STD (2.875 x .203)	0.199	0.200	0.214	0.200
		108	P2.5 STD (2.875 x .203)	0.206	0.200	0.199	0.199
		109	P2.5 STD (2.875 x .203)	0.201	0.201	0.200	0.199
		110	P2.5 STD (2.875 x .203)	0.206	0.203	0.198	0.203
		111	P2.5 STD (2.875 x .203)	0.213	0.203	0.216	0.199
		112	P2.5 STD (2.875 x .203)	0.201	0.199	0.198	0.202
		113	P2.5 STD (2.875 x .203)	0.200	0.201	0.200	0.202
		114	P2.5 STD (2.875 x .203)	0.209	0.202	0.200	0.201
		115	P2.5 STD (2.875 x .203)	0.199	0.203	0.201	0.199
		116	P2.5 STD (2.875 x .203)	0.201	0.206	0.198	0.202
		117	P2.5 STD (2.875 x .203)	0.197	0.198	0.198	0.198
		118	P2.5 STD (2.875 x .203)	0.206	0.201	0.201	0.199
		119	P2.5 STD (2.875 x .203)	0.203	0.199	0.198	0.204
		119.5	P2.5 STD (2.875 x .203)	0.196	0.193	0.201	0.208

Leg	Section (by height not per structural)	Height (feet)	Assumed Design Thickness	Q1	Q2	Q3	Q4
A	EXT	121	P2.5 STD (2.875 x .203)	0.220	0.212	0.212	0.214
		122	P2.5 STD (2.875 x .203)	0.215	0.217	0.211	0.218
		123	P2.5 STD (2.875 x .203)	0.210	0.213	0.220	0.215
C	EXT	121	P2.5 STD (2.875 x .203)	0.233	0.214	0.212	0.209
		122	P2.5 STD (2.875 x .203)	0.220	0.216	0.208	0.223
		123	P2.5 STD (2.875 x .203)	0.214	0.219	0.208	0.217