

**TABLE 2.10.6-126 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT END DROP (T= -20°F)
SECTION E**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	3868	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	3875	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
2	Inside	3943	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	3945	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	3947	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
3	Inside	4112	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	4111	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	4110	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
4	Inside	12507	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	12509	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	12511	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
5	Inside	12425	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	12432	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	12439	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
6	Inside	29635	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	29637	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	29639	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
7	Inside	21240	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	21239	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	21238	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
8	Inside	21071	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	21073	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	21075	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
9	Inside	20989	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	20996	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	21003	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18

TABLE 2.10.6-127 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT END DROP (T= -20°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	-1.09	-0.18	6.20	0.01	0.51	-0.04	6.24	-0.22	-1.09	7.33	Pm+Pb	50.00	5.82
	Middle	10029	-0.59	-0.14	5.35	0.00	0.63	-0.05	5.42	-0.21	-0.59	6.01	Pm	33.30	4.54
	Outside	10028	-0.21	-0.07	4.51	-0.03	0.84	-0.49	4.71	-0.18	-0.30	5.01	Pm+Pb	50.00	8.99
4	Inside	9981	-0.17	0.17	7.52	-0.07	0.73	-0.07	7.59	0.12	-0.18	7.77	Pm+Pb	50.00	5.43
	Middle	9983	-0.46	-0.14	5.97	0.21	0.21	-0.05	5.98	-0.04	-0.57	6.55	Pm	33.30	4.09
	Outside	9985	-0.75	-0.40	4.42	0.49	-0.09	0.10	4.42	-0.05	-1.10	5.52	Pm+Pb	50.00	8.05
5	Inside	1383	0.62	0.62	8.55	-0.21	0.45	0.45	8.60	0.83	0.35	8.24	Pm+Pb	50.00	5.07
	Middle	1390	0.18	0.18	6.53	-0.01	0.18	0.18	6.54	0.20	0.16	6.37	Pm	33.30	4.23
	Outside	1397	-0.15	-0.15	4.57	0.18	0.03	0.03	4.57	0.04	-0.33	4.90	Pm+Pb	50.00	9.20
6	Inside	1417	0.17	-0.17	7.52	-0.07	-0.07	0.73	7.59	0.12	-0.18	7.77	Pm+Pb	50.00	5.43
	Middle	1419	-0.14	-0.46	5.97	0.21	-0.05	0.21	5.98	-0.04	-0.57	6.55	Pm	33.30	4.09
	Outside	1421	-0.40	-0.75	4.42	0.49	0.10	-0.09	4.42	-0.05	-1.10	5.52	Pm+Pb	50.00	8.05
7	Inside	1466	-0.18	-1.09	6.20	0.00	0.00	0.51	6.24	-0.22	-1.09	7.33	Pm+Pb	50.00	5.82
	Middle	1465	-0.14	-0.59	5.35	0.00	0.00	0.63	5.42	-0.21	-0.59	6.01	Pm	33.30	4.54
	Outside	1464	-0.07	-0.21	4.51	0.00	0.00	0.84	4.66	-0.21	-0.22	4.88	Pm+Pb	50.00	9.25
8	Inside	18545	0.17	-0.17	7.52	0.07	0.07	0.73	7.59	0.12	-0.18	7.77	Pm+Pb	50.00	5.43
	Middle	18547	-0.14	-0.46	5.97	-0.21	0.05	0.21	5.98	-0.04	-0.57	6.55	Pm	33.30	4.09
	Outside	18549	-0.40	-0.75	4.42	-0.49	-0.10	-0.09	4.42	-0.05	-1.10	5.52	Pm+Pb	50.00	8.05
9	Inside	18511	0.62	0.62	8.55	0.21	-0.45	0.45	8.60	0.83	0.35	8.24	Pm+Pb	50.00	5.07
	Middle	18518	0.18	0.18	6.53	0.01	-0.18	0.18	6.54	0.20	0.16	6.37	Pm	33.30	4.23
	Outside	18525	-0.15	-0.15	4.57	-0.18	-0.03	0.03	4.57	0.04	-0.33	4.90	Pm+Pb	50.00	9.20
10	Inside	27109	-0.17	0.17	7.52	0.07	-0.73	-0.07	7.59	0.12	-0.18	7.77	Pm+Pb	50.00	5.43
	Middle	27111	-0.46	-0.14	5.97	-0.21	-0.21	-0.05	5.98	-0.04	-0.57	6.55	Pm	33.30	4.09
	Outside	27113	-0.75	-0.40	4.42	-0.49	0.09	0.10	4.42	-0.05	-1.10	5.52	Pm+Pb	50.00	8.05
11	Inside	27158	-1.09	-0.18	6.20	-0.01	-0.51	-0.04	6.24	-0.22	-1.09	7.33	Pm+Pb	50.00	5.82
	Middle	27157	-0.59	-0.14	5.35	0.00	-0.63	-0.05	5.42	-0.21	-0.59	6.01	Pm	33.30	4.54
	Outside	27156	-0.21	-0.07	4.51	0.03	-0.84	-0.49	4.71	-0.18	-0.30	5.01	Pm+Pb	50.00	8.99

TABLE 2.10.6-128 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT END DROP (T= -20°F)
SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	-0.68	-0.08	3.92	0.07	0.07	0.00	3.93	-0.07	-0.69	4.61	Pm+Pb	50.00	9.84
	Middle	11616	-0.13	-0.02	4.01	0.03	0.09	-0.05	4.01	-0.02	-0.14	4.15	Pm	33.30	7.02
	Outside	11615	0.10	-0.13	3.54	0.00	0.10	-0.09	3.55	0.10	-0.13	3.68	Pm+Pb	50.00	12.59
4	Inside	11529	-0.21	-0.07	4.15	0.14	0.04	-0.01	4.15	0.01	-0.29	4.44	Pm+Pb	50.00	10.25
	Middle	11531	-0.22	-0.10	4.01	0.12	0.07	-0.05	4.01	-0.03	-0.29	4.31	Pm	33.30	6.73
	Outside	11533	-0.04	0.05	4.19	0.12	0.12	-0.08	4.20	0.13	-0.13	4.33	Pm+Pb	50.00	10.56
5	Inside	2748	-0.30	-0.30	4.14	0.07	0.00	0.00	4.14	-0.23	-0.36	4.50	Pm+Pb	50.00	10.10
	Middle	2755	-0.25	-0.25	3.98	0.06	0.01	0.01	3.98	-0.19	-0.31	4.29	Pm	33.30	6.76
	Outside	2762	-0.07	-0.07	4.10	0.10	0.02	0.02	4.10	0.03	-0.17	4.27	Pm+Pb	50.00	10.72
6	Inside	2965	-0.07	-0.21	4.15	0.14	-0.01	0.04	4.15	0.01	-0.29	4.44	Pm+Pb	50.00	10.25
	Middle	2967	-0.10	-0.22	4.01	0.12	-0.05	0.07	4.01	-0.03	-0.29	4.31	Pm	33.30	6.73
	Outside	2969	0.05	-0.04	4.19	0.12	-0.08	0.12	4.20	0.13	-0.13	4.33	Pm+Pb	50.00	10.56
7	Inside	3053	-0.08	-0.68	3.92	0.00	0.00	0.07	3.93	-0.08	-0.68	4.61	Pm+Pb	50.00	9.86
	Middle	3052	-0.02	-0.13	4.01	0.00	0.00	0.09	4.01	-0.03	-0.13	4.14	Pm	33.30	7.04
	Outside	3051	-0.13	0.10	3.54	0.00	0.00	0.10	3.55	0.10	-0.13	3.68	Pm+Pb	50.00	12.60
8	Inside	20093	-0.07	-0.21	4.15	-0.14	0.01	0.04	4.15	0.01	-0.29	4.44	Pm+Pb	50.00	10.25
	Middle	20095	-0.10	-0.22	4.01	-0.12	0.05	0.07	4.01	-0.03	-0.29	4.31	Pm	33.30	6.73
	Outside	20097	0.05	-0.04	4.19	-0.12	0.08	0.12	4.20	0.13	-0.13	4.33	Pm+Pb	50.00	10.56
9	Inside	19876	-0.30	-0.30	4.14	-0.07	0.00	0.00	4.14	-0.23	-0.36	4.50	Pm+Pb	50.00	10.11
	Middle	19883	-0.25	-0.25	3.98	-0.06	-0.01	0.01	3.98	-0.19	-0.31	4.29	Pm	33.30	6.76
	Outside	19890	-0.07	-0.07	4.10	-0.10	-0.02	0.02	4.10	0.03	-0.17	4.27	Pm+Pb	50.00	10.72
10	Inside	28657	-0.21	-0.07	4.15	-0.14	-0.04	-0.01	4.15	0.01	-0.29	4.44	Pm+Pb	50.00	10.25
	Middle	28659	-0.22	-0.10	4.01	-0.12	-0.07	-0.05	4.01	-0.03	-0.29	4.31	Pm	33.30	6.73
	Outside	28661	-0.04	0.05	4.19	-0.12	-0.12	-0.08	4.20	0.13	-0.13	4.33	Pm+Pb	50.00	10.56
11	Inside	28745	-0.68	-0.08	3.92	-0.07	-0.07	0.00	3.93	-0.07	-0.69	4.61	Pm+Pb	50.00	9.84
	Middle	28744	-0.13	-0.02	4.01	-0.03	-0.09	-0.05	4.01	-0.02	-0.14	4.15	Pm	33.30	7.02
	Outside	28743	0.10	-0.13	3.54	0.00	-0.10	-0.09	3.55	0.10	-0.13	3.68	Pm+Pb	50.00	12.59

TABLE 2.10.6-129 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT END DROP (T= -20°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm+Pb	50.00	10.92
	Middle	11751	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm	33.30	6.94
	Outside	11750	0.00	0.00	4.19	0.00	0.00	0.00	4.19	0.00	0.00	4.20	Pm+Pb	50.00	10.92
4	Inside	11583	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm+Pb	50.00	10.92
	Middle	11585	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm	33.30	6.94
	Outside	11587	0.00	0.00	4.19	0.00	0.00	0.00	4.19	0.00	0.00	4.19	Pm+Pb	50.00	10.92
5	Inside	2937	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm+Pb	50.00	10.92
	Middle	2944	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm	33.30	6.94
	Outside	2951	0.00	0.00	4.19	0.00	0.00	0.00	4.19	0.00	0.00	4.19	Pm+Pb	50.00	10.92
6	Inside	3019	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm+Pb	50.00	10.92
	Middle	3021	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm	33.30	6.94
	Outside	3023	0.00	0.00	4.19	0.00	0.00	0.00	4.19	0.00	0.00	4.19	Pm+Pb	50.00	10.92
7	Inside	3188	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm+Pb	50.00	10.92
	Middle	3187	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm	33.30	6.94
	Outside	3186	0.00	0.00	4.19	0.00	0.00	0.00	4.19	0.00	0.00	4.20	Pm+Pb	50.00	10.92
8	Inside	20147	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm+Pb	50.00	10.92
	Middle	20149	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm	33.30	6.94
	Outside	20151	0.00	0.00	4.19	0.00	0.00	0.00	4.19	0.00	0.00	4.19	Pm+Pb	50.00	10.92
9	Inside	20065	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm+Pb	50.00	10.92
	Middle	20072	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm	33.30	6.94
	Outside	20079	0.00	0.00	4.19	0.00	0.00	0.00	4.19	0.00	0.00	4.19	Pm+Pb	50.00	10.92
10	Inside	28711	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm+Pb	50.00	10.92
	Middle	28713	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm	33.30	6.94
	Outside	28715	0.00	0.00	4.19	0.00	0.00	0.00	4.19	0.00	0.00	4.19	Pm+Pb	50.00	10.92
11	Inside	28880	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm+Pb	50.00	10.92
	Middle	28879	0.00	0.00	4.20	0.00	0.00	0.00	4.20	0.00	0.00	4.20	Pm	33.30	6.94
	Outside	28878	0.00	0.00	4.19	0.00	0.00	0.00	4.19	0.00	0.00	4.20	Pm+Pb	50.00	10.92

TABLE 2.10.6-130 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT END DROP (T= -20°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
	Middle	12213	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm	33.30	6.77
	Outside	12212	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.67
4	Inside	12045	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
	Middle	12047	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm	33.30	6.77
	Outside	12049	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.67
5	Inside	3399	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
	Middle	3406	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm	33.30	6.77
	Outside	3413	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
6	Inside	3481	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
	Middle	3483	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm	33.30	6.77
	Outside	3485	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.67
7	Inside	3650	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
	Middle	3649	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm	33.30	6.77
	Outside	3648	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.67
8	Inside	20609	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
	Middle	20611	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm	33.30	6.77
	Outside	20613	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.67
9	Inside	20527	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
	Middle	20534	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm	33.30	6.77
	Outside	20541	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
10	Inside	29173	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
	Middle	29175	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm	33.30	6.77
	Outside	29177	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.67
11	Inside	29342	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.66
	Middle	29341	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm	33.30	6.77
	Outside	29340	0.00	0.00	4.29	0.00	0.00	0.00	4.29	0.00	0.00	4.29	Pm+Pb	50.00	10.67

**TABLE 2.10.6-131 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT END DROP (T= -20°F)
SECTION E**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	12675	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	12674	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
4	Inside	12507	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	12509	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	12511	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
5	Inside	3861	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	3868	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	3875	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
6	Inside	3943	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	3945	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	3947	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
7	Inside	4112	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	4111	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	4110	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
8	Inside	21071	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	21073	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	21075	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
9	Inside	20989	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	20996	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	21003	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
10	Inside	29635	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	29637	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	29639	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
11	Inside	29804	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18
	Middle	29803	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm	33.30	6.44
	Outside	29802	0.00	0.00	4.47	0.00	0.00	0.00	4.47	0.00	0.00	4.47	Pm+Pb	50.00	10.18

TABLE 2.10.6-132 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	-0.22	1.18	4.82	0.35	0.73	-0.08	4.96	1.14	-0.31	5.28	Pm+Pb	50.00	8.47
	Middle	1390	1.86	0.55	4.38	0.08	0.54	0.17	4.46	1.85	0.47	3.99	Pm	33.30	7.34
	Outside	1397	4.11	0.09	4.10	0.03	0.50	0.39	4.53	3.75	0.02	4.50	Pm+Pb	50.00	10.11
2	Inside	1417	1.41	0.03	4.41	-0.21	-0.01	-0.21	4.42	1.43	0.00	4.43	Pm+Pb	50.00	10.29
	Middle	1419	0.66	-0.04	4.06	-0.11	-0.09	0.49	4.13	0.61	-0.05	4.18	Pm	33.30	6.96
	Outside	1421	-0.07	-0.07	3.59	-0.04	-0.15	1.04	3.87	-0.08	-0.34	4.21	Pm+Pb	50.00	10.87
3	Inside	1466	0.98	0.76	4.65	-0.80	-0.92	0.75	5.06	1.27	0.05	5.01	Pm+Pb	50.00	8.98
	Middle	1465	0.18	0.06	4.52	0.08	-0.97	0.82	4.86	0.21	-0.31	5.17	Pm	33.30	5.45
	Outside	1464	-0.47	-0.44	4.42	0.69	-1.03	0.92	4.74	0.23	-1.47	6.21	Pm+Pb	50.00	7.05
4	Inside	9981	0.05	0.67	5.31	-0.32	-2.26	0.19	6.24	0.15	-0.37	6.61	Pm+Pb	50.00	6.56
	Middle	9983	-0.04	-0.17	5.26	-0.15	-2.02	0.17	5.93	-0.03	-0.85	6.78	Pm	33.30	3.91
	Outside	9985	-0.05	-0.97	5.20	-0.01	-1.85	0.11	5.71	-0.05	-1.48	7.19	Pm+Pb	50.00	5.95
5	Inside	9947	0.01	-0.95	5.58	-0.24	-2.60	0.14	6.49	0.02	-1.88	8.37	Pm+Pb	50.00	4.97
	Middle	9954	-0.05	-0.17	6.12	-0.15	-2.61	0.14	7.06	-0.05	-1.12	8.18	Pm	33.30	3.07
	Outside	9961	-0.11	0.63	6.67	-0.06	-2.70	0.12	7.71	-0.11	-0.40	8.11	Pm+Pb	50.00	5.17
6	Inside	27109	-0.01	-1.57	6.79	-0.24	-2.23	0.02	7.34	0.02	-2.16	9.50	Pm+Pb	50.00	4.26
	Middle	27111	0.09	-1.08	6.91	-0.10	-1.66	0.02	7.25	0.10	-1.42	8.66	Pm	33.30	2.84
	Outside	27113	0.14	-0.69	7.13	-0.04	-1.24	-0.05	7.32	0.14	-0.88	8.20	Pm+Pb	50.00	5.10
7	Inside	18594	-2.22	-2.07	6.24	-1.74	-0.69	-0.26	6.29	-0.42	-3.93	10.22	Pm+Pb	50.00	3.89
	Middle	18593	-0.79	-0.76	6.22	0.08	-0.69	-0.34	6.30	-0.77	-0.86	7.16	Pm	33.30	3.65
	Outside	18592	0.24	-0.05	6.03	1.20	-0.68	-0.41	6.16	1.19	-1.13	7.29	Pm+Pb	50.00	5.86
8	Inside	18545	-3.48	-1.64	5.95	-0.87	0.02	1.32	6.13	-1.32	-3.98	10.12	Pm+Pb	50.00	3.94
	Middle	18547	-2.05	-0.72	5.47	-0.58	0.06	-0.55	5.51	-0.51	-2.30	7.81	Pm	33.30	3.27
	Outside	18549	-0.78	-0.13	4.88	-0.36	-0.18	-2.18	5.63	-0.02	-1.63	7.26	Pm+Pb	50.00	5.89
9	Inside	18511	0.80	0.83	9.13	-0.26	-0.09	-0.26	9.14	1.07	0.55	8.59	Pm+Pb	50.00	4.82
	Middle	18518	-3.46	0.87	5.34	0.34	0.23	-0.05	5.35	0.88	-3.49	8.84	Pm	33.30	2.77
	Outside	18525	-7.49	1.11	2.03	0.55	0.27	0.01	2.10	1.07	-7.52	9.63	Pm+Pb	50.00	4.19

TABLE 2.10.6-133 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-4.23	-0.49	0.17	-0.20	-0.08	0.15	0.19	-0.49	-4.25	4.43	Pm+Pb	50.00	10.27
	Middle	2755	0.29	-0.30	1.45	-0.19	-0.06	0.12	1.46	0.34	-0.35	1.82	Pm	33.30	17.35
	Outside	2762	4.69	-0.08	2.68	-0.21	-0.08	0.11	4.71	2.67	-0.09	4.80	Pm+Pb	50.00	9.42
2	Inside	2965	0.68	-0.02	1.93	-0.16	-0.04	1.02	2.51	0.18	-0.10	2.60	Pm+Pb	50.00	18.20
	Middle	2967	0.17	-0.05	1.38	-0.12	-0.08	1.16	2.09	-0.05	-0.54	2.63	Pm	33.30	11.67
	Outside	2969	-0.06	0.09	1.09	-0.05	-0.04	1.25	1.90	0.08	-0.86	2.76	Pm+Pb	50.00	17.14
3	Inside	3053	1.12	1.18	3.05	-1.05	-1.12	1.14	4.28	0.97	0.09	4.19	Pm+Pb	50.00	10.94
	Middle	3052	0.06	0.10	2.24	0.00	-1.42	1.45	3.46	0.08	-1.14	4.60	Pm	33.30	6.24
	Outside	3051	-0.71	-0.70	1.58	0.75	-1.74	1.75	2.96	0.05	-2.84	5.80	Pm+Pb	50.00	7.62
4	Inside	11529	0.01	1.44	3.72	-0.18	-1.93	0.10	4.83	0.37	-0.03	4.85	Pm+Pb	50.00	9.30
	Middle	11531	-0.09	0.08	3.48	-0.09	-2.85	0.08	5.10	-0.09	-1.54	6.65	Pm	33.30	4.01
	Outside	11533	-0.13	-1.06	3.31	0.01	-3.75	0.22	5.47	-0.14	-3.22	8.68	Pm+Pb	50.00	4.76
5	Inside	11312	0.01	0.11	5.09	0.01	-3.32	-0.13	6.75	0.01	-1.55	8.31	Pm+Pb	50.00	5.02
	Middle	11319	0.00	-0.01	5.87	0.01	-3.64	-0.13	7.60	-0.01	-1.74	9.35	Pm	33.30	2.56
	Outside	11326	-0.01	-0.12	6.63	0.02	-3.95	-0.11	8.45	-0.01	-1.94	10.39	Pm+Pb	50.00	3.81
6	Inside	28657	0.04	0.56	7.62	-0.02	-5.06	-0.31	10.27	0.04	-2.09	12.36	Pm+Pb	50.00	3.04
	Middle	28659	-0.07	-0.20	8.42	-0.05	-3.86	-0.27	9.90	-0.07	-1.69	11.59	Pm	33.30	1.87
	Outside	28661	-0.18	-0.78	9.25	-0.04	-2.73	-0.20	9.95	-0.17	-1.48	11.43	Pm+Pb	50.00	3.37
7	Inside	20181	-1.64	-1.36	7.45	-1.35	-4.53	-4.61	10.56	-0.15	-5.97	16.53	Pm+Pb	50.00	2.02
	Middle	20180	-0.26	0.00	8.64	-0.03	-2.27	-2.34	9.72	-0.08	-1.25	10.97	Pm	33.30	2.03
	Outside	20179	0.79	1.04	9.77	0.90	-0.53	-0.51	9.84	1.76	0.01	9.83	Pm+Pb	50.00	4.09
8	Inside	20093	-2.96	-0.23	8.27	-0.51	-0.42	-5.93	10.83	-0.15	-5.58	16.41	Pm+Pb	50.00	2.05
	Middle	20095	-0.60	0.06	8.26	-0.34	-0.41	-1.63	8.57	0.20	-1.04	9.61	Pm	33.30	2.47
	Outside	20097	1.05	-0.02	7.83	-0.10	0.04	2.43	8.61	0.31	-0.05	8.66	Pm+Pb	50.00	4.78
9	Inside	19876	1.88	-0.15	12.54	0.01	-0.89	-0.41	12.61	1.86	-0.21	12.83	Pm+Pb	50.00	2.90
	Middle	19883	-1.17	-0.15	8.29	0.03	-0.92	-0.09	8.39	-0.25	-1.17	9.56	Pm	33.30	2.48
	Outside	19890	-4.29	-0.27	3.85	-0.12	-0.78	0.13	3.99	-0.41	-4.30	8.29	Pm+Pb	50.00	5.03

**TABLE 2.10.6-134 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION C**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-3.73	-0.09	-3.72	-0.03	0.01	0.07	-0.09	-3.65	-3.79	3.71	Pm+Pb	50.00	12.49
	Middle	2944	-0.37	-0.06	-3.24	-0.02	0.01	0.08	-0.05	-0.37	-3.24	3.19	Pm	33.30	9.44
	Outside	2951	2.97	-0.02	-2.76	-0.02	0.01	0.09	2.97	-0.02	-2.76	5.73	Pm+Pb	50.00	7.72
2	Inside	3019	-3.79	-0.24	-4.01	0.17	-0.05	0.96	-0.24	-2.93	-4.87	4.64	Pm+Pb	50.00	9.78
	Middle	3021	-0.15	-0.17	-3.42	-0.03	-0.05	1.12	0.20	-0.17	-3.76	3.97	Pm	33.30	7.39
	Outside	3023	2.89	-0.10	-3.00	-0.18	-0.05	1.27	3.16	-0.11	-3.26	6.42	Pm+Pb	50.00	6.78
3	Inside	3188	-1.14	-0.69	-2.67	0.82	-1.10	1.09	-0.03	-0.65	-3.82	3.79	Pm+Pb	50.00	12.18
	Middle	3187	-0.19	0.15	-2.56	-0.05	-1.19	1.18	0.88	-0.10	-3.38	4.26	Pm	33.30	6.81
	Outside	3186	0.48	0.74	-2.60	-0.66	-1.29	1.28	2.00	-0.06	-3.32	5.32	Pm+Pb	50.00	8.40
4	Inside	11583	0.01	1.27	0.29	0.09	-1.87	0.10	2.71	0.02	-1.17	3.88	Pm+Pb	50.00	11.89
	Middle	11585	0.02	0.15	-0.17	0.14	-2.09	0.10	2.08	0.03	-2.12	4.20	Pm	33.30	6.93
	Outside	11587	0.02	-0.85	-0.59	0.17	-2.31	0.10	1.60	0.03	-3.05	4.65	Pm+Pb	50.00	9.75
5	Inside	11501	0.00	5.53	7.05	0.13	-2.32	-0.01	8.73	3.86	0.00	8.73	Pm+Pb	50.00	4.72
	Middle	11508	0.00	0.53	5.22	0.13	-2.41	-0.01	6.24	0.03	-0.51	6.75	Pm	33.30	3.93
	Outside	11515	0.00	-4.47	3.40	0.13	-2.50	-0.01	4.12	0.00	-5.20	9.33	Pm+Pb	50.00	4.36
6	Inside	28711	0.31	10.55	13.80	0.68	-2.49	-0.12	15.16	9.23	0.27	14.89	Pm+Pb	50.00	2.36
	Middle	28713	0.24	0.50	10.51	0.09	-1.97	-0.11	10.88	0.27	0.10	10.78	Pm	33.30	2.09
	Outside	28715	0.17	-7.83	7.71	-0.37	-1.51	-0.10	7.86	0.18	-7.99	15.85	Pm+Pb	50.00	2.15
7	Inside	20316	3.12	4.32	14.99	3.39	-1.60	-1.59	15.59	6.56	0.27	15.31	Pm+Pb	50.00	2.27
	Middle	20315	-0.19	0.74	13.34	0.01	-1.05	-1.04	13.50	0.65	-0.27	13.78	Pm	33.30	1.42
	Outside	20314	-2.50	-1.80	12.30	-2.36	-0.59	-0.58	12.34	0.24	-4.58	16.91	Pm+Pb	50.00	1.96
8	Inside	20147	-3.38	-0.20	12.55	0.51	-0.07	-1.54	12.69	-0.13	-3.60	16.30	Pm+Pb	50.00	2.07
	Middle	20149	0.41	-0.14	14.59	0.64	-0.07	-1.00	14.66	0.77	-0.58	15.24	Pm	33.30	1.18
	Outside	20151	3.84	-0.05	16.54	0.73	-0.06	-0.52	16.56	3.95	-0.18	16.74	Pm+Pb	50.00	1.99
9	Inside	20065	-13.54	-0.16	9.02	0.09	-0.01	-0.10	9.02	-0.16	-13.54	22.56	Pm+Pb	50.00	1.22
	Middle	20072	0.50	-0.12	14.36	0.09	-0.01	-0.08	14.36	0.51	-0.13	14.49	Pm	33.30	1.30
	Outside	20079	14.51	-0.09	19.67	0.08	-0.01	-0.05	19.67	14.51	-0.09	19.76	Pm+Pb	50.00	1.53

**TABLE 2.10.6-135 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-4.22	-0.08	-5.44	-0.03	0.00	0.05	-0.08	-4.22	-5.44	5.36	Pm+Pb	50.00	8.32
	Middle	3406	-0.42	-0.05	-4.91	-0.02	0.01	0.06	-0.05	-0.42	-4.91	4.86	Pm	33.30	5.85
	Outside	3413	3.37	-0.02	-4.40	-0.01	0.00	0.07	3.37	-0.02	-4.40	7.76	Pm+Pb	50.00	5.44
2	Inside	3481	-4.40	-0.32	-5.80	0.18	-0.04	0.67	-0.32	-4.14	-6.06	5.75	Pm+Pb	50.00	7.70
	Middle	3483	-0.14	-0.22	-5.13	-0.05	-0.04	0.77	-0.01	-0.23	-5.24	5.23	Pm	33.30	5.37
	Outside	3485	3.40	-0.12	-4.68	-0.23	-0.04	0.88	3.51	-0.14	-4.77	8.28	Pm+Pb	50.00	5.04
3	Inside	3650	-1.18	-0.64	-4.08	0.81	-0.80	0.79	-0.04	-1.33	-4.53	4.49	Pm+Pb	50.00	10.14
	Middle	3649	-0.21	0.20	-4.03	-0.07	-0.82	0.80	0.45	-0.15	-4.33	4.77	Pm	33.30	5.98
	Outside	3648	0.48	0.79	-4.14	-0.69	-0.85	0.83	1.58	-0.07	-4.39	5.97	Pm+Pb	50.00	7.37
4	Inside	12045	0.01	1.72	-0.60	0.07	-1.37	0.07	2.36	0.02	-1.24	3.59	Pm+Pb	50.00	12.91
	Middle	12047	0.03	0.20	-1.11	0.14	-1.41	0.07	1.11	0.03	-2.02	3.13	Pm	33.30	9.64
	Outside	12049	0.03	-1.14	-1.57	0.19	-1.47	0.07	0.20	-0.02	-2.85	3.05	Pm+Pb	50.00	15.40
5	Inside	11963	0.00	6.20	7.12	0.13	-1.59	0.00	8.31	5.01	0.00	8.32	Pm+Pb	50.00	5.01
	Middle	11970	0.00	0.62	5.32	0.13	-1.59	0.00	5.81	0.21	-0.08	5.89	Pm	33.30	4.65
	Outside	11977	0.00	-4.96	3.52	0.13	-1.60	0.00	3.82	0.00	-5.26	9.07	Pm+Pb	50.00	4.51
6	Inside	29173	0.33	11.08	15.02	0.69	-1.51	-0.07	15.54	10.61	0.29	15.25	Pm+Pb	50.00	2.28
	Middle	29175	0.25	0.52	11.73	0.08	-1.29	-0.07	11.88	0.41	0.22	11.66	Pm	33.30	1.85
	Outside	29177	0.17	-8.25	8.99	-0.40	-1.09	-0.06	9.06	0.19	-8.34	17.40	Pm+Pb	50.00	1.87
7	Inside	20778	3.10	4.37	16.40	3.40	-0.92	-0.91	16.58	7.02	0.27	16.31	Pm+Pb	50.00	2.07
	Middle	20777	-0.22	0.76	14.81	0.00	-0.69	-0.68	14.88	0.72	-0.26	15.13	Pm	33.30	1.20
	Outside	20776	-2.54	-1.80	13.84	-2.39	-0.51	-0.50	13.87	0.24	-4.61	18.49	Pm+Pb	50.00	1.70
8	Inside	20609	-3.87	-0.21	13.93	0.50	-0.04	-0.83	13.97	-0.15	-3.97	17.94	Pm+Pb	50.00	1.79
	Middle	20611	0.36	-0.15	16.01	0.64	-0.04	-0.64	16.03	0.77	-0.60	16.63	Pm	33.30	1.00
	Outside	20613	4.16	-0.06	17.97	0.76	-0.04	-0.48	17.99	4.28	-0.19	18.17	Pm+Pb	50.00	1.75
9	Inside	20527	-14.26	-0.16	10.58	0.09	0.00	-0.05	10.58	-0.16	-14.26	24.84	Pm+Pb	50.00	1.01
	Middle	20534	0.38	-0.12	15.83	0.09	0.00	-0.05	15.83	0.39	-0.14	15.97	Pm	33.30	1.09
	Outside	20541	15.01	-0.09	21.08	0.09	-0.01	-0.04	21.08	15.01	-0.09	21.17	Pm+Pb	50.00	1.36

**TABLE 2.10.6-136 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION E**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-4.74	-0.12	-6.93	-0.04	0.00	0.00	-0.12	-4.74	-6.93	6.81	Pm+Pb	50.00	6.35
	Middle	3868	-0.42	-0.08	-6.32	-0.03	0.00	0.00	-0.07	-0.42	-6.32	6.25	Pm	33.30	4.33
	Outside	3875	3.88	-0.03	-5.73	-0.02	0.00	0.00	3.88	-0.03	-5.73	9.61	Pm+Pb	50.00	4.20
2	Inside	3943	-4.68	-0.38	-7.20	0.17	0.00	0.00	-0.38	-4.68	-7.20	6.83	Pm+Pb	50.00	6.32
	Middle	3945	-0.13	-0.26	-6.53	-0.07	0.00	0.00	-0.09	-0.29	-6.53	6.44	Pm	33.30	4.17
	Outside	3947	3.67	-0.14	-6.09	-0.26	0.00	-0.01	3.68	-0.16	-6.09	9.78	Pm+Pb	50.00	4.11
3	Inside	4112	-1.08	-0.48	-5.14	0.70	0.00	0.00	-0.02	-1.54	-5.14	5.12	Pm+Pb	50.00	8.77
	Middle	4111	-0.22	0.24	-5.22	-0.07	0.00	0.00	0.25	-0.23	-5.22	5.46	Pm	33.30	5.10
	Outside	4110	0.39	0.73	-5.43	-0.61	0.00	0.00	1.19	-0.07	-5.43	6.63	Pm+Pb	50.00	6.54
4	Inside	12507	0.02	2.12	-1.26	0.05	0.00	0.00	2.13	0.02	-1.26	3.39	Pm+Pb	50.00	13.77
	Middle	12509	0.04	0.22	-1.86	0.14	0.00	0.00	0.29	-0.04	-1.86	2.15	Pm	33.30	14.51
	Outside	12511	0.04	-1.45	-2.38	0.21	0.00	0.00	0.07	-1.47	-2.38	2.45	Pm+Pb	50.00	19.42
5	Inside	12425	0.00	6.48	7.22	0.13	0.01	0.00	7.22	6.48	0.00	7.22	Pm+Pb	50.00	5.92
	Middle	12432	0.00	0.63	5.43	0.13	0.00	0.00	5.43	0.66	-0.03	5.46	Pm	33.30	5.10
	Outside	12439	0.00	-5.21	3.64	0.13	0.00	0.00	3.64	0.00	-5.22	8.86	Pm+Pb	50.00	4.65
6	Inside	29635	0.33	11.16	15.91	0.69	0.01	0.00	15.91	11.20	0.29	15.62	Pm+Pb	50.00	2.20
	Middle	29637	0.25	0.52	12.67	0.07	0.00	0.00	12.67	0.54	0.23	12.44	Pm	33.30	1.68
	Outside	29639	0.17	-8.32	9.98	-0.41	0.00	0.00	9.98	0.19	-8.34	18.32	Pm+Pb	50.00	1.73
7	Inside	21240	3.06	4.35	17.51	3.37	0.00	0.00	17.51	7.14	0.27	17.24	Pm+Pb	50.00	1.90
	Middle	21239	-0.23	0.76	16.00	0.00	0.00	0.00	16.00	0.76	-0.23	16.23	Pm	33.30	1.05
	Outside	21238	-2.52	-1.78	15.10	-2.36	0.00	0.00	15.10	0.24	-4.54	19.64	Pm+Pb	50.00	1.55
8	Inside	21071	-4.01	-0.22	15.08	0.49	0.00	0.00	15.08	-0.15	-4.07	19.15	Pm+Pb	50.00	1.61
	Middle	21073	0.37	-0.15	17.21	0.65	0.00	0.00	17.21	0.80	-0.59	17.80	Pm	33.30	0.87
	Outside	21075	4.30	-0.06	19.21	0.77	0.00	0.00	19.21	4.43	-0.19	19.41	Pm+Pb	50.00	1.58
9	Inside	20989	-14.46	-0.16	11.74	0.09	0.00	0.00	11.74	-0.16	-14.47	26.21	Pm+Pb	50.00	0.91
	Middle	20996	0.39	-0.12	17.02	0.09	0.00	0.00	17.02	0.40	-0.14	17.15	Pm	33.30	0.94
	Outside	21003	15.22	-0.09	22.28	0.09	0.00	0.00	22.28	15.22	-0.09	22.37	Pm+Pb	50.00	1.24

TABLE 2.10.6-137 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	2.18	0.19	2.93	-0.26	-0.02	0.19	2.98	2.17	0.15	2.83	Pm+Pb	50.00	16.68
	Middle	10029	-0.50	0.30	2.54	0.01	-0.02	0.16	2.55	0.30	-0.51	3.05	Pm	33.30	9.91
	Outside	10028	-2.59	0.24	1.91	0.21	0.01	0.16	1.91	0.26	-2.61	4.52	Pm+Pb	50.00	10.05
4	Inside	9981	1.16	0.68	3.59	-0.80	-0.64	0.89	4.09	1.24	0.09	4.01	Pm+Pb	50.00	11.47
	Middle	9983	0.04	-0.15	3.01	0.02	-0.78	0.88	3.41	-0.02	-0.49	3.90	Pm	33.30	7.54
	Outside	9985	-1.02	-0.90	2.21	0.83	-0.96	1.05	2.66	-0.13	-2.25	4.91	Pm+Pb	50.00	9.18
5	Inside	1383	0.24	-0.20	4.60	0.02	-1.07	1.21	5.12	0.08	-0.57	5.68	Pm+Pb	50.00	7.80
	Middle	1390	0.76	0.42	4.89	-0.63	-1.21	1.35	5.64	0.50	-0.07	5.71	Pm	33.30	4.83
	Outside	1397	1.27	1.04	5.14	-1.26	-1.37	1.51	6.23	1.33	-0.12	6.35	Pm+Pb	50.00	6.88
6	Inside	1417	-1.43	-1.34	4.96	-0.44	-1.39	1.34	5.54	-1.52	-1.83	7.37	Pm+Pb	50.00	5.78
	Middle	1419	-0.16	0.10	6.00	-0.98	-1.64	1.55	6.86	0.10	-1.02	7.88	Pm	33.30	3.22
	Outside	1421	0.79	1.23	6.89	-1.29	-1.96	1.78	8.10	1.11	-0.30	8.40	Pm+Pb	50.00	4.95
7	Inside	1466	0.05	-0.20	6.56	-0.18	-2.13	0.05	7.17	0.08	-0.85	8.02	Pm+Pb	50.00	5.23
	Middle	1465	0.09	0.56	6.29	-0.07	-1.87	0.00	6.85	0.13	-0.03	6.88	Pm	33.30	3.84
	Outside	1464	0.20	1.33	6.20	0.09	-1.70	-0.02	6.74	0.80	0.19	6.55	Pm+Pb	50.00	6.63
8	Inside	18545	-1.64	-1.83	6.90	-0.31	-1.34	-0.72	7.15	-1.42	-2.30	9.46	Pm+Pb	50.00	4.29
	Middle	18547	-0.39	-0.51	6.42	0.30	-1.20	-0.88	6.74	-0.44	-0.79	7.53	Pm	33.30	3.42
	Outside	18549	0.55	0.58	5.92	0.75	-1.26	-0.93	6.40	0.85	-0.20	6.60	Pm+Pb	50.00	6.57
9	Inside	18511	0.73	0.23	9.84	-0.26	-0.35	0.28	9.86	0.82	0.12	9.74	Pm+Pb	50.00	4.13
	Middle	18518	-0.55	-0.95	6.56	-1.34	-0.57	-0.45	6.62	0.61	-2.17	8.78	Pm	33.30	2.79
	Outside	18525	-1.60	-2.00	3.70	-2.42	-0.99	-1.02	3.94	0.62	-4.47	8.41	Pm+Pb	50.00	4.94
10	Inside	27109	-1.99	-0.26	7.42	-1.34	-1.76	-1.68	8.00	0.40	-3.23	11.22	Pm+Pb	50.00	3.46
	Middle	27111	-2.20	-0.95	5.55	-1.95	-0.15	-0.19	5.56	0.48	-3.63	9.19	Pm	33.30	2.63
	Outside	27113	-2.41	-1.34	3.86	-2.16	1.08	1.22	4.18	0.35	-4.42	8.60	Pm+Pb	50.00	4.81
11	Inside	27158	-6.14	-0.79	5.85	-0.86	-0.62	-0.28	5.92	-0.71	-6.29	12.20	Pm+Pb	50.00	3.10
	Middle	27157	-2.71	-1.65	4.99	-0.61	-0.46	0.01	5.03	-1.40	-3.00	8.02	Pm	33.30	3.15
	Outside	27156	-1.20	-2.32	3.63	-0.48	-0.35	0.27	3.67	-1.05	-2.51	6.18	Pm+Pb	50.00	7.09

**TABLE 2.10.6-138 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	2.10	0.10	0.55	-0.19	0.01	0.09	2.12	0.54	0.08	2.04	Pm+Pb	50.00	23.54
	Middle	11616	-0.05	0.08	-0.49	0.02	0.02	0.12	0.09	-0.03	-0.52	0.61	Pm	33.30	53.77
	Outside	11615	-1.60	0.05	-1.38	0.17	0.01	0.13	0.07	-1.33	-1.68	1.75	Pm+Pb	50.00	27.62
4	Inside	11529	0.87	0.60	0.83	-0.70	-0.30	0.38	1.72	0.56	0.02	1.70	Pm+Pb	50.00	28.40
	Middle	11531	0.04	-0.06	-0.02	-0.07	-0.60	0.63	0.89	-0.07	-0.85	1.74	Pm	33.30	18.11
	Outside	11533	-0.55	-0.47	-0.63	0.48	-0.80	0.97	0.47	-0.04	-2.08	2.55	Pm+Pb	50.00	18.61
5	Inside	2748	-0.74	-0.79	2.46	0.81	-0.74	0.76	2.72	0.04	-1.84	4.55	Pm+Pb	50.00	9.98
	Middle	2755	0.16	0.11	2.87	-0.11	-1.22	1.22	3.73	0.03	-0.61	4.34	Pm	33.30	6.67
	Outside	2762	1.08	1.04	3.32	-1.02	-1.70	1.68	5.17	0.23	0.04	5.13	Pm+Pb	50.00	8.75
6	Inside	2965	-0.02	0.27	5.39	-0.21	-2.32	1.96	6.82	-0.09	-1.08	7.90	Pm+Pb	50.00	5.33
	Middle	2967	-0.03	0.22	5.50	-0.16	-2.28	1.93	6.86	-0.07	-1.09	7.95	Pm	33.30	3.19
	Outside	2969	0.06	0.23	5.67	-0.14	-2.25	1.92	6.98	-0.01	-1.02	8.00	Pm+Pb	50.00	5.25
7	Inside	3053	0.04	1.04	6.69	-0.05	-4.46	-0.10	9.15	0.04	-1.42	10.57	Pm+Pb	50.00	3.73
	Middle	3052	0.03	0.22	6.66	-0.06	-3.45	-0.10	8.16	0.03	-1.29	9.45	Pm	33.30	2.52
	Outside	3051	0.00	-0.34	6.68	-0.07	-2.75	-0.10	7.63	0.01	-1.30	8.92	Pm+Pb	50.00	4.60
8	Inside	20093	-0.60	-0.78	6.75	-0.50	-3.63	-3.38	9.14	-0.18	-3.58	12.72	Pm+Pb	50.00	2.93
	Middle	20095	-0.01	-0.05	7.17	0.01	-2.67	-2.39	8.65	-0.04	-1.50	10.16	Pm	33.30	2.28
	Outside	20097	0.44	0.52	7.48	0.42	-1.66	-1.55	8.19	0.19	0.06	8.13	Pm+Pb	50.00	5.15
9	Inside	19876	0.31	-0.04	9.39	0.24	-3.29	-2.82	11.13	-0.05	-1.42	12.55	Pm+Pb	50.00	2.98
	Middle	19883	-0.31	-0.66	7.94	-0.40	-2.38	-1.97	8.91	-0.05	-1.89	10.80	Pm	33.30	2.08
	Outside	19890	-0.96	-1.26	6.53	-1.03	-1.43	-1.12	6.90	-0.07	-2.52	9.42	Pm+Pb	50.00	4.31
10	Inside	28657	-1.12	-0.33	8.21	-0.63	-0.72	-0.49	8.29	0.00	-1.53	9.82	Pm+Pb	50.00	4.09
	Middle	28659	-0.86	-0.19	8.71	-0.47	-1.65	-1.42	9.18	0.00	-1.51	10.70	Pm	33.30	2.11
	Outside	28661	-0.83	-0.48	8.91	-0.34	-2.35	-2.45	9.96	-0.30	-2.07	12.02	Pm+Pb	50.00	3.16
11	Inside	28745	-4.68	-0.22	7.01	-0.47	-0.11	-0.14	7.02	-0.18	-4.73	11.74	Pm+Pb	50.00	3.26
	Middle	28744	-0.61	-0.12	8.60	-0.05	-0.12	-0.34	8.62	-0.12	-0.63	9.25	Pm	33.30	2.60
	Outside	28743	2.38	0.12	10.20	0.33	-0.24	-0.39	10.23	2.41	0.07	10.15	Pm+Pb	50.00	3.92

TABLE 2.10.6-139 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	-2.71	-0.16	-5.27	0.25	0.03	0.04	-0.13	-2.74	-5.27	5.14	Pm+Pb	50.00	8.72
	Middle	11751	0.13	-0.12	-4.89	-0.03	0.02	0.07	0.13	-0.12	-4.89	5.02	Pm	33.30	5.63
	Outside	11750	2.12	-0.09	-4.75	-0.22	0.02	0.09	2.14	-0.11	-4.75	6.89	Pm+Pb	50.00	6.25
4	Inside	11583	-1.41	-1.08	-4.38	1.12	-0.10	0.16	-0.12	-2.36	-4.40	4.28	Pm+Pb	50.00	10.69
	Middle	11585	-0.05	0.01	-4.00	-0.06	-0.33	0.39	0.10	-0.09	-4.06	4.17	Pm	33.30	6.99
	Outside	11587	1.07	0.91	-3.74	-1.03	-0.55	0.61	2.14	-0.05	-3.85	5.99	Pm+Pb	50.00	7.34
5	Inside	2937	-0.69	-0.57	-0.67	0.47	-0.60	0.61	0.01	-0.17	-1.77	1.78	Pm+Pb	50.00	27.14
	Middle	2944	-0.11	0.02	-0.77	-0.06	-0.96	0.96	1.04	-0.11	-1.79	2.83	Pm	33.30	10.77
	Outside	2951	0.46	0.59	-0.88	-0.58	-1.32	1.31	2.22	-0.06	-1.99	4.22	Pm+Pb	50.00	10.86
6	Inside	3019	1.58	2.51	3.92	-2.14	-1.46	1.28	6.02	2.14	-0.15	6.17	Pm+Pb	50.00	7.10
	Middle	3021	-0.20	0.19	2.18	-0.04	-1.49	1.31	3.37	-0.05	-1.15	4.52	Pm	33.30	6.36
	Outside	3023	-1.66	-1.70	0.65	1.69	-1.54	1.37	1.52	0.00	-4.24	5.76	Pm+Pb	50.00	7.68
7	Inside	3188	0.37	6.74	6.68	-0.04	-2.59	-0.03	9.30	4.12	0.37	8.93	Pm+Pb	50.00	4.60
	Middle	3187	0.29	-0.01	4.50	-0.03	-2.18	-0.03	5.38	0.29	-0.90	6.28	Pm	33.30	4.30
	Outside	3186	0.22	-4.72	2.94	-0.03	-1.88	-0.02	3.38	0.22	-5.16	8.53	Pm+Pb	50.00	4.86
8	Inside	20147	1.03	1.89	7.59	1.42	-1.99	-1.84	8.83	1.72	-0.05	8.88	Pm+Pb	50.00	4.63
	Middle	20149	-0.14	0.36	7.14	0.07	-1.66	-1.52	7.81	0.11	-0.56	8.37	Pm	33.30	2.98
	Outside	20151	-1.06	-0.83	6.87	-1.01	-1.37	-1.24	7.24	0.06	-2.33	9.57	Pm+Pb	50.00	4.23
9	Inside	20065	-1.27	-1.22	10.17	-1.21	-1.63	-1.63	10.57	-0.03	-2.86	13.44	Pm+Pb	50.00	2.72
	Middle	20072	0.22	0.29	11.52	0.29	-1.32	-1.32	11.83	0.24	-0.03	11.86	Pm	33.30	1.81
	Outside	20079	1.70	1.80	12.86	1.78	-1.01	-1.01	13.07	3.31	-0.02	13.10	Pm+Pb	50.00	2.82
10	Inside	28711	0.15	-0.31	15.41	-0.03	-0.73	-0.76	15.48	0.12	-0.35	15.83	Pm+Pb	50.00	2.16
	Middle	28713	0.49	0.04	16.12	0.31	-0.54	-0.56	16.16	0.61	-0.12	16.28	Pm	33.30	1.05
	Outside	28715	0.82	0.38	16.82	0.62	-0.36	-0.37	16.83	1.24	-0.06	16.89	Pm+Pb	50.00	1.96
11	Inside	28880	1.43	-0.02	16.98	0.11	-0.04	-0.14	16.98	1.44	-0.02	17.01	Pm+Pb	50.00	1.94
	Middle	28879	0.54	0.00	17.45	0.02	-0.04	-0.10	17.45	0.54	0.00	17.45	Pm	33.30	0.91
	Outside	28878	-0.09	0.02	17.97	-0.04	-0.04	-0.06	17.97	0.03	-0.11	18.08	Pm+Pb	50.00	1.77

**TABLE 2.10.6-140 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-4.60	-0.26	-7.41	0.42	0.02	0.03	-0.22	-4.64	-7.41	7.18	Pm+Pb	50.00	5.96
	Middle	12213	0.19	-0.20	-6.48	-0.05	0.02	0.05	0.20	-0.21	-6.48	6.68	Pm	33.30	3.99
	Outside	12212	3.54	-0.15	-5.99	-0.38	0.01	0.07	3.58	-0.19	-5.99	9.57	Pm+Pb	50.00	4.22
4	Inside	12045	-2.17	-1.58	-6.19	1.73	-0.09	0.13	-0.12	-3.62	-6.20	6.08	Pm+Pb	50.00	7.23
	Middle	12047	-0.11	0.05	-5.48	-0.07	-0.24	0.29	0.10	-0.13	-5.50	5.61	Pm	33.30	4.94
	Outside	12049	1.59	1.40	-4.97	-1.56	-0.40	0.45	3.10	-0.07	-5.01	8.11	Pm+Pb	50.00	5.17
5	Inside	3399	-0.39	-0.24	-1.52	0.35	-0.45	0.43	0.05	-0.35	-1.85	1.90	Pm+Pb	50.00	25.38
	Middle	3406	-0.07	0.09	-1.85	0.00	-0.70	0.69	0.44	0.00	-2.27	2.71	Pm	33.30	11.30
	Outside	3413	0.26	0.42	-2.16	-0.34	-0.95	0.94	1.22	-0.01	-2.69	3.91	Pm+Pb	50.00	11.80
6	Inside	3481	2.01	3.10	3.58	-2.64	-1.01	0.89	5.99	2.84	-0.14	6.13	Pm+Pb	50.00	7.16
	Middle	3483	-0.22	0.21	1.46	-0.03	-1.03	0.91	2.31	-0.02	-0.83	3.14	Pm	33.30	9.60
	Outside	3485	-2.06	-2.15	-0.39	2.13	-1.07	0.95	0.13	-0.02	-4.70	4.83	Pm+Pb	50.00	9.34
7	Inside	3650	0.44	8.03	6.74	-0.04	-1.76	-0.02	9.26	5.51	0.44	8.82	Pm+Pb	50.00	4.67
	Middle	3649	0.34	-0.06	4.13	-0.03	-1.48	-0.02	4.60	0.35	-0.53	5.14	Pm	33.30	5.48
	Outside	3648	0.26	-5.70	2.26	-0.03	-1.28	-0.02	2.46	0.26	-5.90	8.36	Pm+Pb	50.00	4.98
8	Inside	20609	1.39	2.42	7.93	1.84	-1.33	-1.23	8.61	3.14	-0.02	8.63	Pm+Pb	50.00	4.79
	Middle	20611	-0.17	0.40	7.27	0.06	-1.10	-1.01	7.57	0.24	-0.32	7.89	Pm	33.30	3.22
	Outside	20613	-1.41	-1.20	6.83	-1.38	-0.90	-0.82	6.98	0.08	-2.84	9.82	Pm+Pb	50.00	4.09
9	Inside	20527	-1.32	-1.22	11.21	-1.24	-1.07	-1.07	11.38	-0.03	-2.68	14.06	Pm+Pb	50.00	2.56
	Middle	20534	0.19	0.32	12.62	0.28	-0.85	-0.85	12.74	0.42	-0.03	12.77	Pm	33.30	1.61
	Outside	20541	1.69	1.85	14.03	1.79	-0.63	-0.63	14.10	3.49	-0.02	14.13	Pm+Pb	50.00	2.54
10	Inside	29173	-0.44	-0.72	17.12	-0.50	-0.48	-0.50	17.14	-0.06	-1.13	18.27	Pm+Pb	50.00	1.74
	Middle	29175	0.46	0.05	18.19	0.32	-0.34	-0.35	18.21	0.62	-0.12	18.33	Pm	33.30	0.82
	Outside	29177	1.23	0.75	19.22	1.03	-0.22	-0.22	19.22	2.05	-0.07	19.29	Pm+Pb	50.00	1.59
11	Inside	29342	0.14	-0.09	18.80	-0.01	-0.03	-0.09	18.80	0.14	-0.09	18.89	Pm+Pb	50.00	1.65
	Middle	29341	0.58	-0.05	19.78	0.04	-0.03	-0.06	19.78	0.58	-0.05	19.83	Pm	33.30	0.68
	Outside	29340	0.87	-0.02	20.72	0.07	-0.03	-0.04	20.72	0.88	-0.02	20.74	Pm+Pb	50.00	1.41

**TABLE 2.10.6-141 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT SIDE DROP (T= -20°F)
SECTION E**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-6.14	-0.35	-9.30	0.55	0.00	0.00	-0.30	-6.19	-9.30	9.00	Pm+Pb	50.00	4.56
	Middle	12675	0.23	-0.27	-7.97	-0.07	0.00	0.00	0.24	-0.27	-7.97	8.20	Pm	33.30	3.06
	Outside	12674	4.69	-0.20	-7.21	-0.50	0.00	0.00	4.74	-0.25	-7.21	11.95	Pm+Pb	50.00	3.18
4	Inside	12507	-2.80	-1.99	-7.81	2.24	0.00	0.00	-0.12	-4.67	-7.81	7.68	Pm+Pb	50.00	5.51
	Middle	12509	-0.15	0.08	-6.83	-0.08	-0.01	0.01	0.11	-0.17	-6.83	6.94	Pm	33.30	3.80
	Outside	12511	2.01	1.81	-6.11	-1.98	-0.01	0.01	3.90	-0.08	-6.11	10.00	Pm+Pb	50.00	4.00
5	Inside	3861	-0.31	-0.13	-2.38	0.28	0.00	0.00	0.08	-0.51	-2.38	2.46	Pm+Pb	50.00	19.33
	Middle	3868	-0.08	0.10	-2.75	0.02	-0.01	0.01	0.11	-0.09	-2.75	2.86	Pm	33.30	10.65
	Outside	3875	0.15	0.34	-3.11	-0.24	-0.02	0.02	0.51	-0.02	-3.11	3.62	Pm+Pb	50.00	12.80
6	Inside	3943	2.39	3.65	3.42	-3.08	0.00	0.00	6.16	3.42	-0.12	6.28	Pm+Pb	50.00	6.96
	Middle	3945	-0.24	0.23	0.98	-0.01	-0.01	0.01	0.98	0.23	-0.24	1.22	Pm	33.30	26.31
	Outside	3947	-2.42	-2.55	-1.14	2.52	-0.01	0.01	0.04	-1.14	-5.01	5.04	Pm+Pb	50.00	8.91
7	Inside	4112	0.51	9.22	6.97	-0.04	0.00	0.00	9.22	6.97	0.51	8.71	Pm+Pb	50.00	4.74
	Middle	4111	0.40	-0.11	3.98	-0.04	0.00	0.00	3.98	0.40	-0.11	4.09	Pm	33.30	7.14
	Outside	4110	0.30	-6.62	1.84	-0.03	0.00	0.00	1.84	0.30	-6.62	8.45	Pm+Pb	50.00	4.92
8	Inside	21071	1.74	2.93	8.37	2.25	0.01	0.00	8.37	4.66	0.01	8.37	Pm+Pb	50.00	4.98
	Middle	21073	-0.19	0.43	7.50	0.04	0.01	0.01	7.50	0.43	-0.19	7.69	Pm	33.30	3.33
	Outside	21075	-1.74	-1.55	6.89	-1.74	0.01	0.01	6.89	0.10	-3.39	10.29	Pm+Pb	50.00	3.86
9	Inside	20989	-1.37	-1.21	12.05	-1.26	0.00	0.00	12.05	-0.03	-2.55	14.61	Pm+Pb	50.00	2.42
	Middle	20996	0.17	0.34	13.53	0.28	0.02	0.02	13.53	0.55	-0.04	13.57	Pm	33.30	1.45
	Outside	21003	1.70	1.90	15.01	1.82	0.03	0.03	15.01	3.62	-0.02	15.03	Pm+Pb	50.00	2.33
10	Inside	29635	-0.95	-1.09	18.39	-0.91	0.00	0.00	18.39	-0.11	-1.94	20.33	Pm+Pb	50.00	1.46
	Middle	29637	0.44	0.08	19.80	0.34	0.01	0.01	19.80	0.65	-0.13	19.93	Pm	33.30	0.67
	Outside	29639	1.62	1.09	21.10	1.42	0.01	0.01	21.10	2.80	-0.08	21.19	Pm+Pb	50.00	1.36
11	Inside	29804	-0.99	-0.15	20.14	-0.11	0.00	0.00	20.14	-0.14	-1.00	21.14	Pm+Pb	50.00	1.37
	Middle	29803	0.64	-0.10	21.57	0.05	0.00	0.00	21.57	0.64	-0.10	21.68	Pm	33.30	0.54
	Outside	29802	1.76	-0.05	22.85	0.16	0.00	0.00	22.85	1.78	-0.07	22.92	Pm+Pb	50.00	1.18

TABLE 2.10.6-142 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	0.56	0.69	2.29	0.23	0.71	-0.04	2.56	0.73	0.25	2.31	Pm+Pb	49.80	20.52
	Middle	1390	0.57	0.31	0.59	0.05	0.37	0.09	0.88	0.54	0.06	0.82	Pm	33.20	39.43
	Outside	1397	0.73	0.06	-0.98	0.03	0.21	0.52	0.88	0.08	-1.16	2.04	Pm+Pb	49.80	23.44
2	Inside	1417	0.42	-0.04	1.35	0.07	0.35	0.28	1.51	0.34	-0.12	1.63	Pm+Pb	49.80	29.64
	Middle	1419	-0.22	-0.08	0.10	0.10	0.07	0.24	0.26	-0.10	-0.36	0.62	Pm	33.20	52.65
	Outside	1421	-0.83	-0.08	-1.18	0.13	-0.03	0.20	-0.05	-0.76	-1.27	1.22	Pm+Pb	49.80	39.84
3	Inside	1466	-0.20	-0.25	0.38	0.13	0.05	0.39	0.59	-0.22	-0.44	1.02	Pm+Pb	49.80	47.73
	Middle	1465	-0.20	-0.22	-0.23	0.17	0.06	0.50	0.33	-0.26	-0.72	1.06	Pm	33.20	30.43
	Outside	1464	-0.19	-0.18	-0.83	0.21	0.11	0.65	0.33	-0.29	-1.24	1.56	Pm+Pb	49.80	30.86
4	Inside	9981	-0.04	0.20	1.43	0.03	-0.13	0.36	1.52	0.20	-0.13	1.66	Pm+Pb	49.80	29.01
	Middle	9983	-0.08	-0.36	0.41	0.06	-0.36	0.12	0.57	-0.07	-0.53	1.09	Pm	33.20	29.43
	Outside	9985	-0.07	-0.89	-0.60	0.11	-0.56	0.03	-0.05	-0.18	-1.33	1.28	Pm+Pb	49.80	37.87
5	Inside	9947	0.26	0.24	2.07	-0.04	-0.58	0.46	2.33	0.21	0.03	2.31	Pm+Pb	49.80	20.57
	Middle	9954	0.09	0.09	1.00	-0.03	-0.62	0.21	1.35	0.07	-0.25	1.59	Pm	33.20	19.87
	Outside	9961	-0.02	0.01	-0.04	-0.01	-0.69	0.07	0.67	-0.02	-0.70	1.38	Pm+Pb	49.80	35.12
6	Inside	27109	-0.05	-0.30	1.82	-0.16	-1.00	0.31	2.27	-0.10	-0.69	2.96	Pm+Pb	49.80	15.81
	Middle	27111	-0.04	-0.72	0.85	-0.12	-0.53	0.08	1.03	-0.04	-0.89	1.92	Pm	33.20	16.33
	Outside	27113	-0.01	-1.12	-0.09	-0.13	-0.16	-0.02	0.00	-0.07	-1.16	1.16	Pm+Pb	49.80	41.77
7	Inside	18594	-1.07	-1.01	0.71	-0.79	-0.47	0.14	0.89	-0.42	-1.85	2.74	Pm+Pb	49.80	17.20
	Middle	18593	-0.48	-0.48	0.13	-0.11	-0.47	0.23	0.45	-0.55	-0.73	1.19	Pm	33.20	27.00
	Outside	18592	-0.06	-0.15	-0.50	0.30	-0.52	0.35	0.23	0.14	-1.08	1.32	Pm+Pb	49.80	36.82
8	Inside	18545	-0.98	-0.43	1.56	-0.38	-0.30	0.80	1.86	-0.41	-1.30	3.17	Pm+Pb	49.80	14.72
	Middle	18547	-0.93	-0.21	0.30	-0.27	-0.05	-0.02	0.31	-0.12	-1.02	1.33	Pm	33.20	23.98
	Outside	18549	-0.86	-0.07	-0.99	-0.22	-0.06	-0.72	0.01	-0.26	-1.68	1.69	Pm+Pb	49.80	28.49
9	Inside	18511	0.78	0.46	3.14	-0.18	-0.39	-0.08	3.20	0.86	0.32	2.87	Pm+Pb	49.80	16.33
	Middle	18518	-0.87	0.36	0.67	0.08	-0.06	0.02	0.68	0.35	-0.88	1.56	Pm	33.20	20.30
	Outside	18525	-2.39	0.37	-1.62	0.16	0.08	0.39	0.39	-1.47	-2.56	2.94	Pm+Pb	49.80	15.92

**TABLE 2.10.6-143 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-1.35	-0.28	-2.12	-0.12	-0.02	0.05	-0.27	-1.36	-2.12	1.85	Pm+Pb	49.80	25.89
	Middle	2755	-0.16	-0.20	-1.89	-0.11	-0.01	0.05	-0.07	-0.29	-1.89	1.83	Pm	33.20	17.19
	Outside	2762	1.07	0.00	-1.50	-0.10	0.00	0.06	1.08	-0.01	-1.50	2.58	Pm+Pb	49.80	18.31
2	Inside	2965	-0.10	-0.01	-1.69	0.02	0.01	0.21	0.00	-0.08	-1.71	1.71	Pm+Pb	49.80	28.10
	Middle	2967	-0.15	-0.04	-1.90	0.02	0.00	0.29	-0.03	-0.11	-1.95	1.91	Pm	33.20	16.37
	Outside	2969	-0.03	0.12	-1.83	0.02	0.01	0.37	0.13	0.04	-1.90	2.03	Pm+Pb	49.80	23.57
3	Inside	3053	-0.04	-0.02	-1.57	0.00	-0.16	0.23	0.02	-0.03	-1.62	1.64	Pm+Pb	49.80	29.45
	Middle	3052	-0.04	-0.03	-1.68	0.03	-0.27	0.37	0.06	0.00	-1.80	1.86	Pm	33.20	16.87
	Outside	3051	-0.14	-0.14	-2.13	0.06	-0.40	0.50	-0.01	-0.08	-2.32	2.31	Pm+Pb	49.80	20.52
4	Inside	11529	0.00	0.10	-1.24	0.01	-0.31	0.04	0.17	0.00	-1.31	1.48	Pm+Pb	49.80	32.67
	Middle	11531	-0.05	-0.15	-1.37	0.02	-0.62	0.03	0.11	-0.05	-1.63	1.74	Pm	33.20	18.07
	Outside	11533	0.06	-0.25	-1.26	0.03	-0.92	0.07	0.30	0.07	-1.81	2.11	Pm+Pb	49.80	22.64
5	Inside	11312	-0.15	-0.08	-0.87	0.02	-0.78	-0.05	0.40	-0.15	-1.35	1.76	Pm+Pb	49.80	27.33
	Middle	11319	-0.13	-0.18	-0.81	0.02	-0.91	-0.04	0.47	-0.13	-1.46	1.93	Pm	33.20	16.17
	Outside	11326	0.01	-0.22	-0.57	0.02	-1.04	-0.02	0.66	0.01	-1.45	2.11	Pm+Pb	49.80	22.57
6	Inside	28657	0.02	0.59	-0.12	-0.01	-1.49	-0.09	1.77	0.02	-1.30	3.08	Pm+Pb	49.80	15.18
	Middle	28659	-0.08	-0.21	-0.18	-0.04	-1.11	-0.08	0.92	-0.07	-1.31	2.22	Pm	33.20	13.93
	Outside	28661	-0.04	-0.76	0.00	-0.06	-0.75	-0.02	0.46	-0.03	-1.22	1.68	Pm+Pb	49.80	28.67
7	Inside	20181	-0.59	-0.43	-0.43	-0.42	-1.47	-1.44	1.39	-0.09	-2.76	4.15	Pm+Pb	49.80	11.01
	Middle	20180	-0.14	0.01	-0.11	-0.03	-0.68	-0.63	0.82	-0.04	-1.03	1.85	Pm	33.20	16.96
	Outside	20179	0.11	0.23	-0.15	0.24	-0.06	0.04	0.42	-0.04	-0.19	0.60	Pm+Pb	49.80	81.42
8	Inside	20093	-1.32	-0.09	-0.24	-0.19	-0.15	-1.98	1.27	-0.07	-2.85	4.12	Pm+Pb	49.80	11.10
	Middle	20095	-0.33	-0.01	-0.20	-0.12	-0.15	-0.36	0.12	0.02	-0.68	0.80	Pm	33.20	40.55
	Outside	20097	0.53	0.10	-0.09	-0.03	0.01	1.16	1.42	0.10	-0.98	2.40	Pm+Pb	49.80	19.75
9	Inside	19876	-0.16	-0.23	0.86	0.08	-0.33	-0.14	0.97	-0.17	-0.34	1.31	Pm+Pb	49.80	37.00
	Middle	19883	-0.54	-0.19	-0.25	0.07	-0.35	0.00	0.13	-0.51	-0.60	0.73	Pm	33.20	44.22
	Outside	19890	-0.86	-0.05	-1.18	0.02	-0.31	0.11	0.03	-0.84	-1.29	1.32	Pm+Pb	49.80	36.78

**TABLE 2.10.6-144 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION C**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-0.89	0.00	-2.78	0.00	0.00	0.01	0.00	-0.89	-2.78	2.79	Pm+Pb	49.80	16.87
	Middle	2944	-0.13	0.00	-2.66	0.00	0.00	0.01	0.00	-0.13	-2.66	2.67	Pm	33.20	11.45
	Outside	2951	0.63	0.00	-2.54	0.00	0.00	0.01	0.63	0.00	-2.54	3.16	Pm+Pb	49.80	14.74
2	Inside	3019	-1.20	-0.06	-2.97	0.07	-0.01	0.16	-0.06	-1.19	-2.99	2.93	Pm+Pb	49.80	16.02
	Middle	3021	-0.06	-0.04	-2.73	0.00	-0.01	0.18	-0.04	-0.05	-2.74	2.70	Pm	33.20	11.30
	Outside	3023	0.89	-0.03	-2.54	-0.05	-0.01	0.21	0.91	-0.03	-2.55	3.46	Pm+Pb	49.80	13.39
3	Inside	3188	-0.47	-0.34	-2.72	0.36	-0.19	0.18	-0.04	-0.73	-2.75	2.72	Pm+Pb	49.80	17.34
	Middle	3187	-0.06	0.04	-2.58	-0.02	-0.19	0.19	0.06	-0.06	-2.61	2.68	Pm	33.20	11.41
	Outside	3186	0.23	0.30	-2.52	-0.29	-0.21	0.20	0.58	-0.03	-2.54	3.12	Pm+Pb	49.80	14.94
4	Inside	11583	0.00	0.20	-1.98	0.05	-0.33	0.02	0.25	-0.01	-2.03	2.28	Pm+Pb	49.80	20.81
	Middle	11585	0.00	0.05	-2.08	0.05	-0.34	0.02	0.12	-0.02	-2.14	2.25	Pm	33.20	13.76
	Outside	11587	0.00	-0.10	-2.18	0.05	-0.35	0.02	0.03	-0.07	-2.24	2.27	Pm+Pb	49.80	20.95
5	Inside	11501	0.00	1.74	-0.28	0.05	-0.39	0.00	1.82	0.00	-0.35	2.17	Pm+Pb	49.80	21.96
	Middle	11508	0.00	0.18	-0.88	0.05	-0.38	0.00	0.30	-0.01	-1.01	1.31	Pm	33.20	24.37
	Outside	11515	0.00	-1.39	-1.49	0.05	-0.36	0.00	0.00	-1.08	-1.81	1.81	Pm+Pb	49.80	26.51
6	Inside	28711	0.10	3.57	1.42	0.23	-0.33	-0.01	3.64	1.37	0.09	3.55	Pm+Pb	49.80	13.04
	Middle	28713	0.08	0.17	0.28	0.03	-0.29	-0.01	0.52	0.08	-0.07	0.59	Pm	33.20	55.41
	Outside	28715	0.06	-2.65	-0.68	-0.12	-0.25	-0.01	0.06	-0.65	-2.68	2.75	Pm+Pb	49.80	17.14
7	Inside	20316	1.09	1.49	1.61	1.18	-0.15	-0.14	2.53	1.56	0.10	2.43	Pm+Pb	49.80	19.45
	Middle	20315	-0.06	0.25	0.99	0.00	-0.14	-0.14	1.04	0.22	-0.08	1.12	Pm	33.20	28.77
	Outside	20314	-0.87	-0.63	0.58	-0.82	-0.14	-0.13	0.60	0.08	-1.60	2.20	Pm+Pb	49.80	21.64
8	Inside	20147	-1.07	-0.07	0.71	0.18	0.00	-0.08	0.71	-0.04	-1.11	1.82	Pm+Pb	49.80	26.41
	Middle	20149	0.14	-0.05	1.33	0.22	-0.01	-0.14	1.35	0.27	-0.19	1.54	Pm	33.20	20.52
	Outside	20151	1.24	-0.02	1.93	0.25	-0.01	-0.19	1.98	1.23	-0.06	2.04	Pm+Pb	49.80	23.36
9	Inside	20065	-4.52	-0.05	-0.50	0.03	0.01	-0.01	-0.05	-0.50	-4.52	4.46	Pm+Pb	49.80	10.16
	Middle	20072	0.17	-0.04	1.26	0.03	0.01	-0.01	1.26	0.18	-0.05	1.30	Pm	33.20	24.46
	Outside	20079	4.85	-0.03	3.01	0.03	0.01	-0.02	4.85	3.01	-0.03	4.88	Pm+Pb	49.80	9.20

**TABLE 2.10.6-145 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-0.95	0.01	-2.95	0.00	0.00	0.00	0.01	-0.95	-2.95	2.96	Pm+Pb	49.80	15.83
	Middle	3406	-0.13	0.01	-2.82	0.00	0.00	0.01	0.01	-0.13	-2.82	2.83	Pm	33.20	10.74
	Outside	3413	0.70	0.00	-2.69	0.00	0.00	0.01	0.70	0.00	-2.69	3.39	Pm+Pb	49.80	13.70
2	Inside	3481	-1.19	-0.08	-3.11	0.06	-0.01	0.08	-0.07	-1.19	-3.11	3.04	Pm+Pb	49.80	15.38
	Middle	3483	-0.05	-0.05	-2.89	0.00	-0.01	0.07	-0.05	-0.05	-2.89	2.84	Pm	33.20	10.68
	Outside	3485	0.90	-0.03	-2.72	-0.05	-0.01	0.06	0.90	-0.03	-2.72	3.63	Pm+Pb	49.80	12.73
3	Inside	3650	-0.39	-0.25	-2.78	0.29	-0.11	0.10	-0.03	-0.61	-2.79	2.76	Pm+Pb	49.80	17.05
	Middle	3649	-0.06	0.05	-2.69	-0.02	-0.07	0.07	0.05	-0.06	-2.70	2.75	Pm	33.20	11.08
	Outside	3648	0.18	0.26	-2.67	-0.24	-0.04	0.04	0.46	-0.02	-2.67	3.13	Pm+Pb	49.80	14.93
4	Inside	12045	0.00	0.33	-2.00	0.03	-0.18	0.01	0.35	0.00	-2.01	2.36	Pm+Pb	49.80	20.11
	Middle	12047	0.00	0.05	-2.11	0.04	-0.11	0.00	0.08	-0.02	-2.11	2.20	Pm	33.20	14.12
	Outside	12049	0.01	-0.20	-2.21	0.05	-0.05	0.00	0.02	-0.21	-2.21	2.23	Pm+Pb	49.80	21.36
5	Inside	11963	0.00	1.67	-0.28	0.04	-0.16	0.00	1.68	0.00	-0.29	1.98	Pm+Pb	49.80	24.21
	Middle	11970	0.00	0.17	-0.78	0.04	-0.11	0.00	0.19	-0.01	-0.79	0.99	Pm	33.20	32.65
	Outside	11977	0.00	-1.33	-1.28	0.04	-0.06	0.00	0.00	-1.24	-1.37	1.37	Pm+Pb	49.80	35.27
6	Inside	29173	0.09	3.14	1.49	0.20	0.00	0.01	3.16	1.49	0.08	3.08	Pm+Pb	49.80	15.18
	Middle	29175	0.07	0.15	0.55	0.03	-0.07	0.01	0.56	0.15	0.06	0.50	Pm	33.20	65.61
	Outside	29177	0.05	-2.34	-0.24	-0.11	-0.14	0.00	0.06	-0.23	-2.35	2.41	Pm+Pb	49.80	19.70
7	Inside	20778	0.90	1.26	1.71	0.98	0.08	0.09	2.12	1.68	0.08	2.04	Pm+Pb	49.80	23.43
	Middle	20777	-0.06	0.21	1.22	0.00	-0.04	-0.03	1.22	0.21	-0.06	1.28	Pm	33.20	24.90
	Outside	20776	-0.73	-0.52	0.90	-0.69	-0.14	-0.13	0.92	0.07	-1.34	2.26	Pm+Pb	49.80	21.00
8	Inside	20609	-1.05	-0.06	0.94	0.14	0.01	0.16	0.96	-0.04	-1.08	2.04	Pm+Pb	49.80	23.40
	Middle	20611	0.10	-0.04	1.48	0.18	0.00	-0.03	1.49	0.23	-0.17	1.65	Pm	33.20	19.10
	Outside	20613	1.14	-0.02	1.99	0.21	0.00	-0.21	2.04	1.13	-0.05	2.10	Pm+Pb	49.80	22.75
9	Inside	20527	-4.00	-0.05	-0.02	0.03	0.02	0.01	-0.01	-0.05	-4.00	3.99	Pm+Pb	49.80	11.47
	Middle	20534	0.11	-0.03	1.44	0.02	0.02	0.00	1.44	0.11	-0.04	1.48	Pm	33.20	21.49
	Outside	20541	4.21	-0.02	2.89	0.02	0.01	-0.02	4.21	2.89	-0.02	4.24	Pm+Pb	49.80	10.75

**TABLE 2.10.6-146 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION E**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-0.81	-0.02	-2.69	-0.01	0.00	-0.01	-0.02	-0.81	-2.69	2.67	Pm+Pb	49.80	17.65
	Middle	3868	-0.07	-0.01	-2.59	-0.01	0.00	-0.01	-0.01	-0.07	-2.59	2.57	Pm	33.20	11.91
	Outside	3875	0.67	-0.01	-2.48	0.00	0.00	-0.01	0.67	-0.01	-2.48	3.15	Pm+Pb	49.80	14.80
2	Inside	3943	-0.78	-0.06	-2.73	0.03	0.00	-0.06	-0.06	-0.78	-2.73	2.67	Pm+Pb	49.80	17.64
	Middle	3945	-0.02	-0.04	-2.62	-0.01	0.00	-0.11	-0.01	-0.05	-2.63	2.61	Pm	33.20	11.70
	Outside	3947	0.61	-0.02	-2.55	-0.04	0.00	-0.16	0.63	-0.03	-2.56	3.18	Pm+Pb	49.80	14.65
3	Inside	4112	-0.18	-0.08	-2.38	0.11	0.07	-0.07	0.00	-0.25	-2.39	2.39	Pm+Pb	49.80	19.88
	Middle	4111	-0.04	0.04	-2.40	-0.01	0.12	-0.12	0.05	-0.03	-2.41	2.46	Pm	33.20	12.49
	Outside	4110	0.06	0.12	-2.44	-0.10	0.17	-0.17	0.22	-0.01	-2.46	2.67	Pm+Pb	49.80	17.62
4	Inside	12507	0.00	0.37	-1.73	0.01	0.13	-0.01	0.37	0.00	-1.74	2.11	Pm+Pb	49.80	22.58
	Middle	12509	0.01	0.04	-1.83	0.02	0.22	-0.01	0.07	0.00	-1.86	1.93	Pm	33.20	16.21
	Outside	12511	0.01	-0.25	-1.92	0.04	0.31	-0.01	0.01	-0.20	-1.98	1.99	Pm+Pb	49.80	24.00
5	Inside	12425	0.00	1.09	-0.31	0.02	0.21	0.01	1.12	0.00	-0.34	1.46	Pm+Pb	49.80	33.02
	Middle	12432	0.00	0.11	-0.61	0.02	0.26	0.01	0.19	0.00	-0.70	0.89	Pm	33.20	36.28
	Outside	12439	0.00	-0.88	-0.91	0.02	0.31	0.01	0.00	-0.58	-1.20	1.21	Pm+Pb	49.80	40.32
6	Inside	29635	0.06	1.87	1.15	0.12	0.36	0.02	2.02	1.00	0.05	1.98	Pm+Pb	49.80	24.21
	Middle	29637	0.04	0.09	0.61	0.01	0.22	0.02	0.69	0.04	0.01	0.68	Pm	33.20	47.66
	Outside	29639	0.03	-1.39	0.16	-0.07	0.09	0.02	0.16	0.03	-1.40	1.56	Pm+Pb	49.80	30.87
7	Inside	21240	0.51	0.73	1.41	0.56	0.30	0.31	1.75	0.86	0.04	1.70	Pm+Pb	49.80	28.25
	Middle	21239	-0.04	0.13	1.16	0.00	0.12	0.12	1.19	0.12	-0.05	1.24	Pm	33.20	25.82
	Outside	21238	-0.42	-0.30	1.01	-0.39	-0.04	-0.04	1.01	0.04	-0.76	1.77	Pm+Pb	49.80	27.09
8	Inside	21071	-0.67	-0.04	1.01	0.08	0.02	0.36	1.09	-0.03	-0.76	1.84	Pm+Pb	49.80	26.04
	Middle	21073	0.06	-0.03	1.36	0.11	0.01	0.11	1.37	0.13	-0.10	1.48	Pm	33.20	21.50
	Outside	21075	0.72	-0.01	1.70	0.13	0.01	-0.12	1.71	0.73	-0.03	1.75	Pm+Pb	49.80	27.51
9	Inside	20989	-2.42	-0.03	0.45	0.02	0.02	0.02	0.45	-0.03	-2.42	2.87	Pm+Pb	49.80	16.34
	Middle	20996	0.06	-0.02	1.33	0.01	0.02	0.01	1.33	0.07	-0.02	1.36	Pm	33.20	23.50
	Outside	21003	2.55	-0.01	2.21	0.01	0.02	-0.01	2.55	2.21	-0.01	2.56	Pm+Pb	49.80	18.44

TABLE 2.10.6-147 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	-0.23	-0.07	-0.09	-0.06	0.34	0.02	0.26	-0.22	-0.43	0.69	Pm+Pb	49.80	70.75
	Middle	10029	-0.55	-0.01	-0.76	0.00	0.42	0.00	0.18	-0.55	-0.95	1.12	Pm	33.20	28.53
	Outside	10028	-0.82	0.03	-1.48	0.03	0.57	-0.29	0.22	-0.74	-1.76	1.98	Pm+Pb	49.80	24.20
4	Inside	9981	0.18	0.30	1.05	-0.26	0.36	0.18	1.20	0.47	-0.14	1.34	Pm+Pb	49.80	36.21
	Middle	9983	-0.34	-0.15	-0.19	0.17	-0.04	0.18	-0.01	-0.13	-0.53	0.52	Pm	33.20	62.80
	Outside	9985	-0.83	-0.53	-1.49	0.59	-0.30	0.32	-0.07	-0.94	-1.84	1.77	Pm+Pb	49.80	27.21
5	Inside	1383	0.49	0.39	1.98	-0.14	0.12	0.56	2.17	0.52	0.17	2.00	Pm+Pb	49.80	23.91
	Middle	1390	0.32	0.23	0.66	-0.16	-0.12	0.42	0.99	0.21	0.00	0.99	Pm	33.20	32.60
	Outside	1397	0.21	0.15	-0.64	-0.19	-0.28	0.38	0.56	-0.01	-0.82	1.38	Pm+Pb	49.80	35.05
6	Inside	1417	-0.33	-0.49	1.38	-0.20	-0.34	0.79	1.76	-0.52	-0.66	2.42	Pm+Pb	49.80	19.58
	Middle	1419	-0.17	-0.30	0.61	-0.14	-0.41	0.51	1.01	-0.38	-0.49	1.49	Pm	33.20	21.26
	Outside	1421	-0.07	-0.19	-0.19	-0.01	-0.42	0.38	0.41	-0.14	-0.72	1.13	Pm+Pb	49.80	42.91
7	Inside	1466	-0.10	-0.70	0.92	-0.05	-0.53	0.35	1.18	-0.19	-0.86	2.04	Pm+Pb	49.80	23.47
	Middle	1465	-0.06	-0.20	0.27	-0.01	-0.45	0.42	0.72	-0.13	-0.58	1.29	Pm	33.20	24.67
	Outside	1464	0.03	0.24	-0.31	0.03	-0.39	0.55	0.59	0.19	-0.82	1.42	Pm+Pb	49.80	34.19
8	Inside	18545	-0.41	-0.67	1.85	-0.05	-0.30	0.33	1.93	-0.45	-0.71	2.64	Pm+Pb	49.80	17.83
	Middle	18547	-0.21	-0.43	0.74	-0.02	-0.28	-0.07	0.81	-0.20	-0.50	1.31	Pm	33.20	24.42
	Outside	18549	-0.06	-0.25	-0.37	-0.04	-0.40	-0.29	0.22	-0.10	-0.80	1.01	Pm+Pb	49.80	48.08
9	Inside	18511	0.57	0.39	3.13	0.08	-0.27	0.39	3.22	0.58	0.30	2.92	Pm+Pb	49.80	16.08
	Middle	18518	-0.01	-0.15	1.04	-0.33	-0.23	-0.02	1.08	0.24	-0.44	1.52	Pm	33.20	20.83
	Outside	18525	-0.47	-0.60	-0.93	-0.73	-0.31	-0.33	0.20	-0.61	-1.58	1.77	Pm+Pb	49.80	27.07
10	Inside	27109	-0.60	0.06	1.88	-0.30	-0.99	-0.56	2.36	0.01	-1.03	3.40	Pm+Pb	49.80	13.67
	Middle	27111	-0.93	-0.40	0.31	-0.73	-0.14	-0.07	0.35	0.09	-1.45	1.80	Pm	33.20	17.48
	Outside	27113	-1.23	-0.70	-1.20	-1.01	0.44	0.48	0.08	-0.84	-2.37	2.44	Pm+Pb	49.80	19.38
11	Inside	27158	-2.39	-0.39	0.54	-0.26	-0.51	-0.11	0.77	-0.57	-2.43	3.20	Pm+Pb	49.80	14.57
	Middle	27157	-1.19	-0.63	-0.31	-0.19	-0.55	-0.03	0.11	-0.93	-1.30	1.41	Pm	33.20	22.50
	Outside	27156	-0.63	-0.80	-1.31	-0.15	-0.66	-0.23	-0.34	-0.57	-1.83	1.48	Pm+Pb	49.80	32.57

TABLE 2.10.6-148 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	0.09	-0.03	-2.13	0.00	0.05	0.02	0.09	-0.02	-2.13	2.23	Pm+Pb	49.80	21.34
	Middle	11616	-0.11	0.01	-2.35	0.03	0.06	-0.01	0.01	-0.12	-2.35	2.37	Pm	33.20	13.03
	Outside	11615	-0.37	-0.07	-2.89	0.05	0.07	-0.03	-0.06	-0.37	-2.89	2.83	Pm+Pb	49.80	16.60
4	Inside	11529	0.10	0.13	-1.92	-0.10	-0.03	0.06	0.22	0.01	-1.93	2.15	Pm+Pb	49.80	22.20
	Middle	11531	-0.14	-0.08	-2.25	0.06	-0.09	0.11	-0.04	-0.17	-2.26	2.22	Pm	33.20	13.96
	Outside	11533	-0.19	-0.09	-2.30	0.22	-0.11	0.19	0.08	-0.34	-2.32	2.40	Pm+Pb	49.80	19.71
5	Inside	2748	-0.42	-0.44	-1.58	0.27	-0.09	0.10	-0.16	-0.68	-1.60	1.44	Pm+Pb	49.80	33.66
	Middle	2755	-0.13	-0.14	-1.56	0.00	-0.23	0.24	-0.06	-0.13	-1.63	1.57	Pm	33.20	20.11
	Outside	2762	0.27	0.26	-1.35	-0.23	-0.36	0.38	0.63	0.03	-1.49	2.12	Pm+Pb	49.80	22.52
6	Inside	2965	0.01	0.03	-0.78	-0.05	-0.53	0.46	0.47	-0.03	-1.18	1.65	Pm+Pb	49.80	29.27
	Middle	2967	-0.08	-0.08	-0.89	0.02	-0.55	0.48	0.34	-0.06	-1.33	1.67	Pm	33.20	18.92
	Outside	2969	-0.01	-0.03	-0.78	0.09	-0.56	0.51	0.39	0.07	-1.27	1.66	Pm+Pb	49.80	28.96
7	Inside	3053	-0.03	0.00	-0.59	-0.03	-1.14	0.01	0.88	-0.03	-1.47	2.36	Pm+Pb	49.80	20.14
	Middle	3052	0.00	-0.01	-0.59	-0.03	-0.84	0.03	0.59	0.00	-1.19	1.79	Pm	33.20	17.58
	Outside	3051	-0.08	-0.10	-0.94	-0.03	-0.64	0.03	0.25	-0.09	-1.28	1.53	Pm+Pb	49.80	31.64
8	Inside	20093	-0.29	-0.45	-0.53	-0.33	-0.99	-0.91	0.73	-0.03	-1.97	2.70	Pm+Pb	49.80	17.44
	Middle	20095	-0.06	-0.14	-0.46	-0.08	-0.65	-0.56	0.55	-0.02	-1.19	1.75	Pm	33.20	18.01
	Outside	20097	0.26	0.24	-0.21	0.12	-0.30	-0.27	0.57	0.13	-0.41	0.99	Pm+Pb	49.80	49.53
9	Inside	19876	-0.13	-0.26	0.21	-0.01	-0.95	-0.79	1.25	-0.17	-1.27	2.51	Pm+Pb	49.80	18.81
	Middle	19883	-0.23	-0.36	-0.30	-0.15	-0.69	-0.52	0.49	-0.14	-1.24	1.73	Pm	33.20	18.19
	Outside	19890	-0.26	-0.37	-0.62	-0.31	-0.40	-0.25	0.01	-0.16	-1.09	1.11	Pm+Pb	49.80	44.06
10	Inside	28657	-0.37	-0.09	-0.14	-0.20	-0.20	-0.10	0.10	-0.14	-0.56	0.66	Pm+Pb	49.80	74.69
	Middle	28659	-0.39	-0.13	-0.11	-0.20	-0.56	-0.47	0.49	-0.09	-1.03	1.52	Pm	33.20	20.79
	Outside	28661	-0.33	-0.17	0.03	-0.22	-0.85	-0.85	1.01	-0.04	-1.45	2.46	Pm+Pb	49.80	19.27
11	Inside	28745	-1.61	-0.12	-0.64	-0.17	-0.07	-0.03	-0.09	-0.65	-1.63	1.54	Pm+Pb	49.80	31.36
	Middle	28744	-0.24	-0.05	-0.16	-0.04	-0.09	-0.14	0.01	-0.09	-0.37	0.38	Pm	33.20	85.29
	Outside	28743	0.65	-0.03	-0.01	0.09	-0.14	-0.18	0.72	0.06	-0.17	0.89	Pm+Pb	49.80	54.93

**TABLE 2.10.6-149 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION C**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	-0.61	-0.04	-3.02	0.06	0.01	0.00	-0.03	-0.62	-3.02	2.99	Pm+Pb	49.80	15.67
	Middle	11751	0.03	-0.03	-2.91	-0.01	0.01	0.01	0.03	-0.03	-2.91	2.94	Pm	33.20	10.29
	Outside	11750	0.48	-0.02	-2.86	-0.05	0.01	0.01	0.48	-0.02	-2.86	3.35	Pm+Pb	49.80	13.88
4	Inside	11583	-0.33	-0.25	-2.85	0.26	0.01	0.00	-0.03	-0.55	-2.85	2.82	Pm+Pb	49.80	16.68
	Middle	11585	-0.01	0.00	-2.75	-0.01	-0.04	0.05	0.01	-0.02	-2.75	2.76	Pm	33.20	11.04
	Outside	11587	0.25	0.21	-2.67	-0.24	-0.09	0.10	0.48	-0.01	-2.68	3.16	Pm+Pb	49.80	14.78
5	Inside	2937	-0.23	-0.19	-2.16	0.13	-0.07	0.07	-0.07	-0.34	-2.17	2.09	Pm+Pb	49.80	22.78
	Middle	2944	-0.04	0.00	-2.16	-0.03	-0.13	0.13	0.03	-0.05	-2.17	2.20	Pm	33.20	14.08
	Outside	2951	0.14	0.18	-2.16	-0.18	-0.20	0.19	0.37	-0.03	-2.19	2.56	Pm+Pb	49.80	18.45
6	Inside	3019	0.43	0.70	-1.18	-0.61	-0.20	0.18	1.22	-0.05	-1.21	2.43	Pm+Pb	49.80	19.53
	Middle	3021	-0.06	0.06	-1.66	-0.02	-0.21	0.19	0.10	-0.05	-1.70	1.80	Pm	33.20	17.45
	Outside	3023	-0.46	-0.47	-2.07	0.47	-0.23	0.20	0.00	-0.86	-2.15	2.15	Pm+Pb	49.80	22.15
7	Inside	3188	0.10	1.90	-0.55	-0.02	-0.36	0.00	1.95	0.10	-0.60	2.55	Pm+Pb	49.80	18.50
	Middle	3187	0.08	0.01	-1.17	-0.01	-0.32	0.00	0.10	0.07	-1.26	1.36	Pm	33.20	23.43
	Outside	3186	0.06	-1.30	-1.63	-0.01	-0.30	0.00	0.06	-1.13	-1.80	1.87	Pm+Pb	49.80	25.68
8	Inside	20147	0.21	0.45	-0.45	0.33	-0.29	-0.27	0.80	-0.02	-0.58	1.38	Pm+Pb	49.80	35.21
	Middle	20149	-0.04	0.12	-0.55	0.03	-0.26	-0.24	0.25	-0.02	-0.71	0.96	Pm	33.20	33.64
	Outside	20151	-0.24	-0.14	-0.61	-0.20	-0.23	-0.21	0.03	-0.18	-0.83	0.85	Pm+Pb	49.80	57.28
9	Inside	20065	-0.43	-0.43	0.13	-0.42	-0.28	-0.29	0.27	-0.01	-0.99	1.26	Pm+Pb	49.80	38.40
	Middle	20072	0.08	0.09	0.55	0.10	-0.21	-0.22	0.72	0.01	-0.01	0.73	Pm	33.20	44.40
	Outside	20079	0.60	0.61	0.97	0.61	-0.15	-0.15	1.33	0.85	-0.01	1.34	Pm+Pb	49.80	36.14
10	Inside	28711	0.23	0.02	1.61	0.13	-0.15	-0.16	1.65	0.26	-0.05	1.69	Pm+Pb	49.80	28.39
	Middle	28713	0.17	0.01	1.73	0.10	-0.09	-0.09	1.74	0.21	-0.04	1.77	Pm	33.20	17.70
	Outside	28715	0.15	0.01	1.85	0.08	-0.03	-0.03	1.85	0.18	-0.03	1.88	Pm+Pb	49.80	25.54
11	Inside	28880	0.88	0.02	2.09	0.07	-0.01	-0.03	2.09	0.89	0.01	2.08	Pm+Pb	49.80	22.92
	Middle	28879	0.16	0.02	2.07	0.00	-0.01	-0.02	2.07	0.16	0.02	2.05	Pm	33.20	15.16
	Outside	28878	-0.34	0.02	2.11	-0.05	-0.01	0.00	2.11	0.03	-0.35	2.46	Pm+Pb	49.80	19.24

**TABLE 2.10.6-150 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-0.97	-0.06	-3.23	0.09	0.00	0.00	-0.05	-0.98	-3.23	3.18	Pm+Pb	49.80	14.65
	Middle	12213	0.04	-0.04	-3.02	-0.01	0.00	0.00	0.04	-0.04	-3.02	3.06	Pm	33.20	9.86
	Outside	12212	0.74	-0.03	-2.90	-0.08	0.00	0.01	0.75	-0.04	-2.90	3.65	Pm+Pb	49.80	12.65
4	Inside	12045	-0.47	-0.34	-3.01	0.37	0.00	0.00	-0.03	-0.78	-3.01	2.98	Pm+Pb	49.80	15.73
	Middle	12047	-0.02	0.01	-2.84	-0.02	-0.02	0.03	0.02	-0.03	-2.84	2.86	Pm	33.20	10.62
	Outside	12049	0.34	0.30	-2.72	-0.33	-0.04	0.05	0.65	-0.01	-2.72	3.37	Pm+Pb	49.80	13.76
5	Inside	3399	-0.13	-0.09	-2.16	0.09	-0.03	0.03	-0.02	-0.20	-2.17	2.15	Pm+Pb	49.80	22.20
	Middle	3406	-0.03	0.01	-2.21	-0.01	-0.06	0.06	0.02	-0.03	-2.22	2.23	Pm	33.20	13.86
	Outside	3413	0.07	0.11	-2.27	-0.10	-0.09	0.08	0.21	-0.01	-2.27	2.48	Pm+Pb	49.80	19.11
6	Inside	3481	0.47	0.74	-1.17	-0.63	-0.07	0.07	1.25	-0.04	-1.17	2.43	Pm+Pb	49.80	19.52
	Middle	3483	-0.05	0.05	-1.67	-0.01	-0.08	0.07	0.06	-0.05	-1.68	1.74	Pm	33.20	18.12
	Outside	3485	-0.49	-0.51	-2.11	0.50	-0.08	0.07	0.00	-0.99	-2.12	2.12	Pm+Pb	49.80	22.44
7	Inside	3650	0.11	1.92	-0.52	-0.01	-0.10	0.00	1.93	0.11	-0.53	2.45	Pm+Pb	49.80	19.30
	Middle	3649	0.08	-0.01	-1.16	-0.01	-0.11	0.00	0.08	0.00	-1.17	1.25	Pm	33.20	25.49
	Outside	3648	0.06	-1.35	-1.62	-0.01	-0.11	0.00	0.06	-1.31	-1.66	1.72	Pm+Pb	49.80	27.90
8	Inside	20609	0.28	0.53	-0.33	0.39	-0.07	-0.07	0.83	-0.01	-0.34	1.17	Pm+Pb	49.80	41.66
	Middle	20611	-0.04	0.10	-0.48	0.02	-0.08	-0.07	0.12	-0.04	-0.50	0.62	Pm	33.20	52.39
	Outside	20613	-0.30	-0.23	-0.59	-0.28	-0.08	-0.07	0.02	-0.45	-0.68	0.69	Pm+Pb	49.80	70.71
9	Inside	20527	-0.37	-0.36	0.37	-0.35	-0.09	-0.09	0.38	-0.01	-0.73	1.11	Pm+Pb	49.80	43.78
	Middle	20534	0.06	0.08	0.73	0.08	-0.05	-0.06	0.74	0.14	-0.01	0.75	Pm	33.20	43.25
	Outside	20541	0.49	0.52	1.10	0.51	-0.02	-0.02	1.11	1.00	-0.01	1.11	Pm+Pb	49.80	43.72
10	Inside	29173	0.03	-0.10	1.81	-0.02	-0.06	-0.07	1.81	0.03	-0.10	1.91	Pm+Pb	49.80	25.01
	Middle	29175	0.14	0.01	2.01	0.09	-0.02	-0.02	2.01	0.18	-0.03	2.04	Pm	33.20	15.24
	Outside	29177	0.24	0.11	2.21	0.18	0.02	0.02	2.21	0.37	-0.02	2.23	Pm+Pb	49.80	21.38
11	Inside	29342	0.38	-0.01	2.25	0.03	0.00	-0.01	2.25	0.39	-0.01	2.26	Pm+Pb	49.80	21.08
	Middle	29341	0.15	0.00	2.38	0.01	-0.01	0.00	2.38	0.15	0.00	2.38	Pm	33.20	12.94
	Outside	29340	-0.02	0.01	2.53	-0.01	-0.01	0.00	2.53	0.01	-0.02	2.55	Pm+Pb	49.80	18.50

TABLE 2.10.6-151 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 1 FT DROP AT 78 DEGREES (T= 200°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-1.02	-0.06	-3.07	0.09	0.00	0.00	-0.05	-1.03	-3.07	3.02	Pm+Pb	49.80	15.48
	Middle	12675	0.04	-0.04	-2.85	-0.01	0.00	-0.01	0.04	-0.05	-2.85	2.89	Pm	33.20	10.50
	Outside	12674	0.78	-0.03	-2.72	-0.08	0.00	-0.01	0.79	-0.04	-2.72	3.51	Pm+Pb	49.80	13.19
4	Inside	12507	-0.46	-0.33	-2.82	0.37	0.01	-0.01	-0.02	-0.77	-2.82	2.80	Pm+Pb	49.80	16.76
	Middle	12509	-0.03	0.01	-2.66	-0.01	0.03	-0.03	0.02	-0.03	-2.66	2.68	Pm	33.20	11.38
	Outside	12511	0.33	0.30	-2.54	-0.33	0.04	-0.05	0.65	-0.01	-2.54	3.19	Pm+Pb	49.80	14.61
5	Inside	3861	-0.05	-0.02	-1.92	0.04	0.05	-0.05	0.01	-0.08	-1.92	1.94	Pm+Pb	49.80	24.70
	Middle	3868	-0.01	0.02	-1.99	0.00	0.08	-0.08	0.02	-0.01	-2.00	2.02	Pm	33.20	15.47
	Outside	3875	0.02	0.05	-2.05	-0.04	0.12	-0.12	0.09	0.00	-2.07	2.16	Pm+Pb	49.80	22.09
6	Inside	3943	0.40	0.60	-0.97	-0.51	0.14	-0.12	1.04	-0.02	-0.98	2.02	Pm+Pb	49.80	23.64
	Middle	3945	-0.04	0.04	-1.37	0.00	0.15	-0.13	0.06	-0.03	-1.40	1.46	Pm	33.20	21.79
	Outside	3947	-0.40	-0.42	-1.73	0.42	0.15	-0.13	0.01	-0.79	-1.77	1.78	Pm+Pb	49.80	26.98
7	Inside	4112	0.08	1.52	-0.38	-0.01	0.29	0.01	1.57	0.08	-0.42	1.99	Pm+Pb	49.80	24.06
	Middle	4111	0.07	-0.02	-0.87	-0.01	0.23	0.01	0.07	0.04	-0.93	1.00	Pm	33.20	32.30
	Outside	4110	0.05	-1.09	-1.23	-0.01	0.18	0.01	0.05	-0.97	-1.35	1.40	Pm+Pb	49.80	34.54
8	Inside	21071	0.28	0.48	-0.14	0.37	0.24	0.22	0.87	0.00	-0.24	1.12	Pm+Pb	49.80	43.65
	Middle	21073	-0.03	0.07	-0.28	0.01	0.18	0.17	0.18	0.00	-0.42	0.60	Pm	33.20	54.78
	Outside	21075	-0.28	-0.25	-0.37	-0.29	0.13	0.12	0.02	-0.27	-0.66	0.68	Pm+Pb	49.80	72.51
9	Inside	20989	-0.23	-0.20	0.50	-0.21	0.18	0.17	0.57	0.00	-0.49	1.06	Pm+Pb	49.80	46.14
	Middle	20996	0.03	0.06	0.75	0.05	0.16	0.15	0.82	0.03	-0.01	0.83	Pm	33.20	39.18
	Outside	21003	0.28	0.32	1.00	0.30	0.13	0.13	1.07	0.53	0.00	1.08	Pm+Pb	49.80	45.21
10	Inside	29635	-0.15	-0.18	1.59	-0.15	0.06	0.06	1.59	-0.02	-0.32	1.91	Pm+Pb	49.80	25.13
	Middle	29637	0.07	0.01	1.82	0.06	0.06	0.07	1.82	0.10	-0.02	1.85	Pm	33.20	16.99
	Outside	29639	0.27	0.18	2.03	0.23	0.07	0.08	2.04	0.45	-0.01	2.06	Pm+Pb	49.80	23.23
11	Inside	29804	-0.15	-0.02	1.88	-0.02	0.00	0.01	1.88	-0.02	-0.15	2.04	Pm+Pb	49.80	23.46
	Middle	29803	0.11	-0.02	2.12	0.01	0.00	0.01	2.12	0.11	-0.02	2.14	Pm	33.20	14.54
	Outside	29802	0.28	-0.01	2.33	0.03	0.00	0.01	2.33	0.28	-0.01	2.34	Pm+Pb	49.80	20.25

TABLE 2.10.6-152 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	3.64	1.72	14.88	0.71	3.07	-0.10	15.57	3.83	0.85	14.72	Pm+Pb	99.50	5.76
	Middle	1390	1.45	0.70	5.25	0.20	1.30	0.24	5.61	1.45	0.34	5.27	Pm	69.65	12.21
	Outside	1397	-0.25	0.11	-4.08	0.19	0.38	2.51	1.11	0.01	-5.33	6.44	Pm+Pb	99.50	14.45
2	Inside	1417	1.23	-0.30	9.58	0.50	2.06	1.78	10.36	0.87	-0.72	11.08	Pm+Pb	99.50	7.98
	Middle	1419	-1.94	-0.41	2.53	0.57	0.53	0.82	2.80	-0.40	-2.21	5.01	Pm	69.65	12.90
	Outside	1421	-4.79	-0.33	-4.46	0.72	-0.02	0.13	-0.22	-4.43	-4.94	4.72	Pm+Pb	99.50	20.07
3	Inside	1466	-1.89	-1.89	3.58	1.12	1.44	1.44	4.38	-1.57	-3.02	7.40	Pm+Pb	99.50	12.45
	Middle	1465	-1.42	-1.42	-0.30	0.90	1.78	1.78	2.11	-2.32	-2.92	5.03	Pm	69.65	12.85
	Outside	1464	-0.98	-0.98	-4.02	0.80	2.39	2.39	1.79	-1.79	-5.98	7.77	Pm+Pb	99.50	11.80
4	Inside	9981	-0.30	1.23	9.58	0.50	1.78	2.06	10.36	0.87	-0.72	11.08	Pm+Pb	99.50	7.98
	Middle	9983	-0.41	-1.94	2.53	0.57	0.82	0.53	2.80	-0.40	-2.21	5.01	Pm	69.65	12.90
	Outside	9985	-0.33	-4.79	-4.46	0.72	0.13	-0.02	-0.22	-4.43	-4.94	4.72	Pm+Pb	99.50	20.07
5	Inside	9947	1.72	3.64	14.88	0.00	0.00	3.07	15.57	3.64	1.03	14.53	Pm+Pb	99.50	5.85
	Middle	9954	0.70	1.45	5.25	0.00	0.00	1.30	5.59	1.45	0.35	5.24	Pm	69.65	12.30
	Outside	9961	0.11	-0.25	-4.08	0.00	0.00	0.38	0.14	-0.25	-4.11	4.26	Pm+Pb	99.50	22.38
6	Inside	27109	-0.30	1.23	9.58	-0.50	-1.78	2.06	10.36	0.87	-0.72	11.08	Pm+Pb	99.50	7.98
	Middle	27111	-0.41	-1.94	2.53	-0.57	-0.82	0.53	2.80	-0.40	-2.21	5.01	Pm	69.65	12.90
	Outside	27113	-0.33	-4.79	-4.46	-0.72	-0.13	-0.02	-0.22	-4.43	-4.94	4.72	Pm+Pb	99.50	20.07
7	Inside	18594	-1.89	-1.89	3.58	-1.12	-1.44	1.44	4.38	-1.57	-3.02	7.40	Pm+Pb	99.50	12.45
	Middle	18593	-1.42	-1.42	-0.30	-0.90	-1.78	1.78	2.11	-2.32	-2.92	5.03	Pm	69.65	12.85
	Outside	18592	-0.98	-0.98	-4.02	-0.80	-2.39	2.39	1.79	-1.79	-5.98	7.77	Pm+Pb	99.50	11.80
8	Inside	18545	1.23	-0.30	9.58	-0.50	-2.06	1.78	10.36	0.87	-0.72	11.08	Pm+Pb	99.50	7.98
	Middle	18547	-1.94	-0.41	2.53	-0.57	-0.53	0.82	2.80	-0.40	-2.21	5.01	Pm	69.65	12.90
	Outside	18549	-4.79	-0.33	-4.46	-0.72	0.02	0.13	-0.22	-4.43	-4.94	4.72	Pm+Pb	99.50	20.07
9	Inside	18511	3.64	1.72	14.88	-0.71	-3.07	-0.10	15.57	3.83	0.85	14.72	Pm+Pb	99.50	5.76
	Middle	18518	1.45	0.70	5.25	-0.20	-1.30	0.24	5.61	1.45	0.34	5.27	Pm	69.65	12.21
	Outside	18525	-0.25	0.11	-4.08	-0.19	-0.38	2.51	1.11	0.01	-5.33	6.44	Pm+Pb	99.50	14.45

**TABLE 2.10.6-153 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-4.53	-1.00	-6.52	-0.42	0.02	0.05	-0.95	-4.58	-6.52	5.57	Pm+Pb	99.50	16.87
	Middle	2755	-0.60	-0.78	-5.42	-0.39	0.09	0.11	-0.30	-1.08	-5.43	5.13	Pm	69.65	12.57
	Outside	2762	3.67	0.18	-3.21	-0.35	0.13	0.24	3.71	0.16	-3.22	6.94	Pm+Pb	99.50	13.34
2	Inside	2965	1.39	0.01	-4.41	-0.23	0.05	-0.19	1.43	-0.03	-4.42	5.85	Pm+Pb	99.50	16.01
	Middle	2967	-0.58	-0.30	-5.45	-0.10	0.01	0.42	-0.27	-0.58	-5.49	5.22	Pm	69.65	12.33
	Outside	2969	-1.39	0.32	-5.02	0.03	0.15	0.97	0.33	-1.15	-5.27	5.59	Pm+Pb	99.50	16.79
3	Inside	3053	1.23	1.23	-4.35	-1.61	0.15	0.15	2.84	-0.37	-4.36	7.21	Pm+Pb	99.50	12.81
	Middle	3052	-0.04	-0.04	-5.52	-0.02	0.23	0.23	-0.02	-0.04	-5.54	5.52	Pm	69.65	11.62
	Outside	3051	-1.58	-1.58	-8.51	1.17	0.26	0.26	-0.39	-2.75	-8.53	8.14	Pm+Pb	99.50	11.22
4	Inside	11529	0.01	1.39	-4.41	-0.23	-0.19	0.05	1.43	-0.03	-4.42	5.85	Pm+Pb	99.50	16.01
	Middle	11531	-0.30	-0.58	-5.45	-0.10	0.42	0.01	-0.27	-0.58	-5.49	5.22	Pm	69.65	12.33
	Outside	11533	0.32	-1.39	-5.02	0.03	0.97	0.15	0.33	-1.15	-5.27	5.59	Pm+Pb	99.50	16.79
5	Inside	11312	-1.00	-4.53	-6.52	0.00	0.00	0.02	-1.00	-4.53	-6.52	5.52	Pm+Pb	99.50	17.03
	Middle	11319	-0.78	-0.60	-5.42	0.00	0.00	0.09	-0.60	-0.78	-5.43	4.82	Pm	69.65	13.44
	Outside	11326	0.18	3.67	-3.21	0.00	0.00	0.13	3.67	0.19	-3.21	6.89	Pm+Pb	99.50	13.45
6	Inside	28657	0.01	1.39	-4.41	0.23	0.19	0.05	1.43	-0.03	-4.42	5.85	Pm+Pb	99.50	16.01
	Middle	28659	-0.30	-0.58	-5.45	0.10	-0.42	0.01	-0.27	-0.58	-5.49	5.22	Pm	69.65	12.33
	Outside	28661	0.32	-1.39	-5.02	-0.03	-0.97	0.15	0.33	-1.15	-5.27	5.59	Pm+Pb	99.50	16.79
7	Inside	20181	1.23	1.23	-4.35	1.61	-0.15	0.15	2.84	-0.37	-4.36	7.21	Pm+Pb	99.50	12.81
	Middle	20180	-0.04	-0.04	-5.52	0.02	-0.23	0.23	-0.02	-0.04	-5.54	5.52	Pm	69.65	11.62
	Outside	20179	-1.58	-1.58	-8.51	-1.17	-0.26	0.26	-0.39	-2.75	-8.53	8.14	Pm+Pb	99.50	11.22
8	Inside	20093	1.39	0.01	-4.41	0.23	-0.05	-0.19	1.43	-0.03	-4.42	5.85	Pm+Pb	99.50	16.01
	Middle	20095	-0.58	-0.30	-5.45	0.10	-0.01	0.42	-0.27	-0.58	-5.49	5.22	Pm	69.65	12.33
	Outside	20097	-1.39	0.32	-5.02	-0.03	-0.15	0.97	0.33	-1.15	-5.27	5.59	Pm+Pb	99.50	16.79
9	Inside	19876	-4.53	-1.00	-6.52	0.42	-0.02	0.05	-0.95	-4.58	-6.52	5.57	Pm+Pb	99.50	16.87
	Middle	19883	-0.60	-0.78	-5.42	0.39	-0.09	0.11	-0.30	-1.08	-5.43	5.13	Pm	69.65	12.57
	Outside	19890	3.67	0.18	-3.21	0.35	-0.13	0.24	3.71	0.16	-3.22	6.94	Pm+Pb	99.50	13.34

TABLE 2.10.6-154 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-3.47	-0.05	-5.89	-0.03	0.00	0.00	-0.05	-3.47	-5.89	5.84	Pm+Pb	99.50	16.02
	Middle	2944	0.77	-0.04	-4.63	-0.03	0.00	0.00	0.77	-0.04	-4.63	5.39	Pm	69.65	11.91
	Outside	2951	5.00	-0.03	-3.36	-0.03	0.00	0.00	5.00	-0.03	-3.36	8.36	Pm+Pb	99.50	10.90
2	Inside	3019	3.11	0.04	-3.90	-0.60	0.00	0.01	3.22	-0.07	-3.90	7.12	Pm+Pb	99.50	12.98
	Middle	3021	0.60	0.04	-4.65	-0.40	0.00	0.00	0.81	-0.17	-4.65	5.46	Pm	69.65	11.76
	Outside	3023	-1.32	0.06	-5.22	-0.25	0.00	-0.01	0.11	-1.36	-5.22	5.33	Pm+Pb	99.50	17.68
3	Inside	3188	3.16	3.16	-2.96	-3.26	0.00	0.00	6.42	-0.10	-2.96	9.38	Pm+Pb	99.50	9.61
	Middle	3187	0.23	0.23	-4.69	-0.22	0.00	0.00	0.46	0.01	-4.69	5.15	Pm	69.65	12.54
	Outside	3186	-1.82	-1.82	-5.91	1.93	0.00	0.00	0.10	-3.75	-5.91	6.01	Pm+Pb	99.50	15.55
4	Inside	11583	0.04	3.11	-3.90	-0.60	0.01	0.00	3.22	-0.07	-3.90	7.12	Pm+Pb	99.50	12.98
	Middle	11585	0.04	0.60	-4.65	-0.40	0.00	0.00	0.81	-0.17	-4.65	5.46	Pm	69.65	11.76
	Outside	11587	0.06	-1.32	-5.22	-0.25	-0.01	0.00	0.11	-1.36	-5.22	5.33	Pm+Pb	99.50	17.68
5	Inside	11501	-0.05	-3.47	-5.89	0.00	0.00	0.00	-0.05	-3.47	-5.89	5.84	Pm+Pb	99.50	16.02
	Middle	11508	-0.04	0.77	-4.63	0.00	0.00	0.00	0.77	-0.04	-4.63	5.39	Pm	69.65	11.91
	Outside	11515	-0.03	5.00	-3.36	0.00	0.00	0.00	5.00	-0.03	-3.36	8.36	Pm+Pb	99.50	10.90
6	Inside	28711	0.04	3.11	-3.90	0.60	-0.01	0.00	3.22	-0.07	-3.90	7.12	Pm+Pb	99.50	12.98
	Middle	28713	0.04	0.60	-4.65	0.40	0.00	0.00	0.81	-0.17	-4.65	5.46	Pm	69.65	11.76
	Outside	28715	0.06	-1.32	-5.22	0.25	0.01	0.00	0.11	-1.36	-5.22	5.33	Pm+Pb	99.50	17.68
7	Inside	20316	3.16	3.16	-2.96	3.26	0.00	0.00	6.42	-0.10	-2.96	9.38	Pm+Pb	99.50	9.61
	Middle	20315	0.23	0.23	-4.69	0.22	0.00	0.00	0.46	0.01	-4.69	5.15	Pm	69.65	12.54
	Outside	20314	-1.82	-1.82	-5.91	-1.93	0.00	0.00	0.10	-3.75	-5.91	6.01	Pm+Pb	99.50	15.55
8	Inside	20147	3.11	0.04	-3.90	0.60	0.00	0.01	3.22	-0.07	-3.90	7.12	Pm+Pb	99.50	12.98
	Middle	20149	0.60	0.04	-4.65	0.40	0.00	0.00	0.81	-0.17	-4.65	5.46	Pm	69.65	11.76
	Outside	20151	-1.32	0.06	-5.22	0.25	0.00	-0.01	0.11	-1.36	-5.22	5.33	Pm+Pb	99.50	17.68
9	Inside	20065	-3.47	-0.05	-5.89	0.03	0.00	0.00	-0.05	-3.47	-5.89	5.84	Pm+Pb	99.50	16.02
	Middle	20072	0.77	-0.04	-4.63	0.03	0.00	0.00	0.77	-0.04	-4.63	5.39	Pm	69.65	11.91
	Outside	20079	5.00	-0.03	-3.36	0.03	0.00	0.00	5.00	-0.03	-3.36	8.36	Pm+Pb	99.50	10.90

TABLE 2.10.6-155 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-3.47	-0.05	-5.52	-0.03	0.00	0.00	-0.05	-3.47	-5.52	5.47	Pm+Pb	99.50	17.18
	Middle	3406	0.76	-0.04	-4.25	-0.03	0.00	0.00	0.76	-0.04	-4.25	5.01	Pm	69.65	12.90
	Outside	3413	4.99	-0.03	-2.98	-0.03	0.00	0.00	4.99	-0.03	-2.98	7.97	Pm+Pb	99.50	11.49
2	Inside	3481	3.10	0.04	-3.53	-0.60	0.00	-0.01	3.21	-0.07	-3.53	6.74	Pm+Pb	99.50	13.77
	Middle	3483	0.60	0.04	-4.28	-0.40	0.00	0.00	0.81	-0.17	-4.28	5.08	Pm	69.65	12.70
	Outside	3485	-1.32	0.06	-4.84	-0.25	0.00	0.00	0.11	-1.36	-4.84	4.95	Pm+Pb	99.50	19.09
3	Inside	3650	3.15	3.15	-2.59	-3.25	0.00	0.00	6.40	-0.10	-2.59	9.00	Pm+Pb	99.50	10.06
	Middle	3649	0.23	0.23	-4.32	-0.22	0.00	0.00	0.46	0.01	-4.32	4.77	Pm	69.65	13.59
	Outside	3648	-1.82	-1.82	-5.54	1.92	0.00	0.00	0.10	-3.74	-5.54	5.64	Pm+Pb	99.50	16.64
4	Inside	12045	0.04	3.10	-3.53	-0.60	-0.01	0.00	3.21	-0.07	-3.53	6.74	Pm+Pb	99.50	13.77
	Middle	12047	0.04	0.60	-4.28	-0.40	0.00	0.00	0.81	-0.17	-4.28	5.08	Pm	69.65	12.70
	Outside	12049	0.06	-1.32	-4.84	-0.25	0.00	0.00	0.11	-1.36	-4.84	4.95	Pm+Pb	99.50	19.09
5	Inside	11963	-0.05	-3.47	-5.52	0.00	0.00	0.00	-0.05	-3.47	-5.52	5.47	Pm+Pb	99.50	17.18
	Middle	11970	-0.04	0.76	-4.25	0.00	0.00	0.00	0.76	-0.04	-4.25	5.01	Pm	69.65	12.90
	Outside	11977	-0.03	4.99	-2.98	0.00	0.00	0.00	4.99	-0.03	-2.98	7.97	Pm+Pb	99.50	11.49
6	Inside	29173	0.04	3.10	-3.53	0.60	0.01	0.00	3.21	-0.07	-3.53	6.74	Pm+Pb	99.50	13.77
	Middle	29175	0.04	0.60	-4.28	0.40	0.00	0.00	0.81	-0.17	-4.28	5.08	Pm	69.65	12.70
	Outside	29177	0.06	-1.32	-4.84	0.25	0.00	0.00	0.11	-1.36	-4.84	4.95	Pm+Pb	99.50	19.09
7	Inside	20778	3.15	3.15	-2.59	3.25	0.00	0.00	6.40	-0.10	-2.59	9.00	Pm+Pb	99.50	10.06
	Middle	20777	0.23	0.23	-4.32	0.22	0.00	0.00	0.46	0.01	-4.32	4.77	Pm	69.65	13.59
	Outside	20776	-1.82	-1.82	-5.54	-1.92	0.00	0.00	0.10	-3.74	-5.54	5.64	Pm+Pb	99.50	16.64
8	Inside	20609	3.10	0.04	-3.53	0.60	0.00	-0.01	3.21	-0.07	-3.53	6.74	Pm+Pb	99.50	13.77
	Middle	20611	0.60	0.04	-4.28	0.40	0.00	0.00	0.81	-0.17	-4.28	5.08	Pm	69.65	12.70
	Outside	20613	-1.32	0.06	-4.84	0.25	0.00	0.00	0.11	-1.36	-4.84	4.95	Pm+Pb	99.50	19.09
9	Inside	20527	-3.47	-0.05	-5.52	0.03	0.00	0.00	-0.05	-3.47	-5.52	5.47	Pm+Pb	99.50	17.18
	Middle	20534	0.76	-0.04	-4.25	0.03	0.00	0.00	0.76	-0.04	-4.25	5.01	Pm	69.65	12.90
	Outside	20541	4.99	-0.03	-2.98	0.03	0.00	0.00	4.99	-0.03	-2.98	7.97	Pm+Pb	99.50	11.49

TABLE 2.10.6-156 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-3.48	-0.05	-4.76	-0.03	0.00	0.00	-0.05	-3.49	-4.76	4.71	Pm+Pb	99.50	20.12
	Middle	3868	0.75	-0.04	-3.49	-0.03	0.00	0.00	0.75	-0.04	-3.49	4.24	Pm	69.65	15.44
	Outside	3875	4.98	-0.03	-2.21	-0.03	0.00	0.00	4.98	-0.03	-2.21	7.20	Pm+Pb	99.50	12.82
2	Inside	3943	3.09	0.04	-2.77	-0.60	0.00	0.00	3.20	-0.07	-2.77	5.98	Pm+Pb	99.50	15.65
	Middle	3945	0.59	0.04	-3.51	-0.40	0.00	0.00	0.80	-0.17	-3.51	4.32	Pm	69.65	15.13
	Outside	3947	-1.32	0.06	-4.08	-0.25	0.00	0.00	0.11	-1.36	-4.08	4.18	Pm+Pb	99.50	22.78
3	Inside	4112	3.14	3.14	-1.86	-3.27	0.00	0.00	6.41	-0.13	-1.86	8.27	Pm+Pb	99.50	11.04
	Middle	4111	0.23	0.23	-3.55	-0.23	0.00	0.00	0.46	0.00	-3.55	4.01	Pm	69.65	16.38
	Outside	4110	-1.83	-1.83	-4.75	1.92	0.00	0.00	0.10	-3.75	-4.75	4.84	Pm+Pb	99.50	19.54
4	Inside	12507	0.04	3.09	-2.77	-0.60	0.00	0.00	3.20	-0.07	-2.77	5.98	Pm+Pb	99.50	15.65
	Middle	12509	0.04	0.59	-3.51	-0.40	0.00	0.00	0.80	-0.17	-3.51	4.32	Pm	69.65	15.13
	Outside	12511	0.06	-1.32	-4.08	-0.25	0.00	0.00	0.11	-1.36	-4.08	4.18	Pm+Pb	99.50	22.78
5	Inside	12425	-0.05	-3.48	-4.76	0.00	0.00	0.00	-0.05	-3.48	-4.76	4.71	Pm+Pb	99.50	20.12
	Middle	12432	-0.04	0.75	-3.49	0.00	0.00	0.00	0.75	-0.04	-3.49	4.24	Pm	69.65	15.44
	Outside	12439	-0.03	4.98	-2.21	0.00	0.00	0.00	4.98	-0.03	-2.21	7.20	Pm+Pb	99.50	12.82
6	Inside	29635	0.04	3.09	-2.77	0.60	0.00	0.00	3.20	-0.07	-2.77	5.98	Pm+Pb	99.50	15.65
	Middle	29637	0.04	0.59	-3.51	0.40	0.00	0.00	0.80	-0.17	-3.51	4.32	Pm	69.65	15.13
	Outside	29639	0.06	-1.32	-4.08	0.25	0.00	0.00	0.11	-1.36	-4.08	4.18	Pm+Pb	99.50	22.78
7	Inside	21240	3.14	3.14	-1.86	3.27	0.00	0.00	6.41	-0.13	-1.86	8.27	Pm+Pb	99.50	11.04
	Middle	21239	0.23	0.23	-3.55	0.23	0.00	0.00	0.46	0.00	-3.55	4.01	Pm	69.65	16.38
	Outside	21238	-1.83	-1.83	-4.75	-1.92	0.00	0.00	0.10	-3.75	-4.75	4.84	Pm+Pb	99.50	19.54
8	Inside	21071	3.09	0.04	-2.77	0.60	0.00	0.00	3.20	-0.07	-2.77	5.98	Pm+Pb	99.50	15.65
	Middle	21073	0.59	0.04	-3.51	0.40	0.00	0.00	0.80	-0.17	-3.51	4.32	Pm	69.65	15.13
	Outside	21075	-1.32	0.06	-4.08	0.25	0.00	0.00	0.11	-1.36	-4.08	4.18	Pm+Pb	99.50	22.78
9	Inside	20989	-3.48	-0.05	-4.76	0.03	0.00	0.00	-0.05	-3.49	-4.76	4.71	Pm+Pb	99.50	20.12
	Middle	20996	0.75	-0.04	-3.49	0.03	0.00	0.00	0.75	-0.04	-3.49	4.24	Pm	69.65	15.44
	Outside	21003	4.98	-0.03	-2.21	0.03	0.00	0.00	4.98	-0.03	-2.21	7.20	Pm+Pb	99.50	12.82

**TABLE 2.10.6-157 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION A**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	3.64	1.72	20.28	0.71	3.07	-0.10	20.78	3.84	1.02	19.76	Pm+Pb	100.00	4.06
	Middle	1390	1.45	0.70	10.65	0.20	1.30	0.24	10.82	1.48	0.50	10.32	Pm	70.00	5.78
	Outside	1397	-0.25	0.11	1.32	0.19	0.38	2.51	3.22	0.06	-2.09	5.32	Pm+Pb	100.00	17.81
2	Inside	1417	1.23	-0.30	14.98	0.50	2.06	1.78	15.48	1.04	-0.61	16.09	Pm+Pb	100.00	5.21
	Middle	1419	-1.94	-0.41	7.93	0.57	0.53	0.82	8.04	-0.28	-2.17	10.20	Pm	70.00	5.86
	Outside	1421	-4.79	-0.33	0.94	0.72	-0.02	0.13	0.94	-0.22	-4.91	5.85	Pm+Pb	100.00	16.10
3	Inside	1466	-1.89	-1.89	8.98	1.12	1.44	1.44	9.39	-1.17	-3.02	12.40	Pm+Pb	100.00	7.06
	Middle	1465	-1.42	-1.42	5.10	0.90	1.78	1.78	6.06	-1.48	-2.32	8.39	Pm	70.00	7.35
	Outside	1464	-0.98	-0.98	1.38	0.80	2.39	2.39	4.07	-1.79	-2.87	6.94	Pm+Pb	100.00	13.42
4	Inside	9981	-0.30	1.23	14.98	0.50	1.78	2.06	15.48	1.04	-0.61	16.09	Pm+Pb	100.00	5.21
	Middle	9983	-0.41	-1.94	7.93	0.57	0.82	0.53	8.04	-0.28	-2.17	10.20	Pm	70.00	5.86
	Outside	9985	-0.33	-4.79	0.94	0.72	0.13	-0.02	0.94	-0.22	-4.91	5.85	Pm+Pb	100.00	16.10
5	Inside	9947	1.72	3.64	20.28	0.00	0.00	3.07	20.78	3.64	1.22	19.56	Pm+Pb	100.00	4.11
	Middle	9954	0.70	1.45	10.65	0.00	0.00	1.30	10.81	1.45	0.53	10.28	Pm	70.00	5.81
	Outside	9961	0.11	-0.25	1.32	0.00	0.00	0.38	1.43	0.00	-0.25	1.68	Pm+Pb	100.00	58.55
6	Inside	27109	-0.30	1.23	14.98	-0.50	-1.78	2.06	15.48	1.04	-0.61	16.09	Pm+Pb	100.00	5.21
	Middle	27111	-0.41	-1.94	7.93	-0.57	-0.82	0.53	8.04	-0.28	-2.17	10.20	Pm	70.00	5.86
	Outside	27113	-0.33	-4.79	0.94	-0.72	-0.13	-0.02	0.94	-0.22	-4.91	5.85	Pm+Pb	100.00	16.10
7	Inside	18594	-1.89	-1.89	8.98	-1.12	-1.44	1.44	9.39	-1.17	-3.02	12.40	Pm+Pb	100.00	7.06
	Middle	18593	-1.42	-1.42	5.10	-0.90	-1.78	1.78	6.06	-1.48	-2.32	8.39	Pm	70.00	7.35
	Outside	18592	-0.98	-0.98	1.38	-0.80	-2.39	2.39	4.07	-1.79	-2.87	6.94	Pm+Pb	100.00	13.42
8	Inside	18545	1.23	-0.30	14.98	-0.50	-2.06	1.78	15.48	1.04	-0.61	16.09	Pm+Pb	100.00	5.21
	Middle	18547	-1.94	-0.41	7.93	-0.57	-0.53	0.82	8.04	-0.28	-2.17	10.20	Pm	70.00	5.86
	Outside	18549	-4.79	-0.33	0.94	-0.72	0.02	0.13	0.94	-0.22	-4.91	5.85	Pm+Pb	100.00	16.10
9	Inside	18511	3.64	1.72	20.28	-0.71	-3.07	-0.10	20.78	3.84	1.02	19.76	Pm+Pb	100.00	4.06
	Middle	18518	1.45	0.70	10.65	-0.20	-1.30	0.24	10.82	1.48	0.50	10.32	Pm	70.00	5.78
	Outside	18525	-0.25	0.11	1.32	-0.19	-0.38	2.51	3.22	0.06	-2.09	5.32	Pm+Pb	100.00	17.81

TABLE 2.10.6-158 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-4.53	-1.00	-1.12	-0.42	0.02	0.05	-0.95	-1.12	-4.58	3.63	Pm+Pb	100.00	26.55
	Middle	2755	-0.60	-0.78	-0.02	-0.39	0.09	0.11	0.00	-0.30	-1.11	1.10	Pm	70.00	62.48
	Outside	2762	3.67	0.18	2.19	-0.35	0.13	0.24	3.74	2.17	0.14	3.60	Pm+Pb	100.00	26.75
2	Inside	2965	1.39	0.01	0.99	-0.23	0.05	-0.19	1.50	0.91	-0.03	1.53	Pm+Pb	100.00	64.27
	Middle	2967	-0.58	-0.30	-0.05	-0.10	0.01	0.42	0.18	-0.29	-0.82	1.00	Pm	70.00	68.81
	Outside	2969	-1.39	0.32	0.38	0.03	0.15	0.97	0.84	0.28	-1.82	2.66	Pm+Pb	100.00	36.55
3	Inside	3053	1.23	1.23	1.05	-1.61	0.15	0.15	2.84	1.08	-0.42	3.26	Pm+Pb	100.00	29.69
	Middle	3052	-0.04	-0.04	-0.12	-0.02	0.23	0.23	0.24	-0.02	-0.42	0.66	Pm	70.00	104.51
	Outside	3051	-1.58	-1.58	-3.11	1.17	0.26	0.26	-0.36	-2.75	-3.16	2.81	Pm+Pb	100.00	34.64
4	Inside	11529	0.01	1.39	0.99	-0.23	-0.19	0.05	1.50	0.91	-0.03	1.53	Pm+Pb	100.00	64.27
	Middle	11531	-0.30	-0.58	-0.05	-0.10	0.42	0.01	0.18	-0.29	-0.82	1.00	Pm	70.00	68.81
	Outside	11533	0.32	-1.39	0.38	0.03	0.97	0.15	0.84	0.28	-1.82	2.66	Pm+Pb	100.00	36.55
5	Inside	11312	-1.00	-4.53	-1.12	0.00	0.00	0.02	-1.00	-1.12	-4.53	3.53	Pm+Pb	100.00	27.31
	Middle	11319	-0.78	-0.60	-0.02	0.00	0.00	0.09	-0.01	-0.60	-0.79	0.78	Pm	70.00	88.99
	Outside	11326	0.18	3.67	2.19	0.00	0.00	0.13	3.67	2.20	0.18	3.50	Pm+Pb	100.00	27.60
6	Inside	28657	0.01	1.39	0.99	0.23	0.19	0.05	1.50	0.91	-0.03	1.53	Pm+Pb	100.00	64.27
	Middle	28659	-0.30	-0.58	-0.05	0.10	-0.42	0.01	0.18	-0.29	-0.82	1.00	Pm	70.00	68.81
	Outside	28661	0.32	-1.39	0.38	-0.03	-0.97	0.15	0.84	0.28	-1.82	2.66	Pm+Pb	100.00	36.55
7	Inside	20181	1.23	1.23	1.05	1.61	-0.15	0.15	2.84	1.08	-0.42	3.26	Pm+Pb	100.00	29.69
	Middle	20180	-0.04	-0.04	-0.12	0.02	-0.23	0.23	0.24	-0.02	-0.42	0.66	Pm	70.00	104.51
	Outside	20179	-1.58	-1.58	-3.11	-1.17	-0.26	0.26	-0.36	-2.75	-3.16	2.81	Pm+Pb	100.00	34.64
8	Inside	20093	1.39	0.01	0.99	0.23	-0.05	-0.19	1.50	0.91	-0.03	1.53	Pm+Pb	100.00	64.27
	Middle	20095	-0.58	-0.30	-0.05	0.10	-0.01	0.42	0.18	-0.29	-0.82	1.00	Pm	70.00	68.81
	Outside	20097	-1.39	0.32	0.38	-0.03	-0.15	0.97	0.84	0.28	-1.82	2.66	Pm+Pb	100.00	36.55
9	Inside	19876	-4.53	-1.00	-1.12	0.42	-0.02	0.05	-0.95	-1.12	-4.58	3.63	Pm+Pb	100.00	26.55
	Middle	19883	-0.60	-0.78	-0.02	0.39	-0.09	0.11	0.00	-0.30	-1.11	1.10	Pm	70.00	62.48
	Outside	19890	3.67	0.18	2.19	0.35	-0.13	0.24	3.74	2.17	0.14	3.60	Pm+Pb	100.00	26.75

**TABLE 2.10.6-159 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION C**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-3.47	-0.05	-0.49	-0.03	0.00	0.00	-0.05	-0.49	-3.47	3.42	Pm+Pb	100.00	28.24
	Middle	2944	0.77	-0.04	0.77	-0.03	0.00	0.00	0.77	0.77	-0.04	0.81	Pm	70.00	84.96
	Outside	2951	5.00	-0.03	2.04	-0.03	0.00	0.00	5.00	2.04	-0.03	5.03	Pm+Pb	100.00	18.87
2	Inside	3019	3.11	0.04	1.50	-0.60	0.00	0.01	3.22	1.50	-0.07	3.29	Pm+Pb	100.00	29.40
	Middle	3021	0.60	0.04	0.75	-0.40	0.00	0.00	0.81	0.75	-0.17	0.98	Pm	70.00	70.75
	Outside	3023	-1.32	0.06	0.18	-0.25	0.00	-0.01	0.18	0.11	-1.36	1.55	Pm+Pb	100.00	63.72
3	Inside	3188	3.16	3.16	2.44	-3.26	0.00	0.00	6.42	2.44	-0.10	6.52	Pm+Pb	100.00	14.35
	Middle	3187	0.23	0.23	0.71	-0.22	0.00	0.00	0.71	0.46	0.01	0.70	Pm	70.00	99.01
	Outside	3186	-1.82	-1.82	-0.51	1.93	0.00	0.00	0.10	-0.51	-3.75	3.85	Pm+Pb	100.00	24.95
4	Inside	11583	0.04	3.11	1.50	-0.60	0.01	0.00	3.22	1.50	-0.07	3.29	Pm+Pb	100.00	29.40
	Middle	11585	0.04	0.60	0.75	-0.40	0.00	0.00	0.81	0.75	-0.17	0.98	Pm	70.00	70.75
	Outside	11587	0.06	-1.32	0.18	-0.25	-0.01	0.00	0.18	0.11	-1.36	1.55	Pm+Pb	100.00	63.72
5	Inside	11501	-0.05	-3.47	-0.49	0.00	0.00	0.00	-0.05	-0.49	-3.47	3.42	Pm+Pb	100.00	28.24
	Middle	11508	-0.04	0.77	0.77	0.00	0.00	0.00	0.77	0.77	-0.04	0.81	Pm	70.00	85.08
	Outside	11515	-0.03	5.00	2.04	0.00	0.00	0.00	5.00	2.04	-0.03	5.03	Pm+Pb	100.00	18.87
6	Inside	28711	0.04	3.11	1.50	0.60	-0.01	0.00	3.22	1.50	-0.07	3.29	Pm+Pb	100.00	29.40
	Middle	28713	0.04	0.60	0.75	0.40	0.00	0.00	0.81	0.75	-0.17	0.98	Pm	70.00	70.75
	Outside	28715	0.06	-1.32	0.18	0.25	0.01	0.00	0.18	0.11	-1.36	1.55	Pm+Pb	100.00	63.72
7	Inside	20316	3.16	3.16	2.44	3.26	0.00	0.00	6.42	2.44	-0.10	6.52	Pm+Pb	100.00	14.35
	Middle	20315	0.23	0.23	0.71	0.22	0.00	0.00	0.71	0.46	0.01	0.70	Pm	70.00	99.01
	Outside	20314	-1.82	-1.82	-0.51	-1.93	0.00	0.00	0.10	-0.51	-3.75	3.85	Pm+Pb	100.00	24.95
8	Inside	20147	3.11	0.04	1.50	0.60	0.00	0.01	3.22	1.50	-0.07	3.29	Pm+Pb	100.00	29.40
	Middle	20149	0.60	0.04	0.75	0.40	0.00	0.00	0.81	0.75	-0.17	0.98	Pm	70.00	70.75
	Outside	20151	-1.32	0.06	0.18	0.25	0.00	-0.01	0.18	0.11	-1.36	1.55	Pm+Pb	100.00	63.72
9	Inside	20065	-3.47	-0.05	-0.49	0.03	0.00	0.00	-0.05	-0.49	-3.47	3.42	Pm+Pb	100.00	28.24
	Middle	20072	0.77	-0.04	0.77	0.03	0.00	0.00	0.77	0.77	-0.04	0.81	Pm	70.00	84.96
	Outside	20079	5.00	-0.03	2.04	0.03	0.00	0.00	5.00	2.04	-0.03	5.03	Pm+Pb	100.00	18.87

TABLE 2.10.6-160 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-3.47	-0.05	-0.12	-0.03	0.00	0.00	-0.05	-0.12	-3.47	3.42	Pm+Pb	100.00	28.23
	Middle	3406	0.76	-0.04	1.15	-0.03	0.00	0.00	1.15	0.76	-0.04	1.19	Pm	70.00	57.94
	Outside	3413	4.99	-0.03	2.42	-0.03	0.00	0.00	4.99	2.42	-0.03	5.02	Pm+Pb	100.00	18.94
2	Inside	3481	3.10	0.04	1.87	-0.60	0.00	-0.01	3.21	1.87	-0.07	3.28	Pm+Pb	100.00	29.48
	Middle	3483	0.60	0.04	1.12	-0.40	0.00	0.00	1.12	0.80	-0.17	1.29	Pm	70.00	53.32
	Outside	3485	-1.32	0.06	0.56	-0.25	0.00	0.00	0.56	0.11	-1.36	1.92	Pm+Pb	100.00	51.12
3	Inside	3650	3.15	3.15	2.81	-3.25	0.00	0.00	6.40	2.81	-0.10	6.50	Pm+Pb	100.00	14.38
	Middle	3649	0.23	0.23	1.08	-0.22	0.00	0.00	1.08	0.46	0.01	1.07	Pm	70.00	64.44
	Outside	3648	-1.82	-1.82	-0.14	1.92	0.00	0.00	0.10	-0.14	-3.74	3.85	Pm+Pb	100.00	24.99
4	Inside	12045	0.04	3.10	1.87	-0.60	-0.01	0.00	3.21	1.87	-0.07	3.28	Pm+Pb	100.00	29.48
	Middle	12047	0.04	0.60	1.12	-0.40	0.00	0.00	1.12	0.80	-0.17	1.29	Pm	70.00	53.32
	Outside	12049	0.06	-1.32	0.56	-0.25	0.00	0.00	0.56	0.11	-1.36	1.92	Pm+Pb	100.00	51.12
5	Inside	11963	-0.05	-3.47	-0.12	0.00	0.00	0.00	-0.05	-0.12	-3.47	3.42	Pm+Pb	100.00	28.23
	Middle	11970	-0.04	0.76	1.15	0.00	0.00	0.00	1.15	0.76	-0.04	1.19	Pm	70.00	58.00
	Outside	11977	-0.03	4.99	2.42	0.00	0.00	0.00	4.99	2.42	-0.03	5.02	Pm+Pb	100.00	18.94
6	Inside	29173	0.04	3.10	1.87	0.60	0.01	0.00	3.21	1.87	-0.07	3.28	Pm+Pb	100.00	29.48
	Middle	29175	0.04	0.60	1.12	0.40	0.00	0.00	1.12	0.80	-0.17	1.29	Pm	70.00	53.32
	Outside	29177	0.06	-1.32	0.56	0.25	0.00	0.00	0.56	0.11	-1.36	1.92	Pm+Pb	100.00	51.12
7	Inside	20778	3.15	3.15	2.81	3.25	0.00	0.00	6.40	2.81	-0.10	6.50	Pm+Pb	100.00	14.38
	Middle	20777	0.23	0.23	1.08	0.22	0.00	0.00	1.08	0.46	0.01	1.07	Pm	70.00	64.44
	Outside	20776	-1.82	-1.82	-0.14	-1.92	0.00	0.00	0.10	-0.14	-3.74	3.85	Pm+Pb	100.00	24.99
8	Inside	20609	3.10	0.04	1.87	0.60	0.00	-0.01	3.21	1.87	-0.07	3.28	Pm+Pb	100.00	29.48
	Middle	20611	0.60	0.04	1.12	0.40	0.00	0.00	1.12	0.80	-0.17	1.29	Pm	70.00	53.32
	Outside	20613	-1.32	0.06	0.56	0.25	0.00	0.00	0.56	0.11	-1.36	1.92	Pm+Pb	100.00	51.12
9	Inside	20527	-3.47	-0.05	-0.12	0.03	0.00	0.00	-0.05	-0.12	-3.47	3.42	Pm+Pb	100.00	28.23
	Middle	20534	0.76	-0.04	1.15	0.03	0.00	0.00	1.15	0.76	-0.04	1.19	Pm	70.00	57.94
	Outside	20541	4.99	-0.03	2.42	0.03	0.00	0.00	4.99	2.42	-0.03	5.02	Pm+Pb	100.00	18.94

TABLE 2.10.6-161 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-3.48	-0.05	0.64	-0.03	0.00	0.00	0.64	-0.05	-3.49	4.12	Pm+Pb	100.00	23.25
	Middle	3868	0.75	-0.04	1.91	-0.03	0.00	0.00	1.91	0.75	-0.04	1.95	Pm	70.00	34.82
	Outside	3875	4.98	-0.03	3.19	-0.03	0.00	0.00	4.98	3.19	-0.03	5.01	Pm+Pb	100.00	18.95
2	Inside	3943	3.09	0.04	2.63	-0.60	0.00	0.00	3.20	2.63	-0.07	3.28	Pm+Pb	100.00	29.53
	Middle	3945	0.59	0.04	1.89	-0.40	0.00	0.00	1.89	0.80	-0.17	2.05	Pm	70.00	33.09
	Outside	3947	-1.32	0.06	1.32	-0.25	0.00	0.00	1.32	0.11	-1.36	2.69	Pm+Pb	100.00	36.22
3	Inside	4112	3.14	3.14	3.54	-3.27	0.00	0.00	6.41	3.54	-0.13	6.54	Pm+Pb	100.00	14.30
	Middle	4111	0.23	0.23	1.85	-0.23	0.00	0.00	1.85	0.46	0.00	1.85	Pm	70.00	36.75
	Outside	4110	-1.83	-1.83	0.65	1.92	0.00	0.00	0.65	0.10	-3.75	4.40	Pm+Pb	100.00	21.72
4	Inside	12507	0.04	3.09	2.63	-0.60	0.00	0.00	3.20	2.63	-0.07	3.28	Pm+Pb	100.00	29.53
	Middle	12509	0.04	0.59	1.89	-0.40	0.00	0.00	1.89	0.80	-0.17	2.05	Pm	70.00	33.09
	Outside	12511	0.06	-1.32	1.32	-0.25	0.00	0.00	1.32	0.11	-1.36	2.69	Pm+Pb	100.00	36.22
5	Inside	12425	-0.05	-3.48	0.64	0.00	0.00	0.00	0.64	-0.05	-3.48	4.12	Pm+Pb	100.00	23.25
	Middle	12432	-0.04	0.75	1.91	0.00	0.00	0.00	1.91	0.75	-0.04	1.95	Pm	70.00	34.84
	Outside	12439	-0.03	4.98	3.19	0.00	0.00	0.00	4.98	3.19	-0.03	5.01	Pm+Pb	100.00	18.95
6	Inside	29635	0.04	3.09	2.63	0.60	0.00	0.00	3.20	2.63	-0.07	3.28	Pm+Pb	100.00	29.53
	Middle	29637	0.04	0.59	1.89	0.40	0.00	0.00	1.89	0.80	-0.17	2.05	Pm	70.00	33.09
	Outside	29639	0.06	-1.32	1.32	0.25	0.00	0.00	1.32	0.11	-1.36	2.69	Pm+Pb	100.00	36.22
7	Inside	21240	3.14	3.14	3.54	3.27	0.00	0.00	6.41	3.54	-0.13	6.54	Pm+Pb	100.00	14.30
	Middle	21239	0.23	0.23	1.85	0.23	0.00	0.00	1.85	0.46	0.00	1.85	Pm	70.00	36.75
	Outside	21238	-1.83	-1.83	0.65	-1.92	0.00	0.00	0.65	0.10	-3.75	4.40	Pm+Pb	100.00	21.72
8	Inside	21071	3.09	0.04	2.63	0.60	0.00	0.00	3.20	2.63	-0.07	3.28	Pm+Pb	100.00	29.53
	Middle	21073	0.59	0.04	1.89	0.40	0.00	0.00	1.89	0.80	-0.17	2.05	Pm	70.00	33.09
	Outside	21075	-1.32	0.06	1.32	0.25	0.00	0.00	1.32	0.11	-1.36	2.69	Pm+Pb	100.00	36.22
9	Inside	20989	-3.48	-0.05	0.64	0.03	0.00	0.00	0.64	-0.05	-3.49	4.12	Pm+Pb	100.00	23.25
	Middle	20996	0.75	-0.04	1.91	0.03	0.00	0.00	1.91	0.75	-0.04	1.95	Pm	70.00	34.82
	Outside	21003	4.98	-0.03	3.19	0.03	0.00	0.00	4.98	3.19	-0.03	5.01	Pm+Pb	100.00	18.95

TABLE 2.10.6-162 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	-3.02	-0.77	3.58	-0.12	2.03	-0.12	4.38	-1.57	-3.02	7.41	Pm+Pb	99.50	12.43
	Middle	10029	-2.32	-0.52	-0.30	-0.06	2.51	-0.24	2.12	-2.31	-2.95	5.07	Pm	69.65	12.75
	Outside	10028	-1.79	-0.18	-4.02	-0.06	3.38	-2.09	2.13	-1.47	-6.65	8.78	Pm+Pb	99.50	10.33
4	Inside	9981	-0.03	0.96	9.58	-0.76	2.71	0.20	10.36	0.87	-0.72	11.08	Pm+Pb	99.50	7.98
	Middle	9983	-1.75	-0.60	2.53	0.76	0.95	-0.21	2.80	-0.40	-2.21	5.01	Pm	69.65	12.90
	Outside	9985	-3.28	-1.84	-4.46	2.23	0.08	-0.10	-0.22	-4.43	-4.94	4.72	Pm+Pb	99.50	20.07
5	Inside	1383	2.68	2.68	14.88	-0.96	2.17	2.17	15.57	3.64	1.03	14.53	Pm+Pb	99.50	5.85
	Middle	1390	1.08	1.08	5.25	-0.38	0.92	0.92	5.59	1.45	0.35	5.24	Pm	69.65	12.30
	Outside	1397	-0.07	-0.07	-4.08	0.18	0.27	0.27	0.14	-0.25	-4.11	4.26	Pm+Pb	99.50	22.38
6	Inside	1417	0.96	-0.03	9.58	-0.76	0.20	2.71	10.36	0.87	-0.72	11.08	Pm+Pb	99.50	7.98
	Middle	1419	-0.60	-1.75	2.53	0.76	-0.21	0.95	2.80	-0.40	-2.21	5.01	Pm	69.65	12.90
	Outside	1421	-1.84	-3.28	-4.46	2.23	-0.10	0.08	-0.22	-4.43	-4.94	4.72	Pm+Pb	99.50	20.07
7	Inside	1466	-0.77	-3.02	3.58	0.00	0.00	2.03	4.38	-1.57	-3.02	7.40	Pm+Pb	99.50	12.45
	Middle	1465	-0.52	-2.32	-0.30	0.00	0.00	2.51	2.11	-2.32	-2.92	5.03	Pm	69.65	12.85
	Outside	1464	-0.18	-1.79	-4.02	0.00	0.00	3.38	1.79	-1.79	-5.98	7.77	Pm+Pb	99.50	11.80
8	Inside	18545	0.96	-0.03	9.58	0.76	-0.20	2.71	10.36	0.87	-0.72	11.08	Pm+Pb	99.50	7.98
	Middle	18547	-0.60	-1.75	2.53	-0.76	0.21	0.95	2.80	-0.40	-2.21	5.01	Pm	69.65	12.90
	Outside	18549	-1.84	-3.28	-4.46	-2.23	0.10	0.08	-0.22	-4.43	-4.94	4.72	Pm+Pb	99.50	20.07
9	Inside	18511	2.68	2.68	14.88	0.96	-2.17	2.17	15.57	3.64	1.03	14.53	Pm+Pb	99.50	5.85
	Middle	18518	1.08	1.08	5.25	0.38	-0.92	0.92	5.59	1.45	0.35	5.24	Pm	69.65	12.30
	Outside	18525	-0.07	-0.07	-4.08	-0.18	-0.27	0.27	0.14	-0.25	-4.11	4.26	Pm+Pb	99.50	22.38
10	Inside	27109	-0.03	0.96	9.58	0.76	-2.71	0.20	10.36	0.87	-0.72	11.08	Pm+Pb	99.50	7.98
	Middle	27111	-1.75	-0.60	2.53	-0.76	-0.95	-0.21	2.80	-0.40	-2.21	5.01	Pm	69.65	12.90
	Outside	27113	-3.28	-1.84	-4.46	-2.23	-0.08	-0.10	-0.22	-4.43	-4.94	4.72	Pm+Pb	99.50	20.07
11	Inside	27158	-3.02	-0.77	3.58	0.12	-2.03	-0.12	4.38	-1.57	-3.02	7.41	Pm+Pb	99.50	12.43
	Middle	27157	-2.32	-0.52	-0.30	0.06	-2.51	-0.24	2.12	-2.31	-2.95	5.07	Pm	69.65	12.75
	Outside	27156	-1.79	-0.18	-4.02	0.06	-3.38	-2.09	2.13	-1.47	-6.65	8.78	Pm+Pb	99.50	10.33

**TABLE 2.10.6-163 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	2.84	-0.38	-4.35	-0.28	0.21	0.04	2.87	-0.40	-4.36	7.23	Pm+Pb	99.50	12.76
	Middle	11616	-0.02	-0.06	-5.52	0.08	0.33	-0.21	0.04	-0.09	-5.55	5.59	Pm	69.65	11.46
	Outside	11615	-2.75	-0.40	-8.51	0.32	0.36	-0.41	-0.35	-2.76	-8.56	8.21	Pm+Pb	99.50	11.12
4	Inside	11529	0.92	0.47	-4.41	-0.69	-0.10	0.17	1.43	-0.03	-4.42	5.85	Pm+Pb	99.50	16.00
	Middle	11531	-0.34	-0.54	-5.45	0.14	0.30	-0.28	-0.27	-0.58	-5.49	5.22	Pm	69.65	12.34
	Outside	11533	-0.57	-0.50	-5.02	0.86	0.79	-0.58	0.33	-1.15	-5.27	5.59	Pm+Pb	99.50	16.79
5	Inside	2748	-2.77	-2.77	-6.52	1.76	0.02	0.02	-1.00	-4.53	-6.52	5.52	Pm+Pb	99.50	17.03
	Middle	2755	-0.69	-0.69	-5.42	-0.09	0.06	0.06	-0.60	-0.78	-5.43	4.82	Pm	69.65	13.44
	Outside	2762	1.93	1.93	-3.21	-1.74	0.09	0.09	3.67	0.19	-3.21	6.89	Pm+Pb	99.50	13.45
6	Inside	2965	0.47	0.92	-4.41	-0.69	0.17	-0.10	1.43	-0.03	-4.42	5.85	Pm+Pb	99.50	16.00
	Middle	2967	-0.54	-0.34	-5.45	0.14	-0.28	0.30	-0.27	-0.58	-5.49	5.22	Pm	69.65	12.34
	Outside	2969	-0.50	-0.57	-5.02	0.86	-0.58	0.79	0.33	-1.15	-5.27	5.59	Pm+Pb	99.50	16.79
7	Inside	3053	-0.38	2.84	-4.35	0.00	0.00	0.21	2.84	-0.37	-4.36	7.21	Pm+Pb	99.50	12.81
	Middle	3052	-0.06	-0.02	-5.52	0.00	0.00	0.33	-0.02	-0.04	-5.54	5.52	Pm	69.65	11.62
	Outside	3051	-0.40	-2.75	-8.51	0.00	0.00	0.36	-0.39	-2.75	-8.53	8.14	Pm+Pb	99.50	11.22
8	Inside	20093	0.47	0.92	-4.41	0.69	-0.17	-0.10	1.43	-0.03	-4.42	5.85	Pm+Pb	99.50	16.00
	Middle	20095	-0.54	-0.34	-5.45	-0.14	0.28	0.30	-0.27	-0.58	-5.49	5.22	Pm	69.65	12.34
	Outside	20097	-0.50	-0.57	-5.02	-0.86	0.58	0.79	0.33	-1.15	-5.27	5.59	Pm+Pb	99.50	16.79
9	Inside	19876	-2.77	-2.77	-6.52	-1.76	-0.02	0.02	-1.00	-4.53	-6.52	5.52	Pm+Pb	99.50	17.03
	Middle	19883	-0.69	-0.69	-5.42	0.09	-0.06	0.06	-0.60	-0.78	-5.43	4.82	Pm	69.65	13.44
	Outside	19890	1.93	1.93	-3.21	1.74	-0.09	0.09	3.67	0.19	-3.21	6.89	Pm+Pb	99.50	13.45
10	Inside	28657	0.92	0.47	-4.41	0.69	0.10	0.17	1.43	-0.03	-4.42	5.85	Pm+Pb	99.50	16.00
	Middle	28659	-0.34	-0.54	-5.45	-0.14	-0.30	-0.28	-0.27	-0.58	-5.49	5.22	Pm	69.65	12.34
	Outside	28661	-0.57	-0.50	-5.02	-0.86	-0.79	-0.58	0.33	-1.15	-5.27	5.59	Pm+Pb	99.50	16.79
11	Inside	28745	2.84	-0.38	-4.35	0.28	-0.21	0.04	2.87	-0.40	-4.36	7.23	Pm+Pb	99.50	12.76
	Middle	28744	-0.02	-0.06	-5.52	-0.08	-0.33	-0.21	0.04	-0.09	-5.55	5.59	Pm	69.65	11.46
	Outside	28743	-2.75	-0.40	-8.51	-0.32	-0.36	-0.41	-0.35	-2.76	-8.56	8.21	Pm+Pb	99.50	11.12

TABLE 2.10.6-164 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	6.42	-0.10	-2.96	-0.69	0.00	0.00	6.49	-0.17	-2.96	9.45	Pm+Pb	99.50	9.53
	Middle	11751	0.46	0.01	-4.69	-0.06	0.00	0.00	0.47	0.00	-4.69	5.15	Pm	69.65	12.52
	Outside	11750	-3.75	0.10	-5.91	0.39	0.00	0.00	0.14	-3.79	-5.91	6.05	Pm+Pb	99.50	15.44
4	Inside	11583	2.17	0.98	-3.90	-1.53	0.01	-0.01	3.22	-0.07	-3.90	7.12	Pm+Pb	99.50	12.98
	Middle	11585	0.72	-0.08	-4.65	-0.28	0.00	0.00	0.81	-0.17	-4.65	5.46	Pm	69.65	11.76
	Outside	11587	-0.38	-0.87	-5.22	0.69	-0.01	0.01	0.11	-1.36	-5.22	5.33	Pm+Pb	99.50	17.68
5	Inside	2937	-1.76	-1.76	-5.89	1.71	0.00	0.00	-0.05	-3.47	-5.89	5.84	Pm+Pb	99.50	16.03
	Middle	2944	0.36	0.36	-4.63	-0.40	0.00	0.00	0.77	-0.04	-4.63	5.39	Pm	69.65	11.91
	Outside	2951	2.49	2.49	-3.36	-2.52	0.00	0.00	5.00	-0.03	-3.36	8.36	Pm+Pb	99.50	10.90
6	Inside	3019	0.98	2.17	-3.90	-1.53	-0.01	0.01	3.22	-0.07	-3.90	7.12	Pm+Pb	99.50	12.98
	Middle	3021	-0.08	0.72	-4.65	-0.28	0.00	0.00	0.81	-0.17	-4.65	5.46	Pm	69.65	11.76
	Outside	3023	-0.87	-0.38	-5.22	0.69	0.01	-0.01	0.11	-1.36	-5.22	5.33	Pm+Pb	99.50	17.68
7	Inside	3188	-0.10	6.42	-2.96	0.00	0.00	0.00	6.42	-0.10	-2.96	9.38	Pm+Pb	99.50	9.61
	Middle	3187	0.01	0.46	-4.69	0.00	0.00	0.00	0.46	0.01	-4.69	5.15	Pm	69.65	12.54
	Outside	3186	0.10	-3.75	-5.91	0.00	0.00	0.00	0.10	-3.75	-5.91	6.01	Pm+Pb	99.50	15.55
8	Inside	20147	0.98	2.17	-3.90	1.53	0.01	0.01	3.22	-0.07	-3.90	7.12	Pm+Pb	99.50	12.98
	Middle	20149	-0.08	0.72	-4.65	0.28	0.00	0.00	0.81	-0.17	-4.65	5.46	Pm	69.65	11.76
	Outside	20151	-0.87	-0.38	-5.22	-0.69	-0.01	-0.01	0.11	-1.36	-5.22	5.33	Pm+Pb	99.50	17.68
9	Inside	20065	-1.76	-1.76	-5.89	-1.71	0.00	0.00	-0.05	-3.47	-5.89	5.84	Pm+Pb	99.50	16.03
	Middle	20072	0.36	0.36	-4.63	0.40	0.00	0.00	0.77	-0.04	-4.63	5.39	Pm	69.65	11.91
	Outside	20079	2.49	2.49	-3.36	2.52	0.00	0.00	5.00	-0.03	-3.36	8.36	Pm+Pb	99.50	10.90
10	Inside	28711	2.17	0.98	-3.90	1.53	-0.01	-0.01	3.22	-0.07	-3.90	7.12	Pm+Pb	99.50	12.98
	Middle	28713	0.72	-0.08	-4.65	0.28	0.00	0.00	0.81	-0.17	-4.65	5.46	Pm	69.65	11.76
	Outside	28715	-0.38	-0.87	-5.22	-0.69	0.01	0.01	0.11	-1.36	-5.22	5.33	Pm+Pb	99.50	17.68
11	Inside	28880	6.42	-0.10	-2.96	0.69	0.00	0.00	6.49	-0.17	-2.96	9.45	Pm+Pb	99.50	9.53
	Middle	28879	0.46	0.01	-4.69	0.06	0.00	0.00	0.47	0.00	-4.69	5.15	Pm	69.65	12.52
	Outside	28878	-3.75	0.10	-5.91	-0.39	0.00	0.00	0.14	-3.79	-5.91	6.05	Pm+Pb	99.50	15.44

TABLE 2.10.6-165 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	6.40	-0.10	-2.59	-0.69	0.00	0.00	6.48	-0.17	-2.59	9.07	Pm+Pb	99.50	9.97
	Middle	12213	0.45	0.01	-4.32	-0.06	0.00	0.00	0.46	0.00	-4.32	4.78	Pm	69.65	13.57
	Outside	12212	-3.74	0.10	-5.54	0.39	0.00	0.00	0.14	-3.78	-5.54	5.68	Pm+Pb	99.50	16.52
4	Inside	12045	2.17	0.97	-3.53	-1.53	-0.01	0.01	3.21	-0.07	-3.53	6.74	Pm+Pb	99.50	13.77
	Middle	12047	0.72	-0.08	-4.28	-0.28	0.00	0.00	0.81	-0.17	-4.28	5.08	Pm	69.65	12.70
	Outside	12049	-0.38	-0.87	-4.84	0.69	0.00	0.00	0.11	-1.36	-4.84	4.95	Pm+Pb	99.50	19.09
5	Inside	3399	-1.76	-1.76	-5.52	1.71	0.00	0.00	-0.05	-3.47	-5.52	5.47	Pm+Pb	99.50	17.18
	Middle	3406	0.36	0.36	-4.25	-0.40	0.00	0.00	0.76	-0.04	-4.25	5.01	Pm	69.65	12.90
	Outside	3413	2.48	2.48	-2.98	-2.51	0.00	0.00	4.99	-0.03	-2.98	7.97	Pm+Pb	99.50	11.49
6	Inside	3481	0.97	2.17	-3.53	-1.53	0.01	-0.01	3.21	-0.07	-3.53	6.74	Pm+Pb	99.50	13.77
	Middle	3483	-0.08	0.72	-4.28	-0.28	0.00	0.00	0.81	-0.17	-4.28	5.08	Pm	69.65	12.70
	Outside	3485	-0.87	-0.38	-4.84	0.69	0.00	0.00	0.11	-1.36	-4.84	4.95	Pm+Pb	99.50	19.09
7	Inside	3650	-0.10	6.40	-2.59	0.00	0.00	0.00	6.40	-0.10	-2.59	9.00	Pm+Pb	99.50	10.06
	Middle	3649	0.01	0.45	-4.32	0.00	0.00	0.00	0.45	0.01	-4.32	4.77	Pm	69.65	13.59
	Outside	3648	0.10	-3.74	-5.54	0.00	0.00	0.00	0.10	-3.74	-5.54	5.64	Pm+Pb	99.50	16.64
8	Inside	20609	0.97	2.17	-3.53	1.53	-0.01	-0.01	3.21	-0.07	-3.53	6.74	Pm+Pb	99.50	13.77
	Middle	20611	-0.08	0.72	-4.28	0.28	0.00	0.00	0.81	-0.17	-4.28	5.08	Pm	69.65	12.70
	Outside	20613	-0.87	-0.38	-4.84	-0.69	0.00	0.00	0.11	-1.36	-4.84	4.95	Pm+Pb	99.50	19.09
9	Inside	20527	-1.76	-1.76	-5.52	-1.71	0.00	0.00	-0.05	-3.47	-5.52	5.47	Pm+Pb	99.50	17.18
	Middle	20534	0.36	0.36	-4.25	0.40	0.00	0.00	0.76	-0.04	-4.25	5.01	Pm	69.65	12.90
	Outside	20541	2.48	2.48	-2.98	2.51	0.00	0.00	4.99	-0.03	-2.98	7.97	Pm+Pb	99.50	11.49
10	Inside	29173	2.17	0.97	-3.53	1.53	0.01	0.01	3.21	-0.07	-3.53	6.74	Pm+Pb	99.50	13.77
	Middle	29175	0.72	-0.08	-4.28	0.28	0.00	0.00	0.81	-0.17	-4.28	5.08	Pm	69.65	12.70
	Outside	29177	-0.38	-0.87	-4.84	-0.69	0.00	0.00	0.11	-1.36	-4.84	4.95	Pm+Pb	99.50	19.09
11	Inside	29342	6.40	-0.10	-2.59	0.69	0.00	0.00	6.48	-0.17	-2.59	9.07	Pm+Pb	99.50	9.97
	Middle	29341	0.45	0.01	-4.32	0.06	0.00	0.00	0.46	0.00	-4.32	4.78	Pm	69.65	13.57
	Outside	29340	-3.74	0.10	-5.54	-0.39	0.00	0.00	0.14	-3.78	-5.54	5.68	Pm+Pb	99.50	16.52

TABLE 2.10.6-166 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= 200°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	6.41	-0.13	-1.86	-0.70	0.00	0.00	6.48	-0.20	-1.86	8.34	Pm+Pb	99.50	10.93
	Middle	12675	0.46	0.00	-3.55	-0.07	0.00	0.00	0.47	-0.01	-3.55	4.02	Pm	69.65	16.34
	Outside	12674	-3.75	0.10	-4.75	0.38	0.00	0.00	0.13	-3.79	-4.75	4.88	Pm+Pb	99.50	19.38
4	Inside	12507	2.16	0.97	-2.77	-1.52	0.00	0.00	3.21	-0.07	-2.77	5.98	Pm+Pb	99.50	15.65
	Middle	12509	0.72	-0.08	-3.51	-0.28	0.00	0.00	0.80	-0.17	-3.51	4.32	Pm	69.65	15.13
	Outside	12511	-0.38	-0.87	-4.08	0.69	0.00	0.00	0.11	-1.36	-4.08	4.18	Pm+Pb	99.50	22.78
5	Inside	3861	-1.77	-1.77	-4.76	1.72	0.00	0.00	-0.05	-3.48	-4.76	4.71	Pm+Pb	99.50	20.12
	Middle	3868	0.35	0.35	-3.49	-0.39	0.00	0.00	0.75	-0.04	-3.49	4.24	Pm	69.65	15.44
	Outside	3875	2.48	2.48	-2.21	-2.51	0.00	0.00	4.98	-0.03	-2.21	7.20	Pm+Pb	99.50	12.82
6	Inside	3943	0.97	2.16	-2.77	-1.52	0.00	0.00	3.21	-0.07	-2.77	5.98	Pm+Pb	99.50	15.65
	Middle	3945	-0.08	0.72	-3.51	-0.28	0.00	0.00	0.80	-0.17	-3.51	4.32	Pm	69.65	15.13
	Outside	3947	-0.87	-0.38	-4.08	0.69	0.00	0.00	0.11	-1.36	-4.08	4.18	Pm+Pb	99.50	22.78
7	Inside	4112	-0.13	6.41	-1.86	0.00	0.00	0.00	6.41	-0.13	-1.86	8.27	Pm+Pb	99.50	11.04
	Middle	4111	0.00	0.46	-3.55	0.00	0.00	0.00	0.46	0.00	-3.55	4.01	Pm	69.65	16.38
	Outside	4110	0.10	-3.75	-4.75	0.00	0.00	0.00	0.10	-3.75	-4.75	4.84	Pm+Pb	99.50	19.54
8	Inside	21071	0.97	2.16	-2.77	1.52	0.00	0.00	3.21	-0.07	-2.77	5.98	Pm+Pb	99.50	15.65
	Middle	21073	-0.08	0.72	-3.51	0.28	0.00	0.00	0.80	-0.17	-3.51	4.32	Pm	69.65	15.13
	Outside	21075	-0.87	-0.38	-4.08	-0.69	0.00	0.00	0.11	-1.36	-4.08	4.18	Pm+Pb	99.50	22.78
9	Inside	20989	-1.77	-1.77	-4.76	-1.72	0.00	0.00	-0.05	-3.48	-4.76	4.71	Pm+Pb	99.50	20.12
	Middle	20996	0.35	0.35	-3.49	0.39	0.00	0.00	0.75	-0.04	-3.49	4.24	Pm	69.65	15.44
	Outside	21003	2.48	2.48	-2.21	2.51	0.00	0.00	4.98	-0.03	-2.21	7.20	Pm+Pb	99.50	12.82
10	Inside	29635	2.16	0.97	-2.77	1.52	0.00	0.00	3.21	-0.07	-2.77	5.98	Pm+Pb	99.50	15.65
	Middle	29637	0.72	-0.08	-3.51	0.28	0.00	0.00	0.80	-0.17	-3.51	4.32	Pm	69.65	15.13
	Outside	29639	-0.38	-0.87	-4.08	-0.69	0.00	0.00	0.11	-1.36	-4.08	4.18	Pm+Pb	99.50	22.78
11	Inside	29804	6.41	-0.13	-1.86	0.70	0.00	0.00	6.48	-0.20	-1.86	8.34	Pm+Pb	99.50	10.93
	Middle	29803	0.46	0.00	-3.55	0.07	0.00	0.00	0.47	-0.01	-3.55	4.02	Pm	69.65	16.34
	Outside	29802	-3.75	0.10	-4.75	-0.38	0.00	0.00	0.13	-3.79	-4.75	4.88	Pm+Pb	99.50	19.38

TABLE 2.10.6-167 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	-3.02	-0.77	8.98	-0.12	2.03	-0.12	9.39	-1.17	-3.02	12.41	Pm+Pb	100.00	7.06
	Middle	10029	-2.32	-0.52	5.10	-0.06	2.51	-0.24	6.07	-1.47	-2.33	8.40	Pm	70.00	7.33
	Outside	10028	-1.79	-0.18	1.38	-0.06	3.38	-2.09	4.53	-1.31	-3.81	8.33	Pm+Pb	100.00	11.00
4	Inside	9981	-0.03	0.96	14.98	-0.76	2.71	0.20	15.48	1.04	-0.61	16.09	Pm+Pb	100.00	5.21
	Middle	9983	-1.75	-0.60	7.93	0.76	0.95	-0.21	8.04	-0.28	-2.17	10.20	Pm	70.00	5.86
	Outside	9985	-3.28	-1.84	0.94	2.23	0.08	-0.10	0.94	-0.22	-4.91	5.85	Pm+Pb	100.00	16.10
5	Inside	1383	2.68	2.68	20.28	-0.96	2.17	2.17	20.78	3.64	1.22	19.56	Pm+Pb	100.00	4.11
	Middle	1390	1.08	1.08	10.65	-0.38	0.92	0.92	10.81	1.45	0.53	10.28	Pm	70.00	5.81
	Outside	1397	-0.07	-0.07	1.32	0.18	0.27	0.27	1.43	0.00	-0.25	1.68	Pm+Pb	100.00	58.57
6	Inside	1417	0.96	-0.03	14.98	-0.76	0.20	2.71	15.48	1.04	-0.61	16.09	Pm+Pb	100.00	5.21
	Middle	1419	-0.60	-1.75	7.93	0.76	-0.21	0.95	8.04	-0.28	-2.17	10.20	Pm	70.00	5.86
	Outside	1421	-1.84	-3.28	0.94	2.23	-0.10	0.08	0.94	-0.22	-4.91	5.85	Pm+Pb	100.00	16.10
7	Inside	1466	-0.77	-3.02	8.98	0.00	0.00	2.03	9.39	-1.17	-3.02	12.40	Pm+Pb	100.00	7.06
	Middle	1465	-0.52	-2.32	5.10	0.00	0.00	2.51	6.06	-1.48	-2.32	8.39	Pm	70.00	7.35
	Outside	1464	-0.18	-1.79	1.38	0.00	0.00	3.38	4.07	-1.79	-2.87	6.94	Pm+Pb	100.00	13.42
8	Inside	18545	0.96	-0.03	14.98	0.76	-0.20	2.71	15.48	1.04	-0.61	16.09	Pm+Pb	100.00	5.21
	Middle	18547	-0.60	-1.75	7.93	-0.76	0.21	0.95	8.04	-0.28	-2.17	10.20	Pm	70.00	5.86
	Outside	18549	-1.84	-3.28	0.94	-2.23	0.10	0.08	0.94	-0.22	-4.91	5.85	Pm+Pb	100.00	16.10
9	Inside	18511	2.68	2.68	20.28	0.96	-2.17	2.17	20.78	3.64	1.22	19.56	Pm+Pb	100.00	4.11
	Middle	18518	1.08	1.08	10.65	0.38	-0.92	0.92	10.81	1.45	0.53	10.28	Pm	70.00	5.81
	Outside	18525	-0.07	-0.07	1.32	-0.18	-0.27	0.27	1.43	0.00	-0.25	1.68	Pm+Pb	100.00	58.57
10	Inside	27109	-0.03	0.96	14.98	0.76	-2.71	0.20	15.48	1.04	-0.61	16.09	Pm+Pb	100.00	5.21
	Middle	27111	-1.75	-0.60	7.93	-0.76	-0.95	-0.21	8.04	-0.28	-2.17	10.20	Pm	70.00	5.86
	Outside	27113	-3.28	-1.84	0.94	-2.23	-0.08	-0.10	0.94	-0.22	-4.91	5.85	Pm+Pb	100.00	16.10
11	Inside	27158	-3.02	-0.77	8.98	0.12	-2.03	-0.12	9.39	-1.17	-3.02	12.41	Pm+Pb	100.00	7.06
	Middle	27157	-2.32	-0.52	5.10	0.06	-2.51	-0.24	6.07	-1.47	-2.33	8.40	Pm	70.00	7.33
	Outside	27156	-1.79	-0.18	1.38	0.06	-3.38	-2.09	4.53	-1.31	-3.81	8.33	Pm+Pb	100.00	11.00

TABLE 2.10.6-168 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	2.84	-0.38	1.05	-0.28	0.21	0.04	2.87	1.08	-0.44	3.31	Pm+Pb	100.00	29.24
	Middle	11616	-0.02	-0.06	-0.12	0.08	0.33	-0.21	0.27	0.04	-0.51	0.79	Pm	70.00	87.77
	Outside	11615	-2.75	-0.40	-3.11	0.32	0.36	-0.41	-0.33	-2.49	-3.46	3.13	Pm+Pb	100.00	30.93
4	Inside	11529	0.92	0.47	0.99	-0.69	-0.10	0.17	1.50	0.91	-0.03	1.53	Pm+Pb	100.00	64.19
	Middle	11531	-0.34	-0.54	-0.05	0.14	0.30	-0.28	0.18	-0.29	-0.82	1.00	Pm	70.00	68.82
	Outside	11533	-0.57	-0.50	0.38	0.86	0.79	-0.58	0.84	0.28	-1.82	2.66	Pm+Pb	100.00	36.55
5	Inside	2748	-2.77	-2.77	-1.12	1.76	0.02	0.02	-1.00	-1.12	-4.53	3.53	Pm+Pb	100.00	27.31
	Middle	2755	-0.69	-0.69	-0.02	-0.09	0.06	0.06	-0.01	-0.60	-0.79	0.78	Pm	70.00	88.99
	Outside	2762	1.93	1.93	2.19	-1.74	0.09	0.09	3.67	2.20	0.17	3.50	Pm+Pb	100.00	27.59
6	Inside	2965	0.47	0.92	0.99	-0.69	0.17	-0.10	1.50	0.91	-0.03	1.53	Pm+Pb	100.00	64.19
	Middle	2967	-0.54	-0.34	-0.05	0.14	-0.28	0.30	0.18	-0.29	-0.82	1.00	Pm	70.00	68.82
	Outside	2969	-0.50	-0.57	0.38	0.86	-0.58	0.79	0.84	0.28	-1.82	2.66	Pm+Pb	100.00	36.55
7	Inside	3053	-0.38	2.84	1.05	0.00	0.00	0.21	2.84	1.08	-0.42	3.26	Pm+Pb	100.00	29.69
	Middle	3052	-0.06	-0.02	-0.12	0.00	0.00	0.33	0.24	-0.02	-0.42	0.66	Pm	70.00	104.51
	Outside	3051	-0.40	-2.75	-3.11	0.00	0.00	0.36	-0.36	-2.75	-3.16	2.81	Pm+Pb	100.00	34.64
8	Inside	20093	0.47	0.92	0.99	0.69	-0.17	-0.10	1.50	0.91	-0.03	1.53	Pm+Pb	100.00	64.19
	Middle	20095	-0.54	-0.34	-0.05	-0.14	0.28	0.30	0.18	-0.29	-0.82	1.00	Pm	70.00	68.82
	Outside	20097	-0.50	-0.57	0.38	-0.86	0.58	0.79	0.84	0.28	-1.82	2.66	Pm+Pb	100.00	36.55
9	Inside	19876	-2.77	-2.77	-1.12	-1.76	-0.02	0.02	-1.00	-1.12	-4.53	3.53	Pm+Pb	100.00	27.31
	Middle	19883	-0.69	-0.69	-0.02	0.09	-0.06	0.06	-0.01	-0.60	-0.79	0.78	Pm	70.00	88.99
	Outside	19890	1.93	1.93	2.19	1.74	-0.09	0.09	3.67	2.20	0.17	3.50	Pm+Pb	100.00	27.59
10	Inside	28657	0.92	0.47	0.99	0.69	0.10	0.17	1.50	0.91	-0.03	1.53	Pm+Pb	100.00	64.19
	Middle	28659	-0.34	-0.54	-0.05	-0.14	-0.30	-0.28	0.18	-0.29	-0.82	1.00	Pm	70.00	68.82
	Outside	28661	-0.57	-0.50	0.38	-0.86	-0.79	-0.58	0.84	0.28	-1.82	2.66	Pm+Pb	100.00	36.55
11	Inside	28745	2.84	-0.38	1.05	0.28	-0.21	0.04	2.87	1.08	-0.44	3.31	Pm+Pb	100.00	29.24
	Middle	28744	-0.02	-0.06	-0.12	-0.08	-0.33	-0.21	0.27	0.04	-0.51	0.79	Pm	70.00	87.77
	Outside	28743	-2.75	-0.40	-3.11	-0.32	-0.36	-0.41	-0.33	-2.49	-3.46	3.13	Pm+Pb	100.00	30.93

TABLE 2.10.6-169 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	6.42	-0.10	2.44	-0.69	0.00	0.00	6.49	2.44	-0.17	6.66	Pm+Pb	100.00	14.01
	Middle	11751	0.46	0.01	0.71	-0.06	0.00	0.00	0.71	0.47	0.00	0.71	Pm	70.00	97.74
	Outside	11750	-3.75	0.10	-0.51	0.39	0.00	0.00	0.14	-0.51	-3.79	3.93	Pm+Pb	100.00	24.44
4	Inside	11583	2.17	0.98	1.50	-1.53	0.01	-0.01	3.22	1.50	-0.07	3.29	Pm+Pb	100.00	29.40
	Middle	11585	0.72	-0.08	0.75	-0.28	0.00	0.00	0.81	0.75	-0.17	0.97	Pm	70.00	70.81
	Outside	11587	-0.38	-0.87	0.18	0.69	-0.01	0.01	0.18	0.11	-1.36	1.55	Pm+Pb	100.00	63.72
5	Inside	2937	-1.76	-1.76	-0.49	1.71	0.00	0.00	-0.05	-0.49	-3.47	3.42	Pm+Pb	100.00	28.24
	Middle	2944	0.36	0.36	0.77	-0.40	0.00	0.00	0.77	0.77	-0.04	0.81	Pm	70.00	85.08
	Outside	2951	2.49	2.49	2.04	-2.52	0.00	0.00	5.00	2.04	-0.03	5.03	Pm+Pb	100.00	18.87
6	Inside	3019	0.98	2.17	1.50	-1.53	-0.01	0.01	3.22	1.50	-0.07	3.29	Pm+Pb	100.00	29.40
	Middle	3021	-0.08	0.72	0.75	-0.28	0.00	0.00	0.81	0.75	-0.17	0.97	Pm	70.00	70.81
	Outside	3023	-0.87	-0.38	0.18	0.69	0.01	-0.01	0.18	0.11	-1.36	1.55	Pm+Pb	100.00	63.72
7	Inside	3188	-0.10	6.42	2.44	0.00	0.00	0.00	6.42	2.44	-0.10	6.52	Pm+Pb	100.00	14.35
	Middle	3187	0.01	0.46	0.71	0.00	0.00	0.00	0.71	0.46	0.01	0.70	Pm	70.00	98.92
	Outside	3186	0.10	-3.75	-0.51	0.00	0.00	0.00	0.10	-0.51	-3.75	3.85	Pm+Pb	100.00	24.95
8	Inside	20147	0.98	2.17	1.50	1.53	0.01	0.01	3.22	1.50	-0.07	3.29	Pm+Pb	100.00	29.40
	Middle	20149	-0.08	0.72	0.75	0.28	0.00	0.00	0.81	0.75	-0.17	0.97	Pm	70.00	70.81
	Outside	20151	-0.87	-0.38	0.18	-0.69	-0.01	-0.01	0.18	0.11	-1.36	1.55	Pm+Pb	100.00	63.72
9	Inside	20065	-1.76	-1.76	-0.49	-1.71	0.00	0.00	-0.05	-0.49	-3.47	3.42	Pm+Pb	100.00	28.24
	Middle	20072	0.36	0.36	0.77	0.40	0.00	0.00	0.77	0.77	-0.04	0.81	Pm	70.00	85.08
	Outside	20079	2.49	2.49	2.04	2.52	0.00	0.00	5.00	2.04	-0.03	5.03	Pm+Pb	100.00	18.87
10	Inside	28711	2.17	0.98	1.50	1.53	-0.01	-0.01	3.22	1.50	-0.07	3.29	Pm+Pb	100.00	29.40
	Middle	28713	0.72	-0.08	0.75	0.28	0.00	0.00	0.81	0.75	-0.17	0.97	Pm	70.00	70.81
	Outside	28715	-0.38	-0.87	0.18	-0.69	0.01	0.01	0.18	0.11	-1.36	1.55	Pm+Pb	100.00	63.72
11	Inside	28880	6.42	-0.10	2.44	0.69	0.00	0.00	6.49	2.44	-0.17	6.66	Pm+Pb	100.00	14.01
	Middle	28879	0.46	0.01	0.71	0.06	0.00	0.00	0.71	0.47	0.00	0.71	Pm	70.00	97.74
	Outside	28878	-3.75	0.10	-0.51	-0.39	0.00	0.00	0.14	-0.51	-3.79	3.93	Pm+Pb	100.00	24.44

TABLE 2.10.6-170 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	6.40	-0.10	2.81	-0.69	0.00	0.00	6.48	2.81	-0.17	6.65	Pm+Pb	100.00	14.04
	Middle	12213	0.45	0.01	1.08	-0.06	0.00	0.00	1.08	0.46	0.00	1.08	Pm	70.00	63.93
	Outside	12212	-3.74	0.10	-0.14	0.39	0.00	0.00	0.14	-0.14	-3.78	3.92	Pm+Pb	100.00	24.49
4	Inside	12045	2.17	0.97	1.87	-1.53	-0.01	0.01	3.21	1.87	-0.07	3.28	Pm+Pb	100.00	29.49
	Middle	12047	0.72	-0.08	1.12	-0.28	0.00	0.00	1.12	0.81	-0.17	1.29	Pm	70.00	53.32
	Outside	12049	-0.38	-0.87	0.56	0.69	0.00	0.00	0.56	0.11	-1.36	1.92	Pm+Pb	100.00	51.12
5	Inside	3399	-1.76	-1.76	-0.12	1.71	0.00	0.00	-0.05	-0.12	-3.47	3.42	Pm+Pb	100.00	28.23
	Middle	3406	0.36	0.36	1.15	-0.40	0.00	0.00	1.15	0.76	-0.04	1.19	Pm	70.00	58.00
	Outside	3413	2.48	2.48	2.42	-2.51	0.00	0.00	4.99	2.42	-0.03	5.02	Pm+Pb	100.00	18.94
6	Inside	3481	0.97	2.17	1.87	-1.53	0.01	-0.01	3.21	1.87	-0.07	3.28	Pm+Pb	100.00	29.49
	Middle	3483	-0.08	0.72	1.12	-0.28	0.00	0.00	1.12	0.81	-0.17	1.29	Pm	70.00	53.32
	Outside	3485	-0.87	-0.38	0.56	0.69	0.00	0.00	0.56	0.11	-1.36	1.92	Pm+Pb	100.00	51.12
7	Inside	3650	-0.10	6.40	2.81	0.00	0.00	0.00	6.40	2.81	-0.10	6.50	Pm+Pb	100.00	14.38
	Middle	3649	0.01	0.45	1.08	0.00	0.00	0.00	1.08	0.45	0.01	1.07	Pm	70.00	64.44
	Outside	3648	0.10	-3.74	-0.14	0.00	0.00	0.00	0.10	-0.14	-3.74	3.85	Pm+Pb	100.00	24.99
8	Inside	20609	0.97	2.17	1.87	1.53	-0.01	-0.01	3.21	1.87	-0.07	3.28	Pm+Pb	100.00	29.49
	Middle	20611	-0.08	0.72	1.12	0.28	0.00	0.00	1.12	0.81	-0.17	1.29	Pm	70.00	53.32
	Outside	20613	-0.87	-0.38	0.56	-0.69	0.00	0.00	0.56	0.11	-1.36	1.92	Pm+Pb	100.00	51.12
9	Inside	20527	-1.76	-1.76	-0.12	-1.71	0.00	0.00	-0.05	-0.12	-3.47	3.42	Pm+Pb	100.00	28.23
	Middle	20534	0.36	0.36	1.15	0.40	0.00	0.00	1.15	0.76	-0.04	1.19	Pm	70.00	58.00
	Outside	20541	2.48	2.48	2.42	2.51	0.00	0.00	4.99	2.42	-0.03	5.02	Pm+Pb	100.00	18.94
10	Inside	29173	2.17	0.97	1.87	1.53	0.01	0.01	3.21	1.87	-0.07	3.28	Pm+Pb	100.00	29.49
	Middle	29175	0.72	-0.08	1.12	0.28	0.00	0.00	1.12	0.81	-0.17	1.29	Pm	70.00	53.32
	Outside	29177	-0.38	-0.87	0.56	-0.69	0.00	0.00	0.56	0.11	-1.36	1.92	Pm+Pb	100.00	51.12
11	Inside	29342	6.40	-0.10	2.81	0.69	0.00	0.00	6.48	2.81	-0.17	6.65	Pm+Pb	100.00	14.04
	Middle	29341	0.45	0.01	1.08	0.06	0.00	0.00	1.08	0.46	0.00	1.08	Pm	70.00	63.93
	Outside	29340	-3.74	0.10	-0.14	-0.39	0.00	0.00	0.14	-0.14	-3.78	3.92	Pm+Pb	100.00	24.49

TABLE 2.10.6-171 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT END DROP (T= -20°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	6.41	-0.13	3.54	-0.70	0.00	0.00	6.48	3.54	-0.20	6.68	Pm+Pb	100.00	13.96
	Middle	12675	0.46	0.00	1.85	-0.07	0.00	0.00	1.85	0.47	-0.01	1.86	Pm	70.00	36.55
	Outside	12674	-3.75	0.10	0.65	0.38	0.00	0.00	0.65	0.13	-3.79	4.44	Pm+Pb	100.00	21.53
4	Inside	12507	2.16	0.97	2.63	-1.52	0.00	0.00	3.21	2.63	-0.07	3.28	Pm+Pb	100.00	29.53
	Middle	12509	0.72	-0.08	1.89	-0.28	0.00	0.00	1.89	0.80	-0.17	2.05	Pm	70.00	33.09
	Outside	12511	-0.38	-0.87	1.32	0.69	0.00	0.00	1.32	0.11	-1.36	2.69	Pm+Pb	100.00	36.22
5	Inside	3861	-1.77	-1.77	0.64	1.72	0.00	0.00	0.64	-0.05	-3.48	4.12	Pm+Pb	100.00	23.25
	Middle	3868	0.35	0.35	1.91	-0.39	0.00	0.00	1.91	0.75	-0.04	1.95	Pm	70.00	34.84
	Outside	3875	2.48	2.48	3.19	-2.51	0.00	0.00	4.98	3.19	-0.03	5.01	Pm+Pb	100.00	18.95
6	Inside	3943	0.97	2.16	2.63	-1.52	0.00	0.00	3.21	2.63	-0.07	3.28	Pm+Pb	100.00	29.53
	Middle	3945	-0.08	0.72	1.89	-0.28	0.00	0.00	1.89	0.80	-0.17	2.05	Pm	70.00	33.09
	Outside	3947	-0.87	-0.38	1.32	0.69	0.00	0.00	1.32	0.11	-1.36	2.69	Pm+Pb	100.00	36.22
7	Inside	4112	-0.13	6.41	3.54	0.00	0.00	0.00	6.41	3.54	-0.13	6.54	Pm+Pb	100.00	14.30
	Middle	4111	0.00	0.46	1.85	0.00	0.00	0.00	1.85	0.46	0.00	1.85	Pm	70.00	36.75
	Outside	4110	0.10	-3.75	0.65	0.00	0.00	0.00	0.65	0.10	-3.75	4.40	Pm+Pb	100.00	21.72
8	Inside	21071	0.97	2.16	2.63	1.52	0.00	0.00	3.21	2.63	-0.07	3.28	Pm+Pb	100.00	29.53
	Middle	21073	-0.08	0.72	1.89	0.28	0.00	0.00	1.89	0.80	-0.17	2.05	Pm	70.00	33.09
	Outside	21075	-0.87	-0.38	1.32	-0.69	0.00	0.00	1.32	0.11	-1.36	2.69	Pm+Pb	100.00	36.22
9	Inside	20989	-1.77	-1.77	0.64	-1.72	0.00	0.00	0.64	-0.05	-3.48	4.12	Pm+Pb	100.00	23.25
	Middle	20996	0.35	0.35	1.91	0.39	0.00	0.00	1.91	0.75	-0.04	1.95	Pm	70.00	34.84
	Outside	21003	2.48	2.48	3.19	2.51	0.00	0.00	4.98	3.19	-0.03	5.01	Pm+Pb	100.00	18.95
10	Inside	29635	2.16	0.97	2.63	1.52	0.00	0.00	3.21	2.63	-0.07	3.28	Pm+Pb	100.00	29.53
	Middle	29637	0.72	-0.08	1.89	0.28	0.00	0.00	1.89	0.80	-0.17	2.05	Pm	70.00	33.09
	Outside	29639	-0.38	-0.87	1.32	-0.69	0.00	0.00	1.32	0.11	-1.36	2.69	Pm+Pb	100.00	36.22
11	Inside	29804	6.41	-0.13	3.54	0.70	0.00	0.00	6.48	3.54	-0.20	6.68	Pm+Pb	100.00	13.96
	Middle	29803	0.46	0.00	1.85	0.07	0.00	0.00	1.85	0.47	-0.01	1.86	Pm	70.00	36.55
	Outside	29802	-3.75	0.10	0.65	-0.38	0.00	0.00	0.65	0.13	-3.79	4.44	Pm+Pb	100.00	21.53

TABLE 2.10.6-172 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	-0.41	3.65	0.25	1.09	2.68	-0.29	5.24	-0.03	-1.73	6.97	Pm+Pb	99.50	13.27
	Middle	1390	6.28	1.65	-2.46	0.28	1.89	0.53	6.35	2.34	-3.22	9.57	Pm	69.65	6.28
	Outside	1397	13.56	0.22	-4.63	0.14	1.71	1.28	13.66	0.74	-5.25	18.90	Pm+Pb	99.50	4.26
2	Inside	1417	5.19	0.08	-2.10	-0.85	0.13	-1.17	5.51	-0.06	-2.28	7.79	Pm+Pb	99.50	11.77
	Middle	1419	2.18	-0.14	-3.86	-0.41	-0.21	1.54	2.62	-0.21	-4.23	6.85	Pm	69.65	9.16
	Outside	1421	-0.63	-0.22	-5.94	-0.11	-0.48	3.84	1.44	-0.27	-7.97	9.41	Pm+Pb	99.50	9.57
3	Inside	1466	3.68	3.00	-1.97	-3.17	-2.84	2.24	7.83	0.24	-3.36	11.19	Pm+Pb	99.50	7.89
	Middle	1465	0.61	0.24	-2.73	0.22	-3.00	2.43	2.85	0.67	-5.40	8.25	Pm	69.65	7.44
	Outside	1464	-1.84	-1.76	-3.36	2.60	-3.18	2.73	0.93	0.21	-8.09	9.02	Pm+Pb	99.50	10.03
4	Inside	9981	0.13	2.94	0.63	-1.16	-7.39	0.73	9.46	-0.06	-5.71	15.17	Pm+Pb	99.50	5.56
	Middle	9983	-0.14	-0.35	-0.23	-0.54	-6.05	0.56	5.86	-0.24	-6.34	12.20	Pm	69.65	4.71
	Outside	9985	-0.16	-3.37	-1.07	-0.03	-4.92	0.31	2.86	-0.18	-7.28	10.14	Pm+Pb	99.50	8.81
5	Inside	9947	0.08	-2.62	2.54	-0.72	-7.89	0.88	8.41	-0.07	-8.34	16.75	Pm+Pb	99.50	4.94
	Middle	9954	-0.18	0.15	2.80	-0.44	-7.92	0.69	9.57	-0.24	-6.56	16.13	Pm	69.65	3.32
	Outside	9961	-0.36	3.00	3.17	-0.19	-8.18	0.55	11.28	-0.37	-5.11	16.39	Pm+Pb	99.50	5.07
6	Inside	27109	-0.03	-3.86	5.11	-0.54	-6.21	0.21	8.31	-0.03	-7.05	15.36	Pm+Pb	99.50	5.48
	Middle	27111	0.24	-3.10	4.79	-0.22	-5.10	0.11	7.30	0.24	-5.61	12.91	Pm	69.65	4.40
	Outside	27113	0.42	-2.51	4.79	-0.12	-4.44	-0.20	6.89	0.43	-4.62	11.51	Pm+Pb	99.50	7.64
7	Inside	18594	-6.03	-5.56	2.84	-4.52	-2.06	-0.84	3.33	-1.45	-10.63	13.96	Pm+Pb	99.50	6.13
	Middle	18593	-2.31	-2.23	2.41	0.25	-2.02	-1.08	3.38	-2.48	-3.03	6.41	Pm	69.65	9.86
	Outside	18592	0.30	-0.57	1.55	3.14	-2.00	-1.31	4.72	-0.04	-3.41	8.13	Pm+Pb	99.50	11.24
8	Inside	18545	-9.64	-4.97	2.58	-2.45	-0.09	3.46	3.55	-4.18	-11.41	14.96	Pm+Pb	99.50	5.65
	Middle	18547	-6.05	-2.20	0.40	-1.67	0.12	-1.59	0.87	-1.75	-6.96	7.83	Pm	69.65	7.90
	Outside	18549	-2.79	-0.41	-2.03	-1.11	-0.52	-5.93	3.57	-0.28	-8.51	12.08	Pm+Pb	99.50	7.24
9	Inside	18511	2.67	2.57	13.30	-0.82	-0.73	-0.84	13.41	3.44	1.70	11.71	Pm+Pb	99.50	7.50
	Middle	18518	-9.83	2.62	0.46	0.99	0.43	-0.11	2.77	0.38	-9.91	12.68	Pm	69.65	4.49
	Outside	18525	-21.60	3.32	-10.91	1.64	0.62	0.13	3.46	-10.94	-21.71	25.16	Pm+Pb	99.50	2.95

**TABLE 2.10.6-173 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-15.88	-1.55	-17.21	-0.63	-0.21	0.41	-1.52	-15.79	-17.32	15.81	Pm+Pb	99.50	5.30
	Middle	2755	1.55	-0.90	-11.60	-0.60	-0.15	0.36	1.71	-1.05	-11.61	13.32	Pm	69.65	4.23
	Outside	2762	18.57	-0.18	-6.14	-0.70	-0.24	0.40	18.60	-0.20	-6.16	24.76	Pm+Pb	99.50	3.02
2	Inside	2965	4.57	-0.04	-9.81	-1.00	-0.16	2.77	5.28	-0.24	-10.33	15.61	Pm+Pb	99.50	5.38
	Middle	2967	1.06	-0.27	-11.94	-0.71	-0.30	3.57	2.21	-0.50	-12.86	15.07	Pm	69.65	3.62
	Outside	2969	-1.09	0.06	-13.13	-0.31	-0.09	4.20	0.47	-0.19	-14.45	14.92	Pm+Pb	99.50	5.67
3	Inside	3053	6.16	6.36	-5.44	-6.04	-3.45	3.41	13.54	0.22	-6.68	20.22	Pm+Pb	99.50	3.92
	Middle	3052	0.46	0.57	-9.39	-0.24	-4.34	4.35	3.65	0.28	-12.28	15.94	Pm	69.65	3.37
	Outside	3051	-3.67	-3.64	-12.50	3.92	-5.31	5.28	0.27	-2.15	-17.92	18.19	Pm+Pb	99.50	4.47
4	Inside	11529	0.04	6.89	-4.40	-1.06	-6.19	0.27	9.74	-0.07	-7.14	16.88	Pm+Pb	99.50	4.89
	Middle	11531	-0.38	0.80	-5.60	-0.64	-8.58	0.18	6.81	-0.43	-11.57	18.38	Pm	69.65	2.79
	Outside	11533	-0.60	-4.13	-6.43	-0.15	-10.95	0.71	5.79	-0.64	-16.30	22.08	Pm+Pb	99.50	3.51
5	Inside	11312	-0.04	-2.72	-2.29	0.04	-10.06	-0.38	7.56	-0.04	-12.57	20.13	Pm+Pb	99.50	3.94
	Middle	11319	-0.02	0.64	1.79	0.04	-11.02	-0.37	12.25	-0.02	-9.82	22.08	Pm	69.65	2.16
	Outside	11326	0.02	4.00	5.84	0.05	-11.96	-0.34	16.92	0.02	-7.08	24.01	Pm+Pb	99.50	3.14
6	Inside	28657	0.13	4.22	7.44	0.45	-15.01	-0.96	20.97	0.09	-9.28	30.24	Pm+Pb	99.50	2.29
	Middle	28659	-0.34	-0.05	9.38	0.22	-11.77	-0.87	17.38	-0.37	-8.02	25.40	Pm	69.65	1.74
	Outside	28661	-0.73	-3.28	11.59	0.05	-8.68	-0.57	15.60	-0.75	-7.28	22.88	Pm+Pb	99.50	3.35
7	Inside	20181	-2.20	-1.35	7.92	-1.24	-13.68	-14.00	22.77	-0.52	-17.88	40.66	Pm+Pb	99.50	1.45
	Middle	20180	-0.51	0.29	10.01	0.16	-6.85	-7.13	16.10	-0.23	-6.08	22.18	Pm	69.65	2.14
	Outside	20179	0.88	1.63	12.32	1.09	-1.57	-1.57	12.80	1.95	0.09	12.71	Pm+Pb	99.50	6.83
8	Inside	20093	-6.44	-0.68	9.41	-1.05	-1.24	-18.30	21.44	-0.55	-18.59	40.03	Pm+Pb	99.50	1.49
	Middle	20095	-1.25	0.07	8.90	-0.68	-1.19	-4.86	10.92	0.33	-3.53	14.46	Pm	69.65	3.82
	Outside	20097	2.26	-0.25	7.27	-0.14	0.08	7.76	12.92	-0.24	-3.39	16.31	Pm+Pb	99.50	5.10
9	Inside	19876	2.65	-0.52	20.27	0.06	-2.71	-1.27	20.70	2.56	-0.87	21.58	Pm+Pb	99.50	3.61
	Middle	19883	-2.87	-0.48	9.14	0.11	-2.81	-0.27	9.91	-1.24	-2.88	12.79	Pm	69.65	4.45
	Outside	19890	-8.65	-0.77	-2.60	-0.29	-2.36	0.44	0.88	-4.21	-8.68	9.56	Pm+Pb	99.50	9.41

TABLE 2.10.6-174 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-14.77	-0.32	-28.59	-0.12	0.04	0.22	-0.32	-14.77	-28.59	28.27	Pm+Pb	99.50	2.52
	Middle	2944	-0.37	-0.21	-25.88	-0.09	0.02	0.25	-0.17	-0.41	-25.88	25.72	Pm	69.65	1.71
	Outside	2951	13.98	-0.10	-23.16	-0.08	0.02	0.27	13.98	-0.10	-23.16	37.14	Pm+Pb	99.50	1.68
2	Inside	3019	-8.38	-0.70	-27.48	-0.09	-0.15	2.93	-0.70	-7.94	-27.92	27.23	Pm+Pb	99.50	2.65
	Middle	3021	0.15	-0.46	-26.44	-0.49	-0.15	3.39	0.78	-0.67	-26.86	27.64	Pm	69.65	1.52
	Outside	3023	7.43	-0.22	-25.73	-0.81	-0.16	3.86	7.96	-0.31	-26.17	34.13	Pm+Pb	99.50	1.92
3	Inside	3188	-0.30	1.07	-22.49	-0.77	-3.32	3.31	2.23	-0.56	-23.39	25.62	Pm+Pb	99.50	2.88
	Middle	3187	-0.35	0.69	-23.88	-0.38	-3.60	3.58	1.70	-0.35	-24.89	26.59	Pm	69.65	1.62
	Outside	3186	-0.37	0.41	-25.20	-0.08	-3.91	3.89	1.35	-0.17	-26.36	27.71	Pm+Pb	99.50	2.59
4	Inside	11583	0.06	6.94	-14.46	-0.32	-5.65	0.30	8.36	0.05	-15.86	24.22	Pm+Pb	99.50	3.11
	Middle	11585	0.10	1.04	-16.59	0.01	-6.32	0.30	3.08	0.10	-18.63	21.71	Pm	69.65	2.21
	Outside	11587	0.13	-3.91	-18.43	0.27	-7.02	0.31	0.16	-1.08	-21.27	21.43	Pm+Pb	99.50	3.64
5	Inside	11501	-0.05	13.30	4.05	0.40	-7.02	-0.04	17.08	0.33	-0.12	17.20	Pm+Pb	99.50	4.78
	Middle	11508	-0.04	2.37	-0.22	0.40	-7.29	-0.04	8.49	-0.04	-6.35	14.84	Pm	69.65	3.69
	Outside	11515	-0.03	-8.56	-4.50	0.40	-7.58	-0.04	1.37	-0.08	-14.38	15.75	Pm+Pb	99.50	5.32
6	Inside	28711	0.99	35.06	26.49	2.65	-7.55	-0.38	39.61	22.15	0.78	38.83	Pm+Pb	99.50	1.56
	Middle	28713	0.76	2.12	15.75	0.67	-5.96	-0.34	18.01	0.98	-0.36	18.37	Pm	69.65	2.79
	Outside	28715	0.56	-25.05	6.72	-0.88	-4.57	-0.30	7.37	0.59	-25.73	33.10	Pm+Pb	99.50	2.01
7	Inside	20316	12.62	16.24	31.01	13.53	-4.84	-4.82	36.52	22.58	0.77	35.75	Pm+Pb	99.50	1.78
	Middle	20315	-0.33	2.46	24.30	0.26	-3.17	-3.13	25.14	2.02	-0.73	25.88	Pm	69.65	1.69
	Outside	20314	-9.40	-7.27	19.93	-9.08	-1.79	-1.75	20.09	0.80	-17.64	37.73	Pm+Pb	99.50	1.64
8	Inside	20147	-7.15	-0.57	22.69	2.15	-0.22	-4.65	23.41	-0.03	-8.42	31.83	Pm+Pb	99.50	2.13
	Middle	20149	1.83	-0.39	28.14	2.33	-0.20	-3.02	28.49	3.02	-1.93	30.42	Pm	69.65	1.29
	Outside	20151	10.32	-0.09	33.46	2.47	-0.17	-1.57	33.57	10.77	-0.64	34.21	Pm+Pb	99.50	1.91
9	Inside	20065	-44.50	-0.53	10.01	0.30	-0.03	-0.31	10.01	-0.53	-44.50	54.51	Pm+Pb	99.50	0.83
	Middle	20072	2.27	-0.41	27.45	0.29	-0.04	-0.23	27.45	2.30	-0.44	27.89	Pm	69.65	1.50
	Outside	20079	48.97	-0.29	44.83	0.29	-0.04	-0.15	48.97	44.82	-0.29	49.26	Pm+Pb	99.50	1.02

**TABLE 2.10.6-175 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-16.26	-0.29	-33.82	-0.11	0.01	0.14	-0.29	-16.26	-33.82	33.53	Pm+Pb	99.50	1.97
	Middle	3406	-0.51	-0.19	-30.95	-0.08	0.02	0.17	-0.17	-0.53	-30.95	30.77	Pm	69.65	1.26
	Outside	3413	15.18	-0.10	-28.11	-0.07	0.01	0.20	15.19	-0.10	-28.11	43.30	Pm+Pb	99.50	1.30
2	Inside	3481	-10.22	-0.94	-32.90	-0.05	-0.11	2.01	-0.94	-10.05	-33.08	32.14	Pm+Pb	99.50	2.10
	Middle	3483	0.16	-0.62	-31.61	-0.55	-0.12	2.34	0.58	-0.87	-31.79	32.37	Pm	69.65	1.15
	Outside	3485	8.98	-0.30	-30.83	-0.93	-0.12	2.67	9.25	-0.39	-31.01	40.25	Pm+Pb	99.50	1.47
3	Inside	3650	-0.43	1.22	-26.76	-0.79	-2.42	2.38	1.89	-0.69	-27.17	29.06	Pm+Pb	99.50	2.42
	Middle	3649	-0.41	0.85	-28.33	-0.44	-2.47	2.43	1.33	-0.47	-28.74	30.06	Pm	69.65	1.32
	Outside	3648	-0.37	0.57	-29.89	-0.16	-2.57	2.52	0.91	-0.29	-30.31	31.22	Pm+Pb	99.50	2.19
4	Inside	12045	0.09	8.32	-17.15	-0.37	-4.15	0.20	9.00	0.07	-17.81	26.80	Pm+Pb	99.50	2.71
	Middle	12047	0.12	1.21	-19.44	0.02	-4.28	0.20	2.07	0.13	-20.29	22.36	Pm	69.65	2.11
	Outside	12049	0.16	-4.76	-21.40	0.34	-4.45	0.20	0.19	-3.67	-22.52	22.71	Pm+Pb	99.50	3.38
5	Inside	11963	-0.05	15.31	4.25	0.40	-4.81	-0.01	17.12	2.46	-0.06	17.18	Pm+Pb	99.50	4.79
	Middle	11970	-0.04	2.63	0.07	0.40	-4.83	-0.01	6.36	-0.04	-3.66	10.02	Pm	69.65	5.95
	Outside	11977	-0.03	-10.05	-4.11	0.40	-4.84	-0.01	0.01	-1.43	-12.77	12.78	Pm+Pb	99.50	6.79
6	Inside	29173	1.04	36.68	30.18	2.70	-4.57	-0.22	39.20	27.86	0.84	38.36	Pm+Pb	99.50	1.59
	Middle	29175	0.79	2.17	19.48	0.64	-3.89	-0.20	20.32	1.71	0.42	19.90	Pm	69.65	2.50
	Outside	29177	0.58	-26.32	10.60	-0.98	-3.31	-0.18	10.90	0.62	-26.65	37.55	Pm+Pb	99.50	1.65
7	Inside	20778	12.55	16.41	35.31	13.57	-2.77	-2.75	37.03	26.46	0.77	36.25	Pm+Pb	99.50	1.74
	Middle	20777	-0.45	2.52	28.76	0.22	-2.09	-2.07	29.07	2.36	-0.59	29.67	Pm	69.65	1.35
	Outside	20776	-9.53	-7.28	24.61	-9.15	-1.55	-1.52	24.73	0.81	-17.73	42.46	Pm+Pb	99.50	1.34
8	Inside	20609	-8.62	-0.60	26.89	2.10	-0.13	-2.52	27.07	-0.10	-9.30	36.37	Pm+Pb	99.50	1.74
	Middle	20611	1.68	-0.42	32.42	2.35	-0.12	-1.95	32.55	3.11	-1.97	34.51	Pm	69.65	1.02
	Outside	20613	11.30	-0.11	37.80	2.55	-0.11	-1.46	37.88	11.76	-0.65	38.54	Pm+Pb	99.50	1.58
9	Inside	20527	-46.69	-0.53	14.72	0.30	-0.01	-0.17	14.72	-0.52	-46.70	61.42	Pm+Pb	99.50	0.62
	Middle	20534	1.91	-0.41	31.91	0.30	-0.01	-0.14	31.91	1.94	-0.44	32.36	Pm	69.65	1.15
	Outside	20541	50.46	-0.29	49.10	0.29	-0.02	-0.12	50.48	49.09	-0.29	50.77	Pm+Pb	99.50	0.96

**TABLE 2.10.6-176 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION E**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-17.84	-0.43	-38.33	-0.15	0.00	0.00	-0.42	-17.84	-38.33	37.91	Pm+Pb	99.50	1.62
	Middle	3868	-0.51	-0.27	-35.22	-0.11	0.00	0.00	-0.23	-0.55	-35.22	34.99	Pm	69.65	0.99
	Outside	3875	16.75	-0.13	-32.13	-0.09	0.00	0.00	16.75	-0.13	-32.13	48.88	Pm+Pb	99.50	1.04
2	Inside	3943	-11.08	-1.12	-37.17	-0.09	0.00	0.00	-1.12	-11.08	-37.17	36.05	Pm+Pb	99.50	1.76
	Middle	3945	0.20	-0.74	-35.87	-0.62	0.00	-0.01	0.51	-1.05	-35.87	36.39	Pm	69.65	0.91
	Outside	3947	9.79	-0.36	-35.10	-1.04	0.00	-0.02	9.90	-0.47	-35.10	45.00	Pm+Pb	99.50	1.21
3	Inside	4112	-0.14	1.68	-29.99	-1.15	0.00	0.01	2.24	-0.70	-29.99	32.23	Pm+Pb	99.50	2.09
	Middle	4111	-0.45	0.94	-31.92	-0.45	0.01	0.00	1.08	-0.58	-31.92	33.00	Pm	69.65	1.11
	Outside	4110	-0.65	0.39	-33.79	0.08	0.01	-0.01	0.39	-0.65	-33.79	34.18	Pm+Pb	99.50	1.91
4	Inside	12507	0.11	9.53	-19.16	-0.45	0.00	0.00	9.55	0.09	-19.16	28.71	Pm+Pb	99.50	2.47
	Middle	12509	0.15	1.25	-21.71	0.02	0.01	0.00	1.25	0.15	-21.71	22.96	Pm	69.65	2.03
	Outside	12511	0.19	-5.70	-23.85	0.38	0.01	0.00	0.21	-5.73	-23.85	24.07	Pm+Pb	99.50	3.13
5	Inside	12425	-0.05	16.15	4.55	0.39	0.02	0.00	16.16	4.55	-0.06	16.21	Pm+Pb	99.50	5.14
	Middle	12432	-0.04	2.67	0.40	0.39	0.01	0.00	2.72	0.40	-0.10	2.82	Pm	69.65	23.74
	Outside	12439	-0.03	-10.81	-3.76	0.39	0.01	0.00	-0.02	-3.76	-10.83	10.81	Pm+Pb	99.50	8.20
6	Inside	29635	1.05	36.90	32.88	2.69	0.02	0.00	37.10	32.88	0.85	36.25	Pm+Pb	99.50	1.74
	Middle	29637	0.80	2.17	22.32	0.62	0.02	0.00	22.32	2.40	0.56	21.77	Pm	69.65	2.20
	Outside	29639	0.58	-26.53	13.59	-1.00	0.01	0.00	13.59	0.62	-26.57	40.16	Pm+Pb	99.50	1.48
7	Inside	21240	12.42	16.31	38.64	13.50	0.01	0.02	38.64	28.00	0.73	37.91	Pm+Pb	99.50	1.62
	Middle	21239	-0.46	2.53	32.37	0.24	0.01	0.01	32.37	2.55	-0.48	32.85	Pm	69.65	1.12
	Outside	21238	-9.47	-7.21	28.44	-9.07	0.00	0.01	28.44	0.80	-17.48	45.92	Pm+Pb	99.50	1.17
8	Inside	21071	-9.05	-0.62	30.37	2.08	0.00	0.01	30.37	-0.13	-9.53	39.90	Pm+Pb	99.50	1.49
	Middle	21073	1.71	-0.43	36.07	2.36	0.00	0.01	36.07	3.23	-1.95	38.02	Pm	69.65	0.83
	Outside	21075	11.71	-0.12	41.58	2.57	0.00	0.01	41.58	12.25	-0.65	42.23	Pm+Pb	99.50	1.36
9	Inside	20989	-47.32	-0.53	18.26	0.30	0.00	0.00	18.26	-0.52	-47.32	65.58	Pm+Pb	99.50	0.52
	Middle	20996	1.92	-0.41	35.50	0.30	0.00	0.00	35.50	1.95	-0.45	35.95	Pm	69.65	0.94
	Outside	21003	51.10	-0.29	52.73	0.29	0.00	0.00	52.73	51.10	-0.29	53.02	Pm+Pb	99.50	0.88

TABLE 2.10.6-177 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	-0.41	3.65	5.65	1.09	2.68	-0.29	7.53	2.21	-0.85	8.39	Pm+Pb	100.00	10.92
	Middle	1390	6.28	1.65	2.94	0.28	1.89	0.53	6.45	4.13	0.29	6.16	Pm	70.00	10.37
	Outside	1397	13.56	0.22	0.77	0.14	1.71	1.28	13.70	2.13	-1.27	14.97	Pm+Pb	100.00	5.68
2	Inside	1417	5.19	0.08	3.30	-0.85	0.13	-1.17	5.87	2.76	-0.06	5.93	Pm+Pb	100.00	15.86
	Middle	1419	2.18	-0.14	1.54	-0.41	-0.21	1.54	3.49	0.31	-0.22	3.71	Pm	70.00	17.87
	Outside	1421	-0.63	-0.22	-0.54	-0.11	-0.48	3.84	3.30	-0.26	-4.44	7.74	Pm+Pb	100.00	11.91
3	Inside	1466	3.68	3.00	3.43	-3.17	-2.84	2.24	8.88	1.32	-0.08	8.96	Pm+Pb	100.00	10.16
	Middle	1465	0.61	0.24	2.67	0.22	-3.00	2.43	5.48	0.68	-2.64	8.12	Pm	70.00	7.62
	Outside	1464	-1.84	-1.76	2.04	2.60	-3.18	2.73	4.12	0.78	-6.46	10.58	Pm+Pb	100.00	8.45
4	Inside	9981	0.13	2.94	6.03	-1.16	-7.39	0.73	12.17	0.05	-3.13	15.31	Pm+Pb	100.00	5.53
	Middle	9983	-0.14	-0.35	5.17	-0.54	-6.05	0.56	9.12	-0.20	-4.24	13.36	Pm	70.00	4.24
	Outside	9985	-0.16	-3.37	4.33	-0.03	-4.92	0.31	6.75	-0.17	-5.77	12.51	Pm+Pb	100.00	6.99
5	Inside	9947	0.08	-2.62	7.94	-0.72	-7.89	0.88	12.25	-0.01	-6.84	19.09	Pm+Pb	100.00	4.24
	Middle	9954	-0.18	0.15	8.20	-0.44	-7.92	0.69	13.11	-0.23	-4.71	17.82	Pm	70.00	2.93
	Outside	9961	-0.36	3.00	8.57	-0.19	-8.18	0.55	14.44	-0.37	-2.87	17.31	Pm+Pb	100.00	4.78
6	Inside	27109	-0.03	-3.86	10.51	-0.54	-6.21	0.21	12.83	-0.01	-6.20	19.03	Pm+Pb	100.00	4.26
	Middle	27111	0.24	-3.10	10.19	-0.22	-5.10	0.11	11.93	0.24	-4.84	16.76	Pm	70.00	3.18
	Outside	27113	0.42	-2.51	10.19	-0.12	-4.44	-0.20	11.59	0.43	-3.92	15.51	Pm+Pb	100.00	5.45
7	Inside	18594	-6.03	-5.56	8.24	-4.52	-2.06	-0.84	8.55	-1.35	-10.54	19.09	Pm+Pb	100.00	4.24
	Middle	18593	-2.31	-2.23	7.81	0.25	-2.02	-1.08	8.32	-2.42	-2.63	10.95	Pm	70.00	5.39
	Outside	18592	0.30	-0.57	6.95	3.14	-2.00	-1.31	8.04	1.99	-3.35	11.39	Pm+Pb	100.00	7.78
8	Inside	18545	-9.64	-4.97	7.98	-2.45	-0.09	3.46	8.66	-4.08	-11.21	19.87	Pm+Pb	100.00	4.03
	Middle	18547	-6.05	-2.20	5.80	-1.67	0.12	-1.59	6.03	-1.63	-6.84	12.87	Pm	70.00	4.44
	Outside	18549	-2.79	-0.41	3.37	-1.11	-0.52	-5.93	6.97	-0.17	-6.62	13.60	Pm+Pb	100.00	6.35
9	Inside	18511	2.67	2.57	18.70	-0.82	-0.73	-0.84	18.77	3.44	1.73	17.04	Pm+Pb	100.00	4.87
	Middle	18518	-9.83	2.62	5.86	0.99	0.43	-0.11	5.91	2.64	-9.91	15.82	Pm	70.00	3.42
	Outside	18525	-21.60	3.32	-5.51	1.64	0.62	0.13	3.47	-5.55	-21.71	25.18	Pm+Pb	100.00	2.97

TABLE 2.10.6-178 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-15.88	-1.55	-11.81	-0.63	-0.21	0.41	-1.52	-11.77	-15.94	14.43	Pm+Pb	100.00	5.93
	Middle	2755	1.55	-0.90	-6.20	-0.60	-0.15	0.36	1.71	-1.04	-6.22	7.93	Pm	70.00	7.83
	Outside	2762	18.57	-0.18	-0.74	-0.70	-0.24	0.40	18.60	-0.13	-0.83	19.44	Pm+Pb	100.00	4.15
2	Inside	2965	4.57	-0.04	-4.41	-1.00	-0.16	2.77	5.54	-0.22	-5.20	10.74	Pm+Pb	100.00	8.31
	Middle	2967	1.06	-0.27	-6.54	-0.71	-0.30	3.57	2.67	-0.47	-7.96	10.63	Pm	70.00	5.58
	Outside	2969	-1.09	0.06	-7.73	-0.31	-0.09	4.20	1.04	-0.04	-9.76	10.80	Pm+Pb	100.00	8.26
3	Inside	3053	6.16	6.36	-0.04	-6.04	-3.45	3.41	13.98	0.22	-1.72	15.70	Pm+Pb	100.00	5.37
	Middle	3052	0.46	0.57	-3.99	-0.24	-4.34	4.35	4.97	0.28	-8.20	13.17	Pm	70.00	4.31
	Outside	3051	-3.67	-3.64	-7.10	3.92	-5.31	5.28	0.27	0.15	-14.83	15.10	Pm+Pb	100.00	5.62
4	Inside	11529	0.04	6.89	1.00	-1.06	-6.19	0.27	10.90	-0.02	-2.95	13.85	Pm+Pb	100.00	6.22
	Middle	11531	-0.38	0.80	-0.20	-0.64	-8.58	0.18	8.93	-0.40	-8.31	17.25	Pm	70.00	3.06
	Outside	11533	-0.60	-4.13	-1.03	-0.15	-10.95	0.71	8.52	-0.64	-13.65	22.17	Pm+Pb	100.00	3.51
5	Inside	11312	-0.04	-2.72	3.11	0.04	-10.06	-0.38	10.67	-0.04	-10.28	20.96	Pm+Pb	100.00	3.77
	Middle	11319	-0.02	0.64	7.19	0.04	-11.02	-0.37	15.41	-0.02	-7.58	23.00	Pm	70.00	2.04
	Outside	11326	0.02	4.00	11.24	0.05	-11.96	-0.34	20.12	0.02	-4.89	25.01	Pm+Pb	100.00	3.00
6	Inside	28657	0.13	4.22	12.84	0.45	-15.01	-0.96	24.18	0.09	-7.09	31.28	Pm+Pb	100.00	2.20
	Middle	28659	-0.34	-0.05	14.78	0.22	-11.77	-0.87	21.31	-0.37	-6.55	27.86	Pm	70.00	1.51
	Outside	28661	-0.73	-3.28	16.99	0.05	-8.68	-0.57	20.21	-0.75	-6.49	26.71	Pm+Pb	100.00	2.74
7	Inside	20181	-2.20	-1.35	13.32	-1.24	-13.68	-14.00	26.36	-0.52	-16.07	42.43	Pm+Pb	100.00	1.36
	Middle	20180	-0.51	0.29	15.41	0.16	-6.85	-7.13	20.25	-0.22	-4.84	25.09	Pm	70.00	1.79
	Outside	20179	0.88	1.63	17.72	1.09	-1.57	-1.57	18.04	2.10	0.09	17.94	Pm+Pb	100.00	4.57
8	Inside	20093	-6.44	-0.68	14.81	-1.05	-1.24	-18.30	25.36	-0.55	-17.12	42.47	Pm+Pb	100.00	1.35
	Middle	20095	-1.25	0.07	14.30	-0.68	-1.19	-4.86	15.76	0.33	-2.97	18.73	Pm	70.00	2.74
	Outside	20097	2.26	-0.25	12.67	-0.14	0.08	7.76	16.81	-0.23	-1.89	18.70	Pm+Pb	100.00	4.35
9	Inside	19876	2.65	-0.52	25.67	0.06	-2.71	-1.27	26.01	2.58	-0.80	26.81	Pm+Pb	100.00	2.73
	Middle	19883	-2.87	-0.48	14.54	0.11	-2.81	-0.27	15.05	-0.98	-2.88	17.93	Pm	70.00	2.90
	Outside	19890	-8.65	-0.77	2.80	-0.29	-2.36	0.44	4.00	-1.94	-8.67	12.67	Pm+Pb	100.00	6.89

**TABLE 2.10.6-179 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION C**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-14.77	-0.32	-23.19	-0.12	0.04	0.22	-0.32	-14.77	-23.19	22.87	Pm+Pb	100.00	3.37
	Middle	2944	-0.37	-0.21	-20.48	-0.09	0.02	0.25	-0.17	-0.41	-20.48	20.32	Pm	70.00	2.45
	Outside	2951	13.98	-0.10	-17.76	-0.08	0.02	0.27	13.98	-0.10	-17.76	31.74	Pm+Pb	100.00	2.15
2	Inside	3019	-8.38	-0.70	-22.08	-0.09	-0.15	2.93	-0.70	-7.78	-22.69	21.99	Pm+Pb	100.00	3.55
	Middle	3021	0.15	-0.46	-21.04	-0.49	-0.15	3.39	0.87	-0.66	-21.57	22.44	Pm	70.00	2.12
	Outside	3023	7.43	-0.22	-20.33	-0.81	-0.16	3.86	8.04	-0.31	-20.85	28.89	Pm+Pb	100.00	2.46
3	Inside	3188	-0.30	1.07	-17.09	-0.77	-3.32	3.31	2.45	-0.54	-18.23	20.68	Pm+Pb	100.00	3.84
	Middle	3187	-0.35	0.69	-18.48	-0.38	-3.60	3.58	1.94	-0.33	-19.75	21.69	Pm	70.00	2.23
	Outside	3186	-0.37	0.41	-19.80	-0.08	-3.91	3.89	1.61	-0.15	-21.23	22.85	Pm+Pb	100.00	3.38
4	Inside	11583	0.06	6.94	-9.06	-0.32	-5.65	0.30	8.75	0.05	-10.85	19.61	Pm+Pb	100.00	4.10
	Middle	11585	0.10	1.04	-11.19	0.01	-6.32	0.30	3.73	0.10	-13.88	17.61	Pm	70.00	2.98
	Outside	11587	0.13	-3.91	-13.03	0.27	-7.02	0.31	0.17	-0.13	-16.84	17.02	Pm+Pb	100.00	4.88
5	Inside	11501	-0.05	13.30	9.45	0.40	-7.02	-0.04	18.66	4.11	-0.06	18.72	Pm+Pb	100.00	4.34
	Middle	11508	-0.04	2.37	5.18	0.40	-7.29	-0.04	11.21	-0.02	-3.68	14.89	Pm	70.00	3.70
	Outside	11515	-0.03	-8.56	0.90	0.40	-7.58	-0.04	5.11	-0.03	-12.77	17.88	Pm+Pb	100.00	4.59
6	Inside	28711	0.99	35.06	31.89	2.65	-7.55	-0.38	41.32	25.84	0.79	40.53	Pm+Pb	100.00	1.47
	Middle	28713	0.76	2.12	21.15	0.67	-5.96	-0.34	22.88	1.15	0.00	22.88	Pm	70.00	2.06
	Outside	28715	0.56	-25.05	12.12	-0.88	-4.57	-0.30	12.68	0.59	-25.63	38.31	Pm+Pb	100.00	1.61
7	Inside	20316	12.62	16.24	36.41	13.53	-4.84	-4.82	40.24	24.26	0.77	39.47	Pm+Pb	100.00	1.53
	Middle	20315	-0.33	2.46	29.70	0.26	-3.17	-3.13	30.39	2.10	-0.66	31.05	Pm	70.00	1.25
	Outside	20314	-9.40	-7.27	25.33	-9.08	-1.79	-1.75	25.47	0.80	-17.62	43.09	Pm+Pb	100.00	1.32
8	Inside	20147	-7.15	-0.57	28.09	2.15	-0.22	-4.65	28.70	-0.01	-8.33	37.03	Pm+Pb	100.00	1.70
	Middle	20149	1.83	-0.39	33.54	2.33	-0.20	-3.02	33.83	3.07	-1.92	35.75	Pm	70.00	0.96
	Outside	20151	10.32	-0.09	38.86	2.47	-0.17	-1.57	38.95	10.79	-0.64	39.59	Pm+Pb	100.00	1.53
9	Inside	20065	-44.50	-0.53	15.41	0.30	-0.03	-0.31	15.41	-0.53	-44.50	59.91	Pm+Pb	100.00	0.67
	Middle	20072	2.27	-0.41	32.85	0.29	-0.04	-0.23	32.85	2.30	-0.44	33.29	Pm	70.00	1.10
	Outside	20079	48.97	-0.29	50.23	0.29	-0.04	-0.15	50.25	48.95	-0.29	50.54	Pm+Pb	100.00	0.98

TABLE 2.10.6-180 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-16.26	-0.29	-28.42	-0.11	0.01	0.14	-0.29	-16.26	-28.42	28.13	Pm+Pb	100.00	2.56
	Middle	3406	-0.51	-0.19	-25.55	-0.08	0.02	0.17	-0.17	-0.53	-25.55	25.37	Pm	70.00	1.76
	Outside	3413	15.18	-0.10	-22.71	-0.07	0.01	0.20	15.19	-0.10	-22.71	37.90	Pm+Pb	100.00	1.64
2	Inside	3481	-10.22	-0.94	-27.50	-0.05	-0.11	2.01	-0.94	-9.99	-27.73	26.79	Pm+Pb	100.00	2.73
	Middle	3483	0.16	-0.62	-26.21	-0.55	-0.12	2.34	0.61	-0.87	-26.42	27.03	Pm	70.00	1.59
	Outside	3485	8.98	-0.30	-25.43	-0.93	-0.12	2.67	9.27	-0.39	-25.63	34.91	Pm+Pb	100.00	1.86
3	Inside	3650	-0.43	1.22	-21.36	-0.79	-2.42	2.38	1.97	-0.68	-21.87	23.83	Pm+Pb	100.00	3.20
	Middle	3649	-0.41	0.85	-22.93	-0.44	-2.47	2.43	1.40	-0.46	-23.43	24.83	Pm	70.00	1.82
	Outside	3648	-0.37	0.57	-24.49	-0.16	-2.57	2.52	0.98	-0.28	-25.00	25.99	Pm+Pb	100.00	2.85
4	Inside	12045	0.09	8.32	-11.75	-0.37	-4.15	0.20	9.16	0.07	-12.57	21.73	Pm+Pb	100.00	3.60
	Middle	12047	0.12	1.21	-14.04	0.02	-4.28	0.20	2.34	0.13	-15.16	17.50	Pm	70.00	3.00
	Outside	12049	0.16	-4.76	-16.00	0.34	-4.45	0.20	0.19	-3.23	-17.56	17.74	Pm+Pb	100.00	4.64
5	Inside	11963	-0.05	15.31	9.65	0.40	-4.81	-0.01	18.07	6.91	-0.06	18.13	Pm+Pb	100.00	4.52
	Middle	11970	-0.04	2.63	5.47	0.40	-4.83	-0.01	9.09	0.05	-1.08	10.17	Pm	70.00	5.88
	Outside	11977	-0.03	-10.05	1.29	0.40	-4.84	-0.01	3.09	-0.03	-11.85	14.93	Pm+Pb	100.00	5.70
6	Inside	29173	1.04	36.68	35.58	2.70	-4.57	-0.22	40.85	31.61	0.84	40.01	Pm+Pb	100.00	1.50
	Middle	29175	0.79	2.17	24.88	0.64	-3.89	-0.20	25.53	1.86	0.46	25.07	Pm	70.00	1.79
	Outside	29177	0.58	-26.32	16.00	-0.98	-3.31	-0.18	16.26	0.62	-26.62	42.88	Pm+Pb	100.00	1.33
7	Inside	20778	12.55	16.41	40.71	13.57	-2.77	-2.75	41.82	27.07	0.77	41.05	Pm+Pb	100.00	1.44
	Middle	20777	-0.45	2.52	34.16	0.22	-2.09	-2.07	34.42	2.39	-0.57	35.00	Pm	70.00	1.00
	Outside	20776	-9.53	-7.28	30.01	-9.15	-1.55	-1.52	30.11	0.81	-17.72	47.84	Pm+Pb	100.00	1.09
8	Inside	20609	-8.62	-0.60	32.29	2.10	-0.13	-2.52	32.45	-0.10	-9.27	41.72	Pm+Pb	100.00	1.40
	Middle	20611	1.68	-0.42	37.82	2.35	-0.12	-1.95	37.93	3.12	-1.96	39.89	Pm	70.00	0.75
	Outside	20613	11.30	-0.11	43.20	2.55	-0.11	-1.46	43.27	11.77	-0.65	43.92	Pm+Pb	100.00	1.28
9	Inside	20527	-46.69	-0.53	20.12	0.30	-0.01	-0.17	20.12	-0.52	-46.70	66.82	Pm+Pb	100.00	0.50
	Middle	20534	1.91	-0.41	37.31	0.30	-0.01	-0.14	37.31	1.94	-0.44	37.76	Pm	70.00	0.85
	Outside	20541	50.46	-0.29	54.50	0.29	-0.02	-0.12	54.51	50.46	-0.29	54.80	Pm+Pb	100.00	0.82

TABLE 2.10.6-181 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-17.84	-0.43	-32.93	-0.15	0.00	0.00	-0.42	-17.84	-32.93	32.51	Pm+Pb	100.00	2.08
	Middle	3868	-0.51	-0.27	-29.82	-0.11	0.00	0.00	-0.23	-0.55	-29.82	29.59	Pm	70.00	1.37
	Outside	3875	16.75	-0.13	-26.73	-0.09	0.00	0.00	16.75	-0.13	-26.73	43.48	Pm+Pb	100.00	1.30
2	Inside	3943	-11.08	-1.12	-31.77	-0.09	0.00	0.00	-1.12	-11.08	-31.77	30.65	Pm+Pb	100.00	2.26
	Middle	3945	0.20	-0.74	-30.47	-0.62	0.00	-0.01	0.51	-1.05	-30.47	30.99	Pm	70.00	1.26
	Outside	3947	9.79	-0.36	-29.70	-1.04	0.00	-0.02	9.90	-0.47	-29.70	39.60	Pm+Pb	100.00	1.53
3	Inside	4112	-0.14	1.68	-24.59	-1.15	0.00	0.01	2.24	-0.70	-24.59	26.83	Pm+Pb	100.00	2.73
	Middle	4111	-0.45	0.94	-26.52	-0.45	0.01	0.00	1.08	-0.58	-26.52	27.60	Pm	70.00	1.54
	Outside	4110	-0.65	0.39	-28.39	0.08	0.01	-0.01	0.39	-0.65	-28.39	28.78	Pm+Pb	100.00	2.47
4	Inside	12507	0.11	9.53	-13.76	-0.45	0.00	0.00	9.55	0.09	-13.76	23.31	Pm+Pb	100.00	3.29
	Middle	12509	0.15	1.25	-16.31	0.02	0.01	0.00	1.25	0.15	-16.31	17.56	Pm	70.00	2.99
	Outside	12511	0.19	-5.70	-18.45	0.38	0.01	0.00	0.21	-5.73	-18.45	18.67	Pm+Pb	100.00	4.36
5	Inside	12425	-0.05	16.15	9.95	0.39	0.02	0.00	16.16	9.95	-0.06	16.21	Pm+Pb	100.00	5.17
	Middle	12432	-0.04	2.67	5.80	0.39	0.01	0.00	5.80	2.72	-0.10	5.89	Pm	70.00	10.87
	Outside	12439	-0.03	-10.81	1.64	0.39	0.01	0.00	1.64	-0.02	-10.83	12.47	Pm+Pb	100.00	7.02
6	Inside	29635	1.05	36.90	38.28	2.69	0.02	0.00	38.28	37.10	0.85	37.42	Pm+Pb	100.00	1.67
	Middle	29637	0.80	2.17	27.72	0.62	0.02	0.00	27.72	2.40	0.56	27.17	Pm	70.00	1.58
	Outside	29639	0.58	-26.53	18.99	-1.00	0.01	0.00	18.99	0.62	-26.57	45.56	Pm+Pb	100.00	1.19
7	Inside	21240	12.42	16.31	44.04	13.50	0.01	0.02	44.04	28.00	0.73	43.31	Pm+Pb	100.00	1.31
	Middle	21239	-0.46	2.53	37.77	0.24	0.01	0.01	37.77	2.55	-0.48	38.25	Pm	70.00	0.83
	Outside	21238	-9.47	-7.21	33.84	-9.07	0.00	0.01	33.84	0.80	-17.48	51.32	Pm+Pb	100.00	0.95
8	Inside	21071	-9.05	-0.62	35.77	2.08	0.00	0.01	35.77	-0.13	-9.53	45.30	Pm+Pb	100.00	1.21
	Middle	21073	1.71	-0.43	41.47	2.36	0.00	0.01	41.47	3.23	-1.95	43.42	Pm	70.00	0.61
	Outside	21075	11.71	-0.12	46.98	2.57	0.00	0.01	46.98	12.25	-0.65	47.63	Pm+Pb	100.00	1.10
9	Inside	20989	-47.32	-0.53	23.66	0.30	0.00	0.00	23.66	-0.52	-47.32	70.98	Pm+Pb	100.00	0.41
	Middle	20996	1.92	-0.41	40.90	0.30	0.00	0.00	40.90	1.95	-0.45	41.35	Pm	70.00	0.69
	Outside	21003	51.10	-0.29	58.13	0.29	0.00	0.00	58.13	51.10	-0.29	58.42	Pm+Pb	100.00	0.71

TABLE 2.10.6-182 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	8.06	0.52	-7.16	-0.97	-0.11	0.63	8.21	0.40	-7.19	15.39	Pm+Pb	99.50	5.46
	Middle	10029	-1.43	0.97	-8.75	-0.01	-0.15	0.47	0.97	-1.40	-8.78	9.75	Pm	69.65	6.14
	Outside	10028	-8.78	0.83	-10.96	0.72	-0.04	0.39	0.88	-8.76	-11.03	11.91	Pm+Pb	99.50	7.35
4	Inside	9981	4.16	2.32	-4.59	-2.88	-2.21	3.18	7.50	0.22	-5.83	13.33	Pm+Pb	99.50	6.47
	Middle	9983	0.27	-0.46	-7.04	-0.03	-2.28	2.68	1.51	-0.25	-8.49	10.01	Pm	69.65	5.96
	Outside	9985	-3.32	-2.94	-10.12	2.72	-2.47	2.66	-0.40	-3.78	-12.20	11.80	Pm+Pb	99.50	7.43
5	Inside	1383	0.88	-0.46	-0.43	-0.05	-2.93	4.01	5.04	-0.05	-5.00	10.04	Pm+Pb	99.50	8.91
	Middle	1390	2.61	1.59	-0.90	-2.24	-3.46	4.28	7.86	-0.20	-4.36	12.22	Pm	69.65	4.70
	Outside	1397	4.36	3.68	-1.48	-4.39	-4.01	4.71	11.39	-0.37	-4.47	15.86	Pm+Pb	99.50	5.27
6	Inside	1417	-4.09	-3.41	-0.42	-1.80	-3.73	3.79	4.19	-5.48	-6.63	10.82	Pm+Pb	99.50	8.20
	Middle	1419	-0.48	0.44	2.01	-3.08	-4.98	4.79	9.48	-3.08	-4.43	13.91	Pm	69.65	4.01
	Outside	1421	2.18	3.49	4.05	-3.69	-6.46	5.85	14.13	-0.89	-3.50	17.63	Pm+Pb	99.50	4.64
7	Inside	1466	0.11	0.84	3.81	-0.55	-6.47	0.11	8.98	0.12	-4.34	13.32	Pm+Pb	99.50	6.47
	Middle	1465	0.33	1.79	2.63	-0.20	-5.67	-0.07	7.89	0.34	-3.48	11.37	Pm	69.65	5.12
	Outside	1464	0.70	3.09	2.06	0.28	-5.15	-0.13	7.77	0.69	-2.60	10.36	Pm+Pb	99.50	8.60
8	Inside	18545	-4.71	-4.89	5.46	-0.47	-4.56	-2.46	7.56	-4.35	-7.35	14.91	Pm+Pb	99.50	5.68
	Middle	18547	-1.20	-1.40	3.30	1.00	-3.65	-2.57	6.29	-2.11	-3.48	9.77	Pm	69.65	6.13
	Outside	18549	1.44	1.52	1.13	2.07	-3.29	-2.35	6.53	-0.43	-2.02	8.55	Pm+Pb	99.50	10.64
9	Inside	18511	2.37	0.86	15.45	-0.68	-1.38	1.16	15.69	2.44	0.55	15.14	Pm+Pb	99.50	5.57
	Middle	18518	-1.34	-2.55	4.14	-3.74	-1.91	-1.18	4.65	1.80	-6.21	10.86	Pm	69.65	5.41
	Outside	18525	-4.33	-5.52	-5.86	-6.75	-3.14	-2.95	1.85	-3.58	-13.99	15.84	Pm+Pb	99.50	5.28
10	Inside	27109	-5.37	-0.54	7.04	-3.59	-5.06	-4.59	10.04	0.90	-9.80	19.84	Pm+Pb	99.50	4.01
	Middle	27111	-6.51	-2.88	0.66	-5.82	-0.53	-0.57	1.41	0.69	-10.84	12.25	Pm	69.65	4.69
	Outside	27113	-7.53	-4.27	-5.13	-6.77	2.82	3.18	1.07	-3.27	-14.73	15.81	Pm+Pb	99.50	5.29
11	Inside	27158	-17.15	-2.45	1.69	-2.43	-1.83	-0.79	2.39	-2.69	-17.61	19.99	Pm+Pb	99.50	3.98
	Middle	27157	-8.14	-4.96	-1.31	-1.83	-1.31	0.01	-0.84	-4.56	-9.01	8.17	Pm	69.65	7.52
	Outside	27156	-4.55	-6.95	-5.74	-1.53	-0.99	0.74	-3.30	-6.07	-7.87	4.57	Pm+Pb	99.50	20.77

TABLE 2.10.6-183 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	11.98	0.23	-13.01	-1.15	-0.02	0.29	12.09	0.12	-13.02	25.11	Pm+Pb	99.50	2.96
	Middle	11616	0.36	0.29	-17.67	0.01	0.01	0.34	0.37	0.28	-17.68	18.05	Pm	69.65	2.86
	Outside	11615	-8.02	0.27	-21.47	0.84	-0.02	0.34	0.36	-8.09	-21.48	21.84	Pm+Pb	99.50	3.56
4	Inside	11529	4.41	2.56	-13.16	-3.39	-1.18	1.37	7.16	-0.02	-13.32	20.49	Pm+Pb	99.50	3.86
	Middle	11531	0.70	-0.31	-16.19	-0.53	-1.82	1.81	1.27	-0.49	-16.57	17.84	Pm	69.65	2.90
	Outside	11533	-2.07	-2.15	-18.36	1.81	-2.12	2.69	-0.29	-3.16	-19.13	18.84	Pm+Pb	99.50	4.28
5	Inside	2748	-3.80	-3.96	-10.28	3.93	-2.23	2.31	0.05	-5.61	-12.49	12.54	Pm+Pb	99.50	6.93
	Middle	2755	0.82	0.67	-7.27	-0.67	-3.69	3.72	3.87	0.08	-9.73	13.61	Pm	69.65	4.12
	Outside	2762	5.49	5.35	-4.19	-5.23	-5.14	5.10	13.60	0.20	-7.14	20.74	Pm+Pb	99.50	3.80
6	Inside	2965	0.71	2.60	0.66	-1.90	-6.82	5.69	11.20	-0.38	-6.86	18.05	Pm+Pb	99.50	4.51
	Middle	2967	-0.22	1.25	0.53	-0.83	-7.00	5.87	10.15	-0.42	-8.17	18.32	Pm	69.65	2.80
	Outside	2969	-0.55	0.28	0.75	-0.07	-7.09	6.12	9.76	-0.26	-9.01	18.77	Pm+Pb	99.50	4.30
7	Inside	3053	0.05	8.79	5.58	-0.16	-13.53	-0.37	20.81	0.07	-6.46	27.27	Pm+Pb	99.50	2.65
	Middle	3052	0.12	1.18	4.00	-0.19	-10.46	-0.34	13.15	0.14	-7.98	21.13	Pm	69.65	2.30
	Outside	3051	0.12	-4.19	2.96	-0.21	-8.33	-0.35	8.45	0.13	-9.70	18.15	Pm+Pb	99.50	4.48
8	Inside	20093	-1.05	-0.58	4.80	-0.27	-11.21	-10.52	17.51	-0.56	-13.79	31.30	Pm+Pb	99.50	2.18
	Middle	20095	-0.17	0.41	5.59	0.36	-7.99	-7.24	14.13	-0.26	-8.04	22.17	Pm	69.65	2.14
	Outside	20097	0.62	1.17	6.23	0.91	-4.78	-4.40	10.88	-0.03	-2.84	13.72	Pm+Pb	99.50	6.25
9	Inside	19876	-0.61	-1.69	10.72	-0.75	-9.99	-8.54	18.97	-0.31	-10.23	29.20	Pm+Pb	99.50	2.41
	Middle	19883	-0.63	-1.67	8.07	-0.89	-7.24	-5.96	13.64	-0.16	-7.71	21.35	Pm	69.65	2.26
	Outside	19890	-0.70	-1.62	5.54	-0.98	-4.33	-3.39	8.39	-0.09	-5.09	13.48	Pm+Pb	99.50	6.38
10	Inside	28657	-1.61	-0.25	9.22	-0.64	-1.93	-1.27	9.71	-0.15	-2.20	11.91	Pm+Pb	99.50	7.35
	Middle	28659	-2.02	-0.72	10.27	-1.08	-5.00	-4.41	13.14	-0.28	-5.33	18.47	Pm	69.65	2.77
	Outside	28661	-2.92	-2.18	10.55	-1.38	-7.42	-7.68	16.21	-1.15	-9.62	25.83	Pm+Pb	99.50	2.85
11	Inside	28745	-8.54	-0.75	6.58	-0.85	-0.27	-0.40	6.59	-0.67	-8.64	15.24	Pm+Pb	99.50	5.53
	Middle	28744	-1.33	-0.33	9.89	-0.10	-0.31	-1.05	10.00	-0.33	-1.44	11.44	Pm	69.65	5.09
	Outside	28743	4.07	0.49	13.63	0.69	-0.70	-1.22	13.83	4.01	0.34	13.48	Pm+Pb	99.50	6.38

TABLE 2.10.6-184 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	-1.82	-0.57	-30.38	0.06	0.09	0.12	-0.57	-1.82	-30.38	29.81	Pm+Pb	99.50	2.34
	Middle	11751	0.84	-0.35	-30.93	-0.15	0.08	0.21	0.86	-0.36	-30.93	31.80	Pm	69.65	1.19
	Outside	11750	2.67	-0.16	-31.73	-0.29	0.07	0.28	2.71	-0.19	-31.73	34.44	Pm+Pb	99.50	1.89
4	Inside	11583	-2.11	-2.29	-28.60	1.85	-0.30	0.48	-0.35	-4.04	-28.61	28.26	Pm+Pb	99.50	2.52
	Middle	11585	0.57	-0.07	-28.20	-0.46	-0.99	1.19	0.89	-0.31	-28.28	29.17	Pm	69.65	1.39
	Outside	11587	2.86	1.88	-27.98	-2.44	-1.66	1.86	5.04	-0.12	-28.17	33.21	Pm+Pb	99.50	2.00
5	Inside	2937	-3.86	-3.48	-19.36	3.14	-1.83	1.84	-0.53	-6.30	-19.88	19.35	Pm+Pb	99.50	4.14
	Middle	2944	0.02	0.42	-18.40	-0.59	-2.92	2.90	1.67	-0.38	-19.24	20.92	Pm	69.65	2.33
	Outside	2951	3.87	4.28	-17.45	-4.27	-4.00	3.97	9.52	-0.20	-18.63	28.15	Pm+Pb	99.50	2.53
6	Inside	3019	5.75	9.79	-3.44	-8.01	-4.43	3.87	17.67	-0.47	-5.10	22.77	Pm+Pb	99.50	3.37
	Middle	3021	-0.68	1.31	-9.49	-0.40	-4.52	3.98	3.79	-0.38	-12.27	16.05	Pm	69.65	3.34
	Outside	3023	-5.91	-5.52	-14.67	5.82	-4.67	4.13	0.12	-6.71	-19.53	19.65	Pm+Pb	99.50	4.06
7	Inside	3188	1.02	26.84	5.84	-0.11	-7.85	-0.08	29.45	3.23	1.02	28.43	Pm+Pb	99.50	2.50
	Middle	3187	0.88	0.41	-2.49	-0.10	-6.61	-0.08	5.73	0.89	-7.81	13.54	Pm	69.65	4.14
	Outside	3186	0.77	-18.05	-8.43	-0.09	-5.68	-0.07	0.77	-5.79	-20.69	21.46	Pm+Pb	99.50	3.64
8	Inside	20147	4.08	7.88	7.67	5.84	-6.03	-5.56	18.36	1.75	-0.47	18.83	Pm+Pb	99.50	4.28
	Middle	20149	-0.50	1.81	5.56	0.50	-5.03	-4.62	10.61	0.22	-3.95	14.56	Pm	69.65	3.78
	Outside	20151	-4.09	-2.90	4.16	-3.74	-4.15	-3.77	6.49	0.23	-9.55	16.04	Pm+Pb	99.50	5.20
9	Inside	20065	-5.60	-5.46	13.48	-5.39	-4.93	-4.93	15.33	-0.14	-12.77	28.10	Pm+Pb	99.50	2.54
	Middle	20072	1.03	1.25	18.85	1.26	-4.00	-4.00	20.60	0.66	-0.13	20.74	Pm	69.65	2.36
	Outside	20079	7.65	7.94	24.17	7.89	-3.07	-3.06	26.00	13.86	-0.10	26.10	Pm+Pb	99.50	2.81
10	Inside	28711	2.61	0.04	31.36	1.45	-2.22	-2.32	31.71	2.95	-0.65	32.37	Pm+Pb	99.50	2.07
	Middle	28713	2.21	0.04	32.78	1.21	-1.63	-1.69	32.96	2.59	-0.52	33.48	Pm	69.65	1.08
	Outside	28715	2.10	0.27	34.31	1.19	-1.08	-1.11	34.38	2.62	-0.32	34.70	Pm+Pb	99.50	1.87
11	Inside	28880	10.74	-0.15	37.07	1.02	-0.12	-0.43	37.08	10.83	-0.24	37.32	Pm+Pb	99.50	1.67
	Middle	28879	2.10	0.02	36.76	0.13	-0.12	-0.29	36.76	2.11	0.01	36.75	Pm	69.65	0.90
	Outside	28878	-4.03	0.17	37.13	-0.50	-0.12	-0.18	37.13	0.23	-4.09	41.22	Pm+Pb	99.50	1.41

TABLE 2.10.6-185 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-7.54	-0.89	-36.84	0.57	0.05	0.10	-0.85	-7.59	-36.84	35.99	Pm+Pb	99.50	1.76
	Middle	12213	1.03	-0.59	-35.75	-0.22	0.05	0.16	1.06	-0.62	-35.76	36.81	Pm	69.65	0.89
	Outside	12212	6.99	-0.35	-35.50	-0.76	0.04	0.20	7.06	-0.43	-35.50	42.57	Pm+Pb	99.50	1.34
4	Inside	12045	-4.42	-3.81	-34.10	3.70	-0.26	0.40	-0.40	-7.82	-34.11	33.71	Pm+Pb	99.50	1.95
	Middle	12047	0.40	0.08	-32.68	-0.50	-0.74	0.88	0.81	-0.29	-32.72	33.53	Pm	69.65	1.08
	Outside	12049	4.42	3.37	-31.70	-4.02	-1.21	1.36	8.04	-0.16	-31.78	39.82	Pm+Pb	99.50	1.50
5	Inside	3399	-2.94	-2.50	-21.94	2.76	-1.36	1.31	0.06	-5.28	-22.15	22.21	Pm+Pb	99.50	3.48
	Middle	3406	0.15	0.62	-21.65	-0.39	-2.12	2.08	1.20	-0.05	-22.04	23.24	Pm	69.65	2.00
	Outside	3413	3.26	3.75	-21.33	-3.55	-2.89	2.84	7.63	-0.05	-21.90	29.53	Pm+Pb	99.50	2.37
6	Inside	3481	7.05	11.58	-4.49	-9.51	-3.05	2.68	19.77	-0.46	-5.17	24.94	Pm+Pb	99.50	2.99
	Middle	3483	-0.74	1.37	-11.66	-0.36	-3.13	2.76	2.43	-0.53	-12.93	15.36	Pm	69.65	3.53
	Outside	3485	-7.11	-6.89	-17.83	7.14	-3.25	2.88	0.15	-11.27	-20.70	20.85	Pm+Pb	99.50	3.77
7	Inside	3650	1.24	30.74	6.03	-0.12	-5.33	-0.06	31.84	4.93	1.24	30.60	Pm+Pb	99.50	2.25
	Middle	3649	1.05	0.27	-3.60	-0.11	-4.50	-0.06	3.23	1.05	-6.56	9.80	Pm	69.65	6.11
	Outside	3648	0.89	-21.02	-10.49	-0.10	-3.87	-0.05	0.89	-9.22	-22.29	23.19	Pm+Pb	99.50	3.29
8	Inside	20609	5.17	9.49	8.71	7.11	-4.04	-3.73	17.98	5.54	-0.15	18.13	Pm+Pb	99.50	4.49
	Middle	20611	-0.59	1.93	5.94	0.45	-3.34	-3.06	8.74	0.57	-2.03	10.77	Pm	69.65	5.47
	Outside	20613	-5.13	-4.01	4.04	-4.88	-2.73	-2.47	5.00	0.31	-10.41	15.40	Pm+Pb	99.50	5.46
9	Inside	20527	-5.77	-5.46	16.64	-5.47	-3.25	-3.25	17.38	-0.14	-11.83	29.22	Pm+Pb	99.50	2.41
	Middle	20534	0.93	1.31	22.18	1.24	-2.58	-2.58	22.83	1.73	-0.14	22.97	Pm	69.65	2.03
	Outside	20541	7.61	8.07	27.72	7.94	-1.92	-1.91	28.30	15.20	-0.10	28.40	Pm+Pb	99.50	2.50
10	Inside	29173	0.84	-1.22	36.53	0.02	-1.46	-1.51	36.65	0.78	-1.28	37.93	Pm+Pb	99.50	1.62
	Middle	29175	2.10	0.09	39.05	1.25	-1.04	-1.07	39.11	2.64	-0.51	39.63	Pm	69.65	0.76
	Outside	29177	3.36	1.40	41.59	2.44	-0.66	-0.67	41.61	4.99	-0.25	41.86	Pm+Pb	99.50	1.38
11	Inside	29342	6.84	-0.36	42.57	0.66	-0.08	-0.27	42.58	6.90	-0.42	43.00	Pm+Pb	99.50	1.31
	Middle	29341	2.21	-0.14	43.82	0.17	-0.08	-0.18	43.82	2.22	-0.15	43.97	Pm	69.65	0.58
	Outside	29340	-1.10	0.05	45.46	-0.18	-0.08	-0.11	45.46	0.08	-1.12	46.58	Pm+Pb	99.50	1.14

TABLE 2.10.6-186 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= 200°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-12.19	-1.18	-42.59	0.97	0.01	0.00	-1.10	-12.27	-42.59	41.50	Pm+Pb	99.50	1.40
	Middle	12675	1.15	-0.81	-40.26	-0.28	0.00	0.01	1.19	-0.85	-40.26	41.45	Pm	69.65	0.68
	Outside	12674	10.45	-0.50	-39.18	-1.14	0.00	0.01	10.56	-0.62	-39.18	49.74	Pm+Pb	99.50	1.00
4	Inside	12507	-6.31	-5.07	-39.00	5.25	-0.01	0.01	-0.40	-10.98	-39.00	38.60	Pm+Pb	99.50	1.58
	Middle	12509	0.26	0.17	-36.79	-0.51	-0.02	0.03	0.73	-0.30	-36.79	37.52	Pm	69.65	0.86
	Outside	12511	5.72	4.60	-35.15	-5.32	-0.04	0.04	10.51	-0.19	-35.15	45.66	Pm+Pb	99.50	1.18
5	Inside	3861	-2.70	-2.16	-24.55	2.57	-0.01	0.01	0.16	-5.01	-24.55	24.71	Pm+Pb	99.50	3.03
	Middle	3868	0.10	0.67	-24.39	-0.33	-0.04	0.04	0.82	-0.05	-24.39	25.21	Pm	69.65	1.76
	Outside	3875	2.92	3.52	-24.22	-3.24	-0.07	0.07	6.48	-0.03	-24.22	30.70	Pm+Pb	99.50	2.24
6	Inside	3943	8.22	13.21	-4.96	-10.85	0.00	0.00	21.85	-0.41	-4.96	26.81	Pm+Pb	99.50	2.71
	Middle	3945	-0.81	1.43	-13.11	-0.31	-0.02	0.02	1.47	-0.85	-13.11	14.58	Pm	69.65	3.78
	Outside	3947	-8.20	-8.12	-20.11	8.33	-0.04	0.04	0.17	-16.49	-20.11	20.29	Pm+Pb	99.50	3.91
7	Inside	4112	1.42	34.35	6.71	-0.13	0.01	0.00	34.35	6.71	1.42	32.93	Pm+Pb	99.50	2.02
	Middle	4111	1.19	0.13	-4.06	-0.11	0.00	0.00	1.20	0.12	-4.06	5.27	Pm	69.65	12.22
	Outside	4110	1.00	-23.80	-11.76	-0.10	0.00	0.00	1.00	-11.76	-23.80	24.80	Pm+Pb	99.50	3.01
8	Inside	21071	6.24	11.05	10.04	8.35	0.01	0.01	17.33	10.04	-0.04	17.37	Pm+Pb	99.50	4.73
	Middle	21073	-0.66	2.02	6.64	0.40	0.03	0.02	6.64	2.08	-0.72	7.36	Pm	69.65	8.46
	Outside	21075	-6.14	-5.09	4.25	-5.98	0.04	0.04	4.25	0.39	-11.62	15.86	Pm+Pb	99.50	5.27
9	Inside	20989	-5.90	-5.45	19.20	-5.54	0.01	0.01	19.20	-0.14	-11.22	30.42	Pm+Pb	99.50	2.27
	Middle	20996	0.87	1.40	24.95	1.25	0.05	0.05	24.95	2.41	-0.15	25.10	Pm	69.65	1.77
	Outside	21003	7.61	8.22	30.69	8.02	0.08	0.08	30.69	15.94	-0.10	30.80	Pm+Pb	99.50	2.23
10	Inside	29635	-0.72	-2.34	40.40	-1.24	0.01	0.01	40.40	-0.05	-3.01	43.41	Pm+Pb	99.50	1.29
	Middle	29637	2.05	0.15	43.92	1.32	0.02	0.03	43.92	2.72	-0.52	44.45	Pm	69.65	0.57
	Outside	29639	4.53	2.44	47.30	3.60	0.04	0.05	47.30	7.24	-0.27	47.57	Pm+Pb	99.50	1.09
11	Inside	29804	3.42	-0.59	46.60	0.37	-0.01	0.00	46.60	3.46	-0.63	47.23	Pm+Pb	99.50	1.11
	Middle	29803	2.39	-0.31	49.25	0.22	0.00	0.01	49.25	2.41	-0.33	49.58	Pm	69.65	0.40
	Outside	29802	1.59	-0.06	51.93	0.11	0.00	0.01	51.93	1.60	-0.07	52.00	Pm+Pb	99.50	0.91

TABLE 2.10.6-187 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	8.06	0.52	-1.76	-0.97	-0.11	0.63	8.22	0.40	-1.80	10.02	Pm+Pb	100.00	8.98
	Middle	10029	-1.43	0.97	-3.35	-0.01	-0.15	0.47	0.97	-1.32	-3.46	4.44	Pm	70.00	14.78
	Outside	10028	-8.78	0.83	-5.56	0.72	-0.04	0.39	0.88	-5.52	-8.87	9.75	Pm+Pb	100.00	9.25
4	Inside	9981	4.16	2.32	0.81	-2.88	-2.21	3.18	8.27	0.22	-1.20	9.47	Pm+Pb	100.00	9.56
	Middle	9983	0.27	-0.46	-1.64	-0.03	-2.28	2.68	2.81	-0.20	-4.44	7.25	Pm	70.00	8.65
	Outside	9985	-3.32	-2.94	-4.72	2.72	-2.47	2.66	-0.40	-1.62	-8.97	8.57	Pm+Pb	100.00	10.67
5	Inside	1383	0.88	-0.46	4.97	-0.05	-2.93	4.01	8.18	0.04	-2.83	11.02	Pm+Pb	100.00	8.08
	Middle	1390	2.61	1.59	4.51	-2.24	-3.46	4.28	9.96	-0.20	-1.05	11.01	Pm	70.00	5.36
	Outside	1397	4.36	3.68	3.92	-4.39	-4.01	4.71	12.75	-0.19	-0.61	13.36	Pm+Pb	100.00	6.48
6	Inside	1417	-4.09	-3.41	4.98	-1.80	-3.73	3.79	7.86	-4.71	-5.67	13.53	Pm+Pb	100.00	6.39
	Middle	1419	-0.48	0.44	7.41	-3.08	-4.98	4.79	12.49	-1.94	-3.18	15.67	Pm	70.00	3.47
	Outside	1421	2.18	3.49	9.45	-3.69	-6.46	5.85	16.85	-0.64	-1.08	17.94	Pm+Pb	100.00	4.58
7	Inside	1466	0.11	0.84	9.21	-0.55	-6.47	0.11	12.74	0.17	-2.75	15.49	Pm+Pb	100.00	5.46
	Middle	1465	0.33	1.79	8.03	-0.20	-5.67	-0.07	11.38	0.35	-1.58	12.96	Pm	70.00	4.40
	Outside	1464	0.70	3.09	7.46	0.28	-5.15	-0.13	10.88	0.72	-0.34	11.22	Pm+Pb	100.00	7.91
8	Inside	18545	-4.71	-4.89	10.86	-0.47	-4.56	-2.46	12.38	-4.35	-6.78	19.16	Pm+Pb	100.00	4.22
	Middle	18547	-1.20	-1.40	8.70	1.00	-3.65	-2.57	10.53	-1.81	-2.61	13.14	Pm	70.00	4.33
	Outside	18549	1.44	1.52	6.53	2.07	-3.29	-2.35	9.33	0.86	-0.71	10.03	Pm+Pb	100.00	8.97
9	Inside	18511	2.37	0.86	20.85	-0.68	-1.38	1.16	21.02	2.50	0.56	20.46	Pm+Pb	100.00	3.89
	Middle	18518	-1.34	-2.55	9.54	-3.74	-1.91	-1.18	9.87	1.83	-6.05	15.92	Pm	70.00	3.40
	Outside	18525	-4.33	-5.52	-0.46	-6.75	-3.14	-2.95	1.86	1.00	-13.16	15.02	Pm+Pb	100.00	5.66
10	Inside	27109	-5.37	-0.54	12.44	-3.59	-5.06	-4.59	14.72	1.05	-9.23	23.95	Pm+Pb	100.00	3.18
	Middle	27111	-6.51	-2.88	6.06	-5.82	-0.53	-0.57	6.09	1.39	-10.83	16.92	Pm	70.00	3.14
	Outside	27113	-7.53	-4.27	0.27	-6.77	2.82	3.18	1.62	0.96	-14.11	15.73	Pm+Pb	100.00	5.36
11	Inside	27158	-17.15	-2.45	7.09	-2.43	-1.83	-0.79	7.44	-2.35	-17.59	25.03	Pm+Pb	100.00	3.00
	Middle	27157	-8.14	-4.96	4.09	-1.83	-1.31	0.01	4.29	-4.30	-8.99	13.28	Pm	70.00	4.27
	Outside	27156	-4.55	-6.95	-0.34	-1.53	-0.99	0.74	0.02	-4.12	-7.74	7.75	Pm+Pb	100.00	11.90

TABLE 2.10.6-188 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	11.98	0.23	-7.61	-1.15	-0.02	0.29	12.09	0.12	-7.62	19.71	Pm+Pb	100.00	4.07
	Middle	11616	0.36	0.29	-12.27	0.01	0.01	0.34	0.37	0.28	-12.28	12.65	Pm	70.00	4.53
	Outside	11615	-8.02	0.27	-16.07	0.84	-0.02	0.34	0.36	-8.09	-16.08	16.44	Pm+Pb	100.00	5.08
4	Inside	11529	4.41	2.56	-7.76	-3.39	-1.18	1.37	7.22	-0.02	-7.98	15.20	Pm+Pb	100.00	5.58
	Middle	11531	0.70	-0.31	-10.79	-0.53	-1.82	1.81	1.41	-0.47	-11.34	12.75	Pm	70.00	4.49
	Outside	11533	-2.07	-2.15	-12.96	1.81	-2.12	2.69	-0.28	-2.79	-14.11	13.82	Pm+Pb	100.00	6.23
5	Inside	2748	-3.80	-3.96	-4.88	3.93	-2.23	2.31	0.05	-2.82	-9.88	9.93	Pm+Pb	100.00	9.07
	Middle	2755	0.82	0.67	-1.87	-0.67	-3.69	3.72	5.26	0.08	-5.72	10.98	Pm	70.00	5.38
	Outside	2762	5.49	5.35	1.21	-5.23	-5.14	5.10	14.58	0.20	-2.72	17.29	Pm+Pb	100.00	4.78
6	Inside	2965	0.71	2.60	6.06	-1.90	-6.82	5.69	13.84	-0.34	-4.14	17.98	Pm+Pb	100.00	4.56
	Middle	2967	-0.22	1.25	5.93	-0.83	-7.00	5.87	13.10	-0.40	-5.75	18.85	Pm	70.00	2.71
	Outside	2969	-0.55	0.28	6.15	-0.07	-7.09	6.12	12.94	-0.25	-6.80	19.74	Pm+Pb	100.00	4.07
7	Inside	3053	0.05	8.79	10.98	-0.16	-13.53	-0.37	23.46	0.08	-3.72	27.18	Pm+Pb	100.00	2.68
	Middle	3052	0.12	1.18	9.40	-0.19	-10.46	-0.34	16.54	0.14	-5.96	22.50	Pm	70.00	2.11
	Outside	3051	0.12	-4.19	8.36	-0.21	-8.33	-0.35	12.52	0.13	-8.36	20.88	Pm+Pb	100.00	3.79
8	Inside	20093	-1.05	-0.58	10.20	-0.27	-11.21	-10.52	20.94	-0.56	-11.81	32.75	Pm+Pb	100.00	2.05
	Middle	20095	-0.17	0.41	10.99	0.36	-7.99	-7.24	17.74	-0.26	-6.25	23.99	Pm	70.00	1.92
	Outside	20097	0.62	1.17	11.63	0.91	-4.78	-4.40	14.86	-0.01	-1.43	16.29	Pm+Pb	100.00	5.14
9	Inside	19876	-0.61	-1.69	16.12	-0.75	-9.99	-8.54	23.03	-0.31	-8.89	31.92	Pm+Pb	100.00	2.13
	Middle	19883	-0.63	-1.67	13.47	-0.89	-7.24	-5.96	17.86	-0.16	-6.53	24.40	Pm	70.00	1.87
	Outside	19890	-0.70	-1.62	10.94	-0.98	-4.33	-3.39	12.94	-0.08	-4.23	17.17	Pm+Pb	100.00	4.82
10	Inside	28657	-1.61	-0.25	14.62	-0.64	-1.93	-1.27	14.95	-0.10	-2.09	17.04	Pm+Pb	100.00	4.87
	Middle	28659	-2.02	-0.72	15.67	-1.08	-5.00	-4.41	17.87	-0.25	-4.68	22.55	Pm	70.00	2.10
	Outside	28661	-2.92	-2.18	15.95	-1.38	-7.42	-7.68	20.60	-1.15	-8.61	29.21	Pm+Pb	100.00	2.42
11	Inside	28745	-8.54	-0.75	11.98	-0.85	-0.27	-0.40	11.99	-0.66	-8.64	20.63	Pm+Pb	100.00	3.85
	Middle	28744	-1.33	-0.33	15.29	-0.10	-0.31	-1.05	15.36	-0.32	-1.41	16.77	Pm	70.00	3.17
	Outside	28743	4.07	0.49	19.03	0.69	-0.70	-1.22	19.16	4.08	0.35	18.81	Pm+Pb	100.00	4.32

TABLE 2.10.6-189 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	-1.82	-0.57	-24.98	0.06	0.09	0.12	-0.57	-1.82	-24.98	24.41	Pm+Pb	100.00	3.10
	Middle	11751	0.84	-0.35	-25.53	-0.15	0.08	0.21	0.86	-0.36	-25.54	26.40	Pm	70.00	1.65
	Outside	11750	2.67	-0.16	-26.33	-0.29	0.07	0.28	2.71	-0.19	-26.34	29.04	Pm+Pb	100.00	2.44
4	Inside	11583	-2.11	-2.29	-23.20	1.85	-0.30	0.48	-0.35	-4.04	-23.21	22.87	Pm+Pb	100.00	3.37
	Middle	11585	0.57	-0.07	-22.80	-0.46	-0.99	1.19	0.91	-0.31	-22.90	23.81	Pm	70.00	1.94
	Outside	11587	2.86	1.88	-22.58	-2.44	-1.66	1.86	5.08	-0.12	-22.80	27.88	Pm+Pb	100.00	2.59
5	Inside	2937	-3.86	-3.48	-13.96	3.14	-1.83	1.84	-0.53	-5.97	-14.80	14.27	Pm+Pb	100.00	6.01
	Middle	2944	0.02	0.42	-13.00	-0.59	-2.92	2.90	1.96	-0.38	-14.13	16.09	Pm	70.00	3.35
	Outside	2951	3.87	4.28	-12.05	-4.27	-4.00	3.97	9.80	-0.20	-13.50	23.30	Pm+Pb	100.00	3.29
6	Inside	3019	5.75	9.79	1.96	-8.01	-4.43	3.87	18.17	0.02	-0.68	18.85	Pm+Pb	100.00	4.31
	Middle	3021	-0.68	1.31	-4.09	-0.40	-4.52	3.98	5.00	-0.29	-8.16	13.16	Pm	70.00	4.32
	Outside	3023	-5.91	-5.52	-9.27	5.82	-4.67	4.13	0.14	-4.12	-16.73	16.87	Pm+Pb	100.00	4.93
7	Inside	3188	1.02	26.84	11.24	-0.11	-7.85	-0.08	30.10	7.97	1.02	29.08	Pm+Pb	100.00	2.44
	Middle	3187	0.88	0.41	2.91	-0.10	-6.61	-0.08	8.39	0.89	-5.07	13.46	Pm	70.00	4.20
	Outside	3186	0.77	-18.05	-3.03	-0.09	-5.68	-0.07	0.77	-1.12	-19.96	20.73	Pm+Pb	100.00	3.82
8	Inside	20147	4.08	7.88	13.07	5.84	-6.03	-5.56	20.78	4.53	-0.27	21.05	Pm+Pb	100.00	3.75
	Middle	20149	-0.50	1.81	10.96	0.50	-5.03	-4.62	14.50	0.40	-2.63	17.13	Pm	70.00	3.09
	Outside	20151	-4.09	-2.90	9.56	-3.74	-4.15	-3.77	11.28	0.26	-8.96	20.23	Pm+Pb	100.00	3.94
9	Inside	20065	-5.60	-5.46	18.88	-5.39	-4.93	-4.93	20.43	-0.14	-12.47	32.90	Pm+Pb	100.00	2.04
	Middle	20072	1.03	1.25	24.25	1.26	-4.00	-4.00	25.62	1.04	-0.13	25.75	Pm	70.00	1.72
	Outside	20079	7.65	7.94	29.57	7.89	-3.07	-3.06	30.82	14.44	-0.10	30.92	Pm+Pb	100.00	2.23
10	Inside	28711	2.61	0.04	36.76	1.45	-2.22	-2.32	37.06	3.00	-0.65	37.71	Pm+Pb	100.00	1.65
	Middle	28713	2.21	0.04	38.18	1.21	-1.63	-1.69	38.33	2.62	-0.52	38.85	Pm	70.00	0.80
	Outside	28715	2.10	0.27	39.71	1.19	-1.08	-1.11	39.77	2.63	-0.32	40.09	Pm+Pb	100.00	1.49
11	Inside	28880	10.74	-0.15	42.47	1.02	-0.12	-0.43	42.48	10.83	-0.24	42.72	Pm+Pb	100.00	1.34
	Middle	28879	2.10	0.02	42.16	0.13	-0.12	-0.29	42.16	2.11	0.01	42.15	Pm	70.00	0.66
	Outside	28878	-4.03	0.17	42.53	-0.50	-0.12	-0.18	42.53	0.23	-4.09	46.62	Pm+Pb	100.00	1.14

TABLE 2.10.6-190 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-7.54	-0.89	-31.44	0.57	0.05	0.10	-0.85	-7.59	-31.44	30.59	Pm+Pb	100.00	2.27
	Middle	12213	1.03	-0.59	-30.35	-0.22	0.05	0.16	1.06	-0.62	-30.36	31.41	Pm	70.00	1.23
	Outside	12212	6.99	-0.35	-30.10	-0.76	0.04	0.20	7.06	-0.43	-30.10	37.17	Pm+Pb	100.00	1.69
4	Inside	12045	-4.42	-3.81	-28.70	3.70	-0.26	0.40	-0.40	-7.81	-28.71	28.31	Pm+Pb	100.00	2.53
	Middle	12047	0.40	0.08	-27.28	-0.50	-0.74	0.88	0.81	-0.29	-27.33	28.14	Pm	70.00	1.49
	Outside	12049	4.42	3.37	-26.30	-4.02	-1.21	1.36	8.05	-0.16	-26.39	34.45	Pm+Pb	100.00	1.90
5	Inside	3399	-2.94	-2.50	-16.54	2.76	-1.36	1.31	0.06	-5.18	-16.85	16.91	Pm+Pb	100.00	4.91
	Middle	3406	0.15	0.62	-16.25	-0.39	-2.12	2.08	1.32	-0.05	-16.75	18.07	Pm	70.00	2.87
	Outside	3413	3.26	3.75	-15.93	-3.55	-2.89	2.84	7.76	-0.05	-16.62	24.38	Pm+Pb	100.00	3.10
6	Inside	3481	7.05	11.58	0.91	-9.51	-3.05	2.68	19.95	0.12	-0.54	20.49	Pm+Pb	100.00	3.88
	Middle	3483	-0.74	1.37	-6.26	-0.36	-3.13	2.76	3.00	-0.42	-8.21	11.22	Pm	70.00	5.24
	Outside	3485	-7.11	-6.89	-12.43	7.14	-3.25	2.88	0.15	-8.87	-17.71	17.85	Pm+Pb	100.00	4.60
7	Inside	3650	1.24	30.74	11.43	-0.12	-5.33	-0.06	32.11	10.06	1.24	30.87	Pm+Pb	100.00	2.24
	Middle	3649	1.05	0.27	1.80	-0.11	-4.50	-0.06	5.60	1.06	-3.53	9.13	Pm	70.00	6.67
	Outside	3648	0.89	-21.02	-5.09	-0.10	-3.87	-0.05	0.89	-4.20	-21.91	22.81	Pm+Pb	100.00	3.38
8	Inside	20609	5.17	9.49	14.11	7.11	-4.04	-3.73	19.92	8.98	-0.13	20.04	Pm+Pb	100.00	3.99
	Middle	20611	-0.59	1.93	11.34	0.45	-3.34	-3.06	13.09	0.97	-1.38	14.46	Pm	70.00	3.84
	Outside	20613	-5.13	-4.01	9.44	-4.88	-2.73	-2.47	10.14	0.33	-10.16	20.30	Pm+Pb	100.00	3.93
9	Inside	20527	-5.77	-5.46	22.04	-5.47	-3.25	-3.25	22.67	-0.14	-11.71	34.38	Pm+Pb	100.00	1.91
	Middle	20534	0.93	1.31	27.58	1.24	-2.58	-2.58	28.10	1.87	-0.14	28.23	Pm	70.00	1.48
	Outside	20541	7.61	8.07	33.12	7.94	-1.92	-1.91	33.53	15.37	-0.10	33.63	Pm+Pb	100.00	1.97
10	Inside	29173	0.84	-1.22	41.93	0.02	-1.46	-1.51	42.04	0.79	-1.27	43.31	Pm+Pb	100.00	1.31
	Middle	29175	2.10	0.09	44.45	1.25	-1.04	-1.07	44.50	2.65	-0.51	45.02	Pm	70.00	0.55
	Outside	29177	3.36	1.40	46.99	2.44	-0.66	-0.67	47.01	4.99	-0.25	47.26	Pm+Pb	100.00	1.12
11	Inside	29342	6.84	-0.36	47.97	0.66	-0.08	-0.27	47.97	6.90	-0.42	48.40	Pm+Pb	100.00	1.07
	Middle	29341	2.21	-0.14	49.22	0.17	-0.08	-0.18	49.22	2.22	-0.15	49.37	Pm	70.00	0.42
	Outside	29340	-1.10	0.05	50.86	-0.18	-0.08	-0.11	50.86	0.08	-1.12	51.98	Pm+Pb	100.00	0.92

**TABLE 2.10.6-191 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SIDE DROP (T= -20°F)
SECTION E**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-12.19	-1.18	-37.19	0.97	0.01	0.00	-1.10	-12.27	-37.19	36.10	Pm+Pb	100.00	1.77
	Middle	12675	1.15	-0.81	-34.86	-0.28	0.00	0.01	1.19	-0.85	-34.86	36.05	Pm	70.00	0.94
	Outside	12674	10.45	-0.50	-33.78	-1.14	0.00	0.01	10.56	-0.62	-33.78	44.34	Pm+Pb	100.00	1.26
4	Inside	12507	-6.31	-5.07	-33.60	5.25	-0.01	0.01	-0.40	-10.98	-33.60	33.20	Pm+Pb	100.00	2.01
	Middle	12509	0.26	0.17	-31.39	-0.51	-0.02	0.03	0.73	-0.30	-31.39	32.12	Pm	70.00	1.18
	Outside	12511	5.72	4.60	-29.75	-5.32	-0.04	0.04	10.51	-0.19	-29.75	40.26	Pm+Pb	100.00	1.48
5	Inside	3861	-2.70	-2.16	-19.15	2.57	-0.01	0.01	0.16	-5.01	-19.15	19.31	Pm+Pb	100.00	4.18
	Middle	3868	0.10	0.67	-18.99	-0.33	-0.04	0.04	0.82	-0.05	-18.99	19.81	Pm	70.00	2.53
	Outside	3875	2.92	3.52	-18.82	-3.24	-0.07	0.07	6.48	-0.03	-18.82	25.30	Pm+Pb	100.00	2.95
6	Inside	3943	8.22	13.21	0.44	-10.85	0.00	0.00	21.85	0.44	-0.41	22.26	Pm+Pb	100.00	3.49
	Middle	3945	-0.81	1.43	-7.71	-0.31	-0.02	0.02	1.47	-0.85	-7.71	9.18	Pm	70.00	6.62
	Outside	3947	-8.20	-8.12	-14.71	8.33	-0.04	0.04	0.17	-14.71	-16.49	16.66	Pm+Pb	100.00	5.00
7	Inside	4112	1.42	34.35	12.11	-0.13	0.01	0.00	34.35	12.11	1.42	32.93	Pm+Pb	100.00	2.04
	Middle	4111	1.19	0.13	1.34	-0.11	0.00	0.00	1.34	1.20	0.12	1.22	Pm	70.00	56.43
	Outside	4110	1.00	-23.80	-6.36	-0.10	0.00	0.00	1.00	-6.36	-23.80	24.80	Pm+Pb	100.00	3.03
8	Inside	21071	6.24	11.05	15.44	8.35	0.01	0.01	17.33	15.44	-0.04	17.37	Pm+Pb	100.00	4.76
	Middle	21073	-0.66	2.02	12.04	0.40	0.03	0.02	12.04	2.08	-0.72	12.76	Pm	70.00	4.49
	Outside	21075	-6.14	-5.09	9.65	-5.98	0.04	0.04	9.65	0.39	-11.62	21.26	Pm+Pb	100.00	3.70
9	Inside	20989	-5.90	-5.45	24.60	-5.54	0.01	0.01	24.60	-0.14	-11.22	35.82	Pm+Pb	100.00	1.79
	Middle	20996	0.87	1.40	30.35	1.25	0.05	0.05	30.35	2.41	-0.15	30.50	Pm	70.00	1.29
	Outside	21003	7.61	8.22	36.09	8.02	0.08	0.08	36.09	15.94	-0.10	36.20	Pm+Pb	100.00	1.76
10	Inside	29635	-0.72	-2.34	45.80	-1.24	0.01	0.01	45.80	-0.05	-3.01	48.81	Pm+Pb	100.00	1.05
	Middle	29637	2.05	0.15	49.32	1.32	0.02	0.03	49.32	2.72	-0.52	49.85	Pm	70.00	0.40
	Outside	29639	4.53	2.44	52.70	3.60	0.04	0.05	52.70	7.24	-0.27	52.97	Pm+Pb	100.00	0.89
11	Inside	29804	3.42	-0.59	52.00	0.37	-0.01	0.00	52.00	3.46	-0.63	52.63	Pm+Pb	100.00	0.90
	Middle	29803	2.39	-0.31	54.65	0.22	0.00	0.01	54.65	2.41	-0.33	54.98	Pm	70.00	0.27
	Outside	29802	1.59	-0.06	57.33	0.11	0.00	0.01	57.33	1.60	-0.07	57.40	Pm+Pb	100.00	0.74

TABLE 2.1-6-192 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	3.46	3.56	14.91	1.24	4.25	-0.22	16.33	4.20	1.39	14.93	Pm+Pb	99.50	5.66
	Middle	1390	3.46	1.56	4.21	0.31	2.15	0.49	5.57	3.30	0.36	5.21	Pm	69.65	12.37
	Outside	1397	4.25	0.29	-5.86	0.22	1.18	2.94	5.10	0.39	-6.82	11.91	Pm+Pb	99.50	7.35
2	Inside	1417	2.91	-0.23	8.72	0.25	2.10	1.15	9.40	2.69	-0.70	10.10	Pm+Pb	99.50	8.86
	Middle	1419	-1.24	-0.45	1.07	0.48	0.45	1.31	1.83	-0.57	-1.88	3.70	Pm	69.65	17.81
	Outside	1421	-5.07	-0.42	-6.64	0.73	-0.18	1.51	-0.30	-4.23	-7.60	7.29	Pm+Pb	99.50	12.64
3	Inside	1466	-0.68	-0.90	2.66	0.16	0.47	2.01	3.66	-0.95	-1.63	5.29	Pm+Pb	99.50	17.80
	Middle	1465	-1.11	-1.23	-1.20	0.95	0.55	2.58	1.80	-1.58	-3.76	5.56	Pm	69.65	11.53
	Outside	1464	-1.41	-1.34	-4.87	1.54	0.90	3.41	1.72	-2.38	-6.96	8.68	Pm+Pb	99.50	10.46
4	Inside	9981	-0.25	1.89	9.09	0.06	-0.73	2.17	9.63	1.85	-0.74	10.37	Pm+Pb	99.50	8.59
	Middle	9983	-0.45	-1.89	2.54	0.32	-1.46	0.71	3.07	-0.42	-2.46	5.54	Pm	69.65	11.58
	Outside	9985	-0.38	-5.33	-3.97	0.63	-2.00	0.12	-0.30	-2.56	-6.82	6.52	Pm+Pb	99.50	14.26
5	Inside	9947	1.58	1.96	13.90	-0.21	-2.68	3.05	15.15	1.64	0.66	14.49	Pm+Pb	99.50	5.87
	Middle	9954	0.53	1.19	6.09	-0.13	-2.89	1.44	7.69	0.59	-0.46	8.15	Pm	69.65	7.54
	Outside	9961	-0.10	0.89	-1.46	-0.04	-3.19	0.55	3.15	-0.09	-3.74	6.88	Pm+Pb	99.50	13.45
6	Inside	27109	-0.29	-0.40	10.89	-0.68	-4.51	1.93	12.79	-0.61	-1.98	14.78	Pm+Pb	99.50	5.73
	Middle	27111	-0.29	-3.53	4.56	-0.62	-2.68	0.53	5.45	-0.32	-4.38	9.83	Pm	69.65	6.09
	Outside	27113	-0.12	-6.41	-1.58	-0.76	-1.32	-0.11	-0.03	-1.25	-6.84	6.81	Pm+Pb	99.50	13.61
7	Inside	18594	-4.75	-4.45	4.17	-3.24	-2.39	0.86	5.09	-2.18	-7.93	13.02	Pm+Pb	99.50	6.64
	Middle	18593	-2.45	-2.41	0.48	-0.68	-2.45	1.33	2.34	-2.91	-3.81	6.15	Pm	69.65	10.32
	Outside	18592	-0.78	-1.23	-3.34	0.83	-2.79	2.02	0.92	-0.14	-6.13	7.05	Pm+Pb	99.50	13.12
8	Inside	18545	-3.59	-2.06	9.71	-1.67	-1.90	3.60	11.01	-1.94	-5.01	16.02	Pm+Pb	99.50	5.21
	Middle	18547	-4.53	-1.07	2.01	-1.32	-0.39	0.11	2.07	-0.69	-4.97	7.04	Pm	69.65	8.90
	Outside	18549	-5.18	-0.41	-5.78	-1.14	-0.27	-2.78	-0.12	-2.86	-8.40	8.28	Pm+Pb	99.50	11.02
9	Inside	18511	4.47	2.48	18.87	-1.00	-2.76	-0.41	19.32	4.86	1.64	17.69	Pm+Pb	99.50	4.63
	Middle	18518	-3.27	1.76	4.56	0.33	-0.72	0.16	4.73	1.62	-3.30	8.03	Pm	69.65	7.67
	Outside	18525	-10.27	1.72	-8.85	0.67	0.17	2.32	1.76	-7.17	-12.00	13.77	Pm+Pb	99.50	6.23

**TABLE 2.10.6-193 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-9.61	-1.54	-12.11	-0.64	-0.09	0.22	-1.48	-9.64	-12.13	10.65	Pm+Pb	99.50	8.34
	Middle	2755	-0.29	-1.09	-9.45	-0.59	0.00	0.24	0.03	-1.40	-9.46	9.49	Pm	69.65	6.34
	Outside	2762	9.20	0.08	-5.81	-0.59	0.01	0.35	9.24	0.05	-5.82	15.06	Pm+Pb	99.50	5.61
2	Inside	2965	1.86	-0.03	-8.05	-0.37	0.03	0.65	1.97	-0.10	-8.09	10.06	Pm+Pb	99.50	8.89
	Middle	2967	-0.34	-0.34	-9.61	-0.22	-0.05	1.48	0.03	-0.47	-9.84	9.87	Pm	69.65	6.06
	Outside	2969	-1.14	0.46	-9.45	-0.03	0.12	2.20	0.46	-0.59	-10.00	10.46	Pm+Pb	99.50	8.51
3	Inside	3053	2.32	2.41	-6.67	-2.65	-0.74	1.05	5.15	-0.28	-6.82	11.96	Pm+Pb	99.50	7.32
	Middle	3052	0.04	0.09	-8.63	-0.05	-1.26	1.74	0.61	0.02	-9.13	9.74	Pm	69.65	6.15
	Outside	3051	-2.20	-2.18	-12.16	1.85	-1.84	2.34	-0.33	-3.08	-13.13	12.80	Pm+Pb	99.50	6.77
4	Inside	11529	0.01	2.79	-5.99	-0.44	-1.73	0.15	3.19	-0.05	-6.32	9.51	Pm+Pb	99.50	9.47
	Middle	11531	-0.36	-0.35	-7.13	-0.22	-2.77	0.09	0.70	-0.42	-8.12	8.82	Pm	69.65	6.90
	Outside	11533	0.19	-2.18	-6.82	0.01	-3.79	0.39	0.29	-0.15	-8.96	9.25	Pm+Pb	99.50	9.76
5	Inside	11312	-0.92	-3.66	-6.34	0.07	-3.64	-0.19	-0.82	-1.22	-8.88	8.06	Pm+Pb	99.50	11.35
	Middle	11319	-0.74	-0.39	-4.42	0.08	-4.24	-0.13	2.30	-0.74	-7.11	9.41	Pm	69.65	6.40
	Outside	11326	0.14	3.22	-1.47	0.08	-4.85	-0.06	6.26	0.14	-4.51	10.77	Pm+Pb	99.50	8.24
6	Inside	28657	0.11	5.07	-0.76	0.43	-6.65	-0.42	9.45	0.07	-5.10	14.55	Pm+Pb	99.50	5.84
	Middle	28659	-0.52	-0.61	-1.61	0.10	-5.28	-0.42	4.22	-0.54	-6.43	10.65	Pm	69.65	5.54
	Outside	28661	-0.27	-4.52	-0.93	-0.15	-3.97	-0.05	1.64	-0.27	-7.09	8.73	Pm+Pb	99.50	10.40
7	Inside	20181	-0.24	0.50	-1.38	0.66	-6.81	-6.72	9.35	-0.53	-9.93	19.28	Pm+Pb	99.50	4.16
	Middle	20180	-0.42	0.25	-1.35	0.05	-3.17	-2.89	3.68	-0.18	-5.03	8.71	Pm	69.65	7.00
	Outside	20179	-1.03	-0.44	-2.95	-0.45	-0.28	0.18	-0.16	-1.27	-2.99	2.83	Pm+Pb	99.50	34.13
8	Inside	20093	-3.82	-0.42	-1.32	-0.40	-0.67	-9.50	7.02	-0.38	-12.20	19.23	Pm+Pb	99.50	4.17
	Middle	20095	-1.17	-0.20	-1.71	-0.23	-0.63	-1.55	0.28	-0.20	-3.15	3.44	Pm	69.65	19.27
	Outside	20097	1.45	0.37	-1.39	0.00	0.01	5.89	6.09	0.37	-6.03	12.13	Pm+Pb	99.50	7.21
9	Inside	19876	-4.05	-1.32	1.74	0.45	-1.57	-0.66	2.49	-1.97	-4.15	6.65	Pm+Pb	99.50	13.97
	Middle	19883	-2.05	-1.02	-1.79	0.43	-1.65	0.01	0.33	-2.03	-3.17	3.50	Pm	69.65	18.89
	Outside	19890	0.22	-0.15	-4.34	0.21	-1.45	0.58	0.33	0.27	-4.87	5.19	Pm+Pb	99.50	18.15

TABLE 2.10.6-194 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-7.61	-0.03	-14.78	-0.02	0.01	0.06	-0.03	-7.61	-14.78	14.75	Pm+Pb	99.50	5.75
	Middle	2944	0.14	-0.03	-12.95	-0.02	0.00	0.06	0.14	-0.03	-12.95	13.10	Pm	69.65	4.32
	Outside	2951	7.90	-0.02	-11.11	-0.02	0.00	0.07	7.90	-0.02	-11.11	19.01	Pm+Pb	99.50	4.23
2	Inside	3019	-2.49	-0.26	-13.67	-0.27	-0.04	0.74	-0.22	-2.47	-13.71	13.49	Pm+Pb	99.50	6.38
	Middle	3021	0.33	-0.17	-13.28	-0.38	-0.04	0.85	0.58	-0.36	-13.33	13.91	Pm	69.65	4.01
	Outside	3023	2.83	-0.06	-12.98	-0.46	-0.04	0.97	2.96	-0.13	-13.04	16.00	Pm+Pb	99.50	5.22
3	Inside	3188	0.99	1.58	-11.54	-1.58	-0.87	0.86	2.99	-0.32	-11.65	14.64	Pm+Pb	99.50	5.80
	Middle	3187	-0.05	0.41	-12.65	-0.32	-0.90	0.90	0.68	-0.20	-12.77	13.45	Pm	69.65	4.18
	Outside	3186	-0.77	-0.43	-13.56	0.59	-0.95	0.94	0.02	-1.07	-13.70	13.72	Pm+Pb	99.50	6.25
4	Inside	11583	0.03	4.02	-9.07	-0.39	-1.51	0.07	4.23	-0.01	-9.24	13.46	Pm+Pb	99.50	6.39
	Middle	11585	0.05	0.81	-10.28	-0.18	-1.56	0.07	1.06	0.01	-10.49	11.56	Pm	69.65	5.03
	Outside	11587	0.07	-1.80	-11.31	-0.02	-1.62	0.07	0.07	-1.53	-11.58	11.65	Pm+Pb	99.50	7.54
5	Inside	11501	-0.05	4.64	-3.11	0.22	-1.83	0.00	5.06	-0.06	-3.53	8.59	Pm+Pb	99.50	10.58
	Middle	11508	-0.04	1.58	-4.68	0.22	-1.76	0.00	2.06	-0.06	-5.14	7.20	Pm	69.65	8.68
	Outside	11515	-0.03	-1.49	-6.25	0.22	-1.68	0.00	0.02	-1.00	-6.78	6.80	Pm+Pb	99.50	13.64
6	Inside	28711	0.53	19.71	6.76	1.69	-1.55	-0.05	20.04	6.58	0.38	19.66	Pm+Pb	99.50	4.06
	Middle	28713	0.42	1.39	0.73	0.56	-1.34	-0.04	2.54	0.44	-0.44	2.98	Pm	69.65	22.38
	Outside	28715	0.33	-13.64	-4.31	-0.32	-1.14	-0.04	0.34	-4.17	-13.78	14.12	Pm+Pb	99.50	6.05
7	Inside	20316	8.24	10.10	8.60	8.73	-0.71	-0.67	18.05	8.50	0.39	17.66	Pm+Pb	99.50	4.63
	Middle	20315	-0.05	1.39	4.00	0.23	-0.67	-0.63	4.26	1.23	-0.16	4.42	Pm	69.65	14.76
	Outside	20314	-5.86	-4.76	0.88	-5.75	-0.65	-0.61	0.95	0.46	-11.16	12.11	Pm+Pb	99.50	7.21
8	Inside	20147	-1.89	-0.27	3.45	1.43	-0.01	-0.38	3.48	0.55	-2.73	6.22	Pm+Pb	99.50	15.00
	Middle	20149	1.23	-0.17	5.62	1.41	-0.02	-0.63	5.72	2.02	-1.06	6.78	Pm	69.65	9.28
	Outside	20151	4.44	-0.01	7.84	1.39	-0.03	-0.87	8.07	4.61	-0.41	8.48	Pm+Pb	99.50	10.73
9	Inside	20065	-24.50	-0.30	-4.15	0.17	0.07	-0.03	-0.30	-4.15	-24.50	24.20	Pm+Pb	99.50	3.11
	Middle	20072	1.56	-0.23	5.29	0.17	0.06	-0.06	5.29	1.57	-0.25	5.54	Pm	69.65	11.56
	Outside	20079	27.58	-0.17	14.71	0.17	0.05	-0.09	27.58	14.71	-0.17	27.75	Pm+Pb	99.50	2.59

TABLE 2.10.6-195 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-7.88	0.00	-15.48	-0.01	0.00	0.02	0.00	-7.88	-15.48	15.48	Pm+Pb	99.50	5.43
	Middle	3406	0.17	-0.01	-13.62	-0.02	0.00	0.02	0.17	-0.01	-13.62	13.79	Pm	69.65	4.05
	Outside	3413	8.24	-0.02	-11.74	-0.02	0.00	0.03	8.24	-0.02	-11.74	19.98	Pm+Pb	99.50	3.98
2	Inside	3481	-2.44	-0.31	-14.25	-0.32	-0.03	0.36	-0.27	-2.48	-14.26	13.99	Pm+Pb	99.50	6.11
	Middle	3483	0.37	-0.20	-13.95	-0.41	-0.03	0.32	0.59	-0.42	-13.96	14.55	Pm	69.65	3.79
	Outside	3485	2.87	-0.08	-13.75	-0.49	-0.03	0.29	2.95	-0.16	-13.76	16.71	Pm+Pb	99.50	4.95
3	Inside	3650	1.33	1.97	-11.75	-1.90	-0.50	0.47	3.61	-0.28	-11.78	15.39	Pm+Pb	99.50	5.47
	Middle	3649	-0.03	0.45	-13.09	-0.32	-0.34	0.31	0.63	-0.19	-13.10	13.73	Pm	69.65	4.07
	Outside	3648	-0.99	-0.62	-14.18	0.82	-0.20	0.18	0.03	-1.64	-14.19	14.22	Pm+Pb	99.50	6.00
4	Inside	12045	0.05	4.63	-9.08	-0.45	-0.85	0.03	4.72	0.00	-9.13	13.85	Pm+Pb	99.50	6.18
	Middle	12047	0.06	0.85	-10.33	-0.21	-0.52	0.02	0.92	0.01	-10.36	11.28	Pm	69.65	5.18
	Outside	12049	0.09	-2.23	-11.37	-0.02	-0.23	0.02	0.09	-2.23	-11.38	11.46	Pm+Pb	99.50	7.68
5	Inside	11963	-0.05	4.31	-3.06	0.19	-0.73	0.02	4.39	-0.06	-3.13	7.52	Pm+Pb	99.50	12.23
	Middle	11970	-0.04	1.56	-4.13	0.19	-0.51	0.02	1.63	-0.06	-4.18	5.80	Pm	69.65	11.00
	Outside	11977	-0.03	-1.19	-5.20	0.19	-0.29	0.02	0.00	-1.19	-5.22	5.22	Pm+Pb	99.50	18.07
6	Inside	29173	0.47	17.73	7.16	1.53	0.02	0.03	17.87	7.16	0.34	17.53	Pm+Pb	99.50	4.68
	Middle	29175	0.37	1.29	2.03	0.52	-0.32	0.03	2.17	1.40	0.13	2.04	Pm	69.65	33.08
	Outside	29177	0.30	-12.19	-2.20	-0.28	-0.64	0.02	0.30	-2.16	-12.24	12.54	Pm+Pb	99.50	6.93
7	Inside	20778	7.35	9.02	9.14	7.83	0.39	0.42	16.11	9.09	0.31	15.80	Pm+Pb	99.50	5.30
	Middle	20777	-0.05	1.23	5.11	0.22	-0.17	-0.13	5.12	1.26	-0.09	5.21	Pm	69.65	12.37
	Outside	20776	-5.24	-4.26	2.42	-5.14	-0.65	-0.61	2.49	0.41	-9.98	12.46	Pm+Pb	99.50	6.98
8	Inside	20609	-1.79	-0.23	4.62	1.27	0.03	0.76	4.72	0.44	-2.55	7.27	Pm+Pb	99.50	12.68
	Middle	20611	1.07	-0.15	6.39	1.25	0.01	-0.13	6.39	1.85	-0.93	7.33	Pm	69.65	8.51
	Outside	20613	4.00	-0.01	8.20	1.24	-0.01	-0.95	8.41	4.14	-0.37	8.78	Pm+Pb	99.50	10.33
9	Inside	20527	-22.09	-0.26	-1.84	0.15	0.08	0.05	-0.25	-1.84	-22.09	21.84	Pm+Pb	99.50	3.56
	Middle	20534	1.26	-0.20	6.19	0.15	0.07	-0.01	6.19	1.28	-0.22	6.41	Pm	69.65	9.87
	Outside	20541	24.60	-0.14	14.22	0.14	0.07	-0.08	24.60	14.22	-0.14	24.74	Pm+Pb	99.50	3.02

TABLE 2.10.6-196 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-7.27	-0.16	-14.17	-0.07	-0.01	-0.03	-0.16	-7.27	-14.17	14.01	Pm+Pb	99.50	6.10
	Middle	3868	0.43	-0.11	-12.39	-0.05	-0.01	-0.04	0.43	-0.11	-12.39	12.83	Pm	69.65	4.43
	Outside	3875	8.10	-0.06	-10.63	-0.05	-0.01	-0.05	8.10	-0.06	-10.63	18.74	Pm+Pb	99.50	4.31
2	Inside	3943	-0.55	-0.26	-12.36	-0.47	0.01	-0.29	0.09	-0.89	-12.37	12.46	Pm+Pb	99.50	6.99
	Middle	3945	0.49	-0.16	-12.58	-0.46	0.01	-0.53	0.75	-0.39	-12.60	13.35	Pm	69.65	4.22
	Outside	3947	1.54	-0.04	-12.81	-0.45	0.02	-0.76	1.70	-0.16	-12.85	14.54	Pm+Pb	99.50	5.84
3	Inside	4112	2.32	2.79	-9.82	-2.74	0.32	-0.32	5.32	-0.20	-9.83	15.15	Pm+Pb	99.50	5.57
	Middle	4111	0.05	0.41	-11.58	-0.29	0.57	-0.58	0.62	-0.10	-11.64	12.26	Pm	69.65	4.68
	Outside	4110	-1.54	-1.27	-12.96	1.46	0.80	-0.81	0.06	-2.75	-13.09	13.15	Pm+Pb	99.50	6.57
4	Inside	12507	0.06	4.79	-7.70	-0.56	0.58	-0.04	4.88	0.00	-7.73	12.61	Pm+Pb	99.50	6.89
	Middle	12509	0.07	0.76	-8.92	-0.29	1.03	-0.05	0.97	-0.03	-9.03	10.00	Pm	69.65	5.97
	Outside	12511	0.10	-2.48	-9.90	-0.08	1.46	-0.06	0.10	-2.21	-10.17	10.27	Pm+Pb	99.50	8.68
5	Inside	12425	-0.05	1.58	-3.08	0.10	1.00	0.02	1.79	-0.06	-3.28	5.08	Pm+Pb	99.50	18.60
	Middle	12432	-0.04	1.24	-3.20	0.10	1.22	0.02	1.56	-0.05	-3.51	5.08	Pm	69.65	12.72
	Outside	12439	-0.03	0.90	-3.32	0.10	1.45	0.03	1.36	-0.04	-3.77	5.13	Pm+Pb	99.50	18.40
6	Inside	29635	0.30	11.77	5.69	1.13	1.69	0.11	12.32	5.26	0.19	12.13	Pm+Pb	99.50	7.20
	Middle	29637	0.24	1.00	2.43	0.46	1.03	0.10	3.00	0.71	-0.05	3.05	Pm	69.65	21.85
	Outside	29639	0.20	-7.79	-0.23	-0.08	0.44	0.08	0.21	-0.22	-7.82	8.03	Pm+Pb	99.50	11.38
7	Inside	21240	5.52	6.52	7.86	5.89	1.39	1.43	12.74	7.04	0.11	12.64	Pm+Pb	99.50	6.87
	Middle	21239	0.05	0.82	4.99	0.23	0.54	0.57	5.13	0.78	-0.05	5.18	Pm	69.65	12.46
	Outside	21238	-3.79	-3.20	3.09	-3.75	-0.20	-0.17	3.10	0.27	-7.27	10.37	Pm+Pb	99.50	8.60
8	Inside	21071	-0.04	-0.13	5.05	0.98	0.08	1.69	5.59	0.59	-1.28	6.87	Pm+Pb	99.50	13.48
	Middle	21073	0.88	-0.08	5.96	0.90	0.05	0.52	6.02	1.37	-0.63	6.65	Pm	69.65	9.47
	Outside	21075	2.04	0.02	6.96	0.84	0.03	-0.55	7.02	2.29	-0.30	7.32	Pm+Pb	99.50	12.59
9	Inside	20989	-14.75	-0.17	0.46	0.10	0.08	0.11	0.47	-0.18	-14.75	15.23	Pm+Pb	99.50	5.53
	Middle	20996	1.05	-0.13	5.84	0.10	0.08	0.04	5.84	1.06	-0.14	5.98	Pm	69.65	10.64
	Outside	21003	16.84	-0.10	11.21	0.10	0.07	-0.04	16.84	11.21	-0.10	16.94	Pm+Pb	99.50	4.88

TABLE 2.10.6-197 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	-0.39	-0.48	0.47	-0.44	1.89	0.10	1.96	-0.31	-2.05	4.01	Pm+Pb	99.50	23.81
	Middle	10029	-2.92	-0.09	-3.65	-0.05	2.32	-0.06	1.06	-2.92	-4.80	5.85	Pm	69.65	10.90
	Outside	10028	-4.88	0.16	-7.91	0.19	3.17	-1.79	1.29	-4.27	-9.65	10.94	Pm+Pb	99.50	8.10
4	Inside	9981	1.36	1.80	7.34	-1.71	1.91	1.27	8.02	3.24	-0.75	8.77	Pm+Pb	99.50	10.35
	Middle	9983	-1.77	-0.81	-0.26	0.84	0.07	0.82	0.28	-0.65	-2.47	2.76	Pm	69.65	24.27
	Outside	9985	-4.65	-2.99	-8.08	3.32	-0.99	1.07	-0.39	-6.15	-9.17	8.78	Pm+Pb	99.50	10.34
5	Inside	1383	2.88	2.40	13.47	-0.90	1.21	3.25	14.46	3.35	0.94	13.52	Pm+Pb	99.50	6.36
	Middle	1390	1.92	1.53	4.51	-1.11	-0.25	2.29	5.98	1.90	0.07	5.91	Pm	69.65	10.80
	Outside	1397	1.41	1.12	-4.25	-1.32	-1.14	1.93	3.24	-0.03	-4.93	8.17	Pm+Pb	99.50	11.18
6	Inside	1417	-1.13	-1.75	8.86	-1.43	-1.13	3.91	10.41	-1.20	-3.22	13.63	Pm+Pb	99.50	6.30
	Middle	1419	-0.91	-1.57	3.47	-0.60	-1.95	2.61	5.28	-1.88	-2.42	7.70	Pm	69.65	8.04
	Outside	1421	-0.84	-1.63	-2.04	0.51	-2.38	2.15	1.33	-0.70	-5.14	6.47	Pm+Pb	99.50	14.39
7	Inside	1466	-0.64	-2.58	5.18	-0.21	-2.46	1.94	6.42	-1.11	-3.34	9.76	Pm+Pb	99.50	9.19
	Middle	1465	-0.31	-1.27	1.14	-0.06	-2.08	2.32	3.49	-0.86	-3.08	6.57	Pm	69.65	9.60
	Outside	1464	0.18	0.03	-2.45	0.16	-1.81	3.10	2.57	0.20	-5.02	7.58	Pm+Pb	99.50	12.12
8	Inside	18545	-1.50	-2.61	11.06	0.29	-1.83	1.77	11.52	-1.53	-3.05	14.57	Pm+Pb	99.50	5.83
	Middle	18547	-1.07	-2.19	4.07	-0.15	-1.25	-0.09	4.31	-1.05	-2.45	6.76	Pm	69.65	9.31
	Outside	18549	-0.76	-1.92	-2.90	-0.73	-1.41	-0.96	-0.35	-0.92	-4.32	3.97	Pm+Pb	99.50	24.06
9	Inside	18511	3.27	2.41	18.85	0.61	-1.92	2.49	19.43	3.49	1.60	17.83	Pm+Pb	99.50	4.58
	Middle	18518	0.41	-0.24	6.27	-1.19	-1.38	0.21	6.58	1.14	-1.28	7.86	Pm	69.65	7.86
	Outside	18525	-1.76	-2.36	-5.61	-2.94	-1.62	-1.36	0.90	-3.18	-7.45	8.35	Pm+Pb	99.50	10.91
10	Inside	27109	-2.27	0.68	11.16	-0.90	-4.84	-2.17	13.24	-0.11	-3.57	16.81	Pm+Pb	99.50	4.92
	Middle	27111	-4.50	-1.95	2.07	-3.44	-0.90	-0.34	2.30	0.28	-6.96	9.26	Pm	69.65	6.52
	Outside	27113	-6.49	-3.78	-6.75	-5.25	1.66	1.79	0.30	-5.57	-11.74	12.04	Pm+Pb	99.50	7.26
11	Inside	27158	-10.43	-1.98	3.40	-1.04	-2.70	-0.50	4.52	-2.93	-10.61	15.13	Pm+Pb	99.50	5.57
	Middle	27157	-5.86	-2.99	-1.56	-0.86	-2.94	-0.19	0.77	-4.74	-6.43	7.20	Pm	69.65	8.67
	Outside	27156	-4.03	-3.68	-7.11	-0.74	-3.61	-1.53	-1.38	-3.56	-9.88	8.50	Pm+Pb	99.50	10.71

TABLE 2.10.6-198 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	5.58	-0.24	-9.30	-0.53	0.21	0.12	5.62	-0.28	-9.31	14.93	Pm+Pb	99.50	5.66
	Middle	11616	-0.09	0.05	-11.76	0.10	0.32	-0.08	0.10	-0.14	-11.77	11.87	Pm	69.65	4.87
	Outside	11615	-4.80	-0.31	-15.70	0.53	0.34	-0.24	-0.24	-4.86	-15.72	15.48	Pm+Pb	99.50	5.43
4	Inside	11529	2.10	1.29	-9.15	-1.65	-0.35	0.50	3.42	0.00	-9.18	12.60	Pm+Pb	99.50	6.90
	Middle	11531	-0.26	-0.58	-11.26	0.03	-0.34	0.38	-0.24	-0.57	-11.28	11.04	Pm	69.65	5.31
	Outside	11533	-1.30	-1.12	-11.65	1.46	-0.12	0.55	0.26	-2.65	-11.68	11.94	Pm+Pb	99.50	7.33
5	Inside	2748	-3.75	-3.80	-9.62	2.78	-0.41	0.48	-0.99	-6.43	-9.75	8.76	Pm+Pb	99.50	10.36
	Middle	2755	-0.44	-0.49	-7.89	-0.29	-1.02	1.15	0.13	-0.76	-8.19	8.31	Pm	69.65	7.38
	Outside	2762	3.39	3.34	-5.10	-3.16	-1.64	1.80	7.02	0.21	-5.59	12.60	Pm+Pb	99.50	6.89
6	Inside	2965	0.75	1.76	-3.81	-1.39	-2.28	1.91	3.88	-0.21	-4.97	8.84	Pm+Pb	99.50	10.25
	Middle	2967	-0.57	0.05	-4.94	-0.16	-2.70	2.28	1.83	-0.50	-6.79	8.63	Pm	69.65	7.08
	Outside	2969	-0.73	-0.57	-4.57	0.86	-2.94	2.77	1.30	0.19	-7.36	8.65	Pm+Pb	99.50	10.50
7	Inside	3053	-0.28	5.14	-2.13	-0.13	-5.30	0.03	7.94	-0.28	-4.92	12.86	Pm+Pb	99.50	6.74
	Middle	3052	0.01	0.39	-3.59	-0.14	-3.92	0.15	2.81	0.00	-5.99	8.81	Pm	69.65	6.91
	Outside	3051	-0.35	-3.57	-6.61	-0.14	-2.96	0.18	-0.32	-1.79	-8.42	8.10	Pm+Pb	99.50	11.29
8	Inside	20093	-0.65	-0.45	-2.65	-0.39	-4.82	-4.47	4.84	-0.17	-8.42	13.26	Pm+Pb	99.50	6.50
	Middle	20095	-0.47	-0.23	-2.90	-0.11	-2.92	-2.56	2.40	-0.26	-5.74	8.14	Pm	69.65	7.55
	Outside	20097	0.51	0.71	-1.92	0.12	-1.06	-0.85	1.32	0.47	-2.49	3.81	Pm+Pb	99.50	25.12
9	Inside	19876	-2.38	-3.00	-1.31	-1.61	-4.45	-3.66	3.13	-1.05	-8.77	11.90	Pm+Pb	99.50	7.36
	Middle	19883	-0.94	-1.53	-2.02	-0.39	-3.22	-2.39	2.16	-0.78	-5.88	8.04	Pm	69.65	7.66
	Outside	19890	0.95	0.44	-1.70	0.65	-1.89	-1.16	2.46	0.15	-2.93	5.39	Pm+Pb	99.50	17.46
10	Inside	28657	-0.11	0.28	-0.83	0.25	-0.69	-0.27	0.75	-0.23	-1.18	1.93	Pm+Pb	99.50	50.61
	Middle	28659	-1.38	-0.81	-1.30	-0.67	-2.64	-2.31	2.03	-0.48	-5.04	7.07	Pm	69.65	8.85
	Outside	28661	-1.98	-1.49	-0.81	-1.45	-4.33	-4.28	4.21	-0.29	-8.20	12.41	Pm+Pb	99.50	7.01
11	Inside	28745	-2.34	-0.67	-2.37	-0.27	-0.33	-0.13	-0.57	-2.23	-2.58	2.01	Pm+Pb	99.50	48.62
	Middle	28744	-0.71	-0.19	-1.56	-0.15	-0.46	-0.70	-0.04	-0.35	-2.08	2.04	Pm	69.65	33.22
	Outside	28743	-0.06	-0.13	-2.29	0.09	-0.70	-0.97	0.51	-0.19	-2.80	3.31	Pm+Pb	99.50	29.04

TABLE 2.10.6-199 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	3.55	-0.26	-12.94	-0.43	0.03	0.01	3.60	-0.31	-12.94	16.54	Pm+Pb	99.50	5.02
	Middle	11751	0.59	-0.11	-14.17	-0.09	0.03	0.04	0.60	-0.12	-14.17	14.77	Pm	69.65	3.71
	Outside	11750	-1.52	0.01	-15.17	0.15	0.03	0.07	0.03	-1.54	-15.17	15.20	Pm+Pb	99.50	5.55
4	Inside	11583	0.64	-0.21	-13.08	-0.32	0.04	0.00	0.75	-0.32	-13.08	13.83	Pm+Pb	99.50	6.19
	Middle	11585	0.66	-0.09	-13.37	-0.34	-0.19	0.24	0.80	-0.22	-13.37	14.18	Pm	69.65	3.91
	Outside	11587	0.78	0.10	-13.60	-0.42	-0.41	0.47	1.00	-0.10	-13.63	14.63	Pm+Pb	99.50	5.80
5	Inside	2937	-2.81	-2.64	-11.89	2.33	-0.30	0.30	-0.39	-5.03	-11.92	11.53	Pm+Pb	99.50	7.63
	Middle	2944	0.17	0.36	-10.60	-0.53	-0.61	0.60	0.86	-0.27	-10.67	11.53	Pm	69.65	5.04
	Outside	2951	3.12	3.31	-9.35	-3.36	-0.92	0.90	6.68	-0.14	-9.45	16.12	Pm+Pb	99.50	5.17
6	Inside	3019	2.99	5.43	-5.31	-4.35	-0.96	0.83	8.84	-0.30	-5.43	14.27	Pm+Pb	99.50	5.97
	Middle	3021	-0.35	0.99	-8.29	-0.36	-1.00	0.88	1.23	-0.40	-8.48	9.71	Pm	69.65	6.17
	Outside	3023	-3.03	-2.56	-10.80	2.86	-1.05	0.94	0.08	-5.31	-11.16	11.25	Pm+Pb	99.50	7.85
7	Inside	3188	0.38	15.26	-1.45	-0.07	-1.68	-0.01	15.42	0.38	-1.62	17.04	Pm+Pb	99.50	4.84
	Middle	3187	0.39	0.51	-6.09	-0.06	-1.51	-0.01	0.85	0.38	-6.42	7.27	Pm	69.65	8.59
	Outside	3186	0.39	-9.81	-9.42	-0.05	-1.39	-0.01	0.39	-8.21	-11.01	11.41	Pm+Pb	99.50	7.72
8	Inside	20147	1.94	4.25	-1.92	3.05	-1.34	-1.24	6.74	-0.13	-2.33	9.07	Pm+Pb	99.50	9.97
	Middle	20149	-0.28	1.26	-3.14	0.42	-1.20	-1.10	1.81	-0.25	-3.72	5.53	Pm	69.65	11.60
	Outside	20151	-1.97	-1.03	-3.97	-1.63	-1.08	-0.99	0.21	-2.11	-5.08	5.30	Pm+Pb	99.50	17.79
9	Inside	20065	-3.76	-3.77	-1.23	-3.67	-1.30	-1.33	-0.10	-0.72	-7.95	7.85	Pm+Pb	99.50	11.68
	Middle	20072	0.75	0.78	2.00	0.85	-0.99	-1.01	3.23	0.38	-0.08	3.32	Pm	69.65	20.00
	Outside	20079	5.25	5.32	5.21	5.35	-0.68	-0.70	10.81	5.04	-0.07	10.88	Pm+Pb	99.50	8.15
10	Inside	28711	3.23	1.07	7.66	2.16	-0.71	-0.75	7.97	4.26	-0.27	8.23	Pm+Pb	99.50	11.08
	Middle	28713	1.53	-0.05	7.44	0.73	-0.42	-0.43	7.50	1.77	-0.34	7.85	Pm	69.65	7.88
	Outside	28715	0.30	-0.82	7.45	-0.32	-0.14	-0.13	7.46	0.39	-0.91	8.37	Pm+Pb	99.50	10.89
11	Inside	28880	10.52	-0.02	10.84	1.03	-0.05	-0.13	10.91	10.55	-0.11	11.02	Pm+Pb	99.50	8.03
	Middle	28879	1.22	0.10	9.02	0.07	-0.05	-0.07	9.02	1.23	0.09	8.93	Pm	69.65	6.80
	Outside	28878	-5.34	0.20	7.98	-0.60	-0.05	-0.02	7.98	0.26	-5.41	13.39	Pm+Pb	99.50	6.43

TABLE 2.10.6-200 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	1.88	-0.36	-13.86	-0.28	0.01	0.01	1.92	-0.39	-13.86	15.78	Pm+Pb	99.50	5.31
	Middle	12213	0.63	-0.18	-14.60	-0.11	0.01	0.02	0.65	-0.20	-14.60	15.25	Pm	69.65	3.57
	Outside	12212	-0.28	-0.04	-15.26	0.02	0.01	0.03	-0.04	-0.28	-15.26	15.22	Pm+Pb	99.50	5.54
4	Inside	12045	0.00	-0.61	-13.76	0.19	0.01	0.01	0.06	-0.66	-13.76	13.81	Pm+Pb	99.50	6.20
	Middle	12047	0.61	-0.04	-13.75	-0.35	-0.10	0.12	0.76	-0.19	-13.75	14.51	Pm	69.65	3.80
	Outside	12049	1.19	0.51	-13.75	-0.85	-0.21	0.23	1.78	-0.07	-13.75	15.53	Pm+Pb	99.50	5.41
5	Inside	3399	-2.36	-2.19	-11.84	2.13	-0.16	0.13	-0.15	-4.40	-11.85	11.70	Pm+Pb	99.50	7.50
	Middle	3406	0.23	0.42	-10.80	-0.44	-0.28	0.26	0.78	-0.12	-10.82	11.60	Pm	69.65	5.01
	Outside	3413	2.82	3.01	-9.77	-2.99	-0.40	0.38	5.93	-0.07	-9.79	15.71	Pm+Pb	99.50	5.33
6	Inside	3481	3.17	5.60	-5.22	-4.46	-0.34	0.31	9.02	-0.24	-5.23	14.25	Pm+Pb	99.50	5.98
	Middle	3483	-0.33	0.97	-8.30	-0.33	-0.36	0.33	1.06	-0.40	-8.33	9.39	Pm	69.65	6.42
	Outside	3485	-3.15	-2.74	-10.90	3.03	-0.39	0.35	0.09	-5.92	-10.95	11.05	Pm+Pb	99.50	8.01
7	Inside	3650	0.39	15.36	-1.26	-0.06	-0.49	0.00	15.37	0.39	-1.27	16.64	Pm+Pb	99.50	4.98
	Middle	3649	0.39	0.43	-5.96	-0.05	-0.50	0.00	0.50	0.37	-5.99	6.49	Pm	69.65	9.73
	Outside	3648	0.39	-10.02	-9.32	-0.04	-0.51	0.00	0.39	-9.05	-10.29	10.68	Pm+Pb	99.50	8.31
8	Inside	20609	2.28	4.62	-1.32	3.36	-0.34	-0.31	7.04	-0.11	-1.35	8.39	Pm+Pb	99.50	10.86
	Middle	20611	-0.27	1.20	-2.77	0.37	-0.36	-0.33	1.33	-0.34	-2.84	4.17	Pm	69.65	15.70
	Outside	20613	-2.25	-1.44	-3.81	-1.99	-0.37	-0.34	0.19	-3.34	-4.35	4.53	Pm+Pb	99.50	20.95
9	Inside	20527	-3.48	-3.42	-0.07	-3.36	-0.40	-0.43	-0.01	-0.09	-6.86	6.85	Pm+Pb	99.50	13.53
	Middle	20534	0.64	0.74	2.91	0.76	-0.25	-0.27	3.00	1.37	-0.08	3.07	Pm	69.65	21.67
	Outside	20541	4.75	4.88	5.88	4.88	-0.09	-0.11	9.70	5.88	-0.06	9.76	Pm+Pb	99.50	9.19
10	Inside	29173	2.31	0.53	8.65	1.45	-0.29	-0.30	8.68	3.09	-0.28	8.97	Pm+Pb	99.50	10.10
	Middle	29175	1.36	-0.03	8.84	0.68	-0.10	-0.10	8.84	1.63	-0.31	9.15	Pm	69.65	6.61
	Outside	29177	0.72	-0.35	9.19	0.15	0.08	0.09	9.19	0.74	-0.37	9.57	Pm+Pb	99.50	9.40
11	Inside	29342	8.19	-0.12	11.63	0.82	-0.02	-0.05	11.63	8.27	-0.20	11.83	Pm+Pb	99.50	7.41
	Middle	29341	1.16	0.01	10.52	0.09	-0.02	-0.01	10.52	1.17	0.01	10.52	Pm	69.65	5.62
	Outside	29340	-3.82	0.13	10.02	-0.43	-0.02	0.01	10.02	0.18	-3.86	13.88	Pm+Pb	99.50	6.17

TABLE 2.10.6-201 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT DROP AT 78 DEGREES
(T= 200°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	1.66	-0.40	-13.02	-0.28	-0.01	-0.01	1.69	-0.43	-13.02	14.72	Pm+Pb	99.50	5.76
	Middle	12675	0.63	-0.21	-13.68	-0.12	-0.01	-0.02	0.65	-0.23	-13.68	14.33	Pm	69.65	3.86
	Outside	12674	-0.13	-0.06	-14.29	-0.01	-0.01	-0.03	-0.06	-0.13	-14.29	14.23	Pm+Pb	99.50	5.99
4	Inside	12507	0.00	-0.57	-12.79	0.20	0.03	-0.06	0.07	-0.63	-12.79	12.85	Pm+Pb	99.50	6.74
	Middle	12509	0.60	-0.02	-12.78	-0.33	0.12	-0.14	0.75	-0.16	-12.78	13.53	Pm	69.65	4.15
	Outside	12511	1.17	0.52	-12.78	-0.84	0.20	-0.22	1.75	-0.05	-12.79	14.53	Pm+Pb	99.50	5.85
5	Inside	3861	-1.99	-1.85	-10.58	1.92	0.21	-0.21	0.00	-3.83	-10.59	10.59	Pm+Pb	99.50	8.39
	Middle	3868	0.29	0.43	-9.62	-0.38	0.38	-0.38	0.77	-0.02	-9.64	10.42	Pm	69.65	5.69
	Outside	3875	2.57	2.73	-8.65	-2.68	0.55	-0.54	5.37	-0.03	-8.69	14.06	Pm+Pb	99.50	6.08
6	Inside	3943	2.82	4.97	-4.14	-3.90	0.66	-0.57	8.00	-0.14	-4.20	12.20	Pm+Pb	99.50	7.15
	Middle	3945	-0.26	0.90	-6.78	-0.28	0.68	-0.59	1.04	-0.30	-6.89	7.93	Pm	69.65	7.78
	Outside	3947	-2.74	-2.35	-9.00	2.64	0.71	-0.62	0.10	-4.97	-9.22	9.32	Pm+Pb	99.50	9.67
7	Inside	4112	0.27	13.49	-0.48	-0.03	1.36	0.03	13.62	0.27	-0.62	14.24	Pm+Pb	99.50	5.99
	Middle	4111	0.30	0.38	-4.49	-0.03	1.06	0.03	0.60	0.30	-4.71	5.31	Pm	69.65	12.12
	Outside	4110	0.33	-8.83	-7.34	-0.03	0.83	0.03	0.33	-6.97	-9.20	9.53	Pm+Pb	99.50	9.44
8	Inside	21071	2.29	4.40	-0.27	3.24	1.12	1.04	7.07	-0.01	-0.64	7.71	Pm+Pb	99.50	11.91
	Middle	21073	-0.23	1.05	-1.68	0.31	0.85	0.78	1.46	-0.16	-2.15	3.61	Pm	69.65	18.30
	Outside	21075	-2.20	-1.56	-2.69	-2.02	0.60	0.54	0.17	-2.30	-4.32	4.49	Pm+Pb	99.50	21.16
9	Inside	20989	-2.83	-2.72	0.71	-2.70	0.84	0.81	0.92	-0.07	-5.68	6.60	Pm+Pb	99.50	14.07
	Middle	20996	0.49	0.62	3.14	0.61	0.73	0.71	3.57	0.74	-0.06	3.63	Pm	69.65	18.17
	Outside	21003	3.80	3.95	5.56	3.92	0.63	0.61	8.10	5.26	-0.05	8.14	Pm+Pb	99.50	11.22
10	Inside	29635	1.46	0.14	7.74	0.84	0.28	0.29	7.76	1.84	-0.27	8.03	Pm+Pb	99.50	11.39
	Middle	29637	1.06	-0.02	8.08	0.54	0.30	0.32	8.11	1.26	-0.25	8.36	Pm	69.65	7.33
	Outside	29639	0.86	-0.05	8.52	0.39	0.33	0.35	8.55	0.97	-0.19	8.74	Pm+Pb	99.50	10.38
11	Inside	29804	5.72	-0.24	10.04	0.62	0.01	0.06	10.04	5.78	-0.30	10.35	Pm+Pb	99.50	8.62
	Middle	29803	0.95	-0.08	9.45	0.11	0.01	0.06	9.45	0.96	-0.09	9.54	Pm	69.65	6.30
	Outside	29802	-2.43	0.06	9.24	-0.26	0.00	0.06	9.24	0.08	-2.46	11.70	Pm+Pb	99.50	7.51

TABLE 2.10.6-202 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= 200°F) SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	0.35	4.31	3.98	1.28	3.41	-0.31	7.63	1.63	-0.62	8.25	Pm+Pb	99.50	11.07
	Middle	1390	5.13	1.97	-0.92	0.30	2.28	0.60	5.29	3.07	-2.19	7.49	Pm	69.65	8.30
	Outside	1397	10.67	0.36	-5.08	0.14	1.95	1.40	10.80	0.96	-5.80	16.60	Pm+Pb	99.50	4.99
2	Inside	1417	4.62	0.09	0.34	-0.64	0.52	-1.55	5.23	0.21	-0.39	5.62	Pm+Pb	99.50	16.69
	Middle	1419	1.37	-0.18	-2.61	-0.18	-0.03	1.23	1.74	-0.20	-2.96	4.71	Pm	69.65	13.79
	Outside	1421	-1.70	-0.24	-5.80	0.12	-0.38	3.60	0.40	-0.23	-7.91	8.32	Pm+Pb	99.50	10.96
3	Inside	1466	2.95	2.48	-1.19	-2.56	-1.91	1.44	6.05	0.22	-2.04	8.08	Pm+Pb	99.50	11.31
	Middle	1465	0.52	0.25	-2.07	0.22	-2.44	1.95	2.35	0.63	-4.29	6.64	Pm	69.65	9.49
	Outside	1464	-1.42	-1.26	-2.78	2.15	-2.92	2.52	1.03	0.50	-7.00	8.03	Pm+Pb	99.50	11.39
4	Inside	9981	0.05	2.41	1.14	-1.05	-5.64	0.68	7.65	-0.14	-3.91	11.56	Pm+Pb	99.50	7.61
	Middle	9983	-0.19	-0.04	0.56	-0.54	-4.78	0.53	5.16	-0.29	-4.53	9.69	Pm	69.65	6.19
	Outside	9985	-0.16	-2.26	0.02	-0.10	-4.03	0.27	3.09	-0.18	-5.31	8.40	Pm+Pb	99.50	10.84
5	Inside	9947	0.00	-2.89	1.78	-0.45	-5.82	0.81	5.86	-0.14	-6.83	12.69	Pm+Pb	99.50	6.84
	Middle	9954	-0.27	0.21	3.16	-0.28	-6.29	0.73	8.21	-0.33	-4.79	12.99	Pm	69.65	4.36
	Outside	9961	-0.48	3.36	4.48	-0.09	-6.93	0.59	10.90	-0.46	-3.08	13.97	Pm+Pb	99.50	6.12
6	Inside	27109	-0.05	-2.58	5.06	-0.30	-5.75	0.16	8.15	-0.05	-5.67	13.82	Pm+Pb	99.50	6.20
	Middle	27111	0.16	-3.60	4.97	-0.11	-4.21	0.13	6.70	0.16	-5.32	12.02	Pm	69.65	4.80
	Outside	27113	0.41	-4.62	5.21	-0.19	-3.19	-0.23	6.16	0.41	-5.57	11.73	Pm+Pb	99.50	7.48
7	Inside	18594	-5.88	-5.23	2.10	-4.12	-2.25	-1.06	2.74	-1.62	-10.13	12.87	Pm+Pb	99.50	6.73
	Middle	18593	-2.39	-2.30	1.58	0.38	-1.68	-0.76	2.36	-2.53	-2.95	5.30	Pm	69.65	12.13
	Outside	18592	-0.05	-1.03	0.55	3.01	-1.18	-0.49	3.04	0.10	-3.67	6.71	Pm+Pb	99.50	13.83
8	Inside	18545	-9.51	-3.88	2.49	-2.46	-0.09	3.77	3.65	-3.23	-11.33	14.98	Pm+Pb	99.50	5.64
	Middle	18547	-5.77	-1.54	-0.58	-1.63	0.17	-1.38	0.02	-1.33	-6.59	6.61	Pm	69.65	9.53
	Outside	18549	-1.94	-0.23	-3.92	-1.03	-0.59	-5.72	2.93	-0.14	-8.88	11.81	Pm+Pb	99.50	7.42
9	Inside	18511	2.56	1.97	12.59	-0.76	-0.18	-0.71	12.64	3.06	1.43	11.21	Pm+Pb	99.50	7.87
	Middle	18518	-9.50	2.41	-0.17	1.10	0.83	-0.10	2.74	-0.40	-9.60	12.34	Pm	69.65	4.64
	Outside	18525	-20.90	3.48	-11.58	1.79	0.98	0.06	3.67	-11.64	-21.03	24.70	Pm+Pb	99.50	3.03

TABLE 2.10.6-203 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= 200°F) SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-14.30	-1.37	-14.30	-0.55	-0.22	0.35	-1.34	-13.97	-14.66	13.32	Pm+Pb	99.50	6.47
	Middle	2755	1.16	-0.79	-9.24	-0.53	-0.16	0.29	1.30	-0.92	-9.25	10.56	Pm	69.65	5.60
	Outside	2762	16.27	-0.14	-4.34	-0.61	-0.24	0.31	16.29	-0.15	-4.35	20.65	Pm+Pb	99.50	3.82
2	Inside	2965	3.37	-0.06	-7.97	-0.79	-0.07	1.52	3.74	-0.23	-8.17	11.91	Pm+Pb	99.50	7.36
	Middle	2967	0.90	-0.22	-9.66	-0.57	-0.19	2.43	1.63	-0.41	-10.20	11.83	Pm	69.65	4.89
	Outside	2969	-0.44	0.18	-10.45	-0.26	-0.02	3.18	0.63	0.04	-11.37	12.01	Pm+Pb	99.50	7.29
3	Inside	3053	4.91	5.11	-4.26	-4.91	-1.94	1.96	10.44	0.10	-4.77	15.21	Pm+Pb	99.50	5.54
	Middle	3052	0.41	0.51	-7.43	-0.28	-3.24	3.29	2.82	0.18	-9.51	12.33	Pm	69.65	4.65
	Outside	3051	-2.87	-2.84	-9.97	3.03	-4.55	4.55	0.18	-1.18	-14.67	14.85	Pm+Pb	99.50	5.70
4	Inside	11529	0.02	5.41	-3.49	-0.92	-3.67	0.18	6.85	-0.10	-4.81	11.66	Pm+Pb	99.50	7.53
	Middle	11531	-0.28	0.89	-4.26	-0.59	-6.81	0.12	5.65	-0.33	-8.98	14.63	Pm	69.65	3.76
	Outside	11533	-0.41	-2.70	-4.73	-0.18	-9.85	0.58	6.24	-0.44	-13.62	19.86	Pm+Pb	99.50	4.01
5	Inside	11312	-0.03	-1.39	-1.75	0.16	-7.90	-0.45	6.36	-0.05	-9.48	15.84	Pm+Pb	99.50	5.28
	Middle	11319	-0.03	0.94	1.69	0.16	-9.23	-0.44	10.57	-0.04	-7.92	18.49	Pm	69.65	2.77
	Outside	11326	-0.01	3.27	5.10	0.17	-10.53	-0.40	14.77	-0.02	-6.39	21.16	Pm+Pb	99.50	3.70
6	Inside	28657	0.23	10.35	7.88	0.91	-14.54	-1.04	23.79	0.16	-5.48	29.27	Pm+Pb	99.50	2.40
	Middle	28659	-0.62	0.31	7.73	0.33	-10.70	-1.00	15.40	-0.67	-7.32	22.72	Pm	69.65	2.07
	Outside	28661	-1.41	-7.80	8.08	-0.13	-7.02	-0.38	10.75	-1.41	-10.47	21.22	Pm+Pb	99.50	3.69
7	Inside	20181	-0.66	0.97	7.26	0.58	-14.47	-14.95	25.06	-0.39	-17.10	42.16	Pm+Pb	99.50	1.36
	Middle	20180	-0.59	0.86	8.39	0.29	-6.39	-6.79	14.53	-0.05	-5.83	20.36	Pm	69.65	2.42
	Outside	20179	-0.33	0.95	10.05	0.01	-0.07	-0.15	10.05	0.95	-0.34	10.38	Pm+Pb	99.50	8.58
8	Inside	20093	-8.97	-0.93	6.66	-0.91	-1.33	-20.56	20.85	-0.84	-23.25	44.10	Pm+Pb	99.50	1.26
	Middle	20095	-0.90	0.09	7.50	-0.41	-1.29	-4.16	9.33	0.23	-2.87	12.21	Pm	69.65	4.71
	Outside	20097	5.19	-0.02	7.08	0.21	0.30	11.20	17.38	-0.02	-5.10	22.48	Pm+Pb	99.50	3.43
9	Inside	19876	-2.22	-0.90	15.81	0.14	-3.38	-1.56	16.60	-1.53	-2.38	18.98	Pm+Pb	99.50	4.24
	Middle	19883	-2.68	-0.65	7.40	0.17	-3.43	-0.20	8.67	-1.90	-2.70	11.37	Pm	69.65	5.13
	Outside	19890	-3.26	-0.65	-1.14	-0.20	-2.90	0.82	2.11	-3.06	-4.09	6.20	Pm+Pb	99.50	15.05

TABLE 2.10.6-204 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= 200°F) SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-12.47	-0.01	-21.02	0.00	0.02	0.12	-0.01	-12.46	-21.02	21.01	Pm+Pb	99.50	3.74
	Middle	2944	-0.60	-0.01	-18.53	0.00	0.01	0.14	-0.01	-0.60	-18.53	18.52	Pm	69.65	2.76
	Outside	2951	11.29	0.00	-16.00	0.00	0.00	0.15	11.29	0.00	-16.00	27.29	Pm+Pb	99.50	2.65
2	Inside	3019	-9.05	-0.61	-20.94	0.11	-0.09	1.61	-0.61	-8.84	-21.15	20.54	Pm+Pb	99.50	3.84
	Middle	3021	0.02	-0.41	-19.21	-0.35	-0.09	1.86	0.36	-0.58	-19.39	19.75	Pm	69.65	2.53
	Outside	3023	7.71	-0.21	-17.89	-0.71	-0.09	2.12	7.95	-0.28	-18.06	26.01	Pm+Pb	99.50	2.83
3	Inside	3188	-1.57	-0.27	-17.43	0.40	-1.89	1.87	-0.04	-1.37	-17.86	17.82	Pm+Pb	99.50	4.58
	Middle	3187	-0.38	0.61	-17.79	-0.43	-1.97	1.94	1.12	-0.48	-18.20	19.33	Pm	69.65	2.60
	Outside	3186	0.47	1.21	-18.34	-0.99	-2.08	2.05	2.30	-0.20	-18.75	21.05	Pm+Pb	99.50	3.73
4	Inside	11583	0.01	5.08	-10.94	-0.14	-3.29	0.16	5.73	0.01	-11.59	17.32	Pm+Pb	99.50	4.74
	Middle	11585	0.05	1.06	-12.69	0.08	-3.39	0.15	1.85	0.06	-13.49	15.33	Pm	69.65	3.54
	Outside	11587	0.08	-2.36	-14.26	0.25	-3.51	0.15	0.11	-1.43	-15.22	15.34	Pm+Pb	99.50	5.49
5	Inside	11501	-0.05	14.16	4.34	0.49	-3.99	0.00	15.59	2.94	-0.07	15.66	Pm+Pb	99.50	5.35
	Middle	11508	-0.04	2.52	-0.54	0.49	-3.82	0.00	5.13	-0.05	-3.15	8.29	Pm	69.65	7.41
	Outside	11515	-0.03	-9.13	-5.43	0.49	-3.66	0.00	0.00	-3.20	-11.39	11.39	Pm+Pb	99.50	7.73
6	Inside	28711	1.10	39.20	23.45	2.97	-3.37	-0.11	40.11	22.77	0.87	39.24	Pm+Pb	99.50	1.54
	Middle	28713	0.85	2.32	11.25	0.75	-2.90	-0.09	12.12	1.91	0.40	11.72	Pm	69.65	4.94
	Outside	28715	0.65	-28.08	0.96	-0.99	-2.50	-0.08	1.17	0.69	-28.33	29.50	Pm+Pb	99.50	2.37
7	Inside	20316	14.19	18.24	26.37	15.15	-1.54	-1.45	32.26	25.61	0.93	31.33	Pm+Pb	99.50	2.18
	Middle	20315	-0.39	2.74	18.38	0.24	-1.46	-1.37	18.62	2.61	-0.50	19.11	Pm	69.65	2.64
	Outside	20314	-10.60	-8.21	13.04	-10.24	-1.41	-1.32	13.16	0.91	-19.83	32.99	Pm+Pb	99.50	2.02
8	Inside	20147	-7.76	-0.63	16.27	2.40	-0.03	-0.84	16.30	0.10	-8.51	24.81	Pm+Pb	99.50	3.01
	Middle	20149	1.97	-0.43	21.87	2.58	-0.05	-1.37	21.97	3.55	-2.10	24.06	Pm	69.65	1.89
	Outside	20151	11.20	-0.09	27.36	2.73	-0.07	-1.88	27.58	11.61	-0.73	28.31	Pm+Pb	99.50	2.52
9	Inside	20065	-49.17	-0.60	2.08	0.34	0.14	-0.06	2.09	-0.60	-49.17	51.27	Pm+Pb	99.50	0.94
	Middle	20072	2.48	-0.46	21.13	0.33	0.12	-0.12	21.13	2.52	-0.50	21.63	Pm	69.65	2.22
	Outside	20079	54.07	-0.33	40.13	0.32	0.11	-0.19	54.07	40.12	-0.33	54.40	Pm+Pb	99.50	0.83

TABLE 2.10.6-205 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= 200°F) SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-13.05	0.07	-23.29	0.01	0.01	0.04	0.07	-13.05	-23.29	23.36	Pm+Pb	99.50	3.26
	Middle	3406	-0.51	0.03	-20.73	-0.01	0.00	0.05	0.03	-0.51	-20.73	20.76	Pm	69.65	2.35
	Outside	3413	12.05	0.00	-18.14	-0.01	0.00	0.06	12.05	0.00	-18.14	30.20	Pm+Pb	99.50	2.30
2	Inside	3481	-8.94	-0.73	-22.95	0.01	-0.06	0.80	-0.73	-8.89	-22.99	22.26	Pm+Pb	99.50	3.47
	Middle	3483	0.10	-0.49	-21.43	-0.43	-0.06	0.71	0.35	-0.71	-21.45	21.81	Pm	69.65	2.19
	Outside	3485	7.78	-0.24	-20.33	-0.77	-0.06	0.63	7.87	-0.32	-20.35	28.22	Pm+Pb	99.50	2.53
3	Inside	3650	-0.81	0.58	-18.62	-0.32	-1.08	1.02	0.74	-0.85	-18.73	19.47	Pm+Pb	99.50	4.11
	Middle	3649	-0.35	0.71	-19.50	-0.43	-0.73	0.67	0.91	-0.50	-19.55	20.46	Pm	69.65	2.40
	Outside	3648	-0.01	0.78	-20.45	-0.48	-0.44	0.39	1.03	-0.24	-20.46	21.49	Pm+Pb	99.50	3.63
4	Inside	12045	0.05	6.42	-11.71	-0.28	-1.84	0.06	6.62	0.04	-11.89	18.51	Pm+Pb	99.50	4.37
	Middle	12047	0.08	1.14	-13.55	0.01	-1.14	0.05	1.23	0.08	-13.64	14.87	Pm	69.65	3.68
	Outside	12049	0.12	-3.30	-15.15	0.24	-0.49	0.03	0.13	-3.30	-15.17	15.30	Pm+Pb	99.50	5.50
5	Inside	11963	-0.05	13.44	3.70	0.41	-1.58	0.04	13.70	3.46	-0.06	13.76	Pm+Pb	99.50	6.23
	Middle	11970	-0.04	2.50	-0.11	0.41	-1.11	0.04	2.96	-0.02	-0.58	3.53	Pm	69.65	18.70
	Outside	11977	-0.03	-8.43	-3.92	0.41	-0.64	0.04	-0.01	-3.83	-8.54	8.52	Pm+Pb	99.50	10.68
6	Inside	29173	0.98	34.91	23.58	2.62	0.04	0.07	35.11	23.58	0.78	34.33	Pm+Pb	99.50	1.90
	Middle	29175	0.75	2.11	13.31	0.65	-0.71	0.06	13.36	2.34	0.48	12.88	Pm	69.65	4.41
	Outside	29177	0.57	-24.95	4.78	-0.89	-1.38	0.04	4.85	0.60	-25.04	29.89	Pm+Pb	99.50	2.33
7	Inside	20778	12.28	15.91	26.78	13.21	0.84	0.93	28.39	25.82	0.76	27.63	Pm+Pb	99.50	2.60
	Middle	20777	-0.39	2.41	20.05	0.22	-0.37	-0.28	20.06	2.41	-0.41	20.47	Pm	69.65	2.40
	Outside	20776	-9.25	-7.13	15.64	-8.91	-1.41	-1.33	15.75	0.78	-17.27	33.03	Pm+Pb	99.50	2.01
8	Inside	20609	-7.52	-0.56	18.07	2.05	0.07	1.65	18.18	-0.01	-8.17	26.35	Pm+Pb	99.50	2.78
	Middle	20611	1.63	-0.38	22.79	2.25	0.03	-0.28	22.79	3.08	-1.84	24.63	Pm	69.65	1.83
	Outside	20613	10.24	-0.09	27.38	2.41	-0.01	-2.08	27.63	10.52	-0.63	28.26	Pm+Pb	99.50	2.52
9	Inside	20527	-43.94	-0.51	6.36	0.29	0.17	0.11	6.37	-0.51	-43.95	50.31	Pm+Pb	99.50	0.98
	Middle	20534	1.86	-0.39	22.33	0.28	0.16	-0.03	22.33	1.89	-0.43	22.76	Pm	69.65	2.06
	Outside	20541	47.61	-0.27	38.28	0.28	0.14	-0.17	47.62	38.28	-0.27	47.89	Pm+Pb	99.50	1.08

TABLE 2.10.6-206 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= 200°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-11.71	-0.29	-21.98	-0.11	-0.02	-0.06	-0.29	-11.71	-21.98	21.69	Pm+Pb	99.50	3.59
	Middle	3868	0.05	-0.19	-19.62	-0.08	-0.02	-0.08	0.07	-0.21	-19.62	19.69	Pm	69.65	2.54
	Outside	3875	11.76	-0.09	-17.29	-0.07	-0.02	-0.11	11.76	-0.09	-17.29	29.05	Pm+Pb	99.50	2.42
2	Inside	3943	-4.83	-0.60	-20.38	-0.32	0.02	-0.62	-0.58	-4.83	-20.40	19.83	Pm+Pb	99.50	4.02
	Middle	3945	0.38	-0.39	-20.00	-0.53	0.03	-1.15	0.70	-0.65	-20.06	20.77	Pm	69.65	2.35
	Outside	3947	4.89	-0.17	-19.82	-0.69	0.04	-1.66	5.09	-0.26	-19.93	25.02	Pm+Pb	99.50	2.98
3	Inside	4112	1.35	2.38	-15.94	-2.13	0.69	-0.70	4.10	-0.33	-15.99	20.09	Pm+Pb	99.50	3.95
	Middle	4111	-0.15	0.63	-17.78	-0.35	1.24	-1.25	0.91	-0.26	-17.95	18.85	Pm	69.65	2.69
	Outside	4110	-1.20	-0.62	-19.37	0.92	1.74	-1.75	0.06	-1.54	-19.71	19.77	Pm+Pb	99.50	4.03
4	Inside	12507	0.09	6.79	-10.26	-0.52	1.27	-0.10	6.92	0.05	-10.35	17.28	Pm+Pb	99.50	4.76
	Middle	12509	0.11	0.96	-12.03	-0.17	2.25	-0.11	1.37	0.08	-12.41	13.78	Pm	69.65	4.06
	Outside	12511	0.14	-3.85	-13.50	0.11	3.17	-0.12	0.14	-2.90	-14.45	14.59	Pm+Pb	99.50	5.82
5	Inside	12425	-0.05	7.53	2.13	0.22	2.17	0.05	8.30	1.37	-0.06	8.36	Pm+Pb	99.50	10.91
	Middle	12432	-0.04	1.82	0.36	0.22	2.66	0.05	3.86	-0.05	-1.67	5.53	Pm	69.65	11.59
	Outside	12439	-0.03	-3.89	-1.40	0.22	3.14	0.05	0.77	-0.06	-6.03	6.79	Pm+Pb	99.50	13.65
6	Inside	29635	0.61	21.96	18.85	1.76	3.67	0.24	24.50	16.46	0.47	24.03	Pm+Pb	99.50	3.14
	Middle	29637	0.46	1.47	12.64	0.52	2.23	0.21	13.08	1.30	0.19	12.88	Pm	69.65	4.41
	Outside	29639	0.35	-15.39	7.52	-0.45	0.95	0.18	7.56	0.36	-15.44	23.01	Pm+Pb	99.50	3.33
7	Inside	21240	8.31	10.48	22.49	8.96	3.03	3.11	25.24	15.67	0.36	24.88	Pm+Pb	99.50	3.00
	Middle	21239	-0.16	1.51	18.24	0.24	1.16	1.23	18.40	1.44	-0.26	18.66	Pm	69.65	2.73
	Outside	21238	-6.08	-4.82	15.52	-5.90	-0.43	-0.36	15.53	0.48	-11.39	26.93	Pm+Pb	99.50	2.70
8	Inside	21071	-3.71	-0.32	17.46	1.43	0.17	3.68	18.09	0.10	-4.76	22.85	Pm+Pb	99.50	3.35
	Middle	21073	1.22	-0.22	20.32	1.49	0.12	1.14	20.39	2.10	-1.17	21.56	Pm	69.65	2.23
	Outside	21075	5.98	-0.04	23.15	1.55	0.06	-1.20	23.23	6.28	-0.42	23.65	Pm+Pb	99.50	3.21
9	Inside	20989	-27.98	-0.31	9.82	0.18	0.18	0.25	9.82	-0.31	-27.98	37.81	Pm+Pb	99.50	1.63
	Middle	20996	1.40	-0.24	20.01	0.18	0.17	0.08	20.01	1.42	-0.26	20.27	Pm	69.65	2.44
	Outside	21003	30.75	-0.18	30.20	0.17	0.16	-0.10	30.77	30.18	-0.18	30.95	Pm+Pb	99.50	2.21

TABLE 2.10.6-207 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	0.35	4.31	9.38	1.28	3.41	-0.31	11.10	3.17	-0.24	11.34	Pm+Pb	100.00	7.82
	Middle	1390	5.13	1.97	4.48	0.30	2.28	0.60	6.23	4.72	0.62	5.61	Pm	70.00	11.49
	Outside	1397	10.67	0.36	0.32	0.14	1.95	1.40	10.87	2.16	-1.67	12.54	Pm+Pb	100.00	6.97
2	Inside	1417	4.62	0.09	5.74	-0.64	0.52	-1.55	6.91	3.55	-0.01	6.93	Pm+Pb	100.00	13.43
	Middle	1419	1.37	-0.18	2.79	-0.18	-0.03	1.23	3.51	0.68	-0.21	3.72	Pm	70.00	17.84
	Outside	1421	-1.70	-0.24	-0.40	0.12	-0.38	3.60	2.63	-0.23	-4.74	7.36	Pm+Pb	100.00	12.58
3	Inside	1466	2.95	2.48	4.21	-2.56	-1.91	1.44	7.16	2.39	0.08	7.08	Pm+Pb	100.00	13.13
	Middle	1465	0.52	0.25	3.33	0.22	-2.44	1.95	5.24	0.63	-1.78	7.02	Pm	70.00	8.97
	Outside	1464	-1.42	-1.26	2.62	2.15	-2.92	2.52	4.50	0.78	-5.35	9.84	Pm+Pb	100.00	9.16
4	Inside	9981	0.05	2.41	6.54	-1.05	-5.64	0.68	10.61	0.07	-1.67	12.28	Pm+Pb	100.00	7.15
	Middle	9983	-0.19	-0.04	5.96	-0.54	-4.78	0.53	8.67	-0.23	-2.71	11.37	Pm	70.00	5.15
	Outside	9985	-0.16	-2.26	5.42	-0.10	-4.03	0.27	7.16	-0.17	-3.98	11.14	Pm+Pb	100.00	7.97
5	Inside	9947	0.00	-2.89	7.18	-0.45	-5.82	0.81	9.93	-0.08	-5.55	15.48	Pm+Pb	100.00	5.46
	Middle	9954	-0.27	0.21	8.56	-0.28	-6.29	0.73	11.98	-0.32	-3.17	15.15	Pm	70.00	3.62
	Outside	9961	-0.48	3.36	9.88	-0.09	-6.93	0.59	14.30	-0.41	-1.13	15.44	Pm+Pb	100.00	5.48
6	Inside	27109	-0.05	-2.58	10.46	-0.30	-5.75	0.16	12.64	-0.04	-4.77	17.41	Pm+Pb	100.00	4.75
	Middle	27111	0.16	-3.60	10.37	-0.11	-4.21	0.13	11.54	0.16	-4.77	16.31	Pm	70.00	3.29
	Outside	27113	0.41	-4.62	10.61	-0.19	-3.19	-0.23	11.25	0.41	-5.27	16.52	Pm+Pb	100.00	5.05
7	Inside	18594	-5.88	-5.23	7.50	-4.12	-2.25	-1.06	7.89	-1.51	-10.00	17.89	Pm+Pb	100.00	4.59
	Middle	18593	-2.39	-2.30	6.98	0.38	-1.68	-0.76	7.34	-2.28	-2.77	10.12	Pm	70.00	5.92
	Outside	18592	-0.05	-1.03	5.95	3.01	-1.18	-0.49	6.32	2.17	-3.62	9.95	Pm+Pb	100.00	9.05
8	Inside	18545	-9.51	-3.88	7.89	-2.46	-0.09	3.77	8.69	-3.12	-11.09	19.78	Pm+Pb	100.00	4.06
	Middle	18547	-5.77	-1.54	4.82	-1.63	0.17	-1.38	5.01	-1.04	-6.46	11.48	Pm	70.00	5.10
	Outside	18549	-1.94	-0.23	1.48	-1.03	-0.59	-5.72	5.75	-0.01	-6.43	12.18	Pm+Pb	100.00	7.21
9	Inside	18511	2.56	1.97	17.99	-0.76	-0.18	-0.71	18.02	3.07	1.43	16.59	Pm+Pb	100.00	5.03
	Middle	18518	-9.50	2.41	5.23	1.10	0.83	-0.10	5.46	2.28	-9.60	15.06	Pm	70.00	3.65
	Outside	18525	-20.90	3.48	-6.18	1.79	0.98	0.06	3.71	-6.28	-21.03	24.74	Pm+Pb	100.00	3.04

TABLE 2.10.6-208 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-14.30	-1.37	-8.90	-0.55	-0.22	0.35	-1.34	-8.88	-14.35	13.01	Pm+Pb	100.00	6.69
	Middle	2755	1.16	-0.79	-3.84	-0.53	-0.16	0.29	1.31	-0.92	-3.87	5.18	Pm	70.00	12.51
	Outside	2762	16.27	-0.14	1.06	-0.61	-0.24	0.31	16.30	1.10	-0.21	16.50	Pm+Pb	100.00	5.06
2	Inside	2965	3.37	-0.06	-2.57	-0.79	-0.07	1.52	3.90	-0.21	-2.94	6.84	Pm+Pb	100.00	13.63
	Middle	2967	0.90	-0.22	-4.26	-0.57	-0.19	2.43	2.03	-0.38	-5.23	7.26	Pm	70.00	8.64
	Outside	2969	-0.44	0.18	-5.05	-0.26	-0.02	3.18	1.24	0.13	-6.67	7.91	Pm+Pb	100.00	11.64
3	Inside	3053	4.91	5.11	1.14	-4.91	-1.94	1.96	10.71	0.36	0.10	10.62	Pm+Pb	100.00	8.42
	Middle	3052	0.41	0.51	-2.03	-0.28	-3.24	3.29	4.18	0.18	-5.46	9.64	Pm	70.00	6.26
	Outside	3051	-2.87	-2.84	-4.57	3.03	-4.55	4.55	1.24	0.18	-11.69	12.93	Pm+Pb	100.00	6.74
4	Inside	11529	0.02	5.41	1.91	-0.92	-3.67	0.18	7.82	0.14	-0.62	8.44	Pm+Pb	100.00	10.85
	Middle	11531	-0.28	0.89	1.14	-0.59	-6.81	0.12	7.86	-0.29	-5.82	13.68	Pm	70.00	4.12
	Outside	11533	-0.41	-2.70	0.67	-0.18	-9.85	0.58	9.02	-0.44	-11.01	20.03	Pm+Pb	100.00	3.99
5	Inside	11312	-0.03	-1.39	3.65	0.16	-7.90	-0.45	9.45	-0.05	-7.17	16.61	Pm+Pb	100.00	5.02
	Middle	11319	-0.03	0.94	7.09	0.16	-9.23	-0.44	13.75	-0.04	-5.71	19.47	Pm	70.00	2.60
	Outside	11326	-0.01	3.27	10.50	0.17	-10.53	-0.40	18.03	-0.02	-4.25	22.29	Pm+Pb	100.00	3.49
6	Inside	28657	0.23	10.35	13.28	0.91	-14.54	-1.04	26.50	0.16	-2.80	29.30	Pm+Pb	100.00	2.41
	Middle	28659	-0.62	0.31	13.13	0.33	-10.70	-1.00	19.24	-0.67	-5.76	25.00	Pm	70.00	1.80
	Outside	28661	-1.41	-7.80	13.48	-0.13	-7.02	-0.38	15.60	-1.41	-9.91	25.51	Pm+Pb	100.00	2.92
7	Inside	20181	-0.66	0.97	12.66	0.58	-14.47	-14.95	28.34	-0.38	-14.99	43.33	Pm+Pb	100.00	1.31
	Middle	20180	-0.59	0.86	13.79	0.29	-6.39	-6.79	18.57	-0.01	-4.50	23.06	Pm	70.00	2.04
	Outside	20179	-0.33	0.95	15.45	0.01	-0.07	-0.15	15.45	0.95	-0.33	15.78	Pm+Pb	100.00	5.34
8	Inside	20093	-8.97	-0.93	12.06	-0.91	-1.33	-20.56	24.65	-0.84	-21.65	46.30	Pm+Pb	100.00	1.16
	Middle	20095	-0.90	0.09	12.90	-0.41	-1.29	-4.16	14.15	0.23	-2.29	16.45	Pm	70.00	3.26
	Outside	20097	5.19	-0.02	12.48	0.21	0.30	11.20	20.62	-0.02	-2.94	23.56	Pm+Pb	100.00	3.24
9	Inside	19876	-2.22	-0.90	21.21	0.14	-3.38	-1.56	21.82	-1.40	-2.33	24.15	Pm+Pb	100.00	3.14
	Middle	19883	-2.68	-0.65	12.80	0.17	-3.43	-0.20	13.63	-1.46	-2.70	16.33	Pm	70.00	3.29
	Outside	19890	-3.26	-0.65	4.26	-0.20	-2.90	0.82	5.68	-1.97	-3.36	9.04	Pm+Pb	100.00	10.06

TABLE 2.10.6-209 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-12.47	-0.01	-15.62	0.00	0.02	0.12	-0.01	-12.46	-15.62	15.61	Pm+Pb	100.00	5.41
	Middle	2944	-0.60	-0.01	-13.13	0.00	0.01	0.14	-0.01	-0.60	-13.13	13.12	Pm	70.00	4.33
	Outside	2951	11.29	0.00	-10.60	0.00	0.00	0.15	11.29	0.00	-10.60	21.89	Pm+Pb	100.00	3.57
2	Inside	3019	-9.05	-0.61	-15.54	0.11	-0.09	1.61	-0.61	-8.68	-15.91	15.30	Pm+Pb	100.00	5.53
	Middle	3021	0.02	-0.41	-13.81	-0.35	-0.09	1.86	0.42	-0.57	-14.06	14.48	Pm	70.00	3.83
	Outside	3023	7.71	-0.21	-12.49	-0.71	-0.09	2.12	7.99	-0.28	-12.71	20.70	Pm+Pb	100.00	3.83
3	Inside	3188	-1.57	-0.27	-12.03	0.40	-1.89	1.87	0.03	-1.25	-12.65	12.68	Pm+Pb	100.00	6.88
	Middle	3187	-0.38	0.61	-12.39	-0.43	-1.97	1.94	1.26	-0.47	-12.96	14.23	Pm	70.00	3.92
	Outside	3186	0.47	1.21	-12.94	-0.99	-2.08	2.05	2.44	-0.20	-13.50	15.93	Pm+Pb	100.00	5.28
4	Inside	11583	0.01	5.08	-5.54	-0.14	-3.29	0.16	6.02	0.01	-6.48	12.50	Pm+Pb	100.00	7.00
	Middle	11585	0.05	1.06	-7.29	0.08	-3.39	0.15	2.26	0.06	-8.50	10.76	Pm	70.00	5.51
	Outside	11587	0.08	-2.36	-8.86	0.25	-3.51	0.15	0.12	-0.85	-10.40	10.52	Pm+Pb	100.00	8.50
5	Inside	11501	-0.05	14.16	9.74	0.49	-3.99	0.00	16.52	7.40	-0.07	16.58	Pm+Pb	100.00	5.03
	Middle	11508	-0.04	2.52	4.86	0.49	-3.82	0.00	7.69	0.23	-0.59	8.28	Pm	70.00	7.45
	Outside	11515	-0.03	-9.13	-0.03	0.49	-3.66	0.00	1.27	-0.03	-10.43	11.71	Pm+Pb	100.00	7.54
6	Inside	28711	1.10	39.20	28.85	2.97	-3.37	-0.11	40.41	27.87	0.87	39.54	Pm+Pb	100.00	1.53
	Middle	28713	0.85	2.32	16.65	0.75	-2.90	-0.09	17.22	2.15	0.46	16.76	Pm	70.00	3.18
	Outside	28715	0.65	-28.08	6.36	-0.99	-2.50	-0.08	6.54	0.69	-28.30	34.84	Pm+Pb	100.00	1.87
7	Inside	20316	14.19	18.24	31.77	15.15	-1.54	-1.45	33.76	29.52	0.93	32.82	Pm+Pb	100.00	2.05
	Middle	20315	-0.39	2.74	23.78	0.24	-1.46	-1.37	23.96	2.64	-0.48	24.44	Pm	70.00	1.86
	Outside	20314	-10.60	-8.21	18.44	-10.24	-1.41	-1.32	18.54	0.91	-19.81	38.35	Pm+Pb	100.00	1.61
8	Inside	20147	-7.76	-0.63	21.67	2.40	-0.03	-0.84	21.69	0.10	-8.51	30.20	Pm+Pb	100.00	2.31
	Middle	20149	1.97	-0.43	27.27	2.58	-0.05	-1.37	27.35	3.56	-2.09	29.44	Pm	70.00	1.38
	Outside	20151	11.20	-0.09	32.76	2.73	-0.07	-1.88	32.93	11.66	-0.72	33.65	Pm+Pb	100.00	1.97
9	Inside	20065	-49.17	-0.60	7.48	0.34	0.14	-0.06	7.49	-0.60	-49.17	56.66	Pm+Pb	100.00	0.76
	Middle	20072	2.48	-0.46	26.53	0.33	0.12	-0.12	26.53	2.52	-0.50	27.03	Pm	70.00	1.59
	Outside	20079	54.07	-0.33	45.53	0.32	0.11	-0.19	54.08	45.52	-0.33	54.40	Pm+Pb	100.00	0.84

TABLE 2.10.6-210 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-13.05	0.07	-17.89	0.01	0.01	0.04	0.07	-13.05	-17.89	17.96	Pm+Pb	100.00	4.57
	Middle	3406	-0.51	0.03	-15.33	-0.01	0.00	0.05	0.03	-0.51	-15.33	15.36	Pm	70.00	3.56
	Outside	3413	12.05	0.00	-12.74	-0.01	0.00	0.06	12.05	0.00	-12.74	24.80	Pm+Pb	100.00	3.03
2	Inside	3481	-8.94	-0.73	-17.55	0.01	-0.06	0.80	-0.73	-8.86	-17.62	16.89	Pm+Pb	100.00	4.92
	Middle	3483	0.10	-0.49	-16.03	-0.43	-0.06	0.71	0.36	-0.71	-16.06	16.42	Pm	70.00	3.26
	Outside	3485	7.78	-0.24	-14.93	-0.77	-0.06	0.63	7.87	-0.32	-14.95	22.82	Pm+Pb	100.00	3.38
3	Inside	3650	-0.81	0.58	-13.22	-0.32	-1.08	1.02	0.77	-0.84	-13.38	14.15	Pm+Pb	100.00	6.07
	Middle	3649	-0.35	0.71	-14.10	-0.43	-0.73	0.67	0.92	-0.49	-14.16	15.09	Pm	70.00	3.64
	Outside	3648	-0.01	0.78	-15.05	-0.48	-0.44	0.39	1.03	-0.24	-15.07	16.10	Pm+Pb	100.00	5.21
4	Inside	12045	0.05	6.42	-6.31	-0.28	-1.84	0.06	6.70	0.04	-6.57	13.26	Pm+Pb	100.00	6.54
	Middle	12047	0.08	1.14	-8.15	0.01	-1.14	0.05	1.28	0.09	-8.29	9.57	Pm	70.00	6.31
	Outside	12049	0.12	-3.30	-9.75	0.24	-0.49	0.03	0.13	-3.28	-9.79	9.92	Pm+Pb	100.00	9.08
5	Inside	11963	-0.05	13.44	9.10	0.41	-1.58	0.04	13.96	8.59	-0.06	14.02	Pm+Pb	100.00	6.13
	Middle	11970	-0.04	2.50	5.29	0.41	-1.11	0.04	5.68	2.19	-0.11	5.79	Pm	70.00	11.08
	Outside	11977	-0.03	-8.43	1.48	0.41	-0.64	0.04	1.52	-0.01	-8.49	10.01	Pm+Pb	100.00	8.99
6	Inside	29173	0.98	34.91	28.98	2.62	0.04	0.07	35.11	28.98	0.78	34.33	Pm+Pb	100.00	1.91
	Middle	29175	0.75	2.11	18.71	0.65	-0.71	0.06	18.74	2.35	0.48	18.26	Pm	70.00	2.83
	Outside	29177	0.57	-24.95	10.18	-0.89	-1.38	0.04	10.24	0.60	-25.03	35.27	Pm+Pb	100.00	1.84
7	Inside	20778	12.28	15.91	32.18	13.21	0.84	0.93	32.49	27.12	0.76	31.73	Pm+Pb	100.00	2.15
	Middle	20777	-0.39	2.41	25.45	0.22	-0.37	-0.28	25.46	2.42	-0.41	25.87	Pm	70.00	1.71
	Outside	20776	-9.25	-7.13	21.04	-8.91	-1.41	-1.33	21.14	0.78	-17.26	38.39	Pm+Pb	100.00	1.60
8	Inside	20609	-7.52	-0.56	23.47	2.05	0.07	1.65	23.56	-0.01	-8.16	31.71	Pm+Pb	100.00	2.15
	Middle	20611	1.63	-0.38	28.19	2.25	0.03	-0.28	28.19	3.08	-1.84	30.03	Pm	70.00	1.33
	Outside	20613	10.24	-0.09	32.78	2.41	-0.01	-2.08	32.97	10.58	-0.63	33.60	Pm+Pb	100.00	1.98
9	Inside	20527	-43.94	-0.51	11.76	0.29	0.17	0.11	11.77	-0.51	-43.95	55.71	Pm+Pb	100.00	0.79
	Middle	20534	1.86	-0.39	27.73	0.28	0.16	-0.03	27.73	1.89	-0.43	28.16	Pm	70.00	1.49
	Outside	20541	47.61	-0.27	43.68	0.28	0.14	-0.17	47.62	43.67	-0.27	47.89	Pm+Pb	100.00	1.09

TABLE 2.10.6-211 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - MNOP WITH 30 FT SLAPDOWN - DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-11.71	-0.29	-16.58	-0.11	-0.02	-0.06	-0.29	-11.71	-16.58	16.29	Pm+Pb	100.00	5.14
	Middle	3868	0.05	-0.19	-14.22	-0.08	-0.02	-0.08	0.07	-0.21	-14.22	14.30	Pm	70.00	3.90
	Outside	3875	11.76	-0.09	-11.89	-0.07	-0.02	-0.11	11.76	-0.09	-11.89	23.65	Pm+Pb	100.00	3.23
2	Inside	3943	-4.83	-0.60	-14.98	-0.32	0.02	-0.62	-0.58	-4.82	-15.02	14.44	Pm+Pb	100.00	5.92
	Middle	3945	0.38	-0.39	-14.60	-0.53	0.03	-1.15	0.72	-0.64	-14.69	15.41	Pm	70.00	3.54
	Outside	3947	4.89	-0.17	-14.42	-0.69	0.04	-1.66	5.12	-0.26	-14.56	19.68	Pm+Pb	100.00	4.08
3	Inside	4112	1.35	2.38	-10.54	-2.13	0.69	-0.70	4.12	-0.32	-10.61	14.73	Pm+Pb	100.00	5.79
	Middle	4111	-0.15	0.63	-12.38	-0.35	1.24	-1.25	0.96	-0.25	-12.62	13.58	Pm	70.00	4.16
	Outside	4110	-1.20	-0.62	-13.97	0.92	1.74	-1.75	0.07	-1.40	-14.45	14.52	Pm+Pb	100.00	5.89
4	Inside	12507	0.09	6.79	-4.86	-0.52	1.27	-0.10	6.97	0.05	-5.00	11.96	Pm+Pb	100.00	7.36
	Middle	12509	0.11	0.96	-6.63	-0.17	2.25	-0.11	1.60	0.09	-7.25	8.85	Pm	70.00	6.91
	Outside	12511	0.14	-3.85	-8.10	0.11	3.17	-0.12	0.14	-2.16	-9.79	9.94	Pm+Pb	100.00	9.06
5	Inside	12425	-0.05	7.53	7.53	0.22	2.17	0.05	9.70	5.36	-0.06	9.76	Pm+Pb	100.00	9.25
	Middle	12432	-0.04	1.82	5.76	0.22	2.66	0.05	7.10	0.53	-0.10	7.20	Pm	70.00	8.72
	Outside	12439	-0.03	-3.89	4.00	0.22	3.14	0.05	5.10	-0.03	-4.99	10.09	Pm+Pb	100.00	8.91
6	Inside	29635	0.61	21.96	24.25	1.76	3.67	0.24	27.01	19.35	0.47	26.54	Pm+Pb	100.00	2.77
	Middle	29637	0.46	1.47	18.04	0.52	2.23	0.21	18.34	1.42	0.21	18.13	Pm	70.00	2.86
	Outside	29639	0.35	-15.39	12.92	-0.45	0.95	0.18	12.95	0.36	-15.44	28.39	Pm+Pb	100.00	2.52
7	Inside	21240	8.31	10.48	27.89	8.96	3.03	3.11	29.57	16.74	0.37	29.21	Pm+Pb	100.00	2.42
	Middle	21239	-0.16	1.51	23.64	0.24	1.16	1.23	23.76	1.47	-0.24	24.01	Pm	70.00	1.92
	Outside	21238	-6.08	-4.82	20.92	-5.90	-0.43	-0.36	20.93	0.48	-11.39	32.32	Pm+Pb	100.00	2.09
8	Inside	21071	-3.71	-0.32	22.86	1.43	0.17	3.68	23.37	0.12	-4.66	28.02	Pm+Pb	100.00	2.57
	Middle	21073	1.22	-0.22	25.72	1.49	0.12	1.14	25.77	2.11	-1.16	26.94	Pm	70.00	1.60
	Outside	21075	5.98	-0.04	28.55	1.55	0.06	-1.20	28.61	6.30	-0.42	29.03	Pm+Pb	100.00	2.44
9	Inside	20989	-27.98	-0.31	15.22	0.18	0.18	0.25	15.22	-0.31	-27.98	43.21	Pm+Pb	100.00	1.31
	Middle	20996	1.40	-0.24	25.41	0.18	0.17	0.08	25.41	1.42	-0.26	25.67	Pm	70.00	1.73
	Outside	21003	30.75	-0.18	35.60	0.17	0.16	-0.10	35.60	30.75	-0.18	35.78	Pm+Pb	100.00	1.79

TABLE 2.10.6-212 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= 200°F) SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	6.49	0.47	-5.96	-0.85	-0.05	0.49	6.63	0.36	-5.98	12.61	Pm+Pb	99.50	6.89
	Middle	10029	-1.57	0.89	-7.40	-0.02	-0.11	0.34	0.90	-1.55	-7.42	8.32	Pm	69.65	7.37
	Outside	10028	-7.78	0.80	-9.38	0.59	-0.02	0.26	0.84	-7.78	-9.42	10.26	Pm+Pb	99.50	8.70
4	Inside	9981	3.58	2.18	-2.66	-2.56	-1.58	2.78	6.62	0.26	-3.78	10.40	Pm+Pb	99.50	8.57
	Middle	9983	-0.20	-0.55	-5.51	0.19	-1.70	2.19	0.77	-0.27	-6.75	7.51	Pm	69.65	8.27
	Outside	9985	-3.65	-2.96	-8.92	2.89	-1.91	2.10	-0.39	-4.43	-10.70	10.31	Pm+Pb	99.50	8.65
5	Inside	1383	0.97	-0.08	0.86	-0.09	-1.49	2.94	4.16	0.07	-2.48	6.64	Pm+Pb	99.50	13.98
	Middle	1390	2.26	1.42	-0.28	-1.92	-2.23	3.27	6.22	-0.11	-2.71	8.92	Pm	69.65	6.80
	Outside	1397	3.64	3.02	-1.57	-3.71	-2.91	3.77	9.16	-0.36	-3.71	12.87	Pm+Pb	99.50	6.73
6	Inside	1417	-4.19	-3.18	0.66	-1.95	-2.45	2.78	3.35	-4.22	-5.85	9.20	Pm+Pb	99.50	9.82
	Middle	1419	-0.78	0.24	2.60	-2.94	-3.83	3.81	8.05	-2.58	-3.41	11.46	Pm	69.65	5.08
	Outside	1421	1.72	2.91	4.21	-3.22	-5.41	4.91	12.23	-0.93	-2.46	14.69	Pm+Pb	99.50	5.77
7	Inside	1466	0.13	1.74	4.29	-0.47	-5.35	0.06	8.53	0.16	-2.53	11.06	Pm+Pb	99.50	8.00
	Middle	1465	0.41	2.00	3.02	-0.13	-4.52	-0.12	7.06	0.42	-2.05	9.11	Pm	69.65	6.64
	Outside	1464	0.83	2.90	2.48	0.35	-3.93	-0.18	6.65	0.81	-1.25	7.89	Pm+Pb	99.50	11.60
8	Inside	18545	-5.00	-5.05	5.42	-0.51	-3.99	-1.87	6.99	-4.59	-7.03	14.01	Pm+Pb	99.50	6.10
	Middle	18547	-1.11	-1.10	3.91	1.31	-3.13	-2.05	6.21	-1.81	-2.70	8.91	Pm	69.65	6.82
	Outside	18549	1.89	2.28	2.34	2.73	-2.85	-1.85	7.16	0.26	-0.92	8.08	Pm+Pb	99.50	11.31
9	Inside	18511	1.81	-0.06	12.55	-0.55	-0.04	1.29	12.70	1.81	-0.22	12.92	Pm+Pb	99.50	6.70
	Middle	18518	-1.02	-2.42	3.54	-3.07	-1.31	-1.23	3.92	1.42	-5.24	9.16	Pm	69.65	6.61
	Outside	18525	-3.23	-4.54	-4.53	-5.56	-3.08	-3.39	1.77	-1.87	-12.19	13.96	Pm+Pb	99.50	6.13
10	Inside	27109	-4.33	-0.26	5.66	-3.10	-4.79	-4.71	8.94	1.04	-8.91	17.85	Pm+Pb	99.50	4.58
	Middle	27111	-6.12	-3.04	-0.45	-5.84	-0.10	-0.33	1.46	-0.45	-10.63	12.09	Pm	69.65	4.76
	Outside	27113	-7.65	-4.67	-6.03	-7.09	3.37	3.66	1.10	-3.55	-15.90	17.00	Pm+Pb	99.50	4.85
11	Inside	27158	-15.34	-2.78	0.41	-2.36	-1.72	-0.81	1.16	-3.03	-15.84	17.00	Pm+Pb	99.50	4.85
	Middle	27157	-7.96	-5.40	-2.84	-1.94	-1.23	0.05	-2.23	-4.92	-9.05	6.82	Pm	69.65	9.21
	Outside	27156	-5.92	-7.55	-7.64	-1.80	-0.94	0.83	-4.32	-7.94	-8.85	4.53	Pm+Pb	99.50	20.96

TABLE 2.10.6-213 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= 200°F) SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	11.15	0.20	-9.97	-1.08	-0.03	0.21	11.26	0.09	-9.97	21.23	Pm+Pb	99.50	3.69
	Middle	11616	0.29	0.26	-14.23	0.01	0.00	0.25	0.29	0.26	-14.24	14.53	Pm	69.65	3.79
	Outside	11615	-7.55	0.25	-17.68	0.79	-0.03	0.26	0.33	-7.63	-17.69	18.02	Pm+Pb	99.50	4.52
4	Inside	11529	4.20	2.50	-10.36	-3.24	-0.79	0.93	6.79	0.00	-10.44	17.23	Pm+Pb	99.50	4.77
	Middle	11531	0.62	-0.28	-13.24	-0.50	-1.36	1.33	1.07	-0.47	-13.50	14.56	Pm	69.65	3.78
	Outside	11533	-2.02	-2.03	-15.22	1.75	-1.60	2.14	-0.26	-3.20	-15.81	15.55	Pm+Pb	99.50	5.40
5	Inside	2748	-3.87	-3.99	-8.88	3.75	-0.91	1.02	-0.18	-6.79	-9.77	9.59	Pm+Pb	99.50	9.38
	Middle	2755	0.73	0.62	-5.85	-0.74	-2.34	2.38	2.71	-0.06	-7.15	9.87	Pm	69.65	6.06
	Outside	2762	5.34	5.24	-2.79	-5.16	-3.75	3.73	12.31	0.13	-4.65	16.95	Pm+Pb	99.50	4.87
6	Inside	2965	1.33	3.47	1.24	-2.68	-5.13	4.13	10.14	-0.43	-3.66	13.80	Pm+Pb	99.50	6.21
	Middle	2967	-0.27	1.28	0.50	-0.92	-5.38	4.34	7.98	-0.55	-5.93	13.91	Pm	69.65	4.01
	Outside	2969	-1.19	-0.43	0.16	0.44	-5.44	4.69	6.72	-0.43	-7.74	14.46	Pm+Pb	99.50	5.88
7	Inside	3053	0.11	10.21	5.62	-0.28	-11.53	-0.40	19.67	0.17	-3.90	23.57	Pm+Pb	99.50	3.22
	Middle	3052	0.18	1.34	3.53	-0.29	-8.52	-0.37	11.03	0.21	-6.19	17.22	Pm	69.65	3.05
	Outside	3051	0.16	-4.88	2.10	-0.30	-6.44	-0.39	5.93	0.18	-8.74	14.67	Pm+Pb	99.50	5.78
8	Inside	20093	-1.72	-1.34	3.78	-1.19	-10.32	-9.73	15.09	-0.35	-14.01	29.10	Pm+Pb	99.50	2.42
	Middle	20095	-0.04	0.67	4.93	0.32	-6.84	-6.17	12.26	-0.04	-6.66	18.92	Pm	69.65	2.68
	Outside	20097	1.52	2.35	5.93	1.68	-3.26	-3.17	9.48	0.46	-0.14	9.61	Pm+Pb	99.50	9.35
9	Inside	19876	-0.90	-2.25	9.18	-1.19	-9.65	-7.97	17.05	-0.27	-10.74	27.79	Pm+Pb	99.50	2.58
	Middle	19883	-0.37	-1.65	6.91	-0.75	-6.90	-5.30	12.26	-0.11	-7.26	19.52	Pm	69.65	2.57
	Outside	19890	0.04	-1.08	4.60	-0.28	-3.92	-2.70	7.33	-0.02	-3.75	11.09	Pm+Pb	99.50	7.98
10	Inside	28657	-0.59	0.29	7.71	0.21	-1.47	-0.76	8.07	0.02	-0.67	8.73	Pm+Pb	99.50	10.39
	Middle	28659	-1.83	-0.79	8.41	-0.90	-5.13	-4.52	11.78	-0.43	-5.56	17.33	Pm	69.65	3.02
	Outside	28661	-3.50	-2.83	8.33	-1.73	-8.09	-8.34	15.09	-1.42	-11.66	26.75	Pm+Pb	99.50	2.72
11	Inside	28745	-6.05	-0.73	5.09	-0.66	-0.23	-0.32	5.11	-0.65	-6.14	11.25	Pm+Pb	99.50	7.84
	Middle	28744	-1.06	-0.27	7.93	-0.12	-0.30	-1.10	8.07	-0.26	-1.22	9.29	Pm	69.65	6.50
	Outside	28743	2.76	0.63	11.47	0.56	-0.74	-1.33	11.73	2.66	0.47	11.26	Pm+Pb	99.50	7.84

TABLE 2.10.6-214 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= 200°F) SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	0.19	-0.46	-20.45	-0.12	0.07	0.02	0.21	-0.48	-20.45	20.66	Pm+Pb	99.50	3.82
	Middle	11751	0.74	-0.26	-21.11	-0.12	0.06	0.09	0.76	-0.27	-21.11	21.87	Pm	69.65	2.18
	Outside	11750	1.09	-0.10	-21.84	-0.12	0.06	0.15	1.11	-0.11	-21.84	22.95	Pm+Pb	99.50	3.34
4	Inside	11583	-1.17	-1.60	-19.68	1.10	0.09	0.01	-0.26	-2.51	-19.68	19.41	Pm+Pb	99.50	4.13
	Middle	11585	0.60	-0.10	-19.40	-0.42	-0.41	0.52	0.81	-0.29	-19.42	20.24	Pm	69.65	2.44
	Outside	11587	2.14	1.24	-19.24	-1.74	-0.89	1.01	3.56	-0.10	-19.31	22.88	Pm+Pb	99.50	3.35
5	Inside	2937	-4.05	-3.67	-14.74	3.06	-0.66	0.66	-0.79	-6.82	-14.84	14.05	Pm+Pb	99.50	6.08
	Middle	2944	-0.06	0.34	-13.42	-0.67	-1.32	1.31	1.08	-0.55	-13.66	14.74	Pm	69.65	3.72
	Outside	2951	3.86	4.27	-12.17	-4.34	-1.99	1.97	8.78	-0.28	-12.54	21.32	Pm+Pb	99.50	3.67
6	Inside	3019	5.35	9.26	-2.78	-7.65	-2.07	1.80	15.61	-0.58	-3.20	18.81	Pm+Pb	99.50	4.29
	Middle	3021	-0.66	1.30	-8.37	-0.46	-2.17	1.92	2.07	-0.59	-9.21	11.27	Pm	69.65	5.18
	Outside	3023	-5.55	-5.11	-13.15	5.41	-2.30	2.05	0.09	-8.65	-15.25	15.34	Pm+Pb	99.50	5.49
7	Inside	3188	0.95	25.62	4.52	-0.16	-3.66	-0.02	26.24	3.90	0.94	25.30	Pm+Pb	99.50	2.93
	Middle	3187	0.83	0.57	-3.54	-0.13	-3.28	-0.02	2.40	0.82	-5.36	7.75	Pm	69.65	7.98
	Outside	3186	0.73	-16.91	-9.33	-0.12	-3.02	-0.02	0.73	-8.28	-17.97	18.70	Pm+Pb	99.50	4.32
8	Inside	20147	3.07	6.69	4.59	4.83	-2.93	-2.70	12.11	2.60	-0.36	12.47	Pm+Pb	99.50	6.98
	Middle	20149	-0.52	1.88	2.83	0.59	-2.61	-2.40	5.81	0.32	-1.94	7.75	Pm	69.65	7.99
	Outside	20151	-3.26	-1.78	1.69	-2.72	-2.33	-2.14	2.97	0.21	-6.53	9.51	Pm+Pb	99.50	9.47
9	Inside	20065	-6.11	-6.13	8.43	-5.97	-2.83	-2.89	9.20	-0.15	-12.85	22.05	Pm+Pb	99.50	3.51
	Middle	20072	1.21	1.27	13.96	1.37	-2.15	-2.20	14.74	1.83	-0.13	14.87	Pm	69.65	3.68
	Outside	20079	8.50	8.65	19.46	8.68	-1.47	-1.52	20.74	15.97	-0.11	20.85	Pm+Pb	99.50	3.77
10	Inside	28711	4.47	1.18	25.42	2.89	-1.55	-1.61	25.67	5.90	-0.51	26.18	Pm+Pb	99.50	2.80
	Middle	28713	2.49	-0.02	25.83	1.26	-0.90	-0.93	25.90	2.95	-0.55	26.45	Pm	69.65	1.63
	Outside	28715	1.10	-0.76	26.52	0.11	-0.31	-0.29	26.53	1.11	-0.77	27.30	Pm+Pb	99.50	2.64
11	Inside	28880	15.33	0.08	31.23	1.42	-0.10	-0.29	31.24	15.45	-0.05	31.28	Pm+Pb	99.50	2.18
	Middle	28879	2.12	0.20	29.30	0.09	-0.10	-0.15	29.30	2.13	0.19	29.11	Pm	69.65	1.39
	Outside	28878	-7.21	0.31	28.49	-0.85	-0.11	-0.05	28.49	0.40	-7.30	35.79	Pm+Pb	99.50	1.78

TABLE 2.10.6-215 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= 200°F) SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-3.42	-0.66	-23.21	0.20	0.03	0.01	-0.65	-3.43	-23.21	22.56	Pm+Pb	99.50	3.41
	Middle	12213	0.84	-0.41	-22.79	-0.17	0.03	0.05	0.86	-0.44	-22.79	23.65	Pm	69.65	1.94
	Outside	12212	3.79	-0.21	-22.79	-0.42	0.03	0.08	3.83	-0.26	-22.79	26.62	Pm+Pb	99.50	2.74
4	Inside	12045	-2.54	-2.46	-21.88	2.21	0.04	0.01	-0.29	-4.71	-21.88	21.59	Pm+Pb	99.50	3.61
	Middle	12047	0.48	0.01	-20.98	-0.43	-0.21	0.26	0.74	-0.25	-20.98	21.73	Pm	69.65	2.21
	Outside	12049	3.04	2.14	-20.32	-2.67	-0.45	0.51	5.31	-0.12	-20.34	25.65	Pm+Pb	99.50	2.88
5	Inside	3399	-3.07	-2.69	-15.38	2.61	-0.35	0.28	-0.25	-5.48	-15.40	15.14	Pm+Pb	99.50	5.57
	Middle	3406	0.09	0.49	-14.61	-0.48	-0.61	0.56	0.85	-0.23	-14.66	15.51	Pm	69.65	3.49
	Outside	3413	3.23	3.64	-13.85	-3.55	-0.88	0.83	7.06	-0.12	-13.92	20.98	Pm+Pb	99.50	3.74
6	Inside	3481	5.74	9.63	-3.33	-7.90	-0.74	0.67	15.87	-0.45	-3.38	19.25	Pm+Pb	99.50	4.17
	Middle	3483	-0.63	1.25	-9.14	-0.38	-0.79	0.71	1.41	-0.67	-9.26	10.67	Pm	69.65	5.53
	Outside	3485	-5.81	-5.50	-14.13	5.77	-0.84	0.76	0.12	-11.02	-14.54	14.65	Pm+Pb	99.50	5.79
7	Inside	3650	0.97	25.86	4.18	-0.13	-1.06	0.01	25.91	4.13	0.97	24.94	Pm+Pb	99.50	2.99
	Middle	3649	0.84	0.41	-4.00	-0.11	-1.08	0.01	0.89	0.61	-4.25	5.14	Pm	69.65	12.54
	Outside	3648	0.74	-17.38	-9.89	-0.10	-1.12	0.01	0.74	-9.73	-17.54	18.28	Pm+Pb	99.50	4.44
8	Inside	20609	3.82	7.49	5.14	5.52	-0.74	-0.68	11.63	4.99	-0.16	11.79	Pm+Pb	99.50	7.44
	Middle	20611	-0.50	1.76	2.87	0.48	-0.78	-0.70	3.45	1.37	-0.69	4.14	Pm	69.65	15.82
	Outside	20613	-3.87	-2.68	1.28	-3.51	-0.81	-0.75	1.44	0.27	-6.98	8.42	Pm+Pb	99.50	10.82
9	Inside	20527	-5.50	-5.37	10.21	-5.30	-0.88	-0.93	10.29	-0.14	-10.81	21.10	Pm+Pb	99.50	3.72
	Middle	20534	0.97	1.18	15.19	1.19	-0.54	-0.59	15.24	2.23	-0.12	15.36	Pm	69.65	3.53
	Outside	20541	7.43	7.71	20.16	7.66	-0.20	-0.24	20.18	15.21	-0.09	20.27	Pm+Pb	99.50	3.91
10	Inside	29173	2.48	0.01	26.83	1.36	-0.63	-0.65	26.86	3.05	-0.60	27.46	Pm+Pb	99.50	2.62
	Middle	29175	2.11	0.03	28.11	1.15	-0.22	-0.21	28.11	2.61	-0.48	28.60	Pm	69.65	1.44
	Outside	29177	2.02	0.26	29.54	1.14	0.17	0.20	29.55	2.58	-0.30	29.84	Pm+Pb	99.50	2.33
11	Inside	29342	10.29	-0.15	32.20	0.98	-0.05	-0.10	32.20	10.38	-0.24	32.44	Pm+Pb	99.50	2.07
	Middle	29341	1.99	0.02	31.82	0.13	-0.05	-0.03	31.82	1.99	0.01	31.81	Pm	69.65	1.19
	Outside	29340	-3.90	0.16	32.15	-0.48	-0.05	0.03	32.15	0.22	-3.95	36.10	Pm+Pb	99.50	1.76

TABLE 2.10.6-216 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= 200°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-3.92	-0.71	-22.90	0.23	-0.02	-0.03	-0.70	-3.93	-22.90	22.20	Pm+Pb	99.50	3.48
	Middle	12675	0.83	-0.45	-22.34	-0.19	-0.02	-0.05	0.86	-0.48	-22.34	23.20	Pm	69.65	2.00
	Outside	12674	4.12	-0.24	-22.27	-0.46	-0.02	-0.07	4.17	-0.29	-22.27	26.44	Pm+Pb	99.50	2.76
4	Inside	12507	-2.53	-2.37	-21.31	2.23	0.08	-0.13	-0.22	-4.68	-21.31	21.09	Pm+Pb	99.50	3.72
	Middle	12509	0.46	0.06	-20.42	-0.40	0.26	-0.31	0.72	-0.19	-20.43	21.14	Pm	69.65	2.29
	Outside	12511	2.99	2.15	-19.77	-2.63	0.43	-0.48	5.25	-0.09	-19.78	25.04	Pm+Pb	99.50	2.97
5	Inside	3861	-2.26	-1.95	-14.18	2.16	0.47	-0.47	0.06	-4.22	-14.23	14.29	Pm+Pb	99.50	5.96
	Middle	3868	0.21	0.53	-13.58	-0.36	0.82	-0.82	0.85	-0.02	-13.68	14.53	Pm	69.65	3.80
	Outside	3875	2.68	3.02	-12.97	-2.88	1.19	-1.18	5.88	-0.03	-13.12	19.00	Pm+Pb	99.50	4.24
6	Inside	3943	4.99	8.27	-2.52	-6.68	1.43	-1.23	13.73	-0.24	-2.74	16.47	Pm+Pb	99.50	5.04
	Middle	3945	-0.48	1.11	-7.39	-0.29	1.48	-1.28	1.49	-0.42	-7.84	9.34	Pm	69.65	6.46
	Outside	3947	-4.92	-4.67	-11.55	4.92	1.54	-1.34	0.13	-8.40	-12.87	13.00	Pm+Pb	99.50	6.65
7	Inside	4112	0.73	21.80	4.35	-0.07	2.96	0.07	22.29	3.87	0.72	21.57	Pm+Pb	99.50	3.61
	Middle	4111	0.66	0.28	-2.36	-0.06	2.31	0.06	1.62	0.66	-3.70	5.33	Pm	69.65	12.08
	Outside	4110	0.59	-14.79	-7.16	-0.06	1.81	0.05	0.59	-6.75	-15.20	15.79	Pm+Pb	99.50	5.30
8	Inside	21071	3.84	7.03	5.89	5.26	2.43	2.26	12.56	4.28	-0.08	12.65	Pm+Pb	99.50	6.87
	Middle	21073	-0.40	1.44	3.71	0.35	1.84	1.69	5.22	0.58	-1.05	6.28	Pm	69.65	10.10
	Outside	21075	-3.75	-2.95	2.16	-3.58	1.31	1.18	2.50	0.24	-7.28	9.77	Pm+Pb	99.50	9.18
9	Inside	20989	-4.07	-3.83	10.35	-3.85	1.82	1.77	10.70	-0.10	-8.15	18.85	Pm+Pb	99.50	4.28
	Middle	20996	0.64	0.93	14.13	0.87	1.59	1.54	14.52	1.29	-0.10	14.61	Pm	69.65	3.77
	Outside	21003	5.35	5.68	17.91	5.58	1.36	1.32	18.41	10.61	-0.07	18.48	Pm+Pb	99.50	4.39
10	Inside	29635	0.63	-0.83	23.30	0.04	0.60	0.62	23.33	0.61	-0.84	24.17	Pm+Pb	99.50	3.12
	Middle	29637	1.47	0.04	24.91	0.85	0.66	0.69	24.95	1.83	-0.36	25.31	Pm	69.65	1.75
	Outside	29639	2.31	0.93	26.53	1.65	0.71	0.76	26.58	3.36	-0.17	26.75	Pm+Pb	99.50	2.72
11	Inside	29804	4.90	-0.38	27.23	0.53	0.02	0.13	27.23	4.95	-0.43	27.66	Pm+Pb	99.50	2.60
	Middle	29803	1.53	-0.17	27.92	0.15	0.02	0.13	27.92	1.54	-0.18	28.10	Pm	69.65	1.48
	Outside	29802	-0.89	0.01	28.87	-0.12	0.01	0.13	28.87	0.03	-0.91	29.78	Pm+Pb	99.50	2.34

TABLE 2.10.6-217 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= -20°F) SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	6.49	0.47	-0.56	-0.85	-0.05	0.49	6.64	0.36	-0.60	7.24	Pm+Pb	100.00	12.82
	Middle	10029	-1.57	0.89	-2.00	-0.02	-0.11	0.34	0.90	-1.39	-2.19	3.09	Pm	70.00	21.68
	Outside	10028	-7.78	0.80	-3.98	0.59	-0.02	0.26	0.84	-3.96	-7.83	8.68	Pm+Pb	100.00	10.52
4	Inside	9981	3.58	2.18	2.74	-2.56	-1.58	2.78	7.61	0.88	0.02	7.59	Pm+Pb	100.00	12.18
	Middle	9983	-0.20	-0.55	-0.11	0.19	-1.70	2.19	2.48	-0.23	-3.10	5.58	Pm	70.00	11.53
	Outside	9985	-3.65	-2.96	-3.52	2.89	-1.91	2.10	-0.39	-1.73	-8.00	7.61	Pm+Pb	100.00	12.15
5	Inside	1383	0.97	-0.08	6.26	-0.09	-1.49	2.94	7.82	0.18	-0.85	8.67	Pm+Pb	100.00	10.53
	Middle	1390	2.26	1.42	5.12	-1.92	-2.23	3.27	8.48	0.52	-0.20	8.67	Pm	70.00	7.07
	Outside	1397	3.64	3.02	3.83	-3.71	-2.91	3.77	10.46	0.54	-0.51	10.97	Pm+Pb	100.00	8.12
6	Inside	1417	-4.19	-3.18	6.06	-1.95	-2.45	2.78	7.53	-3.09	-5.76	13.29	Pm+Pb	100.00	6.52
	Middle	1419	-0.78	0.24	8.00	-2.94	-3.83	3.81	11.36	-0.62	-3.29	14.65	Pm	70.00	3.78
	Outside	1421	1.72	2.91	9.61	-3.22	-5.41	4.91	15.17	0.07	-1.00	16.17	Pm+Pb	100.00	5.18
7	Inside	1466	0.13	1.74	9.69	-0.47	-5.35	0.06	12.38	0.25	-1.08	13.46	Pm+Pb	100.00	6.43
	Middle	1465	0.41	2.00	8.42	-0.13	-4.52	-0.12	10.75	0.45	-0.37	11.12	Pm	70.00	5.29
	Outside	1464	0.83	2.90	7.88	0.35	-3.93	-0.18	10.05	1.00	0.56	9.49	Pm+Pb	100.00	9.54
8	Inside	18545	-5.00	-5.05	10.82	-0.51	-3.99	-1.87	11.94	-4.58	-6.59	18.53	Pm+Pb	100.00	4.40
	Middle	18547	-1.11	-1.10	9.31	1.31	-3.13	-2.05	10.63	-1.04	-2.50	13.13	Pm	70.00	4.33
	Outside	18549	1.89	2.28	7.74	2.73	-2.85	-1.85	9.95	2.66	-0.71	10.66	Pm+Pb	100.00	8.38
9	Inside	18511	1.81	-0.06	17.95	-0.55	-0.04	1.29	18.05	1.86	-0.22	18.27	Pm+Pb	100.00	4.47
	Middle	18518	-1.02	-2.42	8.94	-3.07	-1.31	-1.23	9.18	1.42	-5.10	14.28	Pm	70.00	3.90
	Outside	18525	-3.23	-4.54	0.87	-5.56	-3.08	-3.39	2.79	1.52	-11.20	13.99	Pm+Pb	100.00	6.15
10	Inside	27109	-4.33	-0.26	11.06	-3.10	-4.79	-4.71	13.50	1.16	-8.19	21.69	Pm+Pb	100.00	3.61
	Middle	27111	-6.12	-3.04	4.95	-5.84	-0.10	-0.33	4.96	1.45	-10.63	15.59	Pm	70.00	3.49
	Outside	27113	-7.65	-4.67	-0.63	-7.09	3.37	3.66	1.37	0.79	-15.11	16.47	Pm+Pb	100.00	5.07
11	Inside	27158	-15.34	-2.78	5.81	-2.36	-1.72	-0.81	6.14	-2.63	-15.82	21.97	Pm+Pb	100.00	3.55
	Middle	27157	-7.96	-5.40	2.56	-1.94	-1.23	0.05	2.75	-4.52	-9.03	11.78	Pm	70.00	4.94
	Outside	27156	-5.92	-7.55	-2.24	-1.80	-0.94	0.83	-1.74	-5.24	-8.73	6.99	Pm+Pb	100.00	13.31

TABLE 2.10.6-218 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= -20°F) SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	11.15	0.20	-4.57	-1.08	-0.03	0.21	11.26	0.09	-4.57	15.83	Pm+Pb	100.00	5.32
	Middle	11616	0.29	0.26	-8.83	0.01	0.00	0.25	0.29	0.26	-8.84	9.13	Pm	70.00	6.66
	Outside	11615	-7.55	0.25	-12.28	0.79	-0.03	0.26	0.33	-7.62	-12.29	12.63	Pm+Pb	100.00	6.92
4	Inside	11529	4.20	2.50	-4.96	-3.24	-0.79	0.93	6.83	0.00	-5.08	11.91	Pm+Pb	100.00	7.40
	Middle	11531	0.62	-0.28	-7.84	-0.50	-1.36	1.33	1.20	-0.45	-8.25	9.45	Pm	70.00	6.41
	Outside	11533	-2.02	-2.03	-9.82	1.75	-1.60	2.14	-0.26	-2.79	-10.83	10.57	Pm+Pb	100.00	8.46
5	Inside	2748	-3.87	-3.99	-3.48	3.75	-0.91	1.02	-0.18	-3.08	-8.08	7.90	Pm+Pb	100.00	11.66
	Middle	2755	0.73	0.62	-0.45	-0.74	-2.34	2.38	3.95	-0.06	-2.98	6.93	Pm	70.00	9.10
	Outside	2762	5.34	5.24	2.61	-5.16	-3.75	3.73	13.12	0.14	-0.06	13.18	Pm+Pb	100.00	6.59
6	Inside	2965	1.33	3.47	6.64	-2.68	-5.13	4.13	12.57	-0.20	-0.93	13.50	Pm+Pb	100.00	6.41
	Middle	2967	-0.27	1.28	5.90	-0.92	-5.38	4.34	10.98	-0.50	-3.58	14.56	Pm	70.00	3.81
	Outside	2969	-1.19	-0.43	5.56	0.44	-5.44	4.69	10.13	-0.41	-5.77	15.90	Pm+Pb	100.00	5.29
7	Inside	3053	0.11	10.21	11.02	-0.28	-11.53	-0.40	22.15	0.30	-1.11	23.26	Pm+Pb	100.00	3.30
	Middle	3052	0.18	1.34	8.93	-0.29	-8.52	-0.37	14.47	0.22	-4.24	18.70	Pm	70.00	2.74
	Outside	3051	0.16	-4.88	7.50	-0.30	-6.44	-0.39	10.24	0.18	-7.65	17.89	Pm+Pb	100.00	4.59
8	Inside	20093	-1.72	-1.34	9.18	-1.19	-10.32	-9.73	18.61	-0.35	-12.14	30.76	Pm+Pb	100.00	2.25
	Middle	20095	-0.04	0.67	10.33	0.32	-6.84	-6.17	15.90	-0.03	-4.92	20.82	Pm	70.00	2.36
	Outside	20097	1.52	2.35	11.33	1.68	-3.26	-3.17	13.44	1.60	0.16	13.28	Pm+Pb	100.00	6.53
9	Inside	19876	-0.90	-2.25	14.58	-1.19	-9.65	-7.97	21.11	-0.26	-9.41	30.53	Pm+Pb	100.00	2.28
	Middle	19883	-0.37	-1.65	12.31	-0.75	-6.90	-5.30	16.44	-0.10	-6.05	22.49	Pm	70.00	2.11
	Outside	19890	0.04	-1.08	10.00	-0.28	-3.92	-2.70	11.78	0.00	-2.82	14.60	Pm+Pb	100.00	5.85
10	Inside	28657	-0.59	0.29	13.11	0.21	-1.47	-0.76	13.32	0.14	-0.65	13.98	Pm+Pb	100.00	6.16
	Middle	28659	-1.83	-0.79	13.81	-0.90	-5.13	-4.52	16.34	-0.40	-4.75	21.09	Pm	70.00	2.32
	Outside	28661	-3.50	-2.83	13.73	-1.73	-8.09	-8.34	19.31	-1.42	-10.48	29.79	Pm+Pb	100.00	2.36
11	Inside	28745	-6.05	-0.73	10.49	-0.66	-0.23	-0.32	10.50	-0.65	-6.14	16.64	Pm+Pb	100.00	5.01
	Middle	28744	-1.06	-0.27	13.33	-0.12	-0.30	-1.10	13.42	-0.25	-1.16	14.58	Pm	70.00	3.80
	Outside	28743	2.76	0.63	16.87	0.56	-0.74	-1.33	17.03	2.75	0.48	16.56	Pm+Pb	100.00	5.04

TABLE 2.10.6-219 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= -20°F) SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	0.19	-0.46	-15.05	-0.12	0.07	0.02	0.21	-0.48	-15.05	15.26	Pm+Pb	100.00	5.55
	Middle	11751	0.74	-0.26	-15.71	-0.12	0.06	0.09	0.76	-0.27	-15.71	16.47	Pm	70.00	3.25
	Outside	11750	1.09	-0.10	-16.44	-0.12	0.06	0.15	1.11	-0.11	-16.45	17.55	Pm+Pb	100.00	4.70
4	Inside	11583	-1.17	-1.60	-14.28	1.10	0.09	0.01	-0.26	-2.51	-14.28	14.01	Pm+Pb	100.00	6.14
	Middle	11585	0.60	-0.10	-14.00	-0.42	-0.41	0.52	0.82	-0.29	-14.03	14.85	Pm	70.00	3.71
	Outside	11587	2.14	1.24	-13.84	-1.74	-0.89	1.01	3.59	-0.10	-13.94	17.52	Pm+Pb	100.00	4.71
5	Inside	2937	-4.05	-3.67	-9.34	3.06	-0.66	0.66	-0.79	-6.61	-9.65	8.86	Pm+Pb	100.00	10.28
	Middle	2944	-0.06	0.34	-8.02	-0.67	-1.32	1.31	1.21	-0.55	-8.40	9.62	Pm	70.00	6.28
	Outside	2951	3.86	4.27	-6.77	-4.34	-1.99	1.97	8.91	-0.28	-7.27	16.17	Pm+Pb	100.00	5.18
6	Inside	3019	5.35	9.26	2.62	-7.65	-2.07	1.80	15.77	2.05	-0.60	16.37	Pm+Pb	100.00	5.11
	Middle	3021	-0.66	1.30	-2.97	-0.46	-2.17	1.92	2.67	-0.44	-4.56	7.24	Pm	70.00	8.67
	Outside	3023	-5.55	-5.11	-7.75	5.41	-2.30	2.05	0.09	-5.84	-12.67	12.76	Pm+Pb	100.00	6.84
7	Inside	3188	0.95	25.62	9.92	-0.16	-3.66	-0.02	26.43	9.11	0.94	25.49	Pm+Pb	100.00	2.92
	Middle	3187	0.83	0.57	1.86	-0.13	-3.28	-0.02	4.56	0.83	-2.13	6.69	Pm	70.00	9.46
	Outside	3186	0.73	-16.91	-3.93	-0.12	-3.02	-0.02	0.73	-3.27	-17.58	18.31	Pm+Pb	100.00	4.46
8	Inside	20147	3.07	6.69	9.99	4.83	-2.93	-2.70	13.97	6.09	-0.31	14.27	Pm+Pb	100.00	6.01
	Middle	20149	-0.52	1.88	8.23	0.59	-2.61	-2.40	9.75	0.98	-1.14	10.89	Pm	70.00	5.43
	Outside	20151	-3.26	-1.78	7.09	-2.72	-2.33	-2.14	7.86	0.26	-6.09	13.95	Pm+Pb	100.00	6.17
9	Inside	20065	-6.11	-6.13	13.83	-5.97	-2.83	-2.89	14.45	-0.15	-12.70	27.15	Pm+Pb	100.00	2.68
	Middle	20072	1.21	1.27	19.36	1.37	-2.15	-2.20	19.91	2.06	-0.13	20.04	Pm	70.00	2.49
	Outside	20079	8.50	8.65	24.86	8.68	-1.47	-1.52	25.41	16.71	-0.11	25.52	Pm+Pb	100.00	2.92
10	Inside	28711	4.47	1.18	30.82	2.89	-1.55	-1.61	31.02	5.96	-0.50	31.52	Pm+Pb	100.00	2.17
	Middle	28713	2.49	-0.02	31.23	1.26	-0.90	-0.93	31.29	2.96	-0.55	31.84	Pm	70.00	1.20
	Outside	28715	1.10	-0.76	31.92	0.11	-0.31	-0.29	31.93	1.11	-0.77	32.70	Pm+Pb	100.00	2.06
11	Inside	28880	15.33	0.08	36.63	1.42	-0.10	-0.29	36.63	15.45	-0.05	36.68	Pm+Pb	100.00	1.73
	Middle	28879	2.12	0.20	34.70	0.09	-0.10	-0.15	34.70	2.13	0.19	34.51	Pm	70.00	1.03
	Outside	28878	-7.21	0.31	33.89	-0.85	-0.11	-0.05	33.89	0.40	-7.30	41.19	Pm+Pb	100.00	1.43

TABLE 2.10.6-220 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= -20°F) SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-3.42	-0.66	-17.81	0.20	0.03	0.01	-0.65	-3.43	-17.81	17.16	Pm+Pb	100.00	4.83
	Middle	12213	0.84	-0.41	-17.39	-0.17	0.03	0.05	0.86	-0.44	-17.39	18.25	Pm	70.00	2.84
	Outside	12212	3.79	-0.21	-17.39	-0.42	0.03	0.08	3.83	-0.26	-17.39	21.22	Pm+Pb	100.00	3.71
4	Inside	12045	-2.54	-2.46	-16.48	2.21	0.04	0.01	-0.29	-4.71	-16.48	16.19	Pm+Pb	100.00	5.18
	Middle	12047	0.48	0.01	-15.58	-0.43	-0.21	0.26	0.75	-0.25	-15.58	16.33	Pm	70.00	3.29
	Outside	12049	3.04	2.14	-14.92	-2.67	-0.45	0.51	5.32	-0.12	-14.94	20.26	Pm+Pb	100.00	3.94
5	Inside	3399	-3.07	-2.69	-9.98	2.61	-0.35	0.28	-0.25	-5.45	-10.02	9.77	Pm+Pb	100.00	9.24
	Middle	3406	0.09	0.49	-9.21	-0.48	-0.61	0.56	0.87	-0.23	-9.28	10.15	Pm	70.00	5.90
	Outside	3413	3.23	3.64	-8.45	-3.55	-0.88	0.83	7.08	-0.12	-8.54	15.63	Pm+Pb	100.00	5.40
6	Inside	3481	5.74	9.63	2.07	-7.90	-0.74	0.67	15.89	2.00	-0.46	16.35	Pm+Pb	100.00	5.12
	Middle	3483	-0.63	1.25	-3.74	-0.38	-0.79	0.71	1.49	-0.62	-3.99	5.48	Pm	70.00	11.77
	Outside	3485	-5.81	-5.50	-8.73	5.77	-0.84	0.76	0.12	-8.32	-11.83	11.95	Pm+Pb	100.00	7.37
7	Inside	3650	0.97	25.86	9.58	-0.13	-1.06	0.01	25.93	9.52	0.97	24.96	Pm+Pb	100.00	3.01
	Middle	3649	0.84	0.41	1.40	-0.11	-1.08	0.01	2.09	0.85	-0.29	2.38	Pm	70.00	28.36
	Outside	3648	0.74	-17.38	-4.49	-0.10	-1.12	0.01	0.74	-4.39	-17.48	18.21	Pm+Pb	100.00	4.49
8	Inside	20609	3.82	7.49	10.54	5.52	-0.74	-0.68	12.11	9.91	-0.16	12.27	Pm+Pb	100.00	7.15
	Middle	20611	-0.50	1.76	8.27	0.48	-0.78	-0.70	8.43	1.74	-0.63	9.06	Pm	70.00	6.73
	Outside	20613	-3.87	-2.68	6.68	-3.51	-0.81	-0.75	6.77	0.28	-6.92	13.69	Pm+Pb	100.00	6.30
9	Inside	20527	-5.50	-5.37	15.61	-5.30	-0.88	-0.93	15.67	-0.14	-10.79	26.47	Pm+Pb	100.00	2.78
	Middle	20534	0.97	1.18	20.59	1.19	-0.54	-0.59	20.63	2.24	-0.12	20.75	Pm	70.00	2.37
	Outside	20541	7.43	7.71	25.56	7.66	-0.20	-0.24	25.57	15.22	-0.09	25.66	Pm+Pb	100.00	2.90
10	Inside	29173	2.48	0.01	32.23	1.36	-0.63	-0.65	32.25	3.06	-0.60	32.85	Pm+Pb	100.00	2.04
	Middle	29175	2.11	0.03	33.51	1.15	-0.22	-0.21	33.51	2.61	-0.48	34.00	Pm	70.00	1.06
	Outside	29177	2.02	0.26	34.94	1.14	0.17	0.20	34.95	2.58	-0.30	35.24	Pm+Pb	100.00	1.84
11	Inside	29342	10.29	-0.15	37.60	0.98	-0.05	-0.10	37.60	10.38	-0.24	37.84	Pm+Pb	100.00	1.64
	Middle	29341	1.99	0.02	37.22	0.13	-0.05	-0.03	37.22	1.99	0.01	37.21	Pm	70.00	0.88
	Outside	29340	-3.90	0.16	37.55	-0.48	-0.05	0.03	37.55	0.22	-3.95	41.50	Pm+Pb	100.00	1.41

TABLE 2.10.6-221 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - MNOP WITH 30 FT SLAPDOWN AT 15 DEGREES (T= -20°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-3.92	-0.71	-17.50	0.23	-0.02	-0.03	-0.70	-3.93	-17.50	16.80	Pm+Pb	100.00	4.95
	Middle	12675	0.83	-0.45	-16.94	-0.19	-0.02	-0.05	0.86	-0.48	-16.94	17.80	Pm	70.00	2.93
	Outside	12674	4.12	-0.24	-16.87	-0.46	-0.02	-0.07	4.17	-0.29	-16.87	21.04	Pm+Pb	100.00	3.75
4	Inside	12507	-2.53	-2.37	-15.91	2.23	0.08	-0.13	-0.22	-4.68	-15.91	15.69	Pm+Pb	100.00	5.37
	Middle	12509	0.46	0.06	-15.02	-0.40	0.26	-0.31	0.72	-0.19	-15.03	15.75	Pm	70.00	3.44
	Outside	12511	2.99	2.15	-14.37	-2.63	0.43	-0.48	5.26	-0.09	-14.39	19.64	Pm+Pb	100.00	4.09
5	Inside	3861	-2.26	-1.95	-8.78	2.16	0.47	-0.47	0.06	-4.17	-8.88	8.94	Pm+Pb	100.00	10.19
	Middle	3868	0.21	0.53	-8.18	-0.36	0.82	-0.82	0.90	-0.02	-8.33	9.23	Pm	70.00	6.58
	Outside	3875	2.68	3.02	-7.57	-2.88	1.19	-1.18	5.94	-0.03	-7.78	13.72	Pm+Pb	100.00	6.29
6	Inside	3943	4.99	8.27	2.88	-6.68	1.43	-1.23	13.83	2.56	-0.25	14.08	Pm+Pb	100.00	6.10
	Middle	3945	-0.48	1.11	-1.99	-0.29	1.48	-1.28	1.95	-0.26	-3.05	5.01	Pm	70.00	12.98
	Outside	3947	-4.92	-4.67	-6.15	4.92	1.54	-1.34	0.13	-5.23	-10.65	10.78	Pm+Pb	100.00	8.28
7	Inside	4112	0.73	21.80	9.75	-0.07	2.96	0.07	22.49	9.07	0.73	21.76	Pm+Pb	100.00	3.59
	Middle	4111	0.66	0.28	3.04	-0.06	2.31	0.06	4.35	0.66	-1.04	5.39	Pm	70.00	11.99
	Outside	4110	0.59	-14.79	-1.76	-0.06	1.81	0.05	0.60	-1.52	-15.04	15.63	Pm+Pb	100.00	5.40
8	Inside	21071	3.84	7.03	11.29	5.26	2.43	2.26	14.42	7.81	-0.07	14.49	Pm+Pb	100.00	5.90
	Middle	21073	-0.40	1.44	9.11	0.35	1.84	1.69	9.82	1.02	-0.69	10.51	Pm	70.00	5.66
	Outside	21075	-3.75	-2.95	7.56	-3.58	1.31	1.18	7.77	0.25	-7.16	14.93	Pm+Pb	100.00	5.70
9	Inside	20989	-4.07	-3.83	15.75	-3.85	1.82	1.77	16.02	-0.10	-8.07	24.09	Pm+Pb	100.00	3.15
	Middle	20996	0.64	0.93	19.53	0.87	1.59	1.54	19.80	1.40	-0.10	19.90	Pm	70.00	2.52
	Outside	21003	5.35	5.68	23.31	5.58	1.36	1.32	23.60	10.81	-0.07	23.67	Pm+Pb	100.00	3.22
10	Inside	29635	0.63	-0.83	28.70	0.04	0.60	0.62	28.72	0.62	-0.84	29.56	Pm+Pb	100.00	2.38
	Middle	29637	1.47	0.04	30.31	0.85	0.66	0.69	30.34	1.84	-0.36	30.70	Pm	70.00	1.28
	Outside	29639	2.31	0.93	31.93	1.65	0.71	0.76	31.97	3.37	-0.17	32.14	Pm+Pb	100.00	2.11
11	Inside	29804	4.90	-0.38	32.63	0.53	0.02	0.13	32.63	4.95	-0.43	33.06	Pm+Pb	100.00	2.02
	Middle	29803	1.53	-0.17	33.32	0.15	0.02	0.13	33.32	1.54	-0.18	33.50	Pm	70.00	1.09
	Outside	29802	-0.89	0.01	34.27	-0.12	0.01	0.13	34.27	0.03	-0.91	35.18	Pm+Pb	100.00	1.84

TABLE 2.10.6-222 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL -- 30 FT END DROP
(T= 200°F) SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	3.39	1.65	12.88	0.68	2.61	-0.06	13.46	3.57	0.90	12.56	Pm+Pb	99.50	6.92
	Middle	1390	0.80	0.71	4.61	0.17	1.03	0.21	4.88	0.82	0.42	4.46	Pm	69.65	14.61
	Outside	1397	-1.34	0.15	-3.38	0.15	0.19	2.40	0.43	-0.04	-4.97	5.41	Pm+Pb	99.50	17.41
2	Inside	1417	0.31	-0.29	8.67	0.69	1.91	2.32	9.68	-0.21	-0.77	10.45	Pm+Pb	99.50	8.52
	Middle	1419	-2.11	-0.37	2.33	0.65	0.47	0.76	2.56	-0.32	-2.40	4.96	Pm	69.65	13.03
	Outside	1421	-4.36	-0.32	-4.01	0.72	0.02	-0.56	-0.20	-3.64	-4.84	4.65	Pm+Pb	99.50	20.41
3	Inside	1466	-2.60	-2.60	3.27	1.87	1.48	1.48	4.16	-1.62	-4.47	8.63	Pm+Pb	99.50	10.53
	Middle	1465	-1.49	-1.49	-0.22	0.92	1.83	1.83	2.20	-2.41	-3.00	5.20	Pm	69.65	12.40
	Outside	1464	-0.57	-0.57	-3.64	0.30	2.45	2.45	1.89	-0.87	-5.81	7.69	Pm+Pb	99.50	11.93
4	Inside	9981	-0.29	0.31	8.67	0.69	2.32	1.91	9.68	-0.21	-0.77	10.45	Pm+Pb	99.50	8.52
	Middle	9983	-0.37	-2.11	2.33	0.65	0.76	0.47	2.56	-0.32	-2.40	4.96	Pm	69.65	13.03
	Outside	9985	-0.32	-4.36	-4.01	0.72	-0.56	0.02	-0.20	-3.64	-4.84	4.65	Pm+Pb	99.50	20.41
5	Inside	9947	1.65	3.39	12.88	0.00	0.00	2.61	13.46	3.39	1.08	12.38	Pm+Pb	99.50	7.04
	Middle	9954	0.71	0.80	4.61	0.00	0.00	1.03	4.87	0.80	0.46	4.41	Pm	69.65	14.79
	Outside	9961	0.15	-1.34	-3.38	0.00	0.00	0.19	0.16	-1.34	-3.39	3.55	Pm+Pb	99.50	27.00
6	Inside	27109	-0.29	0.31	8.67	-0.69	-2.32	1.91	9.68	-0.21	-0.77	10.45	Pm+Pb	99.50	8.52
	Middle	27111	-0.37	-2.11	2.33	-0.65	-0.76	0.47	2.56	-0.32	-2.40	4.96	Pm	69.65	13.03
	Outside	27113	-0.32	-4.36	-4.01	-0.72	0.56	0.02	-0.20	-3.64	-4.84	4.65	Pm+Pb	99.50	20.41
7	Inside	18594	-2.60	-2.60	3.27	-1.87	-1.48	1.48	4.16	-1.62	-4.47	8.63	Pm+Pb	99.50	10.53
	Middle	18593	-1.49	-1.49	-0.22	-0.92	-1.83	1.83	2.20	-2.41	-3.00	5.20	Pm	69.65	12.40
	Outside	18592	-0.57	-0.57	-3.64	-0.30	-2.45	2.45	1.89	-0.87	-5.81	7.69	Pm+Pb	99.50	11.93
8	Inside	18545	0.31	-0.29	8.67	-0.69	-1.91	2.32	9.68	-0.21	-0.77	10.45	Pm+Pb	99.50	8.52
	Middle	18547	-2.11	-0.37	2.33	-0.65	-0.47	0.76	2.56	-0.32	-2.40	4.96	Pm	69.65	13.03
	Outside	18549	-4.36	-0.32	-4.01	-0.72	-0.02	-0.56	-0.20	-3.64	-4.84	4.65	Pm+Pb	99.50	20.41
9	Inside	18511	3.39	1.65	12.88	-0.68	-2.61	-0.06	13.46	3.57	0.90	12.56	Pm+Pb	99.50	6.92
	Middle	18518	0.80	0.71	4.61	-0.17	-1.03	0.21	4.88	0.82	0.42	4.46	Pm	69.65	14.61
	Outside	18525	-1.34	0.15	-3.38	-0.15	-0.19	2.40	0.43	-0.04	-4.97	5.41	Pm+Pb	99.50	17.41

**TABLE 2.10.6-223 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL -- 30 FT END DROP
(T= 200°F) SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-1.48	-0.93	-5.16	-0.40	0.00	0.08	-0.72	-1.69	-5.16	4.43	Pm+Pb	99.50	21.44
	Middle	2755	-1.26	-0.77	-5.80	-0.36	0.06	0.10	-0.58	-1.45	-5.80	5.22	Pm	69.65	12.34
	Outside	2762	-0.68	0.13	-5.32	-0.29	0.13	0.19	0.22	-0.76	-5.33	5.55	Pm+Pb	99.50	16.93
2	Inside	2965	-1.13	0.00	-5.11	0.28	0.09	0.15	0.07	-1.20	-5.12	5.19	Pm+Pb	99.50	18.19
	Middle	2967	-1.13	-0.19	-5.68	0.26	0.08	0.35	-0.12	-1.17	-5.71	5.59	Pm	69.65	11.46
	Outside	2969	-0.47	0.52	-4.94	0.19	0.11	0.56	0.56	-0.45	-5.01	5.58	Pm+Pb	99.50	16.84
3	Inside	3053	-1.55	-1.55	-6.04	1.23	0.19	0.19	-0.30	-2.78	-6.05	5.75	Pm+Pb	99.50	16.30
	Middle	3052	-0.32	-0.32	-5.70	0.22	0.26	0.26	-0.07	-0.54	-5.73	5.65	Pm	69.65	11.32
	Outside	3051	-0.06	-0.06	-7.60	-0.46	0.29	0.29	0.41	-0.50	-7.62	8.03	Pm+Pb	99.50	11.39
4	Inside	11529	0.00	-1.13	-5.11	0.28	0.15	0.09	0.07	-1.20	-5.12	5.19	Pm+Pb	99.50	18.19
	Middle	11531	-0.19	-1.13	-5.68	0.26	0.35	0.08	-0.12	-1.17	-5.71	5.59	Pm	69.65	11.46
	Outside	11533	0.52	-0.47	-4.94	0.19	0.56	0.11	0.56	-0.45	-5.01	5.58	Pm+Pb	99.50	16.84
5	Inside	11312	-0.93	-1.48	-5.16	0.00	0.00	0.00	-0.93	-1.48	-5.16	4.22	Pm+Pb	99.50	22.57
	Middle	11319	-0.77	-1.26	-5.80	0.00	0.00	0.06	-0.77	-1.26	-5.80	5.03	Pm	69.65	12.85
	Outside	11326	0.13	-0.68	-5.32	0.00	0.00	0.13	0.13	-0.68	-5.32	5.45	Pm+Pb	99.50	17.25
6	Inside	28657	0.00	-1.13	-5.11	-0.28	-0.15	0.09	0.07	-1.20	-5.12	5.19	Pm+Pb	99.50	18.19
	Middle	28659	-0.19	-1.13	-5.68	-0.26	-0.35	0.08	-0.12	-1.17	-5.71	5.59	Pm	69.65	11.46
	Outside	28661	0.52	-0.47	-4.94	-0.19	-0.56	0.11	0.56	-0.45	-5.01	5.58	Pm+Pb	99.50	16.84
7	Inside	20181	-1.55	-1.55	-6.04	-1.23	-0.19	0.19	-0.30	-2.78	-6.05	5.75	Pm+Pb	99.50	16.30
	Middle	20180	-0.32	-0.32	-5.70	-0.22	-0.26	0.26	-0.07	-0.54	-5.73	5.65	Pm	69.65	11.32
	Outside	20179	-0.06	-0.06	-7.60	0.46	-0.29	0.29	0.41	-0.50	-7.62	8.03	Pm+Pb	99.50	11.39
8	Inside	20093	-1.13	0.00	-5.11	-0.28	-0.09	0.15	0.07	-1.20	-5.12	5.19	Pm+Pb	99.50	18.19
	Middle	20095	-1.13	-0.19	-5.68	-0.26	-0.08	0.35	-0.12	-1.17	-5.71	5.59	Pm	69.65	11.46
	Outside	20097	-0.47	0.52	-4.94	-0.19	-0.11	0.56	0.56	-0.45	-5.01	5.58	Pm+Pb	99.50	16.84
9	Inside	19876	-1.48	-0.93	-5.16	0.40	0.00	0.08	-0.72	-1.69	-5.16	4.43	Pm+Pb	99.50	21.44
	Middle	19883	-1.26	-0.77	-5.80	0.36	-0.06	0.10	-0.58	-1.45	-5.80	5.22	Pm	69.65	12.34
	Outside	19890	-0.68	0.13	-5.32	0.29	-0.13	0.19	0.22	-0.76	-5.33	5.55	Pm+Pb	99.50	16.93

TABLE 2.10.6-224 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL -- 30 FT END DROP
(T= 200°F) SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
	Middle	2944	0.01	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm	69.65	13.09
	Outside	2951	0.01	0.00	-4.94	0.00	0.00	0.00	0.01	0.00	-4.94	4.95	Pm+Pb	99.50	19.10
2	Inside	3019	0.01	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.15
	Middle	3021	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	3023	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
3	Inside	3188	0.00	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.16
	Middle	3187	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	3186	0.00	0.00	-4.94	0.00	0.00	0.00	0.00	0.00	-4.94	4.94	Pm+Pb	99.50	19.16
4	Inside	11583	0.00	0.01	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.15
	Middle	11585	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	11587	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
5	Inside	11501	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
	Middle	11508	0.00	0.01	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm	69.65	13.09
	Outside	11515	0.00	0.01	-4.94	0.00	0.00	0.00	0.01	0.00	-4.94	4.95	Pm+Pb	99.50	19.10
6	Inside	28711	0.00	0.01	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.15
	Middle	28713	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	28715	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
7	Inside	20316	0.00	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.16
	Middle	20315	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	20314	0.00	0.00	-4.94	0.00	0.00	0.00	0.00	0.00	-4.94	4.94	Pm+Pb	99.50	19.16
8	Inside	20147	0.01	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.15
	Middle	20149	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	20151	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
9	Inside	20065	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
	Middle	20072	0.01	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm	69.65	13.09
	Outside	20079	0.01	0.00	-4.94	0.00	0.00	0.00	0.01	0.00	-4.94	4.95	Pm+Pb	99.50	19.10

TABLE 2.10.6-225 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL -- 30 FT END DROP
(T= 200°F) SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.83
	Middle	3406	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	3413	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
2	Inside	3481	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	3483	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	3485	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
3	Inside	3650	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	3649	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	3648	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.81
4	Inside	12045	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	12047	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	12049	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
5	Inside	11963	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.83
	Middle	11970	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	11977	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
6	Inside	29173	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	29175	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	29177	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
7	Inside	20778	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	20777	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	20776	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.81
8	Inside	20609	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	20611	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	20613	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
9	Inside	20527	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.83
	Middle	20534	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	20541	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82

TABLE 2.10.6-226 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL -- 30 FT END DROP
(T= 200°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
	Middle	3868	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.36
	Outside	3875	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.22
2	Inside	3943	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	3945	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	3947	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
3	Inside	4112	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	4111	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	4110	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
4	Inside	12507	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	12509	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	12511	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
5	Inside	12425	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
	Middle	12432	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.36
	Outside	12439	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.22
6	Inside	29635	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	29637	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	29639	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
7	Inside	21240	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	21239	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	21238	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
8	Inside	21071	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	21073	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	21075	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
9	Inside	20989	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
	Middle	20996	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.36
	Outside	21003	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.22

TABLE 2.10.6-227 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT END DROP (T= 200°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	-4.47	-0.73	3.27	0.05	2.09	-0.17	4.16	-1.61	-4.48	8.64	Pm+Pb	99.50	10.52
	Middle	10029	-2.41	-0.57	-0.22	-0.02	2.59	-0.21	2.21	-2.39	-3.02	5.23	Pm	69.65	12.31
	Outside	10028	-0.87	-0.27	-3.64	-0.13	3.46	-1.99	2.36	-0.84	-6.30	8.66	Pm+Pb	99.50	10.48
4	Inside	9981	-0.68	0.71	8.67	-0.30	2.99	-0.29	9.68	-0.21	-0.77	10.45	Pm+Pb	99.50	8.52
	Middle	9983	-1.89	-0.59	2.33	0.87	0.87	-0.20	2.56	-0.32	-2.40	4.96	Pm	69.65	13.03
	Outside	9985	-3.06	-1.62	-4.01	2.02	-0.38	0.41	-0.20	-3.64	-4.85	4.65	Pm+Pb	99.50	20.41
5	Inside	1383	2.52	2.52	12.88	-0.87	1.84	1.84	13.46	3.39	1.08	12.38	Pm+Pb	99.50	7.04
	Middle	1390	0.76	0.76	4.61	-0.04	0.73	0.73	4.87	0.80	0.46	4.41	Pm	69.65	14.79
	Outside	1397	-0.60	-0.60	-3.38	0.75	0.14	0.14	0.16	-1.34	-3.39	3.55	Pm+Pb	99.50	27.00
6	Inside	1417	0.71	-0.68	8.67	-0.30	-0.29	2.99	9.68	-0.21	-0.77	10.45	Pm+Pb	99.50	8.52
	Middle	1419	-0.59	-1.89	2.33	0.87	-0.20	0.87	2.56	-0.32	-2.40	4.96	Pm	69.65	13.03
	Outside	1421	-1.62	-3.06	-4.01	2.02	0.41	-0.38	-0.20	-3.64	-4.85	4.65	Pm+Pb	99.50	20.41
7	Inside	1466	-0.73	-4.47	3.27	0.00	0.00	2.09	4.16	-1.62	-4.47	8.63	Pm+Pb	99.50	10.53
	Middle	1465	-0.57	-2.41	-0.22	0.00	0.00	2.59	2.20	-2.41	-3.00	5.20	Pm	69.65	12.40
	Outside	1464	-0.27	-0.87	-3.64	0.00	0.00	3.46	1.89	-0.87	-5.81	7.69	Pm+Pb	99.50	11.93
8	Inside	18545	0.71	-0.68	8.67	0.30	0.29	2.99	9.68	-0.21	-0.77	10.45	Pm+Pb	99.50	8.52
	Middle	18547	-0.59	-1.89	2.33	-0.87	0.20	0.87	2.56	-0.32	-2.40	4.96	Pm	69.65	13.03
	Outside	18549	-1.62	-3.06	-4.01	-2.02	-0.41	-0.38	-0.20	-3.64	-4.85	4.65	Pm+Pb	99.50	20.41
9	Inside	18511	2.52	2.52	12.88	0.87	-1.84	1.84	13.46	3.39	1.08	12.38	Pm+Pb	99.50	7.04
	Middle	18518	0.76	0.76	4.61	0.04	-0.73	0.73	4.87	0.80	0.46	4.41	Pm	69.65	14.79
	Outside	18525	-0.60	-0.60	-3.38	-0.75	-0.14	0.14	0.16	-1.34	-3.39	3.55	Pm+Pb	99.50	27.00
10	Inside	27109	-0.68	0.71	8.67	0.30	-2.99	-0.29	9.68	-0.21	-0.77	10.45	Pm+Pb	99.50	8.52
	Middle	27111	-1.89	-0.59	2.33	-0.87	-0.87	-0.20	2.56	-0.32	-2.40	4.96	Pm	69.65	13.03
	Outside	27113	-3.06	-1.62	-4.01	-2.02	0.38	0.41	-0.20	-3.64	-4.85	4.65	Pm+Pb	99.50	20.41
11	Inside	27158	-4.47	-0.73	3.27	-0.05	-2.09	-0.17	4.16	-1.61	-4.48	8.64	Pm+Pb	99.50	10.52
	Middle	27157	-2.41	-0.57	-0.22	0.02	-2.59	-0.21	2.21	-2.39	-3.02	5.23	Pm	69.65	12.31
	Outside	27156	-0.87	-0.27	-3.64	0.13	-3.46	-1.99	2.36	-0.84	-6.30	8.66	Pm+Pb	99.50	10.48

**TABLE 2.10.6-228 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT END DROP (T= 200°F)
SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	-2.78	-0.32	-6.04	0.30	0.27	0.00	-0.27	-2.82	-6.05	5.79	Pm+Pb	99.50	16.19
	Middle	11616	-0.54	-0.10	-5.70	0.13	0.37	-0.20	-0.05	-0.56	-5.73	5.69	Pm	69.65	11.24
	Outside	11615	0.41	-0.52	-7.60	0.00	0.41	-0.36	0.42	-0.50	-7.64	8.06	Pm+Pb	99.50	11.34
4	Inside	11529	-0.85	-0.29	-5.11	0.56	0.16	-0.04	0.06	-1.20	-5.12	5.18	Pm+Pb	99.50	18.19
	Middle	11531	-0.91	-0.40	-5.68	0.47	0.30	-0.19	-0.12	-1.17	-5.71	5.59	Pm	69.65	11.46
	Outside	11533	-0.17	0.22	-4.94	0.50	0.48	-0.32	0.56	-0.45	-5.01	5.58	Pm+Pb	99.50	16.84
5	Inside	2748	-1.21	-1.21	-5.16	0.27	0.00	0.00	-0.93	-1.48	-5.16	4.22	Pm+Pb	99.50	22.57
	Middle	2755	-1.02	-1.02	-5.80	0.25	0.04	0.04	-0.77	-1.26	-5.80	5.03	Pm	69.65	12.85
	Outside	2762	-0.28	-0.28	-5.32	0.40	0.09	0.09	0.13	-0.68	-5.32	5.45	Pm+Pb	99.50	17.26
6	Inside	2965	-0.29	-0.85	-5.11	0.56	-0.04	0.16	0.06	-1.20	-5.12	5.18	Pm+Pb	99.50	18.19
	Middle	2967	-0.40	-0.91	-5.68	0.47	-0.19	0.30	-0.12	-1.17	-5.71	5.59	Pm	69.65	11.46
	Outside	2969	0.22	-0.17	-4.94	0.50	-0.32	0.48	0.56	-0.45	-5.01	5.58	Pm+Pb	99.50	16.84
7	Inside	3053	-0.32	-2.78	-6.04	0.00	0.00	0.27	-0.30	-2.78	-6.05	5.75	Pm+Pb	99.50	16.30
	Middle	3052	-0.10	-0.54	-5.70	0.00	0.00	0.37	-0.07	-0.54	-5.73	5.65	Pm	69.65	11.32
	Outside	3051	-0.52	0.41	-7.60	0.00	0.00	0.41	0.41	-0.50	-7.62	8.03	Pm+Pb	99.50	11.39
8	Inside	20093	-0.29	-0.85	-5.11	-0.56	0.04	0.16	0.06	-1.20	-5.12	5.18	Pm+Pb	99.50	18.19
	Middle	20095	-0.40	-0.91	-5.68	-0.47	0.19	0.30	-0.12	-1.17	-5.71	5.59	Pm	69.65	11.46
	Outside	20097	0.22	-0.17	-4.94	-0.50	0.32	0.48	0.56	-0.45	-5.01	5.58	Pm+Pb	99.50	16.84
9	Inside	19876	-1.21	-1.21	-5.16	-0.27	0.00	0.00	-0.93	-1.48	-5.16	4.22	Pm+Pb	99.50	22.57
	Middle	19883	-1.02	-1.02	-5.80	-0.25	-0.04	0.04	-0.77	-1.26	-5.80	5.03	Pm	69.65	12.85
	Outside	19890	-0.28	-0.28	-5.32	-0.40	-0.09	0.09	0.13	-0.68	-5.32	5.45	Pm+Pb	99.50	17.26
10	Inside	28657	-0.85	-0.29	-5.11	-0.56	-0.16	-0.04	0.06	-1.20	-5.12	5.18	Pm+Pb	99.50	18.19
	Middle	28659	-0.91	-0.40	-5.68	-0.47	-0.30	-0.19	-0.12	-1.17	-5.71	5.59	Pm	69.65	11.46
	Outside	28661	-0.17	0.22	-4.94	-0.50	-0.48	-0.32	0.56	-0.45	-5.01	5.58	Pm+Pb	99.50	16.84
11	Inside	28745	-2.78	-0.32	-6.04	-0.30	-0.27	0.00	-0.27	-2.82	-6.05	5.79	Pm+Pb	99.50	16.19
	Middle	28744	-0.54	-0.10	-5.70	-0.13	-0.37	-0.20	-0.05	-0.56	-5.73	5.69	Pm	69.65	11.24
	Outside	28743	0.41	-0.52	-7.60	0.00	-0.41	-0.36	0.42	-0.50	-7.64	8.06	Pm+Pb	99.50	11.34

**TABLE 2.10.6-229 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT END DROP (T= 200°F)
SECTION C**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	0.01	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.15
	Middle	11751	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	11750	0.00	0.00	-4.94	0.00	0.00	0.00	0.00	0.00	-4.94	4.94	Pm+Pb	99.50	19.16
4	Inside	11583	0.00	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.16
	Middle	11585	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	11587	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
5	Inside	2937	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
	Middle	2944	0.00	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm	69.65	13.09
	Outside	2951	0.01	0.01	-4.94	-0.01	0.00	0.00	0.01	0.00	-4.94	4.95	Pm+Pb	99.50	19.10
6	Inside	3019	0.00	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.15
	Middle	3021	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	3023	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
7	Inside	3188	0.00	0.01	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.16
	Middle	3187	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	3186	0.00	0.00	-4.94	0.00	0.00	0.00	0.00	0.00	-4.94	4.94	Pm+Pb	99.50	19.16
8	Inside	20147	0.00	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.15
	Middle	20149	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	20151	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
9	Inside	20065	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
	Middle	20072	0.00	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm	69.65	13.09
	Outside	20079	0.01	0.01	-4.94	0.01	0.00	0.00	0.01	0.00	-4.94	4.95	Pm+Pb	99.50	19.10
10	Inside	28711	0.00	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.16
	Middle	28713	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	28715	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm+Pb	99.50	19.16
11	Inside	28880	0.01	0.00	-4.93	0.00	0.00	0.00	0.01	0.00	-4.93	4.94	Pm+Pb	99.50	19.15
	Middle	28879	0.00	0.00	-4.93	0.00	0.00	0.00	0.00	0.00	-4.93	4.93	Pm	69.65	13.12
	Outside	28878	0.00	0.00	-4.94	0.00	0.00	0.00	0.00	0.00	-4.94	4.94	Pm+Pb	99.50	19.16

**TABLE 2.10.6-230 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT END DROP (T= 200°F)
SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	12213	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	12212	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.81
4	Inside	12045	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	12047	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	12049	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
5	Inside	3399	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.83
	Middle	3406	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	3413	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
6	Inside	3481	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	3483	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	3485	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
7	Inside	3650	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	3649	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	3648	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.81
8	Inside	20609	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	20611	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	20613	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
9	Inside	20527	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.83
	Middle	20534	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	20541	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
10	Inside	29173	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	29175	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	29177	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
11	Inside	29342	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.82
	Middle	29341	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm	69.65	14.27
	Outside	29340	0.00	0.00	-4.56	0.00	0.00	0.00	0.00	0.00	-4.56	4.56	Pm+Pb	99.50	20.81

TABLE 2.10.6-231 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT END DROP (T= 200°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	12675	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	12674	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
4	Inside	12507	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	12509	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	12511	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
5	Inside	3861	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
	Middle	3868	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.36
	Outside	3875	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.22
6	Inside	3943	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	3945	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	3947	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
7	Inside	4112	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	4111	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	4110	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
8	Inside	21071	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	21073	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	21075	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
9	Inside	20989	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
	Middle	20996	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.36
	Outside	21003	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.22
10	Inside	29635	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	29637	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	29639	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22
11	Inside	29804	0.00	0.00	-3.80	0.00	0.00	0.00	0.00	0.00	-3.80	3.80	Pm+Pb	99.50	25.21
	Middle	29803	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm	69.65	17.35
	Outside	29802	0.00	0.00	-3.79	0.00	0.00	0.00	0.00	0.00	-3.79	3.79	Pm+Pb	99.50	25.22

TABLE 2.10.6-232 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SIDE DROP
(T= -20°F) SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	-0.66	3.59	3.65	1.05	2.22	-0.25	5.89	1.75	-1.06	6.95	Pm+Pb	100.00	13.39
	Middle	1390	5.63	1.66	2.30	0.24	1.63	0.51	5.78	3.50	0.32	5.46	Pm	70.00	11.83
	Outside	1397	12.47	0.26	1.47	0.09	1.53	1.17	12.60	2.40	-0.80	13.40	Pm+Pb	100.00	6.46
2	Inside	1417	4.27	0.08	2.40	-0.65	-0.02	-0.63	4.55	2.22	-0.02	4.57	Pm+Pb	100.00	20.89
	Middle	1419	2.01	-0.11	1.34	-0.33	-0.27	1.48	3.24	0.16	-0.17	3.41	Pm	70.00	19.54
	Outside	1421	-0.20	-0.21	-0.09	-0.12	-0.45	3.15	3.06	-0.25	-3.31	6.37	Pm+Pb	100.00	14.69
3	Inside	1466	2.98	2.29	3.12	-2.42	-2.80	2.28	7.81	0.80	-0.21	8.02	Pm+Pb	100.00	11.47
	Middle	1465	0.55	0.17	2.75	0.23	-2.94	2.49	5.50	0.62	-2.66	8.15	Pm	70.00	7.59
	Outside	1464	-1.43	-1.34	2.42	2.10	-3.12	2.78	4.60	0.70	-5.64	10.24	Pm+Pb	100.00	8.77
4	Inside	9981	0.14	2.02	5.12	-0.96	-6.85	0.58	10.70	0.07	-3.49	14.19	Pm+Pb	100.00	6.05
	Middle	9983	-0.11	-0.52	4.97	-0.46	-6.11	0.50	8.97	-0.16	-4.48	13.45	Pm	70.00	4.20
	Outside	9985	-0.15	-2.93	4.79	-0.04	-5.61	0.35	7.75	-0.16	-5.88	13.63	Pm+Pb	100.00	6.33
5	Inside	9947	0.02	-2.87	5.94	-0.72	-7.89	0.42	10.61	0.00	-7.52	18.14	Pm+Pb	100.00	4.51
	Middle	9954	-0.16	-0.50	7.57	-0.44	-7.92	0.43	12.45	-0.19	-5.36	17.81	Pm	70.00	2.93
	Outside	9961	-0.33	1.90	9.26	-0.19	-8.18	0.37	14.56	-0.34	-3.39	17.94	Pm+Pb	100.00	4.57
6	Inside	27109	-0.02	-4.77	9.60	-0.73	-6.75	0.06	12.29	0.03	-7.50	19.79	Pm+Pb	100.00	4.05
	Middle	27111	0.27	-3.27	9.99	-0.30	-5.04	0.05	11.69	0.28	-4.98	16.67	Pm	70.00	3.20
	Outside	27113	0.43	-2.08	10.65	-0.11	-3.76	-0.16	11.67	0.44	-3.11	14.78	Pm+Pb	100.00	5.76
7	Inside	18594	-6.73	-6.27	7.93	-5.27	-2.10	-0.80	8.24	-1.32	-11.98	20.22	Pm+Pb	100.00	3.95
	Middle	18593	-2.38	-2.30	7.89	0.23	-2.08	-1.03	8.40	-2.48	-2.71	11.11	Pm	70.00	5.30
	Outside	18592	0.72	-0.16	7.32	3.65	-2.05	-1.25	8.52	2.80	-3.45	11.97	Pm+Pb	100.00	7.36
8	Inside	18545	-10.55	-4.96	7.07	-2.64	0.06	4.00	7.96	-4.07	-12.34	20.30	Pm+Pb	100.00	3.93
	Middle	18547	-6.22	-2.17	5.60	-1.75	0.18	-1.66	5.85	-1.59	-7.05	12.90	Pm	70.00	4.43
	Outside	18549	-2.35	-0.40	3.83	-1.10	-0.56	-6.61	8.04	-0.16	-6.80	14.84	Pm+Pb	100.00	5.74
9	Inside	18511	2.42	2.51	16.70	-0.78	-0.26	-0.80	16.75	3.23	1.64	15.10	Pm+Pb	100.00	5.62
	Middle	18518	-10.48	2.63	5.22	1.02	0.69	-0.14	5.39	2.54	-10.56	15.96	Pm	70.00	3.39
	Outside	18525	-22.69	3.36	-4.81	1.68	0.80	0.02	3.55	-4.89	-22.80	26.35	Pm+Pb	100.00	2.80

**TABLE 2.10.6-233 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SIDE DROP
(T= -20°F) SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-12.83	-1.48	-10.44	-0.61	-0.24	0.44	-1.44	-10.38	-12.93	11.49	Pm+Pb	100.00	7.70
	Middle	2755	0.89	-0.90	-6.58	-0.58	-0.18	0.36	1.08	-1.06	-6.60	7.68	Pm	70.00	8.11
	Outside	2762	14.22	-0.24	-2.85	-0.63	-0.24	0.34	14.25	-0.24	-2.88	17.13	Pm+Pb	100.00	4.84
2	Inside	2965	2.05	-0.05	-5.12	-0.49	-0.13	3.10	3.28	-0.13	-6.27	9.55	Pm+Pb	100.00	9.47
	Middle	2967	0.51	-0.15	-6.77	-0.35	-0.23	3.50	2.00	-0.23	-8.18	10.18	Pm	70.00	5.87
	Outside	2969	-0.17	0.26	-7.65	-0.15	-0.12	3.79	1.44	0.23	-9.24	10.68	Pm+Pb	100.00	8.37
3	Inside	3053	3.38	3.58	-1.73	-3.19	-3.41	3.45	8.89	0.29	-3.95	12.83	Pm+Pb	100.00	6.79
	Middle	3052	0.19	0.29	-4.17	0.00	-4.31	4.38	4.56	0.24	-8.49	13.06	Pm	70.00	4.36
	Outside	3051	-2.15	-2.12	-6.19	2.28	-5.28	5.31	2.24	0.15	-12.84	15.08	Pm+Pb	100.00	5.63
4	Inside	11529	0.04	4.37	0.29	-0.56	-5.85	0.31	8.57	-0.01	-3.87	12.44	Pm+Pb	100.00	7.04
	Middle	11531	-0.26	0.25	-0.43	-0.28	-8.65	0.24	8.58	-0.28	-8.75	17.33	Pm	70.00	3.04
	Outside	11533	-0.40	-3.21	-0.95	0.02	-11.35	0.67	9.36	-0.41	-13.50	22.86	Pm+Pb	100.00	3.37
5	Inside	11312	0.03	0.33	4.47	0.04	-10.06	-0.40	12.68	0.03	-7.88	20.55	Pm+Pb	100.00	3.87
	Middle	11319	-0.01	-0.02	6.81	0.04	-11.02	-0.40	14.94	-0.02	-8.14	23.08	Pm	70.00	2.03
	Outside	11326	-0.04	-0.36	9.13	0.05	-11.96	-0.34	17.26	-0.04	-8.48	25.75	Pm+Pb	100.00	2.88
6	Inside	28657	0.12	1.69	12.14	-0.06	-15.34	-0.93	23.14	0.13	-9.33	32.47	Pm+Pb	100.00	2.08
	Middle	28659	-0.23	-0.60	14.55	-0.14	-11.70	-0.81	20.94	-0.21	-7.00	27.94	Pm	70.00	1.51
	Outside	28661	-0.54	-2.36	17.07	-0.11	-8.27	-0.60	20.13	-0.53	-5.43	25.56	Pm+Pb	100.00	2.91
7	Inside	20181	-4.98	-4.13	11.63	-4.09	-13.72	-13.96	23.53	-0.45	-20.56	44.09	Pm+Pb	100.00	1.27
	Middle	20180	-0.79	0.01	15.23	-0.09	-6.88	-7.10	20.01	-0.27	-5.28	25.29	Pm	70.00	1.77
	Outside	20179	2.40	3.15	18.64	2.73	-1.60	-1.54	19.00	5.17	0.02	18.98	Pm+Pb	100.00	4.27
8	Inside	20093	-8.96	-0.68	14.11	-1.56	-1.27	-17.96	23.93	-0.48	-18.99	42.92	Pm+Pb	100.00	1.33
	Middle	20095	-1.81	0.18	14.08	-1.04	-1.25	-4.93	15.54	0.60	-3.68	19.22	Pm	70.00	2.64
	Outside	20097	3.18	-0.05	12.75	-0.30	0.11	7.36	16.74	0.07	-0.92	17.66	Pm+Pb	100.00	4.66
9	Inside	19876	5.70	-0.46	27.03	0.04	-2.69	-1.23	27.36	5.63	-0.72	28.08	Pm+Pb	100.00	2.56
	Middle	19883	-3.53	-0.47	14.16	0.09	-2.78	-0.27	14.68	-0.98	-3.54	18.21	Pm	70.00	2.84
	Outside	19890	-13.00	-0.82	0.69	-0.36	-2.36	0.39	2.43	-2.55	-13.02	15.45	Pm+Pb	100.00	5.47

TABLE 2.10.6-234 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SIDE DROP
(T= -20°F) SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-11.30	-0.27	-22.23	-0.09	0.04	0.22	-0.27	-11.29	-22.23	21.96	Pm+Pb	100.00	3.55
	Middle	2944	-1.13	-0.17	-20.79	-0.06	0.02	0.25	-0.17	-1.13	-20.79	20.62	Pm	70.00	2.39
	Outside	2951	8.99	-0.07	-19.33	-0.05	0.02	0.27	8.99	-0.07	-19.34	28.33	Pm+Pb	100.00	2.53
2	Inside	3019	-11.48	-0.74	-23.12	0.51	-0.14	2.92	-0.72	-10.80	-23.81	23.09	Pm+Pb	100.00	3.33
	Middle	3021	-0.45	-0.50	-21.32	-0.09	-0.15	3.39	0.11	-0.52	-21.86	21.96	Pm	70.00	2.19
	Outside	3023	8.75	-0.29	-20.04	-0.56	-0.16	3.86	9.30	-0.32	-20.55	29.85	Pm+Pb	100.00	2.35
3	Inside	3188	-3.45	-2.08	-19.06	2.48	-3.32	3.31	-0.17	-3.93	-20.51	20.34	Pm+Pb	100.00	3.92
	Middle	3187	-0.59	0.46	-18.72	-0.16	-3.60	3.58	1.53	-0.37	-20.00	21.53	Pm	70.00	2.25
	Outside	3186	1.45	2.23	-18.83	-2.01	-3.91	3.89	5.14	-0.20	-20.10	25.25	Pm+Pb	100.00	2.96
4	Inside	11583	0.02	3.84	-10.09	0.28	-5.66	0.30	5.85	0.03	-12.11	17.96	Pm+Pb	100.00	4.57
	Middle	11585	0.06	0.44	-11.48	0.41	-6.33	0.30	3.20	0.05	-14.22	17.42	Pm	70.00	3.02
	Outside	11587	0.07	-2.58	-12.74	0.52	-7.01	0.31	1.10	-0.02	-16.34	17.44	Pm+Pb	100.00	4.73
5	Inside	11501	0.00	16.77	10.41	0.40	-7.02	-0.04	21.30	5.89	-0.01	21.31	Pm+Pb	100.00	3.69
	Middle	11508	0.00	1.61	4.87	0.40	-7.29	-0.04	10.72	0.01	-4.26	14.98	Pm	70.00	3.67
	Outside	11515	0.00	-13.55	-0.68	0.40	-7.58	-0.04	2.84	-0.01	-17.06	19.91	Pm+Pb	100.00	4.02
6	Inside	28711	0.95	31.96	30.86	2.06	-7.54	-0.38	39.05	23.91	0.81	38.24	Pm+Pb	100.00	1.62
	Middle	28713	0.71	1.52	20.87	0.27	-5.96	-0.34	22.57	0.74	-0.19	22.76	Pm	70.00	2.08
	Outside	28715	0.50	-23.73	12.41	-1.12	-4.58	-0.30	12.98	0.55	-24.35	37.33	Pm+Pb	100.00	1.68
7	Inside	20316	9.46	13.08	34.45	10.28	-4.84	-4.82	37.41	18.76	0.83	36.58	Pm+Pb	100.00	1.73
	Middle	20315	-0.57	2.23	29.46	0.03	-3.17	-3.14	30.14	1.90	-0.92	31.06	Pm	70.00	1.25
	Outside	20314	-7.58	-5.45	26.30	-7.15	-1.78	-1.75	26.46	0.71	-13.90	40.35	Pm+Pb	100.00	1.48
8	Inside	20147	-10.25	-0.61	27.06	1.55	-0.22	-4.66	27.63	-0.40	-11.04	38.68	Pm+Pb	100.00	1.59
	Middle	20149	1.24	-0.43	33.26	1.93	-0.20	-3.03	33.54	2.28	-1.77	35.31	Pm	70.00	0.98
	Outside	20151	11.64	-0.15	39.14	2.23	-0.17	-1.56	39.23	11.96	-0.56	39.79	Pm+Pb	100.00	1.51
9	Inside	20065	-41.02	-0.48	16.38	0.27	-0.03	-0.31	16.38	-0.48	-41.03	57.40	Pm+Pb	100.00	0.74
	Middle	20072	1.51	-0.37	32.54	0.26	-0.04	-0.23	32.54	1.54	-0.41	32.95	Pm	70.00	1.12
	Outside	20079	43.98	-0.26	48.65	0.26	-0.04	-0.15	48.66	43.97	-0.26	48.92	Pm+Pb	100.00	1.04

TABLE 2.10.6-235 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SIDE DROP
(T= -20°F) SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-12.79	-0.24	-27.45	-0.08	0.01	0.14	-0.24	-12.79	-27.45	27.21	Pm+Pb	100.00	2.67
	Middle	3406	-1.27	-0.15	-25.85	-0.05	0.02	0.17	-0.15	-1.27	-25.85	25.70	Pm	70.00	1.72
	Outside	3413	10.20	-0.07	-24.29	-0.04	0.01	0.20	10.20	-0.07	-24.29	34.49	Pm+Pb	100.00	1.90
2	Inside	3481	-13.32	-0.98	-28.53	0.55	-0.11	2.02	-0.95	-13.08	-28.79	27.84	Pm+Pb	100.00	2.59
	Middle	3483	-0.44	-0.66	-26.50	-0.15	-0.12	2.34	-0.18	-0.71	-26.71	26.53	Pm	70.00	1.64
	Outside	3485	10.30	-0.37	-25.14	-0.69	-0.12	2.67	10.54	-0.41	-25.34	35.88	Pm+Pb	100.00	1.79
3	Inside	3650	-3.59	-1.93	-23.33	2.47	-2.42	2.39	-0.14	-4.76	-23.95	23.81	Pm+Pb	100.00	3.20
	Middle	3649	-0.64	0.62	-23.17	-0.22	-2.47	2.43	1.02	-0.54	-23.67	24.70	Pm	70.00	1.83
	Outside	3648	1.45	2.39	-23.51	-2.09	-2.57	2.53	4.51	-0.22	-23.98	28.49	Pm+Pb	100.00	2.51
4	Inside	12045	0.04	5.22	-12.78	0.22	-4.14	0.20	6.13	0.04	-13.69	19.82	Pm+Pb	100.00	4.05
	Middle	12047	0.08	0.62	-14.32	0.42	-4.28	0.20	1.83	0.01	-15.47	17.30	Pm	70.00	3.05
	Outside	12049	0.10	-3.44	-15.72	0.58	-4.46	0.20	0.21	-2.11	-17.17	17.39	Pm+Pb	100.00	4.75
5	Inside	11963	0.00	18.78	10.62	0.40	-4.81	-0.01	21.01	8.39	-0.01	21.02	Pm+Pb	100.00	3.76
	Middle	11970	0.00	1.87	5.17	0.40	-4.83	-0.01	8.63	0.06	-1.64	10.27	Pm	70.00	5.82
	Outside	11977	0.00	-15.04	-0.28	0.40	-4.84	-0.01	1.18	-0.01	-16.49	17.67	Pm+Pb	100.00	4.66
6	Inside	29173	1.00	33.59	34.55	2.11	-4.58	-0.22	38.73	29.53	0.87	37.87	Pm+Pb	100.00	1.64
	Middle	29175	0.75	1.58	24.60	0.24	-3.89	-0.20	25.24	1.06	0.62	24.62	Pm	70.00	1.84
	Outside	29177	0.52	-25.00	16.29	-1.22	-3.31	-0.18	16.55	0.58	-25.32	41.88	Pm+Pb	100.00	1.39
7	Inside	20778	9.39	13.25	38.74	10.31	-2.78	-2.75	39.59	20.96	0.83	38.77	Pm+Pb	100.00	1.58
	Middle	20777	-0.68	2.29	33.92	0.00	-2.10	-2.06	34.18	2.16	-0.81	34.99	Pm	70.00	1.00
	Outside	20776	-7.71	-5.46	30.99	-7.23	-1.55	-1.52	31.09	0.73	-14.00	45.10	Pm+Pb	100.00	1.22
8	Inside	20609	-11.72	-0.64	31.26	1.50	-0.13	-2.51	31.41	-0.45	-12.06	43.46	Pm+Pb	100.00	1.30
	Middle	20611	1.08	-0.46	37.54	1.95	-0.12	-1.95	37.64	2.33	-1.81	39.45	Pm	70.00	0.77
	Outside	20613	12.62	-0.17	43.49	2.30	-0.11	-1.46	43.56	12.95	-0.57	44.13	Pm+Pb	100.00	1.27
9	Inside	20527	-43.22	-0.48	21.09	0.27	-0.01	-0.17	21.09	-0.47	-43.23	64.31	Pm+Pb	100.00	0.55
	Middle	20534	1.15	-0.37	37.01	0.26	-0.01	-0.14	37.01	1.19	-0.41	37.42	Pm	70.00	0.87
	Outside	20541	45.48	-0.26	52.93	0.26	-0.02	-0.12	52.93	45.48	-0.26	53.19	Pm+Pb	100.00	0.88

TABLE 2.10.6-236 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SIDE DROP
(T= -20°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-14.36	-0.38	-31.97	-0.12	0.00	0.00	-0.37	-14.36	-31.97	31.59	Pm+Pb	100.00	2.17
	Middle	3868	-1.26	-0.23	-30.12	-0.08	0.00	0.00	-0.23	-1.27	-30.12	29.90	Pm	70.00	1.34
	Outside	3875	11.77	-0.10	-28.31	-0.06	0.00	0.00	11.77	-0.10	-28.31	40.08	Pm+Pb	100.00	1.50
2	Inside	3943	-14.18	-1.16	-32.79	0.50	0.00	0.01	-1.14	-14.19	-32.79	31.65	Pm+Pb	100.00	2.16
	Middle	3945	-0.39	-0.78	-30.76	-0.22	0.00	-0.01	-0.29	-0.88	-30.76	30.47	Pm	70.00	1.30
	Outside	3947	11.11	-0.43	-29.42	-0.79	0.00	-0.02	11.17	-0.48	-29.42	40.59	Pm+Pb	100.00	1.46
3	Inside	4112	-3.29	-1.46	-26.53	2.12	0.00	0.00	-0.07	-4.68	-26.53	26.47	Pm+Pb	100.00	2.78
	Middle	4111	-0.67	0.72	-26.77	-0.22	0.01	-0.01	0.75	-0.71	-26.77	27.52	Pm	70.00	1.54
	Outside	4110	1.18	2.21	-27.43	-1.85	0.01	-0.01	3.62	-0.22	-27.43	31.05	Pm+Pb	100.00	2.22
4	Inside	12507	0.07	6.44	-14.78	0.15	0.01	0.00	6.44	0.07	-14.78	21.22	Pm+Pb	100.00	3.71
	Middle	12509	0.11	0.66	-16.59	0.42	0.01	0.00	0.88	-0.12	-16.59	17.47	Pm	70.00	3.01
	Outside	12511	0.13	-4.38	-18.17	0.63	0.01	0.00	0.21	-4.47	-18.17	18.38	Pm+Pb	100.00	4.44
5	Inside	12425	0.00	19.63	10.92	0.39	0.02	0.00	19.64	10.92	-0.01	19.65	Pm+Pb	100.00	4.09
	Middle	12432	0.00	1.92	5.49	0.39	0.01	0.00	5.49	1.99	-0.08	5.57	Pm	70.00	11.57
	Outside	12439	0.00	-15.80	0.06	0.39	0.01	0.00	0.06	0.01	-15.81	15.87	Pm+Pb	100.00	5.30
6	Inside	29635	1.01	33.81	37.25	2.09	0.02	0.00	37.25	33.94	0.88	36.37	Pm+Pb	100.00	1.75
	Middle	29637	0.75	1.57	27.44	0.22	0.01	0.00	27.44	1.63	0.70	26.74	Pm	70.00	1.62
	Outside	29639	0.52	-25.21	19.28	-1.25	0.01	0.00	19.28	0.58	-25.27	44.55	Pm+Pb	100.00	1.24
7	Inside	21240	9.27	13.17	42.10	10.23	0.01	0.01	42.10	21.63	0.81	41.29	Pm+Pb	100.00	1.42
	Middle	21239	-0.69	2.30	37.52	0.01	0.01	0.01	37.52	2.30	-0.69	38.21	Pm	70.00	0.83
	Outside	21238	-7.64	-5.38	34.80	-7.15	0.01	0.01	34.80	0.73	-13.75	48.55	Pm+Pb	100.00	1.06
8	Inside	21071	-12.14	-0.66	34.74	1.49	0.00	0.01	34.74	-0.47	-12.33	47.07	Pm+Pb	100.00	1.12
	Middle	21073	1.12	-0.47	41.19	1.96	0.00	0.01	41.19	2.44	-1.79	42.98	Pm	70.00	0.63
	Outside	21075	13.03	-0.18	47.26	2.33	0.00	0.01	47.26	13.43	-0.58	47.84	Pm+Pb	100.00	1.09
9	Inside	20989	-43.83	-0.48	24.62	0.27	0.00	0.00	24.62	-0.47	-43.83	68.46	Pm+Pb	100.00	0.46
	Middle	20996	1.17	-0.37	40.60	0.26	0.00	0.00	40.60	1.21	-0.41	41.01	Pm	70.00	0.71
	Outside	21003	46.12	-0.26	56.55	0.26	0.00	0.00	56.55	46.12	-0.26	56.81	Pm+Pb	100.00	0.76

TABLE 2.10.6-237 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SIDE DROP (T= -20°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	6.60	0.57	-2.07	-0.80	-0.05	0.58	6.74	0.46	-2.11	8.85	Pm+Pb	100.00	10.29
	Middle	10029	-1.51	0.91	-3.28	0.03	-0.07	0.50	0.92	-1.38	-3.41	4.33	Pm	70.00	15.18
	Outside	10028	-7.85	0.73	-5.19	0.65	0.04	0.48	0.78	-5.11	-7.98	8.76	Pm+Pb	100.00	10.41
4	Inside	9981	3.51	2.06	-0.10	-2.42	-1.93	2.69	6.88	0.26	-1.66	8.54	Pm+Pb	100.00	10.71
	Middle	9983	0.13	-0.46	-1.84	0.08	-2.36	2.68	2.66	-0.14	-4.70	7.36	Pm	70.00	8.51
	Outside	9985	-3.09	-2.72	-4.27	2.51	-2.92	3.18	-0.39	-0.49	-9.20	8.81	Pm+Pb	100.00	10.35
5	Inside	1383	0.72	-0.62	2.97	0.05	-3.26	3.68	6.68	0.07	-3.67	10.35	Pm+Pb	100.00	8.67
	Middle	1390	2.29	1.27	3.87	-1.91	-3.65	4.09	9.29	-0.15	-1.71	11.00	Pm	70.00	5.36
	Outside	1397	3.83	3.15	4.61	-3.82	-4.14	4.58	12.30	-0.32	-0.38	12.68	Pm+Pb	100.00	6.89
6	Inside	1417	-4.34	-4.06	4.07	-1.34	-4.22	4.06	7.42	-5.54	-6.21	13.63	Pm+Pb	100.00	6.34
	Middle	1419	-0.47	0.29	7.20	-2.98	-4.98	4.70	12.23	-2.09	-3.12	15.35	Pm	70.00	3.56
	Outside	1421	2.40	3.72	9.91	-3.91	-5.95	5.40	16.62	0.34	-0.93	17.55	Pm+Pb	100.00	4.70
7	Inside	1466	0.16	-0.62	8.90	-0.55	-6.47	0.16	12.19	0.19	-3.93	16.12	Pm+Pb	100.00	5.21
	Middle	1465	0.28	1.70	8.11	-0.20	-5.67	0.01	11.41	0.29	-1.62	13.03	Pm	70.00	4.37
	Outside	1464	0.60	4.02	7.84	0.28	-5.15	-0.05	11.42	0.74	0.30	11.12	Pm+Pb	100.00	7.99
8	Inside	18545	-4.97	-5.54	9.95	-0.93	-4.07	-2.18	11.18	-4.30	-7.44	18.62	Pm+Pb	100.00	4.37
	Middle	18547	-1.19	-1.55	8.50	0.89	-3.65	-2.66	10.37	-1.87	-2.73	13.10	Pm	70.00	4.34
	Outside	18549	1.65	1.75	6.98	2.29	-3.80	-2.81	10.42	0.69	-0.73	11.15	Pm+Pb	100.00	7.97
9	Inside	18511	2.21	0.71	18.85	-0.77	-1.05	0.83	18.95	2.45	0.35	18.60	Pm+Pb	100.00	4.38
	Middle	18518	-1.66	-2.86	8.91	-4.07	-1.72	-1.36	9.21	1.85	-6.69	15.90	Pm	70.00	3.40
	Outside	18525	-4.86	-6.05	0.24	-7.32	-3.01	-3.08	1.99	1.43	-14.09	16.08	Pm+Pb	100.00	5.22
10	Inside	27109	-6.02	-0.79	11.53	-4.05	-5.34	-5.08	14.13	1.09	-10.50	24.64	Pm+Pb	100.00	3.06
	Middle	27111	-6.66	-2.88	5.85	-5.92	-0.45	-0.56	5.88	1.45	-11.01	16.90	Pm	70.00	3.14
	Outside	27113	-7.30	-4.05	0.73	-6.55	3.27	3.69	2.43	1.01	-14.07	16.50	Pm+Pb	100.00	5.06
11	Inside	27158	-18.61	-2.41	6.78	-2.61	-1.89	-0.85	7.16	-2.32	-19.07	26.22	Pm+Pb	100.00	2.81
	Middle	27157	-8.22	-5.01	4.17	-1.86	-1.39	0.04	4.38	-4.35	-9.10	13.48	Pm	70.00	4.19
	Outside	27156	-3.62	-7.04	0.04	-1.46	-1.07	0.83	0.47	-3.45	-7.65	8.12	Pm+Pb	100.00	11.31

**TABLE 2.10.6-238 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SIDE DROP (T= -20°F)
SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	6.35	0.30	-9.30	-0.57	0.03	0.26	6.41	0.24	-9.31	15.71	Pm+Pb	100.00	5.36
	Middle	11616	-0.16	0.25	-12.45	0.06	0.05	0.36	0.26	-0.16	-12.46	12.72	Pm	70.00	4.50
	Outside	11615	-4.86	0.16	-15.15	0.52	0.03	0.40	0.21	-4.89	-15.17	15.38	Pm+Pb	100.00	5.50
4	Inside	11529	2.64	1.81	-8.46	-2.13	-0.92	1.16	4.56	0.05	-8.63	13.19	Pm+Pb	100.00	6.58
	Middle	11531	0.13	-0.17	-11.02	-0.20	-1.83	1.90	0.79	-0.24	-11.60	12.39	Pm	70.00	4.65
	Outside	11533	-1.68	-1.42	-12.88	1.44	-2.43	2.95	-0.09	-1.70	-14.18	14.09	Pm+Pb	100.00	6.10
5	Inside	2748	-2.25	-2.40	-3.52	2.44	-2.25	2.29	0.12	-0.88	-7.41	7.54	Pm+Pb	100.00	12.27
	Middle	2755	0.50	0.34	-2.25	-0.33	-3.71	3.70	4.70	0.09	-6.20	10.89	Pm	70.00	5.43
	Outside	2762	3.29	3.14	-0.90	-3.08	-5.15	5.10	10.79	0.14	-5.39	16.18	Pm+Pb	100.00	5.18
6	Inside	2965	-0.05	0.82	5.36	-0.64	-7.03	5.95	12.68	-0.31	-6.24	18.92	Pm+Pb	100.00	4.28
	Middle	2967	-0.08	0.68	5.70	-0.49	-6.91	5.86	12.66	-0.24	-6.12	18.77	Pm	70.00	2.73
	Outside	2969	0.17	0.68	6.23	-0.43	-6.83	5.81	12.92	-0.04	-5.80	18.72	Pm+Pb	100.00	4.34
7	Inside	3053	0.12	3.16	9.29	-0.16	-13.53	-0.31	20.10	0.13	-7.66	27.76	Pm+Pb	100.00	2.60
	Middle	3052	0.08	0.66	9.22	-0.19	-10.46	-0.30	16.25	0.10	-6.37	22.62	Pm	70.00	2.09
	Outside	3051	0.00	-1.03	9.27	-0.21	-8.33	-0.31	13.92	0.02	-5.69	19.61	Pm+Pb	100.00	4.10
8	Inside	20093	-1.81	-2.36	9.50	-1.53	-11.00	-10.25	19.34	-0.54	-13.48	32.82	Pm+Pb	100.00	2.05
	Middle	20095	-0.03	-0.17	10.77	0.03	-8.08	-7.25	17.48	-0.12	-6.79	24.27	Pm	70.00	1.88
	Outside	20097	1.34	1.57	11.71	1.27	-5.04	-4.71	15.45	0.18	-1.01	16.46	Pm+Pb	100.00	5.08
9	Inside	19876	0.95	-0.13	17.49	0.74	-9.97	-8.55	24.77	-0.19	-6.27	31.04	Pm+Pb	100.00	2.22
	Middle	19883	-0.95	-1.99	13.09	-1.22	-7.22	-5.98	17.44	-0.16	-7.13	24.56	Pm	70.00	1.85
	Outside	19890	-2.90	-3.83	8.83	-3.13	-4.33	-3.40	10.60	-0.20	-8.30	18.90	Pm+Pb	100.00	4.29
10	Inside	28657	-3.38	-1.01	13.92	-1.90	-2.19	-1.48	14.32	-0.05	-4.74	19.06	Pm+Pb	100.00	4.25
	Middle	28659	-2.59	-0.58	15.44	-1.41	-4.99	-4.32	17.58	-0.07	-5.24	22.83	Pm	70.00	2.07
	Outside	28661	-2.52	-1.46	16.03	-1.02	-7.12	-7.42	20.52	-0.92	-7.56	28.07	Pm+Pb	100.00	2.56
11	Inside	28745	-14.17	-0.68	10.29	-1.42	-0.32	-0.43	10.30	-0.54	-14.33	24.63	Pm+Pb	100.00	3.06
	Middle	28744	-1.85	-0.37	15.11	-0.15	-0.36	-1.03	15.18	-0.36	-1.93	17.11	Pm	70.00	3.09
	Outside	28743	7.23	0.37	19.94	1.01	-0.74	-1.17	20.09	7.25	0.21	19.88	Pm+Pb	100.00	4.03

TABLE 2.10.6-239 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SIDE DROP (T= -20°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	-8.23	-0.47	-26.95	0.76	0.09	0.12	-0.40	-8.30	-26.95	26.55	Pm+Pb	100.00	2.77
	Middle	11751	0.39	-0.36	-25.78	-0.09	0.07	0.21	0.40	-0.37	-25.78	26.18	Pm	70.00	1.67
	Outside	11750	6.42	-0.27	-25.36	-0.67	0.06	0.28	6.49	-0.33	-25.36	31.85	Pm+Pb	100.00	2.14
4	Inside	11583	-4.28	-3.27	-24.23	3.38	-0.31	0.49	-0.36	-7.17	-24.25	23.89	Pm+Pb	100.00	3.19
	Middle	11585	-0.15	0.02	-23.08	-0.19	-0.99	1.19	0.23	-0.27	-23.19	23.42	Pm	70.00	1.99
	Outside	11587	3.24	2.75	-22.29	-3.13	-1.65	1.86	6.35	-0.14	-22.51	28.86	Pm+Pb	100.00	2.46
5	Inside	2937	-2.10	-1.72	-13.00	1.42	-1.83	1.84	-0.47	-2.70	-13.65	13.18	Pm+Pb	100.00	6.59
	Middle	2944	-0.33	0.06	-13.31	-0.19	-2.92	2.90	1.24	-0.35	-14.47	15.71	Pm	70.00	3.46
	Outside	2951	1.39	1.80	-13.63	-1.76	-4.00	3.97	5.06	-0.18	-15.33	20.38	Pm+Pb	100.00	3.91
6	Inside	3019	4.78	7.62	0.92	-6.49	-4.42	3.86	15.25	-0.39	-1.52	16.77	Pm+Pb	100.00	4.96
	Middle	3021	-0.60	0.59	-4.37	-0.12	-4.52	3.97	4.39	-0.24	-8.53	12.93	Pm	70.00	4.41
	Outside	3023	-5.04	-5.14	-8.99	5.13	-4.67	4.14	0.06	-3.36	-15.87	15.92	Pm+Pb	100.00	5.28
7	Inside	3188	1.12	20.43	9.27	-0.11	-7.85	-0.08	24.48	5.22	1.12	23.36	Pm+Pb	100.00	3.28
	Middle	3187	0.87	-0.04	2.66	-0.10	-6.61	-0.08	8.06	0.88	-5.44	13.50	Pm	70.00	4.18
	Outside	3186	0.67	-14.31	-2.05	-0.09	-5.68	-0.08	0.67	0.17	-16.54	17.21	Pm+Pb	100.00	4.81
8	Inside	20147	3.11	5.72	12.04	4.31	-6.04	-5.56	18.81	2.29	-0.24	19.05	Pm+Pb	100.00	4.25
	Middle	20149	-0.42	1.09	10.68	0.23	-5.03	-4.62	14.14	0.18	-2.97	17.11	Pm	70.00	3.09
	Outside	20151	-3.21	-2.51	9.85	-3.05	-4.15	-3.77	11.65	0.18	-7.71	19.35	Pm+Pb	100.00	4.17
9	Inside	20065	-3.84	-3.70	19.84	-3.68	-4.93	-4.93	21.52	-0.09	-9.13	30.64	Pm+Pb	100.00	2.26
	Middle	20072	0.68	0.89	23.94	0.87	-4.00	-4.00	25.29	0.32	-0.11	25.40	Pm	70.00	1.76
	Outside	20079	5.17	5.46	28.00	5.38	-3.07	-3.06	29.02	9.67	-0.07	29.10	Pm+Pb	100.00	2.44
10	Inside	28711	0.44	-0.93	35.73	-0.08	-2.21	-2.31	36.01	0.33	-1.10	37.11	Pm+Pb	100.00	1.69
	Middle	28713	1.49	0.12	37.90	0.94	-1.62	-1.68	38.05	1.83	-0.36	38.41	Pm	70.00	0.82
	Outside	28715	2.48	1.15	39.99	1.88	-1.08	-1.11	40.06	3.75	-0.18	40.24	Pm+Pb	100.00	1.49
11	Inside	28880	4.33	-0.05	40.50	0.32	-0.12	-0.43	40.51	4.35	-0.07	40.58	Pm+Pb	100.00	1.46
	Middle	28879	1.65	0.01	41.92	0.07	-0.12	-0.29	41.92	1.65	0.01	41.91	Pm	70.00	0.67
	Outside	28878	-0.29	0.07	43.50	-0.11	-0.12	-0.18	43.51	0.10	-0.32	43.82	Pm+Pb	100.00	1.28

**TABLE 2.10.6-240 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SIDE DROP (T= -20°F)
SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-13.94	-0.80	-33.40	1.26	0.06	0.10	-0.68	-14.06	-33.40	32.73	Pm+Pb	100.00	2.06
	Middle	12213	0.57	-0.61	-30.60	-0.16	0.05	0.16	0.59	-0.63	-30.60	31.19	Pm	70.00	1.24
	Outside	12212	10.73	-0.45	-29.13	-1.15	0.04	0.20	10.85	-0.57	-29.13	39.97	Pm+Pb	100.00	1.50
4	Inside	12045	-6.58	-4.78	-29.73	5.23	-0.26	0.39	-0.38	-10.98	-29.74	29.37	Pm+Pb	100.00	2.41
	Middle	12047	-0.32	0.16	-27.57	-0.23	-0.74	0.88	0.29	-0.40	-27.61	27.90	Pm	70.00	1.51
	Outside	12049	4.80	4.25	-26.01	-4.72	-1.21	1.36	9.34	-0.20	-26.11	35.45	Pm+Pb	100.00	1.82
5	Inside	3399	-1.18	-0.74	-15.58	1.05	-1.36	1.31	0.12	-1.78	-15.83	15.96	Pm+Pb	100.00	5.27
	Middle	3406	-0.21	0.26	-16.56	0.01	-2.12	2.08	0.62	-0.06	-17.07	17.70	Pm	70.00	2.96
	Outside	3413	0.79	1.27	-17.51	-1.04	-2.89	2.84	2.90	-0.03	-18.31	21.21	Pm+Pb	100.00	3.72
6	Inside	3481	6.08	9.41	-0.12	-7.99	-3.05	2.68	16.87	-0.38	-1.12	17.99	Pm+Pb	100.00	4.56
	Middle	3483	-0.66	0.65	-6.54	-0.09	-3.14	2.76	2.30	-0.30	-8.55	10.85	Pm	70.00	5.45
	Outside	3485	-6.23	-6.51	-12.15	6.44	-3.25	2.88	0.08	-8.13	-16.84	16.92	Pm+Pb	100.00	4.91
7	Inside	3650	1.34	24.33	9.46	-0.12	-5.33	-0.06	26.04	7.75	1.34	24.70	Pm+Pb	100.00	3.05
	Middle	3649	1.04	-0.18	1.55	-0.11	-4.50	-0.05	5.27	1.04	-3.90	9.16	Pm	70.00	6.64
	Outside	3648	0.79	-17.28	-4.11	-0.10	-3.87	-0.05	0.79	-3.06	-18.33	19.12	Pm+Pb	100.00	4.23
8	Inside	20609	4.20	7.33	13.08	5.58	-4.03	-3.72	17.84	6.82	-0.06	17.90	Pm+Pb	100.00	4.59
	Middle	20611	-0.51	1.21	11.06	0.17	-3.34	-3.06	12.75	0.49	-1.48	14.23	Pm	70.00	3.92
	Outside	20613	-4.26	-3.62	9.72	-4.19	-2.73	-2.47	10.46	0.25	-8.86	19.32	Pm+Pb	100.00	4.18
9	Inside	20527	-4.01	-3.70	23.01	-3.76	-3.25	-3.25	23.68	-0.09	-8.29	31.98	Pm+Pb	100.00	2.13
	Middle	20534	0.57	0.96	27.27	0.84	-2.58	-2.58	27.78	1.13	-0.11	27.89	Pm	70.00	1.51
	Outside	20541	5.13	5.59	31.54	5.43	-1.92	-1.91	31.89	10.45	-0.07	31.96	Pm+Pb	100.00	2.13
10	Inside	29173	-1.33	-2.19	40.90	-1.51	-1.46	-1.51	41.00	-0.19	-3.43	44.43	Pm+Pb	100.00	1.25
	Middle	29175	1.38	0.17	44.17	0.97	-1.04	-1.07	44.22	1.87	-0.37	44.60	Pm	70.00	0.57
	Outside	29177	3.74	2.27	47.27	3.13	-0.65	-0.67	47.29	6.20	-0.21	47.50	Pm+Pb	100.00	1.11
11	Inside	29342	0.43	-0.26	46.00	-0.03	-0.09	-0.28	46.01	0.43	-0.26	46.27	Pm+Pb	100.00	1.16
	Middle	29341	1.75	-0.15	48.97	0.11	-0.08	-0.18	48.97	1.76	-0.16	49.13	Pm	70.00	0.42
	Outside	29340	2.65	-0.05	51.83	0.20	-0.08	-0.11	51.83	2.66	-0.07	51.90	Pm+Pb	100.00	0.93

TABLE 2.10.6-241 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SIDE DROP (T= -20°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-18.60	-1.06	-39.13	1.67	0.00	0.00	-0.90	-18.76	-39.13	38.23	Pm+Pb	100.00	1.62
	Middle	12675	0.69	-0.80	-35.11	-0.21	0.00	0.00	0.72	-0.83	-35.11	35.83	Pm	70.00	0.95
	Outside	12674	14.20	-0.60	-32.82	-1.53	0.00	0.01	14.35	-0.76	-32.82	47.18	Pm+Pb	100.00	1.12
4	Inside	12507	-8.47	-6.04	-34.62	6.77	-0.01	0.01	-0.37	-14.14	-34.62	34.25	Pm+Pb	100.00	1.92
	Middle	12509	-0.46	0.26	-31.67	-0.24	-0.02	0.03	0.33	-0.53	-31.67	32.00	Pm	70.00	1.19
	Outside	12511	6.10	5.47	-29.47	-6.01	-0.04	0.04	11.81	-0.24	-29.47	41.28	Pm+Pb	100.00	1.42
5	Inside	3861	-0.93	-0.39	-18.18	0.85	-0.01	0.01	0.24	-1.56	-18.18	18.42	Pm+Pb	100.00	4.43
	Middle	3868	-0.26	0.32	-19.30	0.07	-0.04	0.04	0.32	-0.26	-19.30	19.62	Pm	70.00	2.57
	Outside	3875	0.45	1.04	-20.40	-0.74	-0.07	0.07	1.54	-0.05	-20.40	21.94	Pm+Pb	100.00	3.56
6	Inside	3943	7.25	11.05	-0.59	-9.32	0.00	0.00	18.66	-0.36	-0.59	19.25	Pm+Pb	100.00	4.19
	Middle	3945	-0.72	0.71	-7.99	-0.04	-0.02	0.02	0.71	-0.72	-7.99	8.70	Pm	70.00	7.04
	Outside	3947	-7.32	-7.74	-14.43	7.64	-0.04	0.04	0.11	-14.43	-15.18	15.29	Pm+Pb	100.00	5.54
7	Inside	4112	1.55	27.94	10.17	-0.13	0.01	0.00	27.94	10.17	1.55	26.39	Pm+Pb	100.00	2.79
	Middle	4111	1.20	-0.33	1.09	-0.11	0.00	0.00	1.20	1.09	-0.34	1.54	Pm	70.00	44.44
	Outside	4110	0.90	-20.05	-5.40	-0.10	0.00	0.00	0.90	-5.40	-20.05	20.95	Pm+Pb	100.00	3.77
8	Inside	21071	5.27	8.88	14.41	6.82	0.02	0.01	14.42	14.13	0.02	14.40	Pm+Pb	100.00	5.95
	Middle	21073	-0.58	1.31	11.76	0.12	0.03	0.02	11.76	1.31	-0.59	12.35	Pm	70.00	4.67
	Outside	21075	-5.26	-4.71	9.93	-5.29	0.04	0.04	9.93	0.31	-10.28	20.21	Pm+Pb	100.00	3.95
9	Inside	20989	-4.14	-3.68	25.57	-3.82	0.01	0.01	25.57	-0.08	-7.73	33.30	Pm+Pb	100.00	2.00
	Middle	20996	0.51	1.04	30.05	0.86	0.05	0.05	30.05	1.67	-0.12	30.17	Pm	70.00	1.32
	Outside	21003	5.14	5.75	34.51	5.51	0.08	0.08	34.51	10.96	-0.08	34.59	Pm+Pb	100.00	1.89
10	Inside	29635	-2.88	-3.31	44.77	-2.77	0.00	0.01	44.77	-0.32	-5.87	50.64	Pm+Pb	100.00	0.97
	Middle	29637	1.33	0.23	49.04	1.04	0.02	0.03	49.04	1.96	-0.40	49.44	Pm	70.00	0.42
	Outside	29639	4.92	3.31	52.98	4.30	0.04	0.04	52.98	8.49	-0.25	53.24	Pm+Pb	100.00	0.88
11	Inside	29804	-2.99	-0.47	50.06	-0.33	0.00	0.00	50.06	-0.42	-3.03	53.09	Pm+Pb	100.00	0.88
	Middle	29803	1.94	-0.30	54.41	0.15	0.00	0.00	54.41	1.95	-0.31	54.72	Pm	70.00	0.28
	Outside	29802	5.34	-0.16	58.29	0.49	0.00	0.01	58.29	5.39	-0.20	58.49	Pm+Pb	100.00	0.71

TABLE 2.10.6-242 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	3.20	3.50	12.91	1.20	3.78	-0.18	14.25	3.98	1.38	12.86	Pm+Pb	99.50	6.73
	Middle	1390	2.81	1.58	3.58	0.28	1.89	0.46	4.85	2.66	0.44	4.41	Pm	69.65	14.79
	Outside	1397	3.15	0.32	-5.16	0.18	0.99	2.83	4.08	0.39	-6.16	10.24	Pm+Pb	99.50	8.71
2	Inside	1417	1.99	-0.22	7.81	0.44	1.95	1.70	8.72	1.54	-0.67	9.38	Pm+Pb	99.50	9.60
	Middle	1419	-1.41	-0.42	0.87	0.56	0.39	1.24	1.59	-0.51	-2.04	3.63	Pm	69.65	18.20
	Outside	1421	-4.64	-0.41	-6.19	0.72	-0.14	0.82	-0.29	-4.37	-6.57	6.28	Pm+Pb	99.50	14.83
3	Inside	1466	-1.39	-1.60	2.35	0.91	0.51	2.05	3.40	-1.34	-2.70	6.10	Pm+Pb	99.50	15.32
	Middle	1465	-1.18	-1.30	-1.13	0.96	0.61	2.63	1.87	-1.66	-3.82	5.69	Pm	69.65	11.25
	Outside	1464	-0.99	-0.92	-4.50	1.03	0.96	3.46	1.83	-1.60	-6.64	8.47	Pm+Pb	99.50	10.75
4	Inside	9981	-0.24	0.98	8.18	0.25	-0.19	2.02	8.64	1.02	-0.75	9.39	Pm+Pb	99.50	9.60
	Middle	9983	-0.42	-2.07	2.33	0.40	-1.53	0.65	2.89	-0.35	-2.69	5.58	Pm	69.65	11.49
	Outside	9985	-0.37	-4.89	-3.51	0.62	-2.69	0.16	-0.26	-1.48	-7.03	6.77	Pm+Pb	99.50	13.71
5	Inside	9947	1.51	1.71	11.90	-0.21	-2.68	2.59	13.12	1.41	0.59	12.54	Pm+Pb	99.50	6.94
	Middle	9954	0.54	0.54	5.45	-0.13	-2.89	1.17	6.99	0.46	-0.91	7.89	Pm	69.65	7.82
	Outside	9961	-0.06	-0.21	-0.77	-0.04	-3.19	0.37	2.74	-0.07	-3.71	6.45	Pm+Pb	99.50	14.43
6	Inside	27109	-0.28	-1.32	9.99	-0.87	-5.05	1.78	12.23	-0.59	-3.26	15.49	Pm+Pb	99.50	5.42
	Middle	27111	-0.26	-3.70	4.36	-0.69	-2.61	0.47	5.21	-0.27	-4.54	9.75	Pm	69.65	6.15
	Outside	27113	-0.11	-5.98	-1.12	-0.75	-0.63	-0.07	-0.01	-1.04	-6.15	6.14	Pm+Pb	99.50	15.21
7	Inside	18594	-5.45	-5.15	3.86	-3.98	-2.43	0.90	4.85	-2.22	-9.37	14.23	Pm+Pb	99.50	5.99
	Middle	18593	-2.52	-2.47	0.55	-0.69	-2.51	1.38	2.45	-2.99	-3.90	6.35	Pm	69.65	9.98
	Outside	18592	-0.36	-0.81	-2.97	1.34	-2.85	2.08	1.16	0.71	-6.01	7.18	Pm+Pb	99.50	12.86
8	Inside	18545	-4.51	-2.05	8.80	-1.87	-1.75	4.14	10.37	-1.99	-6.15	16.52	Pm+Pb	99.50	5.02
	Middle	18547	-4.70	-1.04	1.80	-1.39	-0.33	0.04	1.85	-0.61	-5.17	7.02	Pm	69.65	8.93
	Outside	18549	-4.75	-0.40	-5.32	-1.14	-0.30	-3.47	-0.03	-1.81	-8.64	8.61	Pm+Pb	99.50	10.55
9	Inside	18511	4.22	2.42	16.87	-0.96	-2.30	-0.37	17.23	4.61	1.67	15.56	Pm+Pb	99.50	5.39
	Middle	18518	-3.92	1.78	3.92	0.36	-0.46	0.13	4.01	1.71	-3.95	7.96	Pm	69.65	7.75
	Outside	18525	-11.37	1.76	-8.16	0.71	0.36	2.21	1.82	-7.07	-12.51	14.33	Pm+Pb	99.50	5.94

**TABLE 2.10.6-243 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-6.56	-1.47	-10.75	-0.62	-0.11	0.26	-1.39	-6.62	-10.77	9.37	Pm+Pb	99.50	9.61
	Middle	2755	-0.95	-1.08	-9.83	-0.56	-0.03	0.23	-0.44	-1.58	-9.83	9.39	Pm	69.65	6.42
	Outside	2762	4.85	0.03	-7.92	-0.52	0.01	0.29	4.91	-0.03	-7.92	12.83	Pm+Pb	99.50	6.75
2	Inside	2965	-0.66	-0.04	-8.75	0.14	0.06	0.99	0.00	-0.58	-8.87	8.87	Pm+Pb	99.50	10.22
	Middle	2967	-0.89	-0.22	-9.84	0.14	0.01	1.42	-0.18	-0.71	-10.06	9.87	Pm	69.65	6.05
	Outside	2969	-0.22	0.66	-9.37	0.13	0.08	1.80	0.70	0.09	-9.71	10.41	Pm+Pb	99.50	8.56
3	Inside	3053	-0.46	-0.37	-8.36	0.20	-0.70	1.09	-0.20	-0.42	-8.57	8.37	Pm+Pb	99.50	10.89
	Middle	3052	-0.24	-0.19	-8.81	0.19	-1.23	1.77	0.13	-0.04	-9.33	9.47	Pm	69.65	6.36
	Outside	3051	-0.67	-0.66	-11.24	0.21	-1.81	2.38	-0.07	-0.47	-12.04	11.97	Pm+Pb	99.50	7.31
4	Inside	11529	0.00	0.27	-6.69	0.07	-1.40	0.18	0.54	0.01	-6.96	7.51	Pm+Pb	99.50	12.25
	Middle	11531	-0.25	-0.90	-7.35	0.13	-2.84	0.16	0.18	-0.26	-8.43	8.61	Pm	69.65	7.09
	Outside	11533	0.39	-1.26	-6.74	0.17	-4.20	0.36	1.01	0.40	-9.03	10.04	Pm+Pb	99.50	8.91
5	Inside	11312	-0.85	-0.61	-4.98	0.07	-3.64	-0.22	1.46	-0.86	-7.04	8.50	Pm+Pb	99.50	10.71
	Middle	11319	-0.73	-1.05	-4.80	0.08	-4.24	-0.16	1.73	-0.74	-7.56	9.29	Pm	69.65	6.50
	Outside	11326	0.09	-1.13	-3.57	0.08	-4.85	-0.06	2.65	0.08	-7.35	10.00	Pm+Pb	99.50	8.95
6	Inside	28657	0.10	2.55	-1.46	-0.08	-6.98	-0.38	7.81	0.11	-6.74	14.54	Pm+Pb	99.50	5.84
	Middle	28659	-0.41	-1.16	-1.84	-0.25	-5.22	-0.36	3.73	-0.38	-6.76	10.49	Pm	69.65	5.64
	Outside	28661	-0.07	-3.60	-0.85	-0.31	-3.57	-0.09	1.61	-0.06	-6.07	7.68	Pm+Pb	99.50	11.96
7	Inside	20181	-3.02	-2.28	-3.07	-2.19	-6.85	-6.68	5.68	-0.47	-13.57	19.25	Pm+Pb	99.50	4.17
	Middle	20180	-0.70	-0.03	-1.54	-0.19	-3.20	-2.86	3.32	-0.22	-5.36	8.67	Pm	69.65	7.03
	Outside	20179	0.49	1.08	-2.03	1.19	-0.31	0.21	2.02	-0.36	-2.11	4.13	Pm+Pb	99.50	23.09
8	Inside	20093	-6.34	-0.43	-2.02	-0.91	-0.71	-9.17	5.24	-0.33	-13.70	18.94	Pm+Pb	99.50	4.25
	Middle	20095	-1.72	-0.08	-1.94	-0.59	-0.69	-1.62	0.15	-0.21	-3.68	3.83	Pm	69.65	17.17
	Outside	20097	2.37	0.57	-1.31	-0.16	0.05	5.49	6.32	0.57	-5.26	11.59	Pm+Pb	99.50	7.59
9	Inside	19876	-1.00	-1.25	3.10	0.43	-1.55	-0.62	3.71	-1.04	-1.81	5.52	Pm+Pb	99.50	17.03
	Middle	19883	-2.71	-1.01	-2.17	0.40	-1.62	0.00	0.17	-2.67	-3.39	3.56	Pm	69.65	18.57
	Outside	19890	-4.14	-0.21	-6.45	0.15	-1.45	0.53	0.12	-4.03	-6.88	6.99	Pm+Pb	99.50	13.23

TABLE 2.10.6-244 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-4.13	0.02	-13.82	0.01	0.01	0.05	0.02	-4.13	-13.82	13.84	Pm+Pb	99.50	6.19
	Middle	2944	-0.62	0.01	-13.26	0.01	0.00	0.06	0.02	-0.62	-13.26	13.27	Pm	69.65	4.25
	Outside	2951	2.91	0.01	-12.68	0.01	0.00	0.07	2.91	0.01	-12.68	15.60	Pm+Pb	99.50	5.38
2	Inside	3019	-5.58	-0.30	-14.70	0.32	-0.04	0.73	-0.28	-5.55	-14.76	14.48	Pm+Pb	99.50	5.87
	Middle	3021	-0.26	-0.21	-13.56	0.02	-0.04	0.85	-0.19	-0.23	-13.62	13.43	Pm	69.65	4.19
	Outside	3023	4.16	-0.13	-12.69	-0.21	-0.04	0.97	4.22	-0.14	-12.75	16.97	Pm+Pb	99.50	4.86
3	Inside	3188	-2.17	-1.57	-13.51	1.68	-0.87	0.86	-0.17	-3.43	-13.66	13.49	Pm+Pb	99.50	6.37
	Middle	3187	-0.28	0.17	-12.89	-0.10	-0.91	0.89	0.29	-0.27	-13.02	13.30	Pm	69.65	4.24
	Outside	3186	1.05	1.39	-12.59	-1.34	-0.96	0.94	2.69	-0.12	-12.70	15.39	Pm+Pb	99.50	5.46
4	Inside	11583	-0.01	0.92	-10.10	0.21	-1.52	0.07	1.16	-0.05	-10.30	11.46	Pm+Pb	99.50	7.68
	Middle	11585	0.01	0.21	-10.56	0.22	-1.56	0.07	0.52	-0.08	-10.78	11.31	Pm	69.65	5.16
	Outside	11587	0.01	-0.48	-11.03	0.23	-1.62	0.07	0.14	-0.36	-11.27	11.40	Pm+Pb	99.50	7.72
5	Inside	11501	0.00	8.12	-2.15	0.22	-1.83	0.00	8.44	0.00	-2.47	10.91	Pm+Pb	99.50	8.12
	Middle	11508	0.00	0.82	-4.98	0.22	-1.76	0.00	1.34	-0.03	-5.48	6.82	Pm	69.65	9.21
	Outside	11515	0.00	-6.48	-7.82	0.22	-1.68	0.00	0.01	-5.35	-8.96	8.97	Pm+Pb	99.50	10.09
6	Inside	28711	0.49	16.61	5.73	1.09	-1.54	-0.05	16.90	5.51	0.41	16.49	Pm+Pb	99.50	5.03
	Middle	28713	0.37	0.80	0.45	0.16	-1.33	-0.04	1.98	0.36	-0.72	2.71	Pm	69.65	24.74
	Outside	28715	0.27	-12.31	-4.02	-0.57	-1.15	-0.04	0.30	-3.87	-12.49	12.79	Pm+Pb	99.50	6.78
7	Inside	20316	5.08	6.94	6.64	5.48	-0.71	-0.67	11.75	6.45	0.46	11.30	Pm+Pb	99.50	7.81
	Middle	20315	-0.29	1.15	3.75	0.01	-0.67	-0.63	4.00	1.00	-0.39	4.39	Pm	69.65	14.86
	Outside	20314	-4.04	-2.94	1.85	-3.83	-0.65	-0.61	1.94	0.37	-7.44	9.39	Pm+Pb	99.50	9.60
8	Inside	20147	-4.99	-0.31	2.42	0.83	-0.02	-0.39	2.44	-0.17	-5.15	7.59	Pm+Pb	99.50	12.11
	Middle	20149	0.64	-0.22	5.34	1.01	-0.03	-0.63	5.43	1.23	-0.90	6.33	Pm	69.65	10.00
	Outside	20151	5.76	-0.07	8.12	1.14	-0.03	-0.87	8.43	5.67	-0.29	8.72	Pm+Pb	99.50	10.41
9	Inside	20065	-21.02	-0.25	-3.19	0.14	0.07	-0.03	-0.25	-3.19	-21.02	20.77	Pm+Pb	99.50	3.79
	Middle	20072	0.80	-0.19	4.99	0.14	0.06	-0.06	4.99	0.82	-0.21	5.20	Pm	69.65	12.39
	Outside	20079	22.59	-0.14	13.14	0.13	0.05	-0.09	22.60	13.14	-0.14	22.73	Pm+Pb	99.50	3.38

TABLE 2.10.6-245 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-4.41	0.05	-14.52	0.02	0.00	0.02	0.05	-4.41	-14.52	14.57	Pm+Pb	99.50	5.83
	Middle	3406	-0.59	0.03	-13.93	0.01	0.00	0.02	0.03	-0.59	-13.93	13.96	Pm	69.65	3.99
	Outside	3413	3.25	0.01	-13.32	0.01	0.00	0.03	3.25	0.01	-13.32	16.57	Pm+Pb	99.50	5.01
2	Inside	3481	-5.54	-0.36	-15.28	0.28	-0.03	0.37	-0.34	-5.54	-15.29	14.95	Pm+Pb	99.50	5.66
	Middle	3483	-0.23	-0.24	-14.24	-0.01	-0.03	0.33	-0.21	-0.25	-14.24	14.03	Pm	69.65	3.96
	Outside	3485	4.19	-0.14	-13.47	-0.24	-0.03	0.29	4.20	-0.15	-13.48	17.68	Pm+Pb	99.50	4.63
3	Inside	3650	-1.83	-1.19	-13.72	1.35	-0.50	0.47	-0.12	-2.85	-13.76	13.64	Pm+Pb	99.50	6.30
	Middle	3649	-0.27	0.22	-13.33	-0.10	-0.33	0.31	0.25	-0.28	-13.35	13.60	Pm	69.65	4.12
	Outside	3648	0.83	1.20	-13.21	-1.11	-0.20	0.18	2.14	-0.11	-13.21	15.35	Pm+Pb	99.50	5.48
4	Inside	12045	0.00	1.53	-10.11	0.15	-0.84	0.03	1.60	-0.01	-10.17	11.77	Pm+Pb	99.50	7.45
	Middle	12047	0.02	0.25	-10.61	0.19	-0.52	0.02	0.38	-0.08	-10.64	11.01	Pm	69.65	5.32
	Outside	12049	0.02	-0.91	-11.09	0.23	-0.23	0.02	0.08	-0.96	-11.09	11.17	Pm+Pb	99.50	7.91
5	Inside	11963	0.00	7.78	-2.10	0.19	-0.73	0.02	7.84	0.00	-2.15	9.99	Pm+Pb	99.50	8.96
	Middle	11970	0.00	0.80	-4.44	0.19	-0.51	0.02	0.89	-0.04	-4.49	5.38	Pm	69.65	11.96
	Outside	11977	0.00	-6.17	-6.77	0.19	-0.29	0.02	0.00	-6.06	-6.89	6.90	Pm+Pb	99.50	13.42
6	Inside	29173	0.43	14.64	6.13	0.93	0.01	0.03	14.70	6.13	0.37	14.33	Pm+Pb	99.50	5.95
	Middle	29175	0.33	0.70	1.75	0.12	-0.33	0.03	1.84	0.65	0.28	1.56	Pm	69.65	43.67
	Outside	29177	0.23	-10.87	-1.92	-0.52	-0.64	0.02	0.26	-1.87	-10.94	11.20	Pm+Pb	99.50	7.88
7	Inside	20778	4.20	5.87	7.17	4.58	0.39	0.43	9.81	7.05	0.37	9.44	Pm+Pb	99.50	9.54
	Middle	20777	-0.29	1.00	4.86	0.00	-0.17	-0.13	4.88	0.99	-0.29	5.17	Pm	69.65	12.48
	Outside	20776	-3.42	-2.44	3.40	-3.22	-0.65	-0.61	3.48	0.32	-6.26	9.74	Pm+Pb	99.50	9.21
8	Inside	20609	-4.89	-0.28	3.59	0.67	0.03	0.76	3.66	-0.19	-5.05	8.71	Pm+Pb	99.50	10.42
	Middle	20611	0.47	-0.20	6.11	0.85	0.01	-0.13	6.11	1.05	-0.78	6.89	Pm	69.65	9.12
	Outside	20613	5.32	-0.07	8.48	0.99	-0.01	-0.96	8.76	5.22	-0.25	9.01	Pm+Pb	99.50	10.05
9	Inside	20527	-18.62	-0.21	-0.87	0.12	0.08	0.05	-0.20	-0.88	-18.62	18.42	Pm+Pb	99.50	4.40
	Middle	20534	0.50	-0.16	5.89	0.12	0.07	-0.01	5.89	0.52	-0.18	6.07	Pm	69.65	10.48
	Outside	20541	19.61	-0.11	12.64	0.11	0.07	-0.08	19.61	12.64	-0.11	19.72	Pm+Pb	99.50	4.04

TABLE 2.10.6-246 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-3.79	-0.11	-13.20	-0.04	-0.01	-0.03	-0.11	-3.79	-13.20	13.09	Pm+Pb	99.50	6.60
	Middle	3868	-0.32	-0.07	-12.70	-0.02	-0.01	-0.04	-0.07	-0.32	-12.70	12.64	Pm	69.65	4.51
	Outside	3875	3.12	-0.03	-12.22	-0.02	-0.01	-0.05	3.12	-0.03	-12.22	15.34	Pm+Pb	99.50	5.49
2	Inside	3943	-3.64	-0.30	-13.38	0.13	0.01	-0.28	-0.29	-3.64	-13.39	13.10	Pm+Pb	99.50	6.60
	Middle	3945	-0.10	-0.20	-12.86	-0.06	0.01	-0.53	-0.05	-0.22	-12.88	12.83	Pm	69.65	4.43
	Outside	3947	2.86	-0.11	-12.52	-0.21	0.02	-0.76	2.91	-0.12	-12.56	15.47	Pm+Pb	99.50	5.43
3	Inside	4112	-0.83	-0.35	-11.76	0.53	0.31	-0.33	-0.01	-1.15	-11.78	11.77	Pm+Pb	99.50	7.46
	Middle	4111	-0.17	0.19	-11.83	-0.05	0.57	-0.58	0.23	-0.16	-11.88	12.11	Pm	69.65	4.75
	Outside	4110	0.29	0.56	-12.01	-0.46	0.80	-0.81	1.00	-0.05	-12.11	13.11	Pm+Pb	99.50	6.59
4	Inside	12507	0.02	1.70	-8.73	0.04	0.58	-0.05	1.73	0.02	-8.76	10.49	Pm+Pb	99.50	8.48
	Middle	12509	0.03	0.17	-9.20	0.11	1.03	-0.05	0.32	-0.01	-9.31	9.63	Pm	69.65	6.23
	Outside	12511	0.03	-1.16	-9.61	0.16	1.46	-0.06	0.06	-0.94	-9.86	9.92	Pm+Pb	99.50	9.03
5	Inside	12425	0.00	5.07	-2.11	0.10	1.00	0.02	5.21	0.00	-2.25	7.45	Pm+Pb	99.50	12.35
	Middle	12432	0.00	0.49	-3.51	0.10	1.22	0.02	0.85	-0.01	-3.85	4.70	Pm	69.65	13.82
	Outside	12439	0.00	-4.08	-4.90	0.10	1.45	0.03	0.00	-2.99	-6.00	6.00	Pm+Pb	99.50	15.59
6	Inside	29635	0.26	8.68	4.67	0.54	1.69	0.11	9.33	4.05	0.23	9.10	Pm+Pb	99.50	9.93
	Middle	29637	0.19	0.40	2.15	0.06	1.03	0.10	2.63	0.19	-0.07	2.70	Pm	69.65	24.78
	Outside	29639	0.13	-6.47	0.06	-0.32	0.44	0.08	0.19	0.05	-6.52	6.71	Pm+Pb	99.50	13.84
7	Inside	21240	2.37	3.38	5.92	2.62	1.40	1.43	7.73	3.74	0.20	7.53	Pm+Pb	99.50	12.21
	Middle	21239	-0.18	0.59	4.74	0.00	0.54	0.57	4.87	0.53	-0.25	5.12	Pm	69.65	12.61
	Outside	21238	-1.96	-1.38	4.05	-1.83	-0.20	-0.17	4.06	0.19	-3.53	7.59	Pm+Pb	99.50	12.12
8	Inside	21071	-3.13	-0.17	4.03	0.38	0.08	1.69	4.41	-0.14	-3.55	7.96	Pm+Pb	99.50	11.49
	Middle	21073	0.29	-0.12	5.68	0.50	0.05	0.52	5.74	0.58	-0.47	6.21	Pm	69.65	10.22
	Outside	21075	3.36	-0.05	7.24	0.60	0.03	-0.55	7.32	3.39	-0.15	7.47	Pm+Pb	99.50	12.31
9	Inside	20989	-11.27	-0.12	1.43	0.07	0.08	0.11	1.43	-0.13	-11.27	12.70	Pm+Pb	99.50	6.83
	Middle	20996	0.30	-0.09	5.53	0.07	0.08	0.04	5.53	0.31	-0.11	5.64	Pm	69.65	11.35
	Outside	21003	11.85	-0.07	9.63	0.07	0.07	-0.04	11.85	9.63	-0.07	11.92	Pm+Pb	99.50	7.35

**TABLE 2.10.6-247 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION A**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	-1.84	-0.44	0.16	-0.26	1.95	0.04	1.83	-1.72	-2.24	4.07	Pm+Pb	99.50	23.42
	Middle	10029	-3.00	-0.14	-3.58	-0.01	2.40	-0.03	1.09	-3.00	-4.81	5.91	Pm	69.65	10.79
	Outside	10028	-3.96	0.07	-7.53	0.12	3.25	-1.70	1.31	-3.50	-9.24	10.55	Pm+Pb	99.50	8.43
4	Inside	9981	0.71	1.54	6.43	-1.24	2.19	0.78	7.28	2.14	-0.74	8.02	Pm+Pb	99.50	11.41
	Middle	9983	-1.92	-0.80	-0.46	0.94	-0.02	0.82	0.13	-0.61	-2.70	2.83	Pm	69.65	23.65
	Outside	9985	-4.42	-2.77	-7.62	3.11	-1.44	1.58	-0.38	-5.05	-9.39	9.01	Pm+Pb	99.50	10.04
5	Inside	1383	2.72	2.24	11.47	-0.80	0.88	2.92	12.40	3.06	0.98	11.42	Pm+Pb	99.50	7.71
	Middle	1390	1.60	1.21	3.87	-0.77	-0.43	2.10	5.27	1.27	0.14	5.13	Pm	69.65	12.58
	Outside	1397	0.88	0.59	-3.55	-0.75	-1.27	1.80	2.32	-0.03	-4.38	6.70	Pm+Pb	99.50	13.84
6	Inside	1417	-1.39	-2.40	7.96	-0.96	-1.62	4.19	9.84	-2.49	-3.19	13.03	Pm+Pb	99.50	6.64
	Middle	1419	-0.91	-1.72	3.27	-0.50	-1.95	2.52	5.03	-1.82	-2.57	7.61	Pm	69.65	8.16
	Outside	1421	-0.62	-1.40	-1.58	0.30	-1.87	1.69	1.10	-0.70	-4.01	5.11	Pm+Pb	99.50	18.48
7	Inside	1466	-0.60	-4.03	4.87	-0.21	-2.46	2.00	6.10	-1.16	-4.69	10.79	Pm+Pb	99.50	8.22
	Middle	1465	-0.36	-1.36	1.21	-0.06	-2.08	2.40	3.58	-0.94	-3.15	6.73	Pm	69.65	9.35
	Outside	1464	0.08	0.95	-2.08	0.16	-1.81	3.17	2.89	0.86	-4.79	7.67	Pm+Pb	99.50	11.97
8	Inside	18545	-1.76	-3.26	10.15	-0.17	-1.34	2.05	10.62	-2.10	-3.39	14.01	Pm+Pb	99.50	6.10
	Middle	18547	-1.06	-2.34	3.87	-0.25	-1.25	-0.18	4.11	-1.01	-2.63	6.74	Pm	69.65	9.33
	Outside	18549	-0.54	-1.69	-2.45	-0.52	-1.92	-1.42	0.40	-0.54	-4.55	4.95	Pm+Pb	99.50	19.10
9	Inside	18511	3.11	2.25	16.85	0.51	-1.59	2.16	17.33	3.25	1.62	15.71	Pm+Pb	99.50	5.34
	Middle	18518	0.09	-0.56	5.63	-1.52	-1.19	0.03	5.87	1.20	-1.91	7.78	Pm	69.65	7.96
	Outside	18525	-2.28	-2.89	-4.91	-3.51	-1.49	-1.49	0.94	-3.32	-7.70	8.64	Pm+Pb	99.50	10.51
10	Inside	27109	-2.93	0.42	10.26	-1.36	-5.12	-2.66	12.68	-0.08	-4.85	17.52	Pm+Pb	99.50	4.68
	Middle	27111	-4.65	-1.95	1.86	-3.54	-0.81	-0.34	2.07	0.35	-7.15	9.22	Pm	69.65	6.56
	Outside	27113	-6.26	-3.56	-6.29	-5.04	2.12	2.30	0.32	-4.57	-11.87	12.19	Pm+Pb	99.50	7.16
11	Inside	27158	-11.89	-1.93	3.09	-1.21	-2.76	-0.55	4.31	-2.96	-12.09	16.39	Pm+Pb	99.50	5.07
	Middle	27157	-5.94	-3.04	-1.48	-0.89	-3.02	-0.16	0.88	-4.82	-6.53	7.41	Pm	69.65	8.40
	Outside	27156	-3.10	-3.77	-6.73	-0.67	-3.69	-1.43	-1.24	-2.77	-9.61	8.37	Pm+Pb	99.50	10.89

TABLE 2.10.6-248 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	-0.05	-0.17	-10.99	0.05	0.26	0.09	-0.03	-0.18	-11.00	10.96	Pm+Pb	99.50	8.07
	Middle	11616	-0.61	0.01	-11.94	0.15	0.37	-0.06	0.05	-0.64	-11.95	12.01	Pm	69.65	4.80
	Outside	11615	-1.64	-0.42	-14.79	0.21	0.39	-0.19	-0.38	-1.67	-14.80	14.42	Pm+Pb	99.50	5.90
4	Inside	11529	0.32	0.53	-9.85	-0.39	-0.09	0.29	0.84	0.03	-9.86	10.69	Pm+Pb	99.50	8.30
	Middle	11531	-0.83	-0.44	-11.48	0.36	-0.35	0.47	-0.22	-1.02	-11.52	11.29	Pm	69.65	5.17
	Outside	11533	-0.91	-0.40	-11.57	1.10	-0.43	0.81	0.48	-1.70	-11.65	12.13	Pm+Pb	99.50	7.20
5	Inside	2748	-2.19	-2.24	-8.26	1.29	-0.43	0.46	-0.92	-3.43	-8.34	7.42	Pm+Pb	99.50	12.42
	Middle	2755	-0.76	-0.81	-8.27	0.04	-1.05	1.13	-0.52	-0.75	-8.57	8.05	Pm	69.65	7.65
	Outside	2762	1.19	1.14	-7.21	-1.01	-1.64	1.80	2.77	0.15	-7.80	10.57	Pm+Pb	99.50	8.41
6	Inside	2965	0.00	-0.02	-4.51	-0.13	-2.49	2.17	1.84	-0.13	-6.23	8.07	Pm+Pb	99.50	11.32
	Middle	2967	-0.44	-0.53	-5.16	0.17	-2.61	2.28	1.22	-0.31	-7.04	8.27	Pm	69.65	7.42
	Outside	2969	-0.01	-0.17	-4.49	0.50	-2.68	2.46	1.59	0.41	-6.67	8.26	Pm+Pb	99.50	11.05
7	Inside	3053	-0.21	-0.49	-3.82	-0.13	-5.30	0.09	3.41	-0.22	-7.71	11.13	Pm+Pb	99.50	7.94
	Middle	3052	-0.03	-0.13	-3.77	-0.14	-3.92	0.19	2.40	-0.04	-6.27	8.67	Pm	69.65	7.04
	Outside	3051	-0.47	-0.41	-5.69	-0.14	-2.96	0.22	0.95	-0.50	-7.02	7.97	Pm+Pb	99.50	11.49
8	Inside	20093	-1.40	-2.23	-3.35	-1.65	-4.61	-4.21	2.83	-0.14	-9.67	12.50	Pm+Pb	99.50	6.96
	Middle	20095	-0.33	-0.81	-3.12	-0.44	-3.01	-2.56	2.01	-0.10	-6.17	8.18	Pm	69.65	7.52
	Outside	20097	1.23	1.10	-1.83	0.48	-1.32	-1.16	2.38	0.70	-2.57	4.95	Pm+Pb	99.50	19.11
9	Inside	19876	-0.82	-1.44	0.05	-0.12	-4.43	-3.67	5.18	-0.96	-6.43	11.61	Pm+Pb	99.50	7.57
	Middle	19883	-1.27	-1.86	-2.40	-0.73	-3.20	-2.41	1.64	-0.78	-6.38	8.02	Pm	69.65	7.69
	Outside	19890	-1.25	-1.77	-3.81	-1.50	-1.89	-1.16	0.05	-1.23	-5.65	5.71	Pm+Pb	99.50	16.43
10	Inside	28657	-1.88	-0.48	-1.54	-1.01	-0.95	-0.49	0.29	-1.21	-2.98	3.28	Pm+Pb	99.50	29.38
	Middle	28659	-1.96	-0.67	-1.52	-1.01	-2.64	-2.22	1.74	-0.50	-5.40	7.14	Pm	69.65	8.76
	Outside	28661	-1.59	-0.77	-0.73	-1.09	-4.02	-4.01	4.25	-0.09	-7.25	11.50	Pm+Pb	99.50	7.65
11	Inside	28745	-7.97	-0.60	-4.06	-0.85	-0.38	-0.16	-0.46	-4.09	-8.07	7.61	Pm+Pb	99.50	12.08
	Middle	28744	-1.23	-0.23	-1.74	-0.20	-0.50	-0.68	-0.08	-0.78	-2.35	2.27	Pm	69.65	29.73
	Outside	28743	3.10	-0.25	-1.38	0.41	-0.74	-0.92	3.37	-0.06	-1.83	5.20	Pm+Pb	99.50	18.12

TABLE 2.10.6-249 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	-2.86	-0.17	-14.91	0.26	0.03	0.01	-0.14	-2.88	-14.91	14.77	Pm+Pb	99.50	5.74
	Middle	11751	0.13	-0.12	-14.42	-0.03	0.03	0.04	0.13	-0.13	-14.42	14.55	Pm	69.65	3.79
	Outside	11750	2.22	-0.09	-14.20	-0.23	0.03	0.07	2.25	-0.11	-14.20	16.44	Pm+Pb	99.50	5.05
4	Inside	11583	-1.53	-1.18	-14.12	1.21	0.04	0.01	-0.14	-2.57	-14.12	13.98	Pm+Pb	99.50	6.12
	Middle	11585	-0.06	-0.01	-13.65	-0.07	-0.19	0.24	0.05	-0.10	-13.66	13.70	Pm	69.65	4.08
	Outside	11587	1.16	0.97	-13.31	-1.12	-0.41	0.47	2.21	-0.06	-13.34	15.55	Pm+Pb	99.50	5.40
5	Inside	2937	-1.05	-0.87	-10.93	0.62	-0.30	0.30	-0.34	-1.57	-10.95	10.61	Pm+Pb	99.50	8.38
	Middle	2944	-0.19	0.00	-10.91	-0.13	-0.61	0.60	0.13	-0.25	-10.98	11.10	Pm	69.65	5.27
	Outside	2951	0.64	0.83	-10.92	-0.85	-0.92	0.90	1.72	-0.12	-11.05	12.77	Pm+Pb	99.50	6.79
6	Inside	3019	2.02	3.26	-6.35	-2.82	-0.95	0.83	5.66	-0.25	-6.48	12.14	Pm+Pb	99.50	7.20
	Middle	3021	-0.27	0.27	-8.57	-0.09	-1.00	0.88	0.43	-0.23	-8.77	9.21	Pm	69.65	6.57
	Outside	3023	-2.15	-2.17	-10.52	2.17	-1.06	0.94	0.01	-4.03	-10.82	10.83	Pm+Pb	99.50	8.19
7	Inside	3188	0.48	8.85	-3.42	-0.07	-1.68	-0.01	9.07	0.48	-3.64	12.72	Pm+Pb	99.50	6.82
	Middle	3187	0.38	0.05	-6.33	-0.06	-1.51	-0.01	0.44	0.33	-6.67	7.11	Pm	69.65	8.79
	Outside	3186	0.29	-6.06	-8.44	-0.05	-1.39	-0.01	0.29	-5.42	-9.08	9.37	Pm+Pb	99.50	9.62
8	Inside	20147	0.97	2.09	-2.96	1.52	-1.35	-1.25	3.65	-0.08	-3.47	7.13	Pm+Pb	99.50	12.96
	Middle	20149	-0.20	0.54	-3.42	0.15	-1.20	-1.11	1.06	-0.11	-4.03	5.09	Pm	69.65	12.68
	Outside	20151	-1.10	-0.65	-3.69	-0.94	-1.08	-0.99	0.11	-1.06	-4.48	4.59	Pm+Pb	99.50	20.67
9	Inside	20065	-2.00	-2.01	-0.27	-1.96	-1.30	-1.33	0.50	-0.05	-4.73	5.24	Pm+Pb	99.50	17.99
	Middle	20072	0.39	0.42	1.69	0.45	-0.99	-1.01	2.75	-0.04	-0.20	2.95	Pm	69.65	22.60
	Outside	20079	2.77	2.84	3.63	2.84	-0.68	-0.70	6.04	3.24	-0.04	6.08	Pm+Pb	99.50	15.36
10	Inside	28711	1.06	0.10	6.63	0.63	-0.71	-0.74	6.82	1.20	-0.23	7.04	Pm+Pb	99.50	13.12
	Middle	28713	0.81	0.03	7.16	0.46	-0.41	-0.42	7.22	0.97	-0.18	7.40	Pm	69.65	8.41
	Outside	28715	0.68	0.05	7.74	0.37	-0.14	-0.13	7.74	0.85	-0.12	7.86	Pm+Pb	99.50	11.65
11	Inside	28880	4.11	0.08	8.87	0.33	-0.04	-0.13	8.88	4.13	0.06	8.82	Pm+Pb	99.50	10.28
	Middle	28879	0.77	0.09	8.78	0.01	-0.05	-0.07	8.78	0.77	0.09	8.69	Pm	69.65	7.01
	Outside	28878	-1.60	0.09	8.96	-0.21	-0.05	-0.02	8.96	0.12	-1.62	10.58	Pm+Pb	99.50	8.40

TABLE 2.10.6-250 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-4.52	-0.26	-15.83	0.41	0.01	0.00	-0.22	-4.56	-15.83	15.61	Pm+Pb	99.50	5.37
	Middle	12213	0.18	-0.20	-14.84	-0.05	0.01	0.02	0.18	-0.20	-14.84	15.03	Pm	69.65	3.64
	Outside	12212	3.46	-0.15	-14.28	-0.37	0.01	0.04	3.50	-0.18	-14.28	17.78	Pm+Pb	99.50	4.59
4	Inside	12045	-2.17	-1.58	-14.79	1.72	0.02	0.00	-0.13	-3.62	-14.79	14.66	Pm+Pb	99.50	5.79
	Middle	12047	-0.11	0.04	-14.03	-0.07	-0.10	0.12	0.07	-0.14	-14.03	14.10	Pm	69.65	3.94
	Outside	12049	1.57	1.38	-13.46	-1.54	-0.21	0.23	3.03	-0.07	-13.47	16.50	Pm+Pb	99.50	5.03
5	Inside	3399	-0.60	-0.43	-10.88	0.42	-0.16	0.13	-0.09	-0.93	-10.88	10.79	Pm+Pb	99.50	8.22
	Middle	3406	-0.12	0.06	-11.11	-0.04	-0.28	0.26	0.07	-0.13	-11.12	11.20	Pm	69.65	5.22
	Outside	3413	0.35	0.53	-11.34	-0.48	-0.40	0.38	0.95	-0.05	-11.37	12.32	Pm+Pb	99.50	7.08
6	Inside	3481	2.19	3.43	-6.25	-2.93	-0.35	0.31	5.83	-0.18	-6.27	12.09	Pm+Pb	99.50	7.23
	Middle	3483	-0.25	0.25	-8.58	-0.05	-0.36	0.33	0.27	-0.25	-8.61	8.88	Pm	69.65	6.84
	Outside	3485	-2.27	-2.35	-10.62	2.34	-0.38	0.35	0.02	-4.60	-10.66	10.68	Pm+Pb	99.50	8.31
7	Inside	3650	0.49	8.95	-3.23	-0.06	-0.49	0.01	8.97	0.49	-3.25	12.22	Pm+Pb	99.50	7.15
	Middle	3649	0.38	-0.02	-6.20	-0.05	-0.50	0.00	0.39	0.01	-6.24	6.63	Pm	69.65	9.51
	Outside	3648	0.29	-6.27	-8.35	-0.04	-0.51	0.00	0.29	-6.15	-8.47	8.76	Pm+Pb	99.50	10.36
8	Inside	20609	1.31	2.45	-2.35	1.84	-0.34	-0.31	3.84	-0.04	-2.39	6.22	Pm+Pb	99.50	14.99
	Middle	20611	-0.19	0.48	-3.06	0.10	-0.36	-0.32	0.54	-0.18	-3.12	3.66	Pm	69.65	18.02
	Outside	20613	-1.38	-1.06	-3.53	-1.30	-0.38	-0.34	0.09	-2.31	-3.74	3.83	Pm+Pb	99.50	24.98
9	Inside	20527	-1.72	-1.66	0.90	-1.65	-0.40	-0.43	0.98	-0.04	-3.42	4.40	Pm+Pb	99.50	21.62
	Middle	20534	0.28	0.38	2.60	0.36	-0.25	-0.27	2.67	0.63	-0.04	2.71	Pm	69.65	24.71
	Outside	20541	2.28	2.41	4.30	2.37	-0.09	-0.11	4.76	4.26	-0.03	4.79	Pm+Pb	99.50	19.78
10	Inside	29173	0.14	-0.44	7.62	-0.08	-0.29	-0.30	7.64	0.14	-0.47	8.11	Pm+Pb	99.50	11.27
	Middle	29175	0.64	0.05	8.56	0.40	-0.10	-0.10	8.56	0.84	-0.15	8.71	Pm	69.65	6.99
	Outside	29177	1.10	0.52	9.48	0.84	0.08	0.09	9.48	1.70	-0.08	9.56	Pm+Pb	99.50	9.41
11	Inside	29342	1.79	-0.02	9.66	0.13	-0.02	-0.05	9.66	1.80	-0.03	9.70	Pm+Pb	99.50	9.26
	Middle	29341	0.70	0.00	10.28	0.03	-0.02	-0.01	10.28	0.70	0.00	10.28	Pm	69.65	5.77
	Outside	29340	-0.07	0.03	10.99	-0.04	-0.03	0.01	10.99	0.04	-0.09	11.08	Pm+Pb	99.50	7.98

TABLE 2.10.6-251 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT DROP AT 78 DEGREES (T= 200°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-4.75	-0.27	-14.96	0.43	-0.01	-0.01	-0.23	-4.79	-14.96	14.73	Pm+Pb	99.50	5.75
	Middle	12675	0.17	-0.21	-13.93	-0.05	-0.01	-0.02	0.18	-0.21	-13.93	14.11	Pm	69.65	3.94
	Outside	12674	3.62	-0.15	-13.34	-0.39	-0.01	-0.03	3.66	-0.19	-13.34	17.00	Pm+Pb	99.50	4.85
4	Inside	12507	-2.16	-1.54	-13.81	1.73	0.03	-0.06	-0.10	-3.60	-13.81	13.72	Pm+Pb	99.50	6.25
	Middle	12509	-0.12	0.07	-13.06	-0.06	0.12	-0.14	0.09	-0.14	-13.06	13.14	Pm	69.65	4.30
	Outside	12511	1.55	1.39	-12.50	-1.53	0.20	-0.22	3.01	-0.06	-12.50	15.51	Pm+Pb	99.50	5.41
5	Inside	3861	-0.22	-0.08	-9.61	0.20	0.21	-0.21	0.06	-0.36	-9.62	9.68	Pm+Pb	99.50	9.27
	Middle	3868	-0.07	0.08	-9.92	0.02	0.38	-0.38	0.09	-0.05	-9.95	10.05	Pm	69.65	5.93
	Outside	3875	0.09	0.25	-10.23	-0.17	0.55	-0.54	0.41	-0.01	-10.29	10.70	Pm+Pb	99.50	8.30
6	Inside	3943	1.85	2.81	-5.16	-2.37	0.66	-0.57	4.82	-0.09	-5.24	10.06	Pm+Pb	99.50	8.89
	Middle	3945	-0.18	0.18	-7.06	-0.01	0.68	-0.59	0.25	-0.14	-7.18	7.43	Pm	69.65	8.38
	Outside	3947	-1.86	-1.97	-8.72	1.95	0.71	-0.62	0.03	-3.69	-8.90	8.93	Pm+Pb	99.50	10.15
7	Inside	4112	0.39	7.08	-2.42	-0.03	1.36	0.03	7.27	0.39	-2.62	9.89	Pm+Pb	99.50	9.06
	Middle	4111	0.30	-0.08	-4.73	-0.03	1.06	0.03	0.31	0.15	-4.96	5.27	Pm	69.65	12.21
	Outside	4110	0.23	-5.08	-6.39	-0.03	0.83	0.02	0.23	-4.68	-6.79	7.02	Pm+Pb	99.50	13.17
8	Inside	21071	1.32	2.24	-1.30	1.72	1.12	1.04	3.99	0.01	-1.74	5.74	Pm+Pb	99.50	16.34
	Middle	21073	-0.15	0.33	-1.96	0.03	0.85	0.78	0.72	-0.03	-2.47	3.19	Pm	69.65	20.86
	Outside	21075	-1.32	-1.18	-2.41	-1.33	0.60	0.54	0.08	-1.69	-3.31	3.39	Pm+Pb	99.50	28.37
9	Inside	20989	-1.06	-0.95	1.67	-0.98	0.84	0.81	2.01	-0.02	-2.33	4.34	Pm+Pb	99.50	21.92
	Middle	20996	0.13	0.27	2.83	0.22	0.73	0.71	3.20	0.08	-0.05	3.26	Pm	69.65	20.40
	Outside	21003	1.32	1.47	3.98	1.42	0.63	0.61	4.45	2.35	-0.02	4.47	Pm+Pb	99.50	21.28
10	Inside	29635	-0.71	-0.83	6.71	-0.68	0.28	0.29	6.73	-0.08	-1.47	8.20	Pm+Pb	99.50	11.13
	Middle	29637	0.34	0.06	7.80	0.27	0.30	0.32	7.82	0.48	-0.10	7.93	Pm	69.65	7.79
	Outside	29639	1.24	0.83	8.80	1.08	0.33	0.35	8.84	2.10	-0.06	8.90	Pm+Pb	99.50	10.18
11	Inside	29804	-0.69	-0.11	8.10	-0.08	0.01	0.06	8.10	-0.10	-0.71	8.81	Pm+Pb	99.50	10.30
	Middle	29803	0.49	-0.07	9.20	0.04	0.01	0.06	9.20	0.50	-0.08	9.28	Pm	69.65	6.51
	Outside	29802	1.32	-0.04	10.19	0.12	0.01	0.06	10.19	1.33	-0.05	10.24	Pm+Pb	99.50	8.72

TABLE 2.10.6-252 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SLAPDOWN AT DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	0.09	4.25	7.38	1.24	2.94	-0.27	9.17	2.98	-0.42	9.59	Pm+Pb	100.00	9.43
	Middle	1390	4.47	1.98	3.84	0.26	2.01	0.58	5.51	4.10	0.69	4.81	Pm	70.00	13.54
	Outside	1397	9.57	0.40	1.02	0.10	1.77	1.29	9.78	2.35	-1.14	10.92	Pm+Pb	100.00	8.16
2	Inside	1417	3.70	0.10	4.83	-0.44	0.37	-1.00	5.47	3.13	0.03	5.44	Pm+Pb	100.00	17.39
	Middle	1419	1.20	-0.15	2.58	-0.11	-0.09	1.17	3.25	0.54	-0.16	3.41	Pm	70.00	19.51
	Outside	1421	-1.27	-0.23	0.06	0.12	-0.35	2.92	2.40	-0.22	-3.62	6.02	Pm+Pb	100.00	15.60
3	Inside	1466	2.24	1.78	3.89	-1.81	-1.87	1.48	6.22	1.58	0.11	6.11	Pm+Pb	100.00	15.35
	Middle	1465	0.45	0.18	3.40	0.24	-2.39	2.01	5.27	0.57	-1.81	7.08	Pm	70.00	8.89
	Outside	1464	-1.01	-0.85	2.99	1.64	-2.86	2.58	4.97	0.70	-4.53	9.50	Pm+Pb	100.00	9.52
4	Inside	9981	0.06	1.49	5.63	-0.85	-5.09	0.53	9.15	0.06	-2.02	11.18	Pm+Pb	100.00	7.95
	Middle	9983	-0.15	-0.22	5.76	-0.46	-4.85	0.47	8.51	-0.19	-2.93	11.45	Pm	70.00	5.11
	Outside	9985	-0.15	-1.82	5.88	-0.10	-4.72	0.31	8.13	-0.17	-4.06	12.19	Pm+Pb	100.00	7.21
5	Inside	9947	-0.06	-3.14	5.18	-0.45	-5.82	0.34	8.21	-0.08	-6.15	14.36	Pm+Pb	100.00	5.96
	Middle	9954	-0.26	-0.45	7.92	-0.28	-6.29	0.46	11.32	-0.29	-3.81	15.13	Pm	70.00	3.63
	Outside	9961	-0.44	2.26	10.58	-0.09	-6.93	0.40	14.51	-0.44	-1.68	16.19	Pm+Pb	100.00	5.18
6	Inside	27109	-0.04	-3.50	9.56	-0.49	-6.29	0.01	12.10	-0.01	-6.07	18.17	Pm+Pb	100.00	4.50
	Middle	27111	0.20	-3.77	10.17	-0.19	-4.15	0.07	11.31	0.20	-4.91	16.22	Pm	70.00	3.32
	Outside	27113	0.42	-4.18	11.06	-0.18	-2.50	-0.20	11.47	0.42	-4.59	16.06	Pm+Pb	100.00	5.23
7	Inside	18594	-6.59	-5.94	7.18	-4.87	-2.29	-1.02	7.58	-1.49	-11.43	19.01	Pm+Pb	100.00	4.26
	Middle	18593	-2.46	-2.37	7.05	0.36	-1.74	-0.71	7.42	-2.36	-2.84	10.26	Pm	70.00	5.82
	Outside	18592	0.36	-0.62	6.32	3.52	-1.24	-0.44	6.76	3.03	-3.72	10.47	Pm+Pb	100.00	8.55
8	Inside	18545	-10.43	-3.88	6.98	-2.65	0.06	4.31	8.01	-3.09	-12.25	20.26	Pm+Pb	100.00	3.94
	Middle	18547	-5.94	-1.50	4.61	-1.71	0.23	-1.44	4.84	-1.00	-6.67	11.51	Pm	70.00	5.08
	Outside	18549	-1.51	-0.22	1.94	-1.02	-0.63	-6.41	6.86	0.00	-6.64	13.50	Pm+Pb	100.00	6.41
9	Inside	18511	2.31	1.91	15.99	-0.72	0.29	-0.67	16.03	2.82	1.36	14.67	Pm+Pb	100.00	5.82
	Middle	18518	-10.15	2.42	4.59	1.13	1.10	-0.13	5.06	2.06	-10.25	15.31	Pm	70.00	3.57
	Outside	18525	-21.99	3.52	-5.48	1.84	1.17	-0.05	3.79	-5.63	-22.13	25.92	Pm+Pb	100.00	2.86

TABLE 2.10.6-253 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SLAPDOWN AT DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION B

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-11.26	-1.30	-7.54	-0.53	-0.24	0.39	-1.26	-7.51	-11.32	10.06	Pm+Pb	100.00	8.94
	Middle	2755	0.50	-0.78	-4.22	-0.50	-0.19	0.29	0.69	-0.95	-4.24	4.94	Pm	70.00	13.17
	Outside	2762	11.91	-0.20	-1.05	-0.55	-0.24	0.25	11.94	-0.16	-1.11	13.05	Pm+Pb	100.00	6.66
2	Inside	2965	0.85	-0.07	-3.27	-0.28	-0.04	1.85	1.61	-0.11	-3.98	5.59	Pm+Pb	100.00	16.89
	Middle	2967	0.35	-0.10	-4.49	-0.22	-0.13	2.37	1.36	-0.15	-5.46	6.81	Pm	70.00	9.27
	Outside	2969	0.48	0.38	-4.97	-0.10	-0.05	2.77	1.66	0.37	-6.13	7.79	Pm+Pb	100.00	11.84
3	Inside	3053	2.13	2.33	-0.55	-2.06	-1.90	1.99	5.54	0.18	-1.80	7.34	Pm+Pb	100.00	12.63
	Middle	3052	0.13	0.24	-2.21	-0.04	-3.21	3.32	3.78	0.14	-5.77	9.55	Pm	70.00	6.33
	Outside	3051	-1.35	-1.31	-3.65	1.39	-4.52	4.58	3.26	0.06	-9.64	12.89	Pm+Pb	100.00	6.76
4	Inside	11529	0.02	2.88	1.21	-0.41	-3.34	0.22	5.52	-0.02	-1.40	6.92	Pm+Pb	100.00	13.45
	Middle	11531	-0.17	0.34	0.91	-0.23	-6.88	0.18	7.52	-0.18	-6.26	13.78	Pm	70.00	4.08
	Outside	11533	-0.21	-1.78	0.76	-0.02	-10.26	0.54	9.84	-0.22	-10.86	20.70	Pm+Pb	100.00	3.83
5	Inside	11312	0.04	1.66	5.01	0.16	-7.90	-0.47	11.43	0.03	-4.75	16.18	Pm+Pb	100.00	5.18
	Middle	11319	-0.02	0.28	6.71	0.16	-9.23	-0.47	13.28	-0.04	-6.28	19.56	Pm	70.00	2.58
	Outside	11326	-0.07	-1.09	8.39	0.17	-10.53	-0.40	15.22	-0.08	-7.90	23.11	Pm+Pb	100.00	3.33
6	Inside	28657	0.22	7.83	12.58	0.40	-14.88	-1.01	25.31	0.21	-4.89	30.20	Pm+Pb	100.00	2.31
	Middle	28659	-0.51	-0.24	12.90	-0.03	-10.63	-0.94	18.86	-0.50	-6.21	25.08	Pm	70.00	1.79
	Outside	28661	-1.21	-6.88	13.56	-0.29	-6.62	-0.42	15.53	-1.19	-8.86	24.38	Pm+Pb	100.00	3.10
7	Inside	20181	-3.43	-1.81	10.97	-2.27	-14.51	-14.91	25.30	-0.32	-19.26	44.56	Pm+Pb	100.00	1.24
	Middle	20180	-0.87	0.58	13.60	0.05	-6.42	-6.76	18.32	-0.07	-4.93	23.25	Pm	70.00	2.01
	Outside	20179	1.19	2.47	16.36	1.64	-0.10	-0.12	16.36	3.59	0.06	16.30	Pm+Pb	100.00	5.14
8	Inside	20093	-11.49	-0.93	11.35	-1.41	-1.36	-20.22	23.17	-0.78	-23.46	46.63	Pm+Pb	100.00	1.14
	Middle	20095	-1.45	0.20	12.68	-0.76	-1.35	-4.23	13.94	0.49	-3.00	16.94	Pm	70.00	3.13
	Outside	20097	6.11	0.18	12.56	0.04	0.34	10.79	20.61	0.19	-1.94	22.55	Pm+Pb	100.00	3.43
9	Inside	19876	0.83	-0.83	22.58	0.12	-3.36	-1.52	23.15	0.73	-1.31	24.46	Pm+Pb	100.00	3.09
	Middle	19883	-3.34	-0.64	12.42	0.14	-3.40	-0.21	13.26	-1.47	-3.35	16.61	Pm	70.00	3.21
	Outside	19890	-7.61	-0.70	2.15	-0.27	-2.89	0.77	4.01	-2.50	-7.67	11.68	Pm+Pb	100.00	7.56

TABLE 2.10.6-254 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SLAPDOWN AT DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-8.99	0.04	-14.66	0.03	0.02	0.12	0.04	-8.99	-14.66	14.70	Pm+Pb	100.00	5.80
	Middle	2944	-1.36	0.03	-13.44	0.03	0.01	0.13	0.03	-1.36	-13.44	13.47	Pm	70.00	4.20
	Outside	2951	6.30	0.03	-12.18	0.03	0.01	0.15	6.30	0.03	-12.18	18.48	Pm+Pb	100.00	4.41
2	Inside	3019	-12.15	-0.65	-16.57	0.70	-0.09	1.60	-0.61	-11.67	-17.09	16.48	Pm+Pb	100.00	5.07
	Middle	3021	-0.58	-0.45	-14.10	0.05	-0.09	1.86	-0.32	-0.46	-14.35	14.03	Pm	70.00	3.99
	Outside	3023	9.03	-0.28	-12.20	-0.46	-0.09	2.12	9.27	-0.30	-12.41	21.68	Pm+Pb	100.00	3.61
3	Inside	3188	-4.72	-3.43	-14.00	3.65	-1.90	1.87	-0.36	-6.81	-14.98	14.61	Pm+Pb	100.00	5.84
	Middle	3187	-0.61	0.38	-12.64	-0.21	-1.97	1.94	0.87	-0.53	-13.21	14.08	Pm	70.00	3.97
	Outside	3186	2.29	3.04	-11.97	-2.91	-2.08	2.05	6.07	-0.27	-12.44	18.51	Pm+Pb	100.00	4.40
4	Inside	11583	-0.03	1.98	-6.57	0.46	-3.30	0.16	3.15	-0.06	-7.71	10.86	Pm+Pb	100.00	8.21
	Middle	11585	0.01	0.46	-7.58	0.48	-3.39	0.15	1.79	-0.07	-8.83	10.62	Pm	70.00	5.59
	Outside	11587	0.02	-1.04	-8.58	0.50	-3.51	0.15	0.62	-0.25	-9.97	10.59	Pm+Pb	100.00	8.44
5	Inside	11501	0.00	17.63	10.71	0.49	-3.99	0.00	19.46	8.89	-0.01	19.47	Pm+Pb	100.00	4.14
	Middle	11508	0.00	1.76	4.55	0.49	-3.82	0.00	7.23	0.14	-1.06	8.29	Pm	70.00	7.44
	Outside	11515	0.00	-14.11	-1.61	0.49	-3.66	0.00	0.03	-0.64	-15.12	15.15	Pm+Pb	100.00	5.60
6	Inside	28711	1.06	36.10	27.82	2.37	-3.36	-0.11	37.43	26.65	0.90	36.53	Pm+Pb	100.00	1.74
	Middle	28713	0.81	1.73	16.36	0.35	-2.90	-0.09	16.92	1.36	0.62	16.30	Pm	70.00	3.29
	Outside	28715	0.59	-26.76	6.64	-1.24	-2.50	-0.08	6.83	0.64	-27.00	33.83	Pm+Pb	100.00	1.96
7	Inside	20316	11.04	15.09	29.80	11.90	-1.54	-1.45	30.61	24.32	0.99	29.62	Pm+Pb	100.00	2.38
	Middle	20315	-0.62	2.50	23.54	0.01	-1.46	-1.37	23.71	2.41	-0.70	24.42	Pm	70.00	1.87
	Outside	20314	-8.78	-6.39	19.42	-8.32	-1.41	-1.32	19.52	0.82	-16.09	35.61	Pm+Pb	100.00	1.81
8	Inside	20147	-10.86	-0.67	20.64	1.80	-0.03	-0.85	20.66	-0.36	-11.19	31.85	Pm+Pb	100.00	2.14
	Middle	20149	1.38	-0.47	26.99	2.18	-0.05	-1.37	27.06	2.77	-1.94	29.00	Pm	70.00	1.41
	Outside	20151	12.52	-0.16	33.04	2.49	-0.07	-1.88	33.22	12.82	-0.63	33.85	Pm+Pb	100.00	1.95
9	Inside	20065	-45.70	-0.55	8.45	0.31	0.14	-0.06	8.45	-0.55	-45.70	54.15	Pm+Pb	100.00	0.85
	Middle	20072	1.72	-0.42	26.22	0.30	0.12	-0.12	26.22	1.76	-0.46	26.68	Pm	70.00	1.62
	Outside	20079	49.08	-0.30	43.95	0.29	0.11	-0.19	49.09	43.94	-0.30	49.39	Pm+Pb	100.00	1.02

TABLE 2.10.6-255 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SLAPDOWN AT DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION D

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-9.58	0.12	-16.93	0.04	0.01	0.04	0.12	-9.58	-16.93	17.04	Pm+Pb	100.00	4.87
	Middle	3406	-1.27	0.07	-15.64	0.02	0.00	0.05	0.07	-1.27	-15.64	15.71	Pm	70.00	3.46
	Outside	3413	7.07	0.03	-14.32	0.02	0.00	0.06	7.07	0.03	-14.32	21.39	Pm+Pb	100.00	3.68
2	Inside	3481	-12.03	-0.77	-18.58	0.61	-0.06	0.81	-0.74	-11.97	-18.68	17.94	Pm+Pb	100.00	4.58
	Middle	3483	-0.49	-0.53	-16.31	-0.03	-0.06	0.71	-0.45	-0.54	-16.35	15.90	Pm	70.00	3.40
	Outside	3485	9.10	-0.31	-14.65	-0.53	-0.06	0.63	9.15	-0.34	-14.67	23.81	Pm+Pb	100.00	3.20
3	Inside	3650	-3.97	-2.58	-15.19	2.93	-1.08	1.03	-0.26	-6.04	-15.43	15.17	Pm+Pb	100.00	5.59
	Middle	3649	-0.58	0.48	-14.34	-0.21	-0.73	0.68	0.57	-0.61	-14.41	14.98	Pm	70.00	3.67
	Outside	3648	1.81	2.60	-14.07	-2.41	-0.44	0.39	4.66	-0.23	-14.09	18.76	Pm+Pb	100.00	4.33
4	Inside	12045	0.01	3.33	-7.34	0.32	-1.83	0.06	3.66	-0.01	-7.64	11.30	Pm+Pb	100.00	7.85
	Middle	12047	0.04	0.55	-8.44	0.41	-1.13	0.05	0.88	-0.15	-8.58	9.46	Pm	70.00	6.40
	Outside	12049	0.05	-1.98	-9.47	0.49	-0.50	0.03	0.16	-2.06	-9.50	9.66	Pm+Pb	100.00	9.35
5	Inside	11963	0.00	16.91	10.07	0.41	-1.58	0.04	17.26	9.72	-0.01	17.27	Pm+Pb	100.00	4.79
	Middle	11970	0.00	1.75	4.99	0.41	-1.11	0.04	5.33	1.51	-0.11	5.44	Pm	70.00	11.88
	Outside	11977	0.00	-13.41	-0.09	0.41	-0.64	0.04	0.01	-0.07	-13.46	13.47	Pm+Pb	100.00	6.42
6	Inside	29173	0.94	31.81	27.95	2.03	0.03	0.07	31.95	27.95	0.81	31.14	Pm+Pb	100.00	2.21
	Middle	29175	0.71	1.51	18.43	0.25	-0.71	0.06	18.46	1.56	0.63	17.83	Pm	70.00	2.93
	Outside	29177	0.51	-23.63	10.46	-1.13	-1.38	0.04	10.52	0.56	-23.74	34.26	Pm+Pb	100.00	1.92
7	Inside	20778	9.12	12.75	30.21	9.96	0.84	0.93	30.38	20.90	0.81	29.57	Pm+Pb	100.00	2.38
	Middle	20777	-0.62	2.17	25.21	0.00	-0.37	-0.28	25.21	2.16	-0.63	25.84	Pm	70.00	1.71
	Outside	20776	-7.43	-5.31	22.01	-6.99	-1.42	-1.33	22.12	0.70	-13.54	35.66	Pm+Pb	100.00	1.80
8	Inside	20609	-10.62	-0.60	22.44	1.45	0.07	1.66	22.52	-0.40	-10.90	33.43	Pm+Pb	100.00	1.99
	Middle	20611	1.03	-0.42	27.90	1.85	0.03	-0.28	27.91	2.29	-1.68	29.59	Pm	70.00	1.37
	Outside	20613	11.56	-0.16	33.07	2.16	-0.01	-2.08	33.27	11.74	-0.54	33.81	Pm+Pb	100.00	1.96
9	Inside	20527	-40.47	-0.46	12.73	0.26	0.17	0.11	12.73	-0.46	-40.48	53.21	Pm+Pb	100.00	0.88
	Middle	20534	1.10	-0.35	27.42	0.25	0.16	-0.03	27.43	1.14	-0.39	27.82	Pm	70.00	1.52
	Outside	20541	42.62	-0.24	42.10	0.24	0.14	-0.17	42.68	42.05	-0.24	42.92	Pm+Pb	100.00	1.33

TABLE 2.10.6-256 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - 30 FT SLAPDOWN AT DROP ANGLE OF 15 DEGREES (T= -20°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-8.23	-0.24	-15.61	-0.08	-0.02	-0.06	-0.24	-8.23	-15.61	15.38	Pm+Pb	100.00	5.50
	Middle	3868	-0.70	-0.15	-14.53	-0.05	-0.02	-0.08	-0.14	-0.70	-14.53	14.39	Pm	70.00	3.87
	Outside	3875	6.78	-0.06	-13.47	-0.04	-0.02	-0.11	6.78	-0.06	-13.47	20.25	Pm+Pb	100.00	3.94
2	Inside	3943	-7.92	-0.65	-16.01	0.28	0.02	-0.61	-0.64	-7.88	-16.05	15.42	Pm+Pb	100.00	5.49
	Middle	3945	-0.22	-0.43	-14.88	-0.13	0.03	-1.15	-0.08	-0.48	-14.97	14.89	Pm	70.00	3.70
	Outside	3947	6.21	-0.24	-14.14	-0.45	0.04	-1.66	6.38	-0.27	-14.28	20.65	Pm+Pb	100.00	3.84
3	Inside	4112	-1.79	-0.77	-12.48	1.14	0.68	-0.71	-0.03	-2.44	-12.57	12.55	Pm+Pb	100.00	6.97
	Middle	4111	-0.38	0.40	-12.63	-0.12	1.24	-1.25	0.59	-0.32	-12.87	13.46	Pm	70.00	4.20
	Outside	4110	0.63	1.21	-13.02	-1.00	1.74	-1.75	2.35	-0.11	-13.42	15.77	Pm+Pb	100.00	5.34
4	Inside	12507	0.04	3.69	-5.89	0.08	1.27	-0.10	3.86	0.04	-6.06	9.92	Pm+Pb	100.00	9.08
	Middle	12509	0.06	0.37	-6.91	0.23	2.25	-0.11	1.04	0.03	-7.55	8.60	Pm	70.00	7.14
	Outside	12511	0.07	-2.53	-7.82	0.35	3.18	-0.12	0.14	-1.10	-9.31	9.45	Pm+Pb	100.00	9.58
5	Inside	12425	0.00	11.01	8.49	0.22	2.17	0.05	12.27	7.24	0.00	12.27	Pm+Pb	100.00	7.15
	Middle	12432	0.00	1.07	5.46	0.22	2.66	0.05	6.71	0.10	-0.29	7.00	Pm	70.00	9.00
	Outside	12439	0.00	-8.87	2.42	0.22	3.14	0.05	3.24	0.00	-9.69	12.93	Pm+Pb	100.00	6.73
6	Inside	29635	0.56	18.87	23.23	1.17	3.67	0.24	25.34	16.84	0.49	24.85	Pm+Pb	100.00	3.02
	Middle	29637	0.42	0.88	17.76	0.12	2.23	0.21	18.05	0.63	0.38	17.67	Pm	70.00	2.96
	Outside	29639	0.29	-14.07	13.20	-0.70	0.95	0.18	13.24	0.32	-14.14	27.37	Pm+Pb	100.00	2.65
7	Inside	21240	5.16	7.34	25.94	5.70	3.04	3.11	27.19	10.82	0.44	26.74	Pm+Pb	100.00	2.74
	Middle	21239	-0.38	1.29	23.39	0.01	1.16	1.23	23.51	1.23	-0.45	23.96	Pm	70.00	1.92
	Outside	21238	-4.26	-2.99	21.87	-3.98	-0.43	-0.36	21.88	0.40	-7.67	29.55	Pm+Pb	100.00	2.38
8	Inside	21071	-6.81	-0.37	21.84	0.83	0.17	3.68	22.31	-0.28	-7.36	29.67	Pm+Pb	100.00	2.37
	Middle	21073	0.62	-0.26	25.43	1.09	0.12	1.14	25.49	1.32	-1.01	26.50	Pm	70.00	1.64
	Outside	21075	7.30	-0.10	28.83	1.30	0.06	-1.20	28.89	7.46	-0.33	29.22	Pm+Pb	100.00	2.42
9	Inside	20989	-24.49	-0.26	16.18	0.15	0.18	0.25	16.19	-0.26	-24.49	40.68	Pm+Pb	100.00	1.46
	Middle	20996	0.65	-0.20	25.10	0.15	0.17	0.08	25.10	0.67	-0.23	25.33	Pm	70.00	1.76
	Outside	21003	25.76	-0.15	34.01	0.14	0.16	-0.10	34.02	25.76	-0.15	34.16	Pm+Pb	100.00	1.93

**TABLE 2.10.6-257 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SLAPDOWN AT 15 DEGREES
(T= -20°F) SECTION A**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	5.04	0.52	-0.87	-0.67	0.00	0.44	5.17	0.42	-0.91	6.08	Pm+Pb	100.00	15.46
	Middle	10029	-1.65	0.84	-1.93	0.01	-0.03	0.37	0.84	-1.40	-2.18	3.02	Pm	70.00	22.14
	Outside	10028	-6.85	0.71	-3.60	0.52	0.06	0.35	0.74	-3.57	-6.93	7.67	Pm+Pb	100.00	12.04
4	Inside	9981	2.93	1.92	1.84	-2.10	-1.30	2.29	6.16	0.60	-0.08	6.24	Pm+Pb	100.00	15.03
	Middle	9983	-0.35	-0.54	-0.32	0.29	-1.79	2.20	2.33	-0.18	-3.36	5.69	Pm	70.00	11.30
	Outside	9985	-3.42	-2.74	-3.06	2.67	-2.36	2.61	-0.38	-0.65	-8.19	7.81	Pm+Pb	100.00	11.80
5	Inside	1383	0.81	-0.23	4.26	0.01	-1.82	2.62	6.08	0.22	-1.46	7.54	Pm+Pb	100.00	12.26
	Middle	1390	1.95	1.10	4.49	-1.59	-2.42	3.09	7.80	-0.11	-0.16	7.97	Pm	70.00	7.79
	Outside	1397	3.11	2.49	4.52	-3.14	-3.04	3.64	10.04	0.47	-0.38	10.42	Pm+Pb	100.00	8.60
6	Inside	1417	-4.45	-3.83	5.15	-1.49	-2.94	3.06	7.01	-4.43	-5.71	12.72	Pm+Pb	100.00	6.86
	Middle	1419	-0.77	0.09	7.80	-2.84	-3.83	3.72	11.11	-0.77	-3.23	14.34	Pm	70.00	3.88
	Outside	1421	1.93	3.14	10.06	-3.43	-4.89	4.45	14.96	1.14	-0.97	15.92	Pm+Pb	100.00	5.28
7	Inside	1466	0.17	0.29	9.37	-0.47	-5.35	0.11	11.86	0.22	-2.25	14.11	Pm+Pb	100.00	6.09
	Middle	1465	0.36	1.92	8.49	-0.13	-4.52	-0.04	10.80	0.38	-0.41	11.20	Pm	70.00	5.25
	Outside	1464	0.73	3.83	8.25	0.35	-3.93	-0.10	10.55	1.60	0.65	9.90	Pm+Pb	100.00	9.10
8	Inside	18545	-5.26	-5.70	9.91	-0.97	-3.50	-1.59	10.78	-4.53	-7.30	18.07	Pm+Pb	100.00	4.53
	Middle	18547	-1.10	-1.24	9.10	1.21	-3.13	-2.13	10.47	-1.22	-2.49	12.96	Pm	70.00	4.40
	Outside	18549	2.10	2.51	8.19	2.95	-3.36	-2.31	11.04	2.47	-0.71	11.74	Pm+Pb	100.00	7.51
9	Inside	18511	1.65	-0.22	15.95	-0.65	0.28	0.96	16.02	1.80	-0.44	16.46	Pm+Pb	100.00	5.08
	Middle	18518	-1.34	-2.74	8.31	-3.40	-1.12	-1.42	8.55	1.41	-5.74	14.29	Pm	70.00	3.90
	Outside	18525	-3.76	-5.07	1.56	-6.12	-2.95	-3.52	3.32	1.51	-12.09	15.41	Pm+Pb	100.00	5.49
10	Inside	27109	-4.98	-0.52	10.15	-3.56	-5.07	-5.20	12.94	1.21	-9.49	22.43	Pm+Pb	100.00	3.46
	Middle	27111	-6.27	-3.03	4.74	-5.94	-0.01	-0.33	4.76	1.49	-10.81	15.57	Pm	70.00	3.49
	Outside	27113	-7.42	-4.46	-0.17	-6.87	3.83	4.18	2.08	0.98	-15.11	17.19	Pm+Pb	100.00	4.82
11	Inside	27158	-16.79	-2.74	5.49	-2.53	-1.78	-0.86	5.87	-2.61	-17.29	23.16	Pm+Pb	100.00	3.32
	Middle	27157	-8.04	-5.45	2.63	-1.98	-1.31	0.08	2.85	-4.58	-9.14	11.99	Pm	70.00	4.84
	Outside	27156	-4.99	-7.64	-1.86	-1.73	-1.02	0.92	-1.26	-4.70	-8.54	7.28	Pm+Pb	100.00	12.74

**TABLE 2.10.6-258 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SLAPDOWN AT 15 DEGREES
(T= -20°F) SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	5.52	0.26	-6.26	-0.50	0.03	0.18	5.57	0.22	-6.26	11.84	Pm+Pb	100.00	7.45
	Middle	11616	-0.23	0.22	-9.01	0.06	0.04	0.27	0.23	-0.23	-9.02	9.25	Pm	70.00	6.57
	Outside	11615	-4.39	0.14	-11.36	0.46	0.01	0.31	0.18	-4.43	-11.38	11.56	Pm+Pb	100.00	7.65
4	Inside	11529	2.42	1.74	-5.66	-1.99	-0.53	0.71	4.18	0.07	-5.74	9.92	Pm+Pb	100.00	9.08
	Middle	11531	0.05	-0.14	-8.07	-0.17	-1.36	1.42	0.58	-0.23	-8.51	9.09	Pm	70.00	6.70
	Outside	11533	-1.62	-1.31	-9.74	1.39	-1.91	2.40	-0.06	-1.70	-10.91	10.84	Pm+Pb	100.00	8.22
5	Inside	2748	-2.31	-2.43	-2.12	2.25	-0.93	1.01	-0.11	-1.52	-5.23	5.12	Pm+Pb	100.00	18.55
	Middle	2755	0.41	0.29	-0.83	-0.40	-2.36	2.36	3.39	-0.05	-3.47	6.86	Pm	70.00	9.21
	Outside	2762	3.14	3.04	0.50	-3.01	-3.75	3.73	9.29	0.07	-2.69	11.97	Pm+Pb	100.00	7.35
6	Inside	2965	0.57	1.69	5.94	-1.42	-5.34	4.39	11.40	-0.35	-2.84	14.24	Pm+Pb	100.00	6.02
	Middle	2967	-0.13	0.71	5.67	-0.58	-5.29	4.34	10.55	-0.36	-3.95	14.49	Pm	70.00	3.83
	Outside	2969	-0.47	-0.03	5.64	0.08	-5.18	4.38	10.08	-0.20	-4.73	14.82	Pm+Pb	100.00	5.75
7	Inside	3053	0.18	4.58	9.33	-0.28	-11.53	-0.34	18.72	0.22	-4.86	23.58	Pm+Pb	100.00	3.24
	Middle	3052	0.14	0.82	8.75	-0.29	-8.52	-0.33	14.19	0.18	-4.65	18.84	Pm	70.00	2.72
	Outside	3051	0.04	-1.72	8.41	-0.30	-6.44	-0.34	11.54	0.07	-4.88	16.42	Pm+Pb	100.00	5.09
8	Inside	20093	-2.47	-3.12	8.47	-2.44	-10.10	-9.47	17.07	-0.33	-13.85	30.92	Pm+Pb	100.00	2.23
	Middle	20095	0.09	0.10	10.10	-0.01	-6.93	-6.17	15.64	0.10	-5.45	21.09	Pm	70.00	2.32
	Outside	20097	2.24	2.75	11.41	2.04	-3.52	-3.48	14.00	1.97	0.42	13.58	Pm+Pb	100.00	6.36
9	Inside	19876	0.66	-0.69	15.95	0.30	-9.63	-7.98	22.85	-0.13	-6.80	29.65	Pm+Pb	100.00	2.37
	Middle	19883	-0.69	-1.97	11.93	-1.08	-6.88	-5.32	16.01	-0.11	-6.63	22.64	Pm	70.00	2.09
	Outside	19890	-2.16	-3.29	7.89	-2.43	-3.92	-2.70	9.44	-0.24	-6.76	16.20	Pm+Pb	100.00	5.17
10	Inside	28657	-2.37	-0.46	12.41	-1.05	-1.73	-0.97	12.69	-0.10	-3.00	15.69	Pm+Pb	100.00	5.37
	Middle	28659	-2.41	-0.65	13.59	-1.23	-5.12	-4.43	16.05	-0.24	-5.28	21.33	Pm	70.00	2.28
	Outside	28661	-3.10	-2.10	13.81	-1.36	-7.78	-8.08	19.23	-1.20	-9.42	28.66	Pm+Pb	100.00	2.49
11	Inside	28745	-11.68	-0.66	8.80	-1.24	-0.29	-0.35	8.82	-0.53	-11.82	20.64	Pm+Pb	100.00	3.84
	Middle	28744	-1.58	-0.31	13.15	-0.17	-0.35	-1.08	13.24	-0.29	-1.68	14.92	Pm	70.00	3.69
	Outside	28743	5.92	0.51	17.79	0.88	-0.78	-1.28	17.97	5.90	0.35	17.62	Pm+Pb	100.00	4.68

**TABLE 2.10.6-259 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SLAPDOWN AT 15 DEGREES
(T= -20°F) SECTION C**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	-6.22	-0.36	-17.02	0.58	0.07	0.02	-0.30	-6.28	-17.02	16.72	Pm+Pb	100.00	4.98
	Middle	11751	0.28	-0.27	-15.96	-0.06	0.06	0.09	0.29	-0.28	-15.96	16.25	Pm	70.00	3.31
	Outside	11750	4.84	-0.20	-15.47	-0.51	0.05	0.15	4.89	-0.25	-15.47	20.36	Pm+Pb	100.00	3.91
4	Inside	11583	-3.34	-2.58	-15.31	2.63	0.08	0.02	-0.30	-5.61	-15.31	15.01	Pm+Pb	100.00	5.66
	Middle	11585	-0.12	-0.02	-14.29	-0.14	-0.41	0.52	0.11	-0.22	-14.32	14.42	Pm	70.00	3.85
	Outside	11587	2.52	2.12	-13.55	-2.43	-0.88	1.01	4.85	-0.12	-13.65	18.50	Pm+Pb	100.00	4.41
5	Inside	2937	-2.29	-1.90	-8.37	1.35	-0.66	0.66	-0.73	-3.29	-8.54	7.81	Pm+Pb	100.00	11.80
	Middle	2944	-0.42	-0.02	-8.33	-0.27	-1.32	1.31	0.49	-0.53	-8.73	9.22	Pm	70.00	6.59
	Outside	2951	1.38	1.79	-8.35	-1.83	-1.99	1.97	4.05	-0.25	-8.98	13.03	Pm+Pb	100.00	6.67
6	Inside	3019	4.38	7.09	1.58	-6.12	-2.06	1.80	12.68	0.92	-0.54	13.22	Pm+Pb	100.00	6.57
	Middle	3021	-0.58	0.58	-3.25	-0.19	-2.17	1.92	1.99	-0.35	-4.90	6.89	Pm	70.00	9.16
	Outside	3023	-4.68	-4.72	-7.47	4.72	-2.30	2.05	0.02	-5.22	-11.68	11.70	Pm+Pb	100.00	7.55
7	Inside	3188	1.04	19.21	7.95	-0.16	-3.66	-0.02	20.30	6.87	1.04	19.26	Pm+Pb	100.00	4.19
	Middle	3187	0.82	0.12	1.62	-0.13	-3.28	-0.02	4.23	0.82	-2.50	6.74	Pm	70.00	9.39
	Outside	3186	0.63	-13.17	-2.96	-0.12	-3.02	-0.03	0.63	-2.13	-13.99	14.62	Pm+Pb	100.00	5.84
8	Inside	20147	2.10	4.53	8.95	3.30	-2.93	-2.71	12.00	3.82	-0.24	12.24	Pm+Pb	100.00	7.17
	Middle	20149	-0.44	1.16	7.95	0.32	-2.61	-2.40	9.41	0.42	-1.16	10.57	Pm	70.00	5.62
	Outside	20151	-2.39	-1.40	7.37	-2.03	-2.33	-2.14	8.21	0.17	-4.79	12.99	Pm+Pb	100.00	6.70
9	Inside	20065	-4.35	-4.37	14.79	-4.25	-2.83	-2.89	15.47	-0.10	-9.29	24.76	Pm+Pb	100.00	3.04
	Middle	20072	0.85	0.91	19.06	0.97	-2.15	-2.20	19.59	1.32	-0.09	19.68	Pm	70.00	2.56
	Outside	20079	6.02	6.17	23.29	6.17	-1.47	-1.51	23.68	11.87	-0.08	23.76	Pm+Pb	100.00	3.21
10	Inside	28711	2.30	0.21	29.79	1.36	-1.54	-1.61	29.97	2.80	-0.47	30.44	Pm+Pb	100.00	2.28
	Middle	28713	1.77	0.06	30.95	0.99	-0.90	-0.93	31.00	2.17	-0.39	31.40	Pm	70.00	1.23
	Outside	28715	1.49	0.12	32.21	0.81	-0.31	-0.29	32.21	1.85	-0.26	32.47	Pm+Pb	100.00	2.08
11	Inside	28880	8.92	0.18	34.66	0.73	-0.09	-0.28	34.66	8.97	0.12	34.54	Pm+Pb	100.00	1.89
	Middle	28879	1.67	0.19	34.46	0.03	-0.10	-0.15	34.46	1.67	0.19	34.27	Pm	70.00	1.04
	Outside	28878	-3.46	0.21	34.86	-0.46	-0.10	-0.05	34.86	0.26	-3.52	38.38	Pm+Pb	100.00	1.61

**TABLE 2.10.6-260 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SLAPDOWN AT 15 DEGREES
(T= -20°F) SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-9.83	-0.56	-19.78	0.89	0.03	0.01	-0.48	-9.91	-19.78	19.30	Pm+Pb	100.00	4.18
	Middle	12213	0.38	-0.43	-17.63	-0.11	0.03	0.05	0.40	-0.44	-17.63	18.03	Pm	70.00	2.88
	Outside	12212	7.53	-0.32	-16.41	-0.80	0.03	0.08	7.61	-0.40	-16.42	24.03	Pm+Pb	100.00	3.16
4	Inside	12045	-4.70	-3.44	-17.51	3.73	0.04	0.00	-0.28	-7.86	-17.51	17.23	Pm+Pb	100.00	4.80
	Middle	12047	-0.24	0.09	-15.86	-0.16	-0.21	0.26	0.16	-0.30	-15.87	16.02	Pm	70.00	3.37
	Outside	12049	3.42	3.01	-14.63	-3.36	-0.45	0.51	6.60	-0.15	-14.66	21.26	Pm+Pb	100.00	3.70
5	Inside	3399	-1.31	-0.93	-9.01	0.90	-0.35	0.28	-0.19	-2.01	-9.04	8.85	Pm+Pb	100.00	10.30
	Middle	3406	-0.27	0.13	-9.52	-0.08	-0.61	0.56	0.20	-0.27	-9.59	9.78	Pm	70.00	6.15
	Outside	3413	0.75	1.16	-10.03	-1.04	-0.88	0.83	2.14	-0.11	-10.15	12.28	Pm+Pb	100.00	7.14
6	Inside	3481	4.77	7.46	1.04	-6.37	-0.75	0.68	12.71	0.96	-0.41	13.12	Pm+Pb	100.00	6.62
	Middle	3483	-0.55	0.54	-4.02	-0.11	-0.79	0.71	0.71	-0.46	-4.28	5.00	Pm	70.00	13.01
	Outside	3485	-4.94	-5.12	-8.44	5.08	-0.84	0.76	0.05	-7.87	-10.67	10.72	Pm+Pb	100.00	8.32
7	Inside	3650	1.07	19.46	7.62	-0.13	-1.06	0.01	19.55	7.52	1.07	18.48	Pm+Pb	100.00	4.41
	Middle	3649	0.83	-0.05	1.16	-0.11	-1.08	0.01	1.79	0.83	-0.69	2.48	Pm	70.00	27.22
	Outside	3648	0.63	-13.64	-3.51	-0.10	-1.12	0.01	0.63	-3.39	-13.76	14.39	Pm+Pb	100.00	5.95
8	Inside	20609	2.85	5.33	9.51	3.99	-0.74	-0.67	10.06	7.72	-0.09	10.15	Pm+Pb	100.00	8.85
	Middle	20611	-0.42	1.04	7.99	0.21	-0.77	-0.70	8.14	0.97	-0.49	8.63	Pm	70.00	7.11
	Outside	20613	-3.00	-2.30	6.96	-2.82	-0.82	-0.75	7.06	0.19	-5.58	12.64	Pm+Pb	100.00	6.91
9	Inside	20527	-3.74	-3.60	16.58	-3.59	-0.88	-0.93	16.64	-0.09	-7.33	23.97	Pm+Pb	100.00	3.17
	Middle	20534	0.61	0.82	20.29	0.79	-0.54	-0.59	20.32	1.49	-0.08	20.40	Pm	70.00	2.43
	Outside	20541	4.95	5.23	23.98	5.15	-0.20	-0.24	23.99	10.24	-0.07	24.06	Pm+Pb	100.00	3.16
10	Inside	29173	0.31	-0.96	31.19	-0.16	-0.64	-0.66	31.22	0.32	-1.00	32.22	Pm+Pb	100.00	2.10
	Middle	29175	1.39	0.11	33.23	0.87	-0.22	-0.22	33.23	1.83	-0.33	33.56	Pm	70.00	1.09
	Outside	29177	2.40	1.14	35.23	1.83	0.17	0.20	35.23	3.71	-0.17	35.40	Pm+Pb	100.00	1.82
11	Inside	29342	3.89	-0.05	35.63	0.29	-0.05	-0.11	35.63	3.91	-0.07	35.70	Pm+Pb	100.00	1.80
	Middle	29341	1.53	0.00	36.98	0.06	-0.05	-0.03	36.98	1.53	0.00	36.98	Pm	70.00	0.89
	Outside	29340	-0.16	0.06	38.52	-0.09	-0.06	0.03	38.53	0.09	-0.19	38.72	Pm+Pb	100.00	1.58

**TABLE 2.10.6-261 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - 30 FT SLAPDOWN AT 15 DEGREES
(T= -20°F) SECTION E**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-10.33	-0.59	-19.44	0.93	-0.02	-0.03	-0.50	-10.42	-19.44	18.94	Pm+Pb	100.00	4.28
	Middle	12675	0.38	-0.45	-17.19	-0.12	-0.02	-0.05	0.39	-0.46	-17.19	17.58	Pm	70.00	2.98
	Outside	12674	7.87	-0.33	-15.91	-0.85	-0.02	-0.07	7.96	-0.42	-15.91	23.87	Pm+Pb	100.00	3.19
4	Inside	12507	-4.70	-3.34	-16.94	3.75	0.08	-0.13	-0.21	-7.83	-16.94	16.73	Pm+Pb	100.00	4.98
	Middle	12509	-0.26	0.14	-15.30	-0.13	0.26	-0.31	0.19	-0.29	-15.31	15.50	Pm	70.00	3.52
	Outside	12511	3.37	3.03	-14.09	-3.32	0.43	-0.48	6.55	-0.13	-14.11	20.65	Pm+Pb	100.00	3.84
5	Inside	3861	-0.49	-0.18	-7.82	0.44	0.47	-0.47	0.13	-0.74	-7.88	8.01	Pm+Pb	100.00	11.48
	Middle	3868	-0.15	0.17	-8.49	0.04	0.82	-0.82	0.26	-0.07	-8.65	8.90	Pm	70.00	6.86
	Outside	3875	0.21	0.54	-9.15	-0.37	1.19	-1.18	1.05	-0.02	-9.43	10.47	Pm+Pb	100.00	8.55
6	Inside	3943	4.02	6.11	1.86	-5.15	1.43	-1.23	10.72	1.46	-0.20	10.92	Pm+Pb	100.00	8.16
	Middle	3945	-0.40	0.39	-2.27	-0.02	1.47	-1.28	1.26	-0.15	-3.39	4.65	Pm	70.00	14.07
	Outside	3947	-4.05	-4.29	-5.87	4.23	1.54	-1.34	0.07	-4.74	-9.54	9.60	Pm+Pb	100.00	9.41
7	Inside	4112	0.85	15.39	7.81	-0.07	2.96	0.06	16.41	6.80	0.85	15.56	Pm+Pb	100.00	5.43
	Middle	4111	0.66	-0.18	2.79	-0.06	2.31	0.06	4.06	0.66	-1.44	5.50	Pm	70.00	11.72
	Outside	4110	0.50	-11.04	-0.81	-0.06	1.81	0.05	0.50	-0.50	-11.35	11.85	Pm+Pb	100.00	7.44
8	Inside	21071	2.88	4.86	10.26	3.73	2.43	2.26	12.55	5.46	0.00	12.55	Pm+Pb	100.00	6.97
	Middle	21073	-0.32	0.72	8.83	0.07	1.84	1.69	9.51	0.40	-0.68	10.19	Pm	70.00	5.87
	Outside	21075	-2.88	-2.56	7.84	-2.89	1.31	1.18	8.07	0.17	-5.84	13.91	Pm+Pb	100.00	6.19
9	Inside	20989	-2.31	-2.06	16.72	-2.13	1.82	1.77	17.02	-0.05	-4.62	21.64	Pm+Pb	100.00	3.62
	Middle	20996	0.29	0.58	19.23	0.48	1.59	1.54	19.49	0.67	-0.07	19.56	Pm	70.00	2.58
	Outside	21003	2.87	3.20	21.73	3.08	1.36	1.32	21.96	5.89	-0.04	22.00	Pm+Pb	100.00	3.55
10	Inside	29635	-1.54	-1.80	27.67	-1.49	0.60	0.62	27.70	-0.17	-3.18	30.88	Pm+Pb	100.00	2.24
	Middle	29637	0.75	0.13	30.03	0.58	0.65	0.69	30.06	1.06	-0.22	30.28	Pm	70.00	1.31
	Outside	29639	2.69	1.80	32.21	2.35	0.71	0.76	32.25	4.59	-0.14	32.39	Pm+Pb	100.00	2.09
11	Inside	29804	-1.51	-0.25	30.69	-0.17	0.02	0.13	30.69	-0.23	-1.53	32.23	Pm+Pb	100.00	2.10
	Middle	29803	1.07	-0.16	33.08	0.08	0.02	0.13	33.08	1.08	-0.17	33.25	Pm	70.00	1.11
	Outside	29802	2.86	-0.08	35.23	0.26	0.01	0.12	35.23	2.88	-0.11	35.33	Pm+Pb	100.00	1.83

TABLE 2.10.6-262 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - INTERNAL PRESSURE - FIRE TEST - 90.2 psig
(T= 780°F) SECTION A

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	0.29	0.07	2.26	0.04	0.52	-0.04	2.37	0.29	-0.06	2.43	Pm+Pb	84.60	33.79
	Middle	1390	0.73	-0.02	0.72	0.04	0.30	0.03	0.84	0.72	-0.12	0.96	Pm	58.08	59.32
	Outside	1397	1.24	-0.04	-0.78	0.05	0.21	0.12	1.25	0.01	-0.84	2.09	Pm+Pb	84.60	39.51
2	Inside	1417	1.03	-0.01	1.02	-0.22	0.17	-0.61	1.69	0.42	-0.06	1.74	Pm+Pb	84.60	47.52
	Middle	1419	0.20	-0.04	0.23	-0.09	0.07	0.07	0.29	0.19	-0.09	0.38	Pm	58.08	152.18
	Outside	1421	-0.49	-0.01	-0.51	0.01	-0.04	0.77	0.27	-0.01	-1.28	1.55	Pm+Pb	84.60	53.60
3	Inside	1466	0.80	0.80	0.35	-0.84	-0.04	-0.04	1.64	0.36	-0.06	1.70	Pm+Pb	84.60	48.87
	Middle	1465	0.08	0.08	-0.08	-0.02	-0.06	-0.06	0.10	0.09	-0.13	0.23	Pm	58.08	248.67
	Outside	1464	-0.47	-0.47	-0.42	0.57	-0.06	-0.06	0.12	-0.44	-1.04	1.16	Pm+Pb	84.60	71.78
4	Inside	9981	-0.01	1.03	1.02	-0.22	-0.61	0.17	1.69	0.42	-0.06	1.74	Pm+Pb	84.60	47.52
	Middle	9983	-0.04	0.20	0.23	-0.09	0.07	0.07	0.29	0.19	-0.09	0.38	Pm	58.08	152.18
	Outside	9985	-0.01	-0.49	-0.51	0.01	0.77	-0.04	0.27	-0.01	-1.28	1.55	Pm+Pb	84.60	53.60
5	Inside	9947	0.07	0.29	2.26	0.00	0.00	0.52	2.37	0.29	-0.05	2.42	Pm+Pb	84.60	33.90
	Middle	9954	-0.02	0.73	0.72	0.00	0.00	0.30	0.82	0.73	-0.12	0.94	Pm	58.08	60.48
	Outside	9961	-0.04	1.24	-0.78	0.00	0.00	0.21	1.24	0.01	-0.84	2.07	Pm+Pb	84.60	39.81
6	Inside	27109	-0.01	1.03	1.02	0.22	0.61	0.17	1.69	0.42	-0.06	1.74	Pm+Pb	84.60	47.52
	Middle	27111	-0.04	0.20	0.23	0.09	-0.07	0.07	0.29	0.19	-0.09	0.38	Pm	58.08	152.18
	Outside	27113	-0.01	-0.49	-0.51	-0.01	-0.77	-0.04	0.27	-0.01	-1.28	1.55	Pm+Pb	84.60	53.60
7	Inside	18594	0.80	0.80	0.35	0.84	0.04	-0.04	1.64	0.36	-0.06	1.70	Pm+Pb	84.60	48.87
	Middle	18593	0.08	0.08	-0.08	0.02	0.06	-0.06	0.10	0.09	-0.13	0.23	Pm	58.08	248.67
	Outside	18592	-0.47	-0.47	-0.42	-0.57	0.06	-0.06	0.12	-0.44	-1.04	1.16	Pm+Pb	84.60	71.78
8	Inside	18545	1.03	-0.01	1.02	0.22	-0.17	-0.61	1.69	0.42	-0.06	1.74	Pm+Pb	84.60	47.52
	Middle	18547	0.20	-0.04	0.23	0.09	-0.07	0.07	0.29	0.19	-0.09	0.38	Pm	58.08	152.18
	Outside	18549	-0.49	-0.01	-0.51	-0.01	0.04	0.77	0.27	-0.01	-1.28	1.55	Pm+Pb	84.60	53.60
9	Inside	18511	0.29	0.07	2.26	-0.04	-0.52	-0.04	2.37	0.29	-0.06	2.43	Pm+Pb	84.60	33.79
	Middle	18518	0.73	-0.02	0.72	-0.04	-0.30	0.03	0.84	0.72	-0.12	0.96	Pm	58.08	59.32
	Outside	18525	1.24	-0.04	-0.78	-0.05	-0.21	0.12	1.25	0.01	-0.84	2.09	Pm+Pb	84.60	39.51

TABLE 2.10.6-263 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - INTERNAL PRESSURE - FIRE TEST - 90.2 psig
(T= 780°F) SECTION B

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	-3.44	-0.08	-1.54	-0.02	0.03	-0.04	-0.08	-1.54	-3.44	3.36	Pm+Pb	84.60	24.15
	Middle	2755	0.74	-0.01	0.42	-0.03	0.03	0.01	0.75	0.43	-0.01	0.76	Pm	58.08	75.48
	Outside	2762	4.91	0.06	2.38	-0.07	0.00	0.06	4.91	2.38	0.06	4.85	Pm+Pb	84.60	16.45
2	Inside	2965	2.85	0.01	0.79	-0.57	-0.04	-0.38	3.02	0.75	-0.12	3.13	Pm+Pb	84.60	26.00
	Middle	2967	0.62	-0.13	0.25	-0.40	-0.07	0.07	0.81	0.24	-0.31	1.12	Pm	58.08	50.94
	Outside	2969	-1.04	-0.22	-0.09	-0.18	0.04	0.45	0.10	-0.19	-1.25	1.35	Pm+Pb	84.60	61.74
3	Inside	3053	3.13	3.13	1.91	-3.21	-0.04	-0.04	6.35	1.91	-0.08	6.43	Pm+Pb	84.60	12.17
	Middle	3052	0.31	0.31	0.20	-0.27	-0.03	-0.03	0.59	0.22	0.03	0.55	Pm	58.08	103.86
	Outside	3051	-1.72	-1.72	-1.03	1.85	-0.04	-0.04	0.13	-1.03	-3.56	3.70	Pm+Pb	84.60	21.88
4	Inside	11529	0.01	2.85	0.79	-0.57	-0.38	-0.04	3.02	0.75	-0.12	3.13	Pm+Pb	84.60	26.00
	Middle	11531	-0.13	0.62	0.25	-0.40	0.07	-0.07	0.81	0.24	-0.31	1.12	Pm	58.08	50.94
	Outside	11533	-0.22	-1.04	-0.09	-0.18	0.45	0.04	0.10	-0.19	-1.25	1.35	Pm+Pb	84.60	61.74
5	Inside	11312	-0.08	-3.44	-1.54	0.00	0.00	0.03	-0.08	-1.54	-3.44	3.36	Pm+Pb	84.60	24.16
	Middle	11319	-0.01	0.74	0.42	0.00	0.00	0.03	0.74	0.43	-0.01	0.76	Pm	58.08	75.76
	Outside	11326	0.06	4.91	2.38	0.00	0.00	0.00	4.91	2.38	0.06	4.84	Pm+Pb	84.60	16.46
6	Inside	28657	0.01	2.85	0.79	0.57	0.38	-0.04	3.02	0.75	-0.12	3.13	Pm+Pb	84.60	26.00
	Middle	28659	-0.13	0.62	0.25	0.40	-0.07	-0.07	0.81	0.24	-0.31	1.12	Pm	58.08	50.94
	Outside	28661	-0.22	-1.04	-0.09	0.18	-0.45	0.04	0.10	-0.19	-1.25	1.35	Pm+Pb	84.60	61.74
7	Inside	20181	3.13	3.13	1.91	3.21	0.04	-0.04	6.35	1.91	-0.08	6.43	Pm+Pb	84.60	12.17
	Middle	20180	0.31	0.31	0.20	0.27	0.03	-0.03	0.59	0.22	0.03	0.55	Pm	58.08	103.86
	Outside	20179	-1.72	-1.72	-1.03	-1.85	0.04	-0.04	0.13	-1.03	-3.56	3.70	Pm+Pb	84.60	21.88
8	Inside	20093	2.85	0.01	0.79	0.57	0.04	-0.38	3.02	0.75	-0.12	3.13	Pm+Pb	84.60	26.00
	Middle	20095	0.62	-0.13	0.25	0.40	0.07	0.07	0.81	0.24	-0.31	1.12	Pm	58.08	50.94
	Outside	20097	-1.04	-0.22	-0.09	0.18	-0.04	0.45	0.10	-0.19	-1.25	1.35	Pm+Pb	84.60	61.74
9	Inside	19876	-3.44	-0.08	-1.54	0.02	-0.03	-0.04	-0.08	-1.54	-3.44	3.36	Pm+Pb	84.60	24.15
	Middle	19883	0.74	-0.01	0.42	0.03	-0.03	0.01	0.75	0.43	-0.01	0.76	Pm	58.08	75.48
	Outside	19890	4.91	0.06	2.38	0.07	0.00	0.06	4.91	2.38	0.06	4.85	Pm+Pb	84.60	16.45

2.10.6-270

TABLE 2.10.6-264 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - INTERNAL PRESSURE - FIRE TEST - 90.2 psig
(T= 780°F) SECTION C

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	-3.92	-0.06	-1.09	-0.03	0.00	0.00	-0.06	-1.09	-3.92	3.86	Pm+Pb	84.60	20.92
	Middle	2944	0.85	-0.05	0.35	-0.03	0.00	0.00	0.86	0.35	-0.05	0.90	Pm	58.08	63.35
	Outside	2951	5.63	-0.03	1.78	-0.03	0.00	0.00	5.63	1.78	-0.03	5.66	Pm+Pb	84.60	13.95
2	Inside	3019	3.49	0.05	1.16	-0.67	0.00	0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.86
	Middle	3021	0.67	0.05	0.32	-0.45	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.94
	Outside	3023	-1.49	0.07	-0.32	-0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.01
3	Inside	3188	3.56	3.56	2.22	-3.67	0.00	0.00	7.23	2.22	-0.11	7.34	Pm+Pb	84.60	10.53
	Middle	3187	0.26	0.26	0.27	-0.25	0.00	0.00	0.51	0.27	0.01	0.50	Pm	58.08	114.74
	Outside	3186	-2.05	-2.05	-1.10	2.17	0.00	0.00	0.12	-1.10	-4.22	4.34	Pm+Pb	84.60	18.50
4	Inside	11583	0.05	3.49	1.16	-0.67	0.01	0.00	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.86
	Middle	11585	0.05	0.67	0.32	-0.45	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.94
	Outside	11587	0.07	-1.49	-0.32	-0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.01
5	Inside	11501	-0.06	-3.92	-1.09	0.00	0.00	0.00	-0.06	-1.09	-3.92	3.86	Pm+Pb	84.60	20.92
	Middle	11508	-0.05	0.85	0.35	0.00	0.00	0.00	0.85	0.35	-0.05	0.90	Pm	58.08	63.54
	Outside	11515	-0.03	5.63	1.78	0.00	0.00	0.00	5.63	1.78	-0.03	5.66	Pm+Pb	84.60	13.95
6	Inside	28711	0.05	3.49	1.16	0.67	-0.01	0.00	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.86
	Middle	28713	0.05	0.67	0.32	0.45	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.94
	Outside	28715	0.07	-1.49	-0.32	0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.01
7	Inside	20316	3.56	3.56	2.22	3.67	0.00	0.00	7.23	2.22	-0.11	7.34	Pm+Pb	84.60	10.53
	Middle	20315	0.26	0.26	0.27	0.25	0.00	0.00	0.51	0.27	0.01	0.50	Pm	58.08	114.74
	Outside	20314	-2.05	-2.05	-1.10	-2.17	0.00	0.00	0.12	-1.10	-4.22	4.34	Pm+Pb	84.60	18.50
8	Inside	20147	3.49	0.05	1.16	0.67	0.00	0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.86
	Middle	20149	0.67	0.05	0.32	0.45	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.94
	Outside	20151	-1.49	0.07	-0.32	0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.01
9	Inside	20065	-3.92	-0.06	-1.09	0.03	0.00	0.00	-0.06	-1.09	-3.92	3.86	Pm+Pb	84.60	20.92
	Middle	20072	0.85	-0.05	0.35	0.03	0.00	0.00	0.86	0.35	-0.05	0.90	Pm	58.08	63.35
	Outside	20079	5.63	-0.03	1.78	0.03	0.00	0.00	5.63	1.78	-0.03	5.66	Pm+Pb	84.60	13.95

TABLE 2.10.6-265 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - INTERNAL PRESSURE - FIRE TEST - 90.2 psig
(T= 780°F) SECTION D

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	-3.91	-0.06	-1.09	-0.03	0.00	0.00	-0.06	-1.09	-3.91	3.86	Pm+Pb	84.60	20.93
	Middle	3406	0.85	-0.05	0.35	-0.03	0.00	0.00	0.86	0.35	-0.05	0.90	Pm	58.08	63.35
	Outside	3413	5.62	-0.03	1.78	-0.03	0.00	0.00	5.62	1.78	-0.03	5.66	Pm+Pb	84.60	13.96
2	Inside	3481	3.49	0.05	1.16	-0.67	0.00	-0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.87
	Middle	3483	0.67	0.05	0.32	-0.45	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.95
	Outside	3485	-1.49	0.07	-0.32	-0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.06
3	Inside	3650	3.56	3.56	2.22	-3.67	0.00	0.00	7.22	2.22	-0.11	7.33	Pm+Pb	84.60	10.54
	Middle	3649	0.26	0.26	0.27	-0.25	0.00	0.00	0.51	0.27	0.01	0.50	Pm	58.08	114.95
	Outside	3648	-2.05	-2.05	-1.10	2.17	0.00	0.00	0.12	-1.10	-4.22	4.34	Pm+Pb	84.60	18.51
4	Inside	12045	0.05	3.49	1.16	-0.67	-0.01	0.00	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.87
	Middle	12047	0.05	0.67	0.32	-0.45	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.95
	Outside	12049	0.07	-1.49	-0.32	-0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.06
5	Inside	11963	-0.06	-3.91	-1.09	0.00	0.00	0.00	-0.06	-1.09	-3.91	3.86	Pm+Pb	84.60	20.94
	Middle	11970	-0.05	0.85	0.35	0.00	0.00	0.00	0.85	0.35	-0.05	0.90	Pm	58.08	63.54
	Outside	11977	-0.03	5.62	1.78	0.00	0.00	0.00	5.62	1.78	-0.03	5.66	Pm+Pb	84.60	13.96
6	Inside	29173	0.05	3.49	1.16	0.67	0.01	0.00	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.87
	Middle	29175	0.05	0.67	0.32	0.45	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.95
	Outside	29177	0.07	-1.49	-0.32	0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.06
7	Inside	20778	3.56	3.56	2.22	3.67	0.00	0.00	7.22	2.22	-0.11	7.33	Pm+Pb	84.60	10.54
	Middle	20777	0.26	0.26	0.27	0.25	0.00	0.00	0.51	0.27	0.01	0.50	Pm	58.08	114.95
	Outside	20776	-2.05	-2.05	-1.10	-2.17	0.00	0.00	0.12	-1.10	-4.22	4.34	Pm+Pb	84.60	18.51
8	Inside	20609	3.49	0.05	1.16	0.67	0.00	-0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.87
	Middle	20611	0.67	0.05	0.32	0.45	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.95
	Outside	20613	-1.49	0.07	-0.32	0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.06
9	Inside	20527	-3.91	-0.06	-1.09	0.03	0.00	0.00	-0.06	-1.09	-3.91	3.86	Pm+Pb	84.60	20.93
	Middle	20534	0.85	-0.05	0.35	0.03	0.00	0.00	0.86	0.35	-0.05	0.90	Pm	58.08	63.35
	Outside	20541	5.62	-0.03	1.78	0.03	0.00	0.00	5.62	1.78	-0.03	5.66	Pm+Pb	84.60	13.96

2.10.6-272

TABLE 2.10.6-266 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - INTERNAL PRESSURE - FIRE TEST - 90.2 psig
(T= 780°F) SECTION E

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	-3.93	-0.06	-1.09	-0.03	0.00	0.00	-0.06	-1.09	-3.93	3.87	Pm+Pb	84.60	20.84
	Middle	3868	0.84	-0.05	0.35	-0.03	0.00	0.00	0.85	0.35	-0.05	0.89	Pm	58.08	64.08
	Outside	3875	5.62	-0.03	1.78	-0.03	0.00	0.00	5.62	1.78	-0.03	5.65	Pm+Pb	84.60	13.97
2	Inside	3943	3.49	0.05	1.16	-0.67	0.00	0.00	3.61	1.16	-0.08	3.69	Pm+Pb	84.60	21.91
	Middle	3945	0.67	0.05	0.32	-0.45	0.00	0.00	0.91	0.32	-0.19	1.09	Pm	58.08	52.04
	Outside	3947	-1.49	0.07	-0.32	-0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.03
3	Inside	4112	3.54	3.54	2.19	-3.68	0.00	0.00	7.23	2.19	-0.14	7.37	Pm+Pb	84.60	10.48
	Middle	4111	0.26	0.26	0.28	-0.26	0.00	0.00	0.52	0.28	0.00	0.52	Pm	58.08	110.79
	Outside	4110	-2.06	-2.06	-1.08	2.17	0.00	0.00	0.11	-1.08	-4.23	4.34	Pm+Pb	84.60	18.51
4	Inside	12507	0.05	3.49	1.16	-0.67	0.00	0.00	3.61	1.16	-0.08	3.69	Pm+Pb	84.60	21.91
	Middle	12509	0.05	0.67	0.32	-0.45	0.00	0.00	0.91	0.32	-0.19	1.09	Pm	58.08	52.04
	Outside	12511	0.07	-1.49	-0.32	-0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.03
5	Inside	12425	-0.06	-3.93	-1.09	0.00	0.00	0.00	-0.06	-1.09	-3.93	3.87	Pm+Pb	84.60	20.85
	Middle	12432	-0.05	0.84	0.35	0.00	0.00	0.00	0.84	0.35	-0.05	0.89	Pm	58.08	64.27
	Outside	12439	-0.03	5.62	1.78	0.00	0.00	0.00	5.62	1.78	-0.03	5.65	Pm+Pb	84.60	13.97
6	Inside	29635	0.05	3.49	1.16	0.67	0.00	0.00	3.61	1.16	-0.08	3.69	Pm+Pb	84.60	21.91
	Middle	29637	0.05	0.67	0.32	0.45	0.00	0.00	0.91	0.32	-0.19	1.09	Pm	58.08	52.04
	Outside	29639	0.07	-1.49	-0.32	0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.03
7	Inside	21240	3.54	3.54	2.19	3.68	0.00	0.00	7.23	2.19	-0.14	7.37	Pm+Pb	84.60	10.48
	Middle	21239	0.26	0.26	0.28	0.26	0.00	0.00	0.52	0.28	0.00	0.52	Pm	58.08	110.79
	Outside	21238	-2.06	-2.06	-1.08	-2.17	0.00	0.00	0.11	-1.08	-4.23	4.34	Pm+Pb	84.60	18.51
8	Inside	21071	3.49	0.05	1.16	0.67	0.00	0.00	3.61	1.16	-0.08	3.69	Pm+Pb	84.60	21.91
	Middle	21073	0.67	0.05	0.32	0.45	0.00	0.00	0.91	0.32	-0.19	1.09	Pm	58.08	52.04
	Outside	21075	-1.49	0.07	-0.32	0.28	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.03
9	Inside	20989	-3.93	-0.06	-1.09	0.03	0.00	0.00	-0.06	-1.09	-3.93	3.87	Pm+Pb	84.60	20.84
	Middle	20996	0.84	-0.05	0.35	0.03	0.00	0.00	0.85	0.35	-0.05	0.89	Pm	58.08	64.08
	Outside	21003	5.62	-0.03	1.78	0.03	0.00	0.00	5.62	1.78	-0.03	5.65	Pm+Pb	84.60	13.97

**TABLE 2.10.6-267 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - INTERNAL PRESSURE - FIRE TEST -
90.2 psig (T= 780°F) SECTION A**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	1.64	-0.05	0.35	-0.20	-0.06	0.06	1.66	0.36	-0.08	1.74	Pm+Pb	84.60	47.56
	Middle	10029	0.09	0.06	-0.08	-0.04	-0.09	-0.03	0.13	0.08	-0.14	0.26	Pm	58.08	218.99
	Outside	10028	-1.04	0.11	-0.42	0.08	-0.09	-0.10	0.13	-0.42	-1.06	1.19	Pm+Pb	84.60	70.08
4	Inside	9981	0.73	0.29	1.02	-0.52	-0.31	0.55	1.69	0.42	-0.06	1.74	Pm+Pb	84.60	47.52
	Middle	9983	0.17	-0.01	0.23	-0.12	0.10	0.00	0.29	0.19	-0.09	0.38	Pm	58.08	152.19
	Outside	9985	-0.26	-0.24	-0.51	0.24	0.52	-0.58	0.27	-0.01	-1.28	1.55	Pm+Pb	84.60	53.59
5	Inside	1383	0.18	0.18	2.26	-0.11	0.37	0.37	2.37	0.29	-0.05	2.42	Pm+Pb	84.60	33.90
	Middle	1390	0.36	0.36	0.72	-0.37	0.21	0.21	0.82	0.73	-0.12	0.94	Pm	58.08	60.48
	Outside	1397	0.60	0.60	-0.78	-0.64	0.15	0.15	1.24	0.01	-0.84	2.07	Pm+Pb	84.60	39.81
6	Inside	1417	0.29	0.73	1.02	-0.52	0.55	-0.31	1.69	0.42	-0.06	1.74	Pm+Pb	84.60	47.52
	Middle	1419	-0.01	0.17	0.23	-0.12	0.00	0.10	0.29	0.19	-0.09	0.38	Pm	58.08	152.19
	Outside	1421	-0.24	-0.26	-0.51	0.24	-0.58	0.52	0.27	-0.01	-1.28	1.55	Pm+Pb	84.60	53.59
7	Inside	1466	-0.05	1.64	0.35	0.00	0.00	-0.06	1.64	0.36	-0.06	1.70	Pm+Pb	84.60	48.88
	Middle	1465	0.06	0.09	-0.08	0.00	0.00	-0.09	0.10	0.09	-0.13	0.23	Pm	58.08	248.78
	Outside	1464	0.11	-1.04	-0.42	0.00	0.00	-0.09	0.12	-0.44	-1.04	1.16	Pm+Pb	84.60	71.78
8	Inside	18545	0.29	0.73	1.02	0.52	-0.55	-0.31	1.69	0.42	-0.06	1.74	Pm+Pb	84.60	47.52
	Middle	18547	-0.01	0.17	0.23	0.12	0.00	0.10	0.29	0.19	-0.09	0.38	Pm	58.08	152.19
	Outside	18549	-0.24	-0.26	-0.51	-0.24	0.58	0.52	0.27	-0.01	-1.28	1.55	Pm+Pb	84.60	53.59
9	Inside	18511	0.18	0.18	2.26	0.11	-0.37	0.37	2.37	0.29	-0.05	2.42	Pm+Pb	84.60	33.90
	Middle	18518	0.36	0.36	0.72	0.37	-0.21	0.21	0.82	0.73	-0.12	0.94	Pm	58.08	60.48
	Outside	18525	0.60	0.60	-0.78	0.64	-0.15	0.15	1.24	0.01	-0.84	2.07	Pm+Pb	84.60	39.81
10	Inside	27109	0.73	0.29	1.02	0.52	0.31	0.55	1.69	0.42	-0.06	1.74	Pm+Pb	84.60	47.52
	Middle	27111	0.17	-0.01	0.23	0.12	-0.10	0.00	0.29	0.19	-0.09	0.38	Pm	58.08	152.19
	Outside	27113	-0.26	-0.24	-0.51	-0.24	-0.52	-0.58	0.27	-0.01	-1.28	1.55	Pm+Pb	84.60	53.59
11	Inside	27158	1.64	-0.05	0.35	0.20	0.06	0.06	1.66	0.36	-0.08	1.74	Pm+Pb	84.60	47.56
	Middle	27157	0.09	0.06	-0.08	0.04	0.09	-0.03	0.13	0.08	-0.14	0.26	Pm	58.08	218.99
	Outside	27156	-1.04	0.11	-0.42	-0.08	0.09	-0.10	0.13	-0.42	-1.06	1.19	Pm+Pb	84.60	70.08

2.10.6-274

**TABLE 2.10.6-268 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - INTERNAL PRESSURE - FIRE TEST -
90.2 psig (T= 780°F) SECTION B**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	6.35	-0.08	1.91	-0.65	-0.06	0.03	6.41	1.91	-0.14	6.56	Pm+Pb	84.60	11.91
	Middle	11616	0.59	0.04	0.20	-0.06	-0.05	-0.02	0.59	0.22	0.03	0.57	Pm	58.08	101.52
	Outside	11615	-3.56	0.13	-1.03	0.36	-0.05	-0.06	0.17	-1.03	-3.60	3.77	Pm+Pb	84.60	21.44
4	Inside	11529	2.00	0.85	0.79	-1.42	-0.29	0.24	3.02	0.75	-0.12	3.13	Pm+Pb	84.60	26.00
	Middle	11531	0.65	-0.15	0.25	-0.38	0.00	-0.10	0.81	0.24	-0.31	1.12	Pm	58.08	50.94
	Outside	11533	-0.45	-0.81	-0.09	0.41	0.35	-0.29	0.10	-0.19	-1.25	1.35	Pm+Pb	84.60	61.75
5	Inside	2748	-1.76	-1.76	-1.54	1.68	0.02	0.02	-0.08	-1.54	-3.44	3.36	Pm+Pb	84.60	24.16
	Middle	2755	0.37	0.37	0.42	-0.38	0.02	0.02	0.74	0.43	-0.01	0.76	Pm	58.08	75.76
	Outside	2762	2.49	2.49	2.38	-2.42	0.00	0.00	4.91	2.38	0.06	4.84	Pm+Pb	84.60	16.46
6	Inside	2965	0.85	2.00	0.79	-1.42	0.24	-0.29	3.02	0.75	-0.12	3.13	Pm+Pb	84.60	26.00
	Middle	2967	-0.15	0.65	0.25	-0.38	-0.10	0.00	0.81	0.24	-0.31	1.12	Pm	58.08	50.94
	Outside	2969	-0.81	-0.45	-0.09	0.41	-0.29	0.35	0.10	-0.19	-1.25	1.35	Pm+Pb	84.60	61.75
7	Inside	3053	-0.08	6.35	1.91	0.00	0.00	-0.06	6.35	1.91	-0.08	6.42	Pm+Pb	84.60	12.17
	Middle	3052	0.04	0.59	0.20	0.00	0.00	-0.05	0.59	0.22	0.03	0.55	Pm	58.08	103.86
	Outside	3051	0.13	-3.56	-1.03	0.00	0.00	-0.05	0.13	-1.03	-3.56	3.70	Pm+Pb	84.60	21.88
8	Inside	20093	0.85	2.00	0.79	1.42	-0.24	-0.29	3.02	0.75	-0.12	3.13	Pm+Pb	84.60	26.00
	Middle	20095	-0.15	0.65	0.25	0.38	0.10	0.00	0.81	0.24	-0.31	1.12	Pm	58.08	50.94
	Outside	20097	-0.81	-0.45	-0.09	-0.41	0.29	0.35	0.10	-0.19	-1.25	1.35	Pm+Pb	84.60	61.75
9	Inside	19876	-1.76	-1.76	-1.54	-1.68	-0.02	0.02	-0.08	-1.54	-3.44	3.36	Pm+Pb	84.60	24.16
	Middle	19883	0.37	0.37	0.42	0.38	-0.02	0.02	0.74	0.43	-0.01	0.76	Pm	58.08	75.76
	Outside	19890	2.49	2.49	2.38	2.42	0.00	0.00	4.91	2.38	0.06	4.84	Pm+Pb	84.60	16.46
10	Inside	28657	2.00	0.85	0.79	1.42	0.29	0.24	3.02	0.75	-0.12	3.13	Pm+Pb	84.60	26.00
	Middle	28659	0.65	-0.15	0.25	0.38	0.00	-0.10	0.81	0.24	-0.31	1.12	Pm	58.08	50.94
	Outside	28661	-0.45	-0.81	-0.09	-0.41	-0.35	-0.29	0.10	-0.19	-1.25	1.35	Pm+Pb	84.60	61.75
11	Inside	28745	6.35	-0.08	1.91	0.65	0.06	0.03	6.41	1.91	-0.14	6.56	Pm+Pb	84.60	11.91
	Middle	28744	0.59	0.04	0.20	0.06	0.05	-0.02	0.59	0.22	0.03	0.57	Pm	58.08	101.52
	Outside	28743	-3.56	0.13	-1.03	-0.36	0.05	-0.06	0.17	-1.03	-3.60	3.77	Pm+Pb	84.60	21.44

2.10.6-275

**TABLE 2.10.6-269 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - INTERNAL PRESSURE - FIRE TEST -
90.2 psig (T= 780°F) SECTION C**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	7.23	-0.11	2.22	-0.78	0.00	0.00	7.31	2.22	-0.19	7.50	Pm+Pb	84.60	10.28
	Middle	11751	0.51	0.01	0.27	-0.07	0.00	0.00	0.52	0.27	0.00	0.52	Pm	58.08	110.52
	Outside	11750	-4.22	0.12	-1.10	0.44	0.00	0.00	0.16	-1.10	-4.27	4.43	Pm+Pb	84.60	18.11
4	Inside	11583	2.45	1.10	1.16	-1.72	0.01	-0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.86
	Middle	11585	0.81	-0.09	0.32	-0.31	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.94
	Outside	11587	-0.43	-0.99	-0.32	0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.01
5	Inside	2937	-1.99	-1.99	-1.09	1.93	0.00	0.00	-0.06	-1.09	-3.92	3.86	Pm+Pb	84.60	20.92
	Middle	2944	0.40	0.40	0.35	-0.45	0.00	0.00	0.85	0.35	-0.05	0.90	Pm	58.08	63.55
	Outside	2951	2.80	2.80	1.78	-2.83	0.00	0.00	5.63	1.78	-0.03	5.66	Pm+Pb	84.60	13.95
6	Inside	3019	1.10	2.45	1.16	-1.72	-0.01	0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.86
	Middle	3021	-0.09	0.81	0.32	-0.31	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.94
	Outside	3023	-0.99	-0.43	-0.32	0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.01
7	Inside	3188	-0.11	7.23	2.22	0.00	0.00	0.00	7.23	2.22	-0.11	7.34	Pm+Pb	84.60	10.53
	Middle	3187	0.01	0.51	0.27	0.00	0.00	0.00	0.51	0.27	0.01	0.50	Pm	58.08	114.74
	Outside	3186	0.12	-4.22	-1.10	0.00	0.00	0.00	0.12	-1.10	-4.22	4.34	Pm+Pb	84.60	18.50
8	Inside	20147	1.10	2.45	1.16	1.72	0.01	0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.86
	Middle	20149	-0.09	0.81	0.32	0.31	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.94
	Outside	20151	-0.99	-0.43	-0.32	-0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.01
9	Inside	20065	-1.99	-1.99	-1.09	-1.93	0.00	0.00	-0.06	-1.09	-3.92	3.86	Pm+Pb	84.60	20.92
	Middle	20072	0.40	0.40	0.35	0.45	0.00	0.00	0.85	0.35	-0.05	0.90	Pm	58.08	63.55
	Outside	20079	2.80	2.80	1.78	2.83	0.00	0.00	5.63	1.78	-0.03	5.66	Pm+Pb	84.60	13.95
10	Inside	28711	2.45	1.10	1.16	1.72	-0.01	-0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.86
	Middle	28713	0.81	-0.09	0.32	0.31	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.94
	Outside	28715	-0.43	-0.99	-0.32	-0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.01
11	Inside	28880	7.23	-0.11	2.22	0.78	0.00	0.00	7.31	2.22	-0.19	7.50	Pm+Pb	84.60	10.28
	Middle	28879	0.51	0.01	0.27	0.07	0.00	0.00	0.52	0.27	0.00	0.52	Pm	58.08	110.52
	Outside	28878	-4.22	0.12	-1.10	-0.44	0.00	0.00	0.16	-1.10	-4.27	4.43	Pm+Pb	84.60	18.11

2.10.6-276

**TABLE 2.10.6-270 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - INTERNAL PRESSURE - FIRE TEST -
90.2 psig (T= 780°F) SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	7.22	-0.11	2.22	-0.78	0.00	0.00	7.30	2.22	-0.19	7.50	Pm+Pb	84.60	10.29
	Middle	12213	0.51	0.01	0.27	-0.07	0.00	0.00	0.52	0.27	0.00	0.52	Pm	58.08	110.75
	Outside	12212	-4.22	0.12	-1.10	0.44	0.00	0.00	0.16	-1.10	-4.26	4.42	Pm+Pb	84.60	18.13
4	Inside	12045	2.44	1.10	1.16	-1.72	-0.01	0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.87
	Middle	12047	0.81	-0.09	0.32	-0.31	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.95
	Outside	12049	-0.43	-0.98	-0.32	0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.06
5	Inside	3399	-1.98	-1.98	-1.09	1.93	0.00	0.00	-0.06	-1.09	-3.91	3.86	Pm+Pb	84.60	20.94
	Middle	3406	0.40	0.40	0.35	-0.45	0.00	0.00	0.85	0.35	-0.05	0.90	Pm	58.08	63.54
	Outside	3413	2.79	2.79	1.78	-2.83	0.00	0.00	5.62	1.78	-0.03	5.66	Pm+Pb	84.60	13.96
6	Inside	3481	1.10	2.44	1.16	-1.72	0.01	-0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.87
	Middle	3483	-0.09	0.81	0.32	-0.31	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.95
	Outside	3485	-0.98	-0.43	-0.32	0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.06
7	Inside	3650	-0.11	7.22	2.22	0.00	0.00	0.00	7.22	2.22	-0.11	7.33	Pm+Pb	84.60	10.54
	Middle	3649	0.01	0.51	0.27	0.00	0.00	0.00	0.51	0.27	0.01	0.50	Pm	58.08	114.95
	Outside	3648	0.12	-4.22	-1.10	0.00	0.00	0.00	0.12	-1.10	-4.22	4.34	Pm+Pb	84.60	18.51
8	Inside	20609	1.10	2.44	1.16	1.72	-0.01	-0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.87
	Middle	20611	-0.09	0.81	0.32	0.31	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.95
	Outside	20613	-0.98	-0.43	-0.32	-0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.06
9	Inside	20527	-1.98	-1.98	-1.09	-1.93	0.00	0.00	-0.06	-1.09	-3.91	3.86	Pm+Pb	84.60	20.94
	Middle	20534	0.40	0.40	0.35	0.45	0.00	0.00	0.85	0.35	-0.05	0.90	Pm	58.08	63.54
	Outside	20541	2.79	2.79	1.78	2.83	0.00	0.00	5.62	1.78	-0.03	5.66	Pm+Pb	84.60	13.96
10	Inside	29173	2.44	1.10	1.16	1.72	0.01	0.01	3.62	1.16	-0.08	3.70	Pm+Pb	84.60	21.87
	Middle	29175	0.81	-0.09	0.32	0.31	0.00	0.00	0.91	0.32	-0.19	1.10	Pm	58.08	51.95
	Outside	29177	-0.43	-0.98	-0.32	-0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.06
11	Inside	29342	7.22	-0.11	2.22	0.78	0.00	0.00	7.30	2.22	-0.19	7.50	Pm+Pb	84.60	10.29
	Middle	29341	0.51	0.01	0.27	0.07	0.00	0.00	0.52	0.27	0.00	0.52	Pm	58.08	110.75
	Outside	29340	-4.22	0.12	-1.10	-0.44	0.00	0.00	0.16	-1.10	-4.26	4.42	Pm+Pb	84.60	18.13

TABLE 2.10.6-271 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - INTERNAL PRESSURE - FIRE TEST - 90.2 psig (T= 780°F) SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	7.23	-0.14	2.19	-0.79	0.01	0.00	7.31	2.19	-0.23	7.54	Pm+Pb	84.60	10.22
	Middle	12675	0.52	0.00	0.28	-0.08	0.00	0.00	0.53	0.28	-0.01	0.54	Pm	58.08	106.24
	Outside	12674	-4.23	0.11	-1.08	0.43	0.00	0.00	0.15	-1.08	-4.27	4.42	Pm+Pb	84.60	18.13
4	Inside	12507	2.44	1.09	1.16	-1.72	0.00	0.00	3.61	1.16	-0.08	3.69	Pm+Pb	84.60	21.91
	Middle	12509	0.81	-0.09	0.32	-0.31	0.00	0.00	0.91	0.32	-0.19	1.09	Pm	58.08	52.04
	Outside	12511	-0.43	-0.99	-0.32	0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.03
5	Inside	3861	-1.99	-1.99	-1.09	1.94	0.00	0.00	-0.06	-1.09	-3.93	3.87	Pm+Pb	84.60	20.85
	Middle	3868	0.40	0.40	0.35	-0.44	0.00	0.00	0.84	0.35	-0.05	0.89	Pm	58.08	64.27
	Outside	3875	2.79	2.79	1.78	-2.83	0.00	0.00	5.62	1.78	-0.03	5.65	Pm+Pb	84.60	13.97
6	Inside	3943	1.09	2.44	1.16	-1.72	0.00	0.00	3.61	1.16	-0.08	3.69	Pm+Pb	84.60	21.91
	Middle	3945	-0.09	0.81	0.32	-0.31	0.00	0.00	0.91	0.32	-0.19	1.09	Pm	58.08	52.04
	Outside	3947	-0.99	-0.43	-0.32	0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.03
7	Inside	4112	-0.14	7.23	2.19	0.00	0.00	0.01	7.23	2.19	-0.14	7.37	Pm+Pb	84.60	10.48
	Middle	4111	0.00	0.52	0.28	0.00	0.00	0.00	0.52	0.28	0.00	0.52	Pm	58.08	110.79
	Outside	4110	0.11	-4.23	-1.08	0.00	0.00	0.00	0.11	-1.08	-4.23	4.34	Pm+Pb	84.60	18.51
8	Inside	21071	1.09	2.44	1.16	1.72	0.00	0.00	3.61	1.16	-0.08	3.69	Pm+Pb	84.60	21.91
	Middle	21073	-0.09	0.81	0.32	0.31	0.00	0.00	0.91	0.32	-0.19	1.09	Pm	58.08	52.04
	Outside	21075	-0.99	-0.43	-0.32	-0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.03
9	Inside	20989	-1.99	-1.99	-1.09	-1.94	0.00	0.00	-0.06	-1.09	-3.93	3.87	Pm+Pb	84.60	20.85
	Middle	20996	0.40	0.40	0.35	0.44	0.00	0.00	0.84	0.35	-0.05	0.89	Pm	58.08	64.27
	Outside	21003	2.79	2.79	1.78	2.83	0.00	0.00	5.62	1.78	-0.03	5.65	Pm+Pb	84.60	13.97
10	Inside	29635	2.44	1.09	1.16	1.72	0.00	0.00	3.61	1.16	-0.08	3.69	Pm+Pb	84.60	21.91
	Middle	29637	0.81	-0.09	0.32	0.31	0.00	0.00	0.91	0.32	-0.19	1.09	Pm	58.08	52.04
	Outside	29639	-0.43	-0.99	-0.32	-0.78	0.00	0.00	0.12	-0.32	-1.54	1.66	Pm+Pb	84.60	50.03
11	Inside	29804	7.23	-0.14	2.19	0.79	-0.01	0.00	7.31	2.19	-0.23	7.54	Pm+Pb	84.60	10.22
	Middle	29803	0.52	0.00	0.28	0.08	0.00	0.00	0.53	0.28	-0.01	0.54	Pm	58.08	106.24
	Outside	29802	-4.23	0.11	-1.08	-0.43	0.00	0.00	0.15	-1.08	-4.27	4.42	Pm+Pb	84.60	18.13

2.10.6-278

TABLE 2.10.6-272 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - BASE CASE EXTERNAL PRESSURE OF 290 psi
(T= 200°F) SECTION A

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	1383	-0.85	-0.60	-6.61	-0.06	-1.59	0.24	-0.19	-0.86	-7.01	6.82	Pm+Pb	99.95	13.65
	Middle	1390	-1.89	-0.41	-1.85	-0.09	-0.88	-0.01	0.01	-1.89	-2.28	2.29	Pm	69.65	29.42
	Outside	1397	-3.13	-0.33	2.48	-0.09	-0.65	-0.29	2.64	-0.46	-3.15	5.78	Pm+Pb	99.95	16.28
2	Inside	1417	-2.92	-0.23	-2.05	0.62	-0.24	2.54	0.22	-0.28	-5.15	5.37	Pm+Pb	99.95	17.63
	Middle	1419	-1.24	-0.27	-0.63	0.27	-0.07	-0.21	-0.17	-0.62	-1.35	1.18	Pm	69.65	57.89
	Outside	1421	0.14	-0.33	0.59	0.08	0.22	-2.83	3.21	-0.32	-2.49	5.70	Pm+Pb	99.95	16.52
3	Inside	1466	-2.64	-2.64	-1.47	2.55	0.23	0.23	-0.02	-1.54	-5.18	5.17	Pm+Pb	99.95	18.34
	Middle	1465	-0.60	-0.60	-0.80	0.20	0.25	0.25	-0.20	-0.80	-1.00	0.81	Pm	69.65	85.47
	Outside	1464	0.92	0.92	-0.49	-1.49	0.24	0.24	2.41	-0.19	-0.86	3.27	Pm+Pb	99.95	29.53
4	Inside	9981	-0.23	-2.92	-2.05	0.62	2.54	-0.24	0.22	-0.28	-5.15	5.37	Pm+Pb	99.95	17.63
	Middle	9983	-0.27	-1.24	-0.63	0.27	-0.21	-0.07	-0.17	-0.62	-1.35	1.18	Pm	69.65	57.89
	Outside	9985	-0.33	0.14	0.59	0.08	-2.83	0.22	3.21	-0.32	-2.49	5.70	Pm+Pb	99.95	16.52
5	Inside	9947	-0.60	-0.85	-6.61	0.00	0.00	-1.59	-0.21	-0.85	-7.00	6.79	Pm+Pb	99.95	13.71
	Middle	9954	-0.41	-1.89	-1.85	0.00	0.00	-0.88	0.01	-1.89	-2.27	2.28	Pm	69.65	29.54
	Outside	9961	-0.33	-3.13	2.48	0.00	0.00	-0.65	2.62	-0.47	-3.13	5.75	Pm+Pb	99.95	16.38
6	Inside	27109	-0.23	-2.92	-2.05	-0.62	-2.54	-0.24	0.22	-0.28	-5.15	5.37	Pm+Pb	99.95	17.63
	Middle	27111	-0.27	-1.24	-0.63	-0.27	0.21	-0.07	-0.17	-0.62	-1.35	1.18	Pm	69.65	57.89
	Outside	27113	-0.33	0.14	0.59	-0.08	2.83	0.22	3.21	-0.32	-2.49	5.70	Pm+Pb	99.95	16.52
7	Inside	18594	-2.64	-2.64	-1.47	-2.55	-0.23	0.23	-0.02	-1.54	-5.18	5.17	Pm+Pb	99.95	18.34
	Middle	18593	-0.60	-0.60	-0.80	-0.20	-0.25	0.25	-0.20	-0.80	-1.00	0.81	Pm	69.65	85.47
	Outside	18592	0.92	0.92	-0.49	1.49	-0.24	0.24	2.41	-0.19	-0.86	3.27	Pm+Pb	99.95	29.53
8	Inside	18545	-2.92	-0.23	-2.05	-0.62	0.24	2.54	0.22	-0.28	-5.15	5.37	Pm+Pb	99.95	17.63
	Middle	18547	-1.24	-0.27	-0.63	-0.27	0.07	-0.21	-0.17	-0.62	-1.35	1.18	Pm	69.65	57.89
	Outside	18549	0.14	-0.33	0.59	-0.08	-0.22	-2.83	3.21	-0.32	-2.49	5.70	Pm+Pb	99.95	16.52
9	Inside	18511	-0.85	-0.60	-6.61	0.06	1.59	0.24	-0.19	-0.86	-7.01	6.82	Pm+Pb	99.95	13.65
	Middle	18518	-1.89	-0.41	-1.85	0.09	0.88	-0.01	0.01	-1.89	-2.28	2.29	Pm	69.65	29.42
	Outside	18525	-3.13	-0.33	2.48	0.09	0.65	-0.29	2.64	-0.46	-3.15	5.78	Pm+Pb	99.95	16.28

TABLE 2.10.6-273 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - BASE CASE EXTERNAL PRESSURE OF 290 psi
(T= 200°F) SECTION B

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2748	11.14	-0.05	5.08	0.08	-0.08	0.15	11.14	5.08	-0.05	11.19	Pm+Pb	99.95	7.93
	Middle	2755	-2.49	-0.26	-1.44	0.10	-0.11	-0.01	-0.24	-1.45	-2.49	2.25	Pm	69.65	29.96
	Outside	2762	-16.06	-0.50	-7.93	0.24	-0.01	-0.19	-0.50	-7.92	-16.06	15.57	Pm+Pb	99.95	5.42
2	Inside	2965	-8.88	-0.32	-2.71	1.83	0.12	1.40	0.12	-2.51	-9.53	9.64	Pm+Pb	99.95	9.36
	Middle	2967	-2.01	0.12	-1.09	1.29	0.22	-0.15	0.74	-1.07	-2.65	3.39	Pm	69.65	19.55
	Outside	2969	3.10	0.41	-0.09	0.59	-0.12	-1.46	3.77	0.32	-0.67	4.43	Pm+Pb	99.95	21.54
3	Inside	3053	-11.37	-11.37	-7.22	10.32	0.13	0.13	-1.05	-7.22	-21.68	20.64	Pm+Pb	99.95	3.84
	Middle	3052	-1.44	-1.44	-1.13	0.41	0.10	0.10	-0.92	-1.23	-1.85	0.93	Pm	69.65	74.10
	Outside	3051	5.70	5.70	3.28	-6.66	0.11	0.11	12.36	3.29	-0.97	13.33	Pm+Pb	99.95	6.50
4	Inside	11529	-0.32	-8.88	-2.71	1.83	1.40	0.12	0.12	-2.51	-9.53	9.64	Pm+Pb	99.95	9.36
	Middle	11531	0.12	-2.01	-1.09	1.29	-0.15	0.22	0.74	-1.07	-2.65	3.39	Pm	69.65	19.55
	Outside	11533	0.41	3.10	-0.09	0.59	-1.46	-0.12	3.77	0.32	-0.67	4.43	Pm+Pb	99.95	21.54
5	Inside	11312	-0.05	11.14	5.08	0.00	0.00	-0.08	11.14	5.08	-0.05	11.18	Pm+Pb	99.95	7.94
	Middle	11319	-0.26	-2.49	-1.44	0.00	0.00	-0.11	-0.25	-1.45	-2.49	2.24	Pm	69.65	30.08
	Outside	11326	-0.50	-16.06	-7.93	0.00	0.00	-0.01	-0.50	-7.93	-16.06	15.56	Pm+Pb	99.95	5.42
6	Inside	28657	-0.32	-8.88	-2.71	-1.83	-1.40	0.12	0.12	-2.51	-9.53	9.64	Pm+Pb	99.95	9.36
	Middle	28659	0.12	-2.01	-1.09	-1.29	0.15	0.22	0.74	-1.07	-2.65	3.39	Pm	69.65	19.55
	Outside	28661	0.41	3.10	-0.09	-0.59	1.46	-0.12	3.77	0.32	-0.67	4.43	Pm+Pb	99.95	21.54
7	Inside	20181	-11.37	-11.37	-7.22	-10.32	-0.13	0.13	-1.05	-7.22	-21.68	20.64	Pm+Pb	99.95	3.84
	Middle	20180	-1.44	-1.44	-1.13	-0.41	-0.10	0.10	-0.92	-1.23	-1.85	0.93	Pm	69.65	74.10
	Outside	20179	5.70	5.70	3.28	6.66	-0.11	0.11	12.36	3.29	-0.97	13.33	Pm+Pb	99.95	6.50
8	Inside	20093	-8.88	-0.32	-2.71	-1.83	-0.12	1.40	0.12	-2.51	-9.53	9.64	Pm+Pb	99.95	9.36
	Middle	20095	-2.01	0.12	-1.09	-1.29	-0.22	-0.15	0.74	-1.07	-2.65	3.39	Pm	69.65	19.55
	Outside	20097	3.10	0.41	-0.09	-0.59	0.12	-1.46	3.77	0.32	-0.67	4.43	Pm+Pb	99.95	21.54
9	Inside	19876	11.14	-0.05	5.08	-0.08	0.08	0.15	11.14	5.08	-0.05	11.19	Pm+Pb	99.95	7.93
	Middle	19883	-2.49	-0.26	-1.44	-0.10	0.11	-0.01	-0.24	-1.45	-2.49	2.25	Pm	69.65	29.96
	Outside	19890	-16.06	-0.50	-7.93	-0.24	0.01	-0.19	-0.50	-7.92	-16.06	15.57	Pm+Pb	99.95	5.42

**TABLE 2.10.6-274 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - BASE CASE EXTERNAL PRESSURE OF 290 psi
(T= 200°F) SECTION C**

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	2937	12.99	-0.11	3.38	0.11	0.00	0.00	12.99	3.38	-0.11	13.10	Pm+Pb	99.95	6.63
	Middle	2944	-2.64	-0.15	-1.31	0.11	0.00	0.00	-0.14	-1.31	-2.65	2.51	Pm	69.65	26.79
	Outside	2951	-18.27	-0.18	-6.01	0.11	0.00	0.00	-0.18	-6.01	-18.27	18.09	Pm+Pb	99.95	4.53
2	Inside	3019	-10.84	-0.44	-3.86	2.16	0.00	-0.01	-0.01	-3.86	-11.27	11.25	Pm+Pb	99.95	7.88
	Middle	3021	-2.05	-0.44	-1.22	1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	3023	4.65	-0.51	0.77	0.90	0.00	0.00	4.80	0.77	-0.67	5.47	Pm+Pb	99.95	17.28
3	Inside	3188	-13.19	-13.19	-8.39	11.82	0.00	0.00	-1.37	-8.39	-25.01	23.64	Pm+Pb	99.95	3.23
	Middle	3187	-1.35	-1.35	-1.28	0.19	0.00	0.00	-1.16	-1.28	-1.54	0.38	Pm	69.65	181.71
	Outside	3186	6.97	6.97	3.71	-7.97	0.00	0.00	14.93	3.71	-1.00	15.93	Pm+Pb	99.95	5.27
4	Inside	11583	-0.44	-10.84	-3.86	2.16	-0.01	0.00	-0.01	-3.86	-11.27	11.25	Pm+Pb	99.95	7.88
	Middle	11585	-0.44	-2.05	-1.22	1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	11587	-0.51	4.65	0.77	0.90	0.00	0.00	4.80	0.77	-0.67	5.47	Pm+Pb	99.95	17.28
5	Inside	11501	-0.11	12.99	3.38	0.00	0.00	0.00	12.99	3.38	-0.11	13.10	Pm+Pb	99.95	6.63
	Middle	11508	-0.15	-2.64	-1.31	0.00	0.00	0.00	-0.14	-1.31	-2.64	2.50	Pm	69.65	26.90
	Outside	11515	-0.18	-18.27	-6.01	0.00	0.00	0.00	-0.18	-6.01	-18.27	18.09	Pm+Pb	99.95	4.53
6	Inside	28711	-0.44	-10.84	-3.86	-2.16	0.01	0.00	-0.01	-3.86	-11.27	11.25	Pm+Pb	99.95	7.88
	Middle	28713	-0.44	-2.05	-1.22	-1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	28715	-0.51	4.65	0.77	-0.90	0.00	0.00	4.80	0.77	-0.67	5.47	Pm+Pb	99.95	17.28
7	Inside	20316	-13.19	-13.19	-8.39	-11.82	0.00	0.00	-1.37	-8.39	-25.01	23.64	Pm+Pb	99.95	3.23
	Middle	20315	-1.35	-1.35	-1.28	-0.19	0.00	0.00	-1.16	-1.28	-1.54	0.38	Pm	69.65	181.71
	Outside	20314	6.97	6.97	3.71	7.97	0.00	0.00	14.93	3.71	-1.00	15.93	Pm+Pb	99.95	5.27
8	Inside	20147	-10.84	-0.44	-3.86	-2.16	0.00	-0.01	-0.01	-3.86	-11.27	11.25	Pm+Pb	99.95	7.88
	Middle	20149	-2.05	-0.44	-1.22	-1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	20151	4.65	-0.51	0.77	-0.90	0.00	0.00	4.80	0.77	-0.67	5.47	Pm+Pb	99.95	17.28
9	Inside	20065	12.99	-0.11	3.38	-0.11	0.00	0.00	12.99	3.38	-0.11	13.10	Pm+Pb	99.95	6.63
	Middle	20072	-2.64	-0.15	-1.31	-0.11	0.00	0.00	-0.14	-1.31	-2.65	2.51	Pm	69.65	26.79
	Outside	20079	-18.27	-0.18	-6.01	-0.11	0.00	0.00	-0.18	-6.01	-18.27	18.09	Pm+Pb	99.95	4.53

2.10.6-281

TABLE 2.10.6-275 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - BASE CASE EXTERNAL PRESSURE OF 290 psi
(T= 200°F) SECTION D

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3399	12.98	-0.11	3.38	0.11	0.00	0.00	12.98	3.38	-0.11	13.09	Pm+Pb	99.95	6.63
	Middle	3406	-2.64	-0.15	-1.31	0.11	0.00	0.00	-0.14	-1.31	-2.65	2.51	Pm	69.65	26.79
	Outside	3413	-18.26	-0.18	-6.01	0.11	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.95	4.53
2	Inside	3481	-10.83	-0.44	-3.86	2.15	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.95	7.89
	Middle	3483	-2.05	-0.44	-1.22	1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	3485	4.64	-0.51	0.76	0.90	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.95	17.30
3	Inside	3650	-13.18	-13.18	-8.38	11.82	0.00	0.00	-1.37	-8.38	-25.00	23.63	Pm+Pb	99.95	3.23
	Middle	3649	-1.35	-1.35	-1.29	0.19	0.00	0.00	-1.16	-1.29	-1.54	0.38	Pm	69.65	181.23
	Outside	3648	6.96	6.96	3.70	-7.96	0.00	0.00	14.92	3.70	-1.00	15.92	Pm+Pb	99.95	5.28
4	Inside	12045	-0.44	-10.83	-3.86	2.15	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.95	7.89
	Middle	12047	-0.44	-2.05	-1.22	1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	12049	-0.51	4.64	0.76	0.90	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.95	17.30
5	Inside	11963	-0.11	12.98	3.38	0.00	0.00	0.00	12.98	3.38	-0.11	13.09	Pm+Pb	99.95	6.64
	Middle	11970	-0.15	-2.64	-1.31	0.00	0.00	0.00	-0.15	-1.31	-2.64	2.50	Pm	69.65	26.90
	Outside	11977	-0.18	-18.26	-6.01	0.00	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.95	4.53
6	Inside	29173	-0.44	-10.83	-3.86	-2.15	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.95	7.89
	Middle	29175	-0.44	-2.05	-1.22	-1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	29177	-0.51	4.64	0.76	-0.90	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.95	17.30
7	Inside	20778	-13.18	-13.18	-8.38	-11.82	0.00	0.00	-1.37	-8.38	-25.00	23.63	Pm+Pb	99.95	3.23
	Middle	20777	-1.35	-1.35	-1.29	-0.19	0.00	0.00	-1.16	-1.29	-1.54	0.38	Pm	69.65	181.23
	Outside	20776	6.96	6.96	3.70	7.96	0.00	0.00	14.92	3.70	-1.00	15.92	Pm+Pb	99.95	5.28
8	Inside	20609	-10.83	-0.44	-3.86	-2.15	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.95	7.89
	Middle	20611	-2.05	-0.44	-1.22	-1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	20613	4.64	-0.51	0.76	-0.90	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.95	17.30
9	Inside	20527	12.98	-0.11	3.38	-0.11	0.00	0.00	12.98	3.38	-0.11	13.09	Pm+Pb	99.95	6.63
	Middle	20534	-2.64	-0.15	-1.31	-0.11	0.00	0.00	-0.14	-1.31	-2.65	2.51	Pm	69.65	26.79
	Outside	20541	-18.26	-0.18	-6.01	-0.11	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.95	4.53

TABLE 2.10.6-276 - CONTAINMENT WALL STRESSES (ksi), FLAT MODEL - BASE CASE EXTERNAL PRESSURE OF 290 psi
(T= 200°F) SECTION E

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
1	Inside	3861	12.98	-0.11	3.39	0.11	0.00	0.00	12.98	3.39	-0.11	13.09	Pm+Pb	99.95	6.64
	Middle	3868	-2.64	-0.15	-1.31	0.11	0.00	0.00	-0.14	-1.31	-2.65	2.51	Pm	69.65	26.79
	Outside	3875	-18.26	-0.18	-6.01	0.11	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.95	4.53
2	Inside	3943	-10.83	-0.44	-3.86	2.15	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.95	7.89
	Middle	3945	-2.05	-0.44	-1.22	1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	3947	4.64	-0.51	0.76	0.90	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.95	17.30
3	Inside	4112	-13.18	-13.18	-8.38	11.82	0.00	0.00	-1.37	-8.38	-25.00	23.63	Pm+Pb	99.95	3.23
	Middle	4111	-1.35	-1.35	-1.29	0.19	0.00	0.00	-1.16	-1.29	-1.54	0.38	Pm	69.65	181.23
	Outside	4110	6.96	6.96	3.70	-7.96	0.00	0.00	14.92	3.70	-1.00	15.92	Pm+Pb	99.95	5.28
4	Inside	12507	-0.44	-10.83	-3.86	2.15	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.95	7.89
	Middle	12509	-0.44	-2.05	-1.22	1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	12511	-0.51	4.64	0.76	0.90	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.95	17.30
5	Inside	12425	-0.11	12.98	3.39	0.00	0.00	0.00	12.98	3.39	-0.11	13.09	Pm+Pb	99.95	6.64
	Middle	12432	-0.15	-2.64	-1.31	0.00	0.00	0.00	-0.15	-1.31	-2.64	2.50	Pm	69.65	26.90
	Outside	12439	-0.18	-18.26	-6.01	0.00	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.95	4.53
6	Inside	29635	-0.44	-10.83	-3.86	-2.15	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.95	7.89
	Middle	29637	-0.44	-2.05	-1.22	-1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	29639	-0.51	4.64	0.76	-0.90	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.95	17.30
7	Inside	21240	-13.18	-13.18	-8.38	-11.82	0.00	0.00	-1.37	-8.38	-25.00	23.63	Pm+Pb	99.95	3.23
	Middle	21239	-1.35	-1.35	-1.29	-0.19	0.00	0.00	-1.16	-1.29	-1.54	0.38	Pm	69.65	181.23
	Outside	21238	6.96	6.96	3.70	7.96	0.00	0.00	14.92	3.70	-1.00	15.92	Pm+Pb	99.95	5.28
8	Inside	21071	-10.83	-0.44	-3.86	-2.15	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.95	7.89
	Middle	21073	-2.05	-0.44	-1.22	-1.45	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	21075	4.64	-0.51	0.76	-0.90	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.95	17.30
9	Inside	20989	12.98	-0.11	3.39	-0.11	0.00	0.00	12.98	3.39	-0.11	13.09	Pm+Pb	99.95	6.64
	Middle	20996	-2.64	-0.15	-1.31	-0.11	0.00	0.00	-0.14	-1.31	-2.65	2.51	Pm	69.65	26.79
	Outside	21003	-18.26	-0.18	-6.01	-0.11	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.95	4.53

TABLE 2.10.6-277 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - EXTERNAL PRESSURE OF 290 psi (T= 200°F)
SECTION A

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	10030	-5.18	-0.09	-1.47	0.55	0.32	-0.31	0.03	-1.49	-5.27	5.30	Pm+Pb	99.50	17.78
	Middle	10029	-0.80	-0.40	-0.80	0.12	0.35	0.05	-0.17	-0.82	-1.00	0.83	Pm	69.65	82.50
	Outside	10028	2.41	-0.56	-0.49	-0.21	0.33	0.33	2.46	-0.19	-0.90	3.36	Pm+Pb	99.50	28.60
4	Inside	9981	-2.20	-0.96	-2.05	1.35	1.63	-1.96	0.22	-0.28	-5.15	5.37	Pm+Pb	99.50	17.54
	Middle	9983	-1.02	-0.49	-0.63	0.48	-0.19	0.10	-0.17	-0.62	-1.35	1.18	Pm	69.65	57.90
	Outside	9985	-0.17	-0.02	0.59	-0.24	-1.85	2.16	3.21	-0.32	-2.49	5.70	Pm+Pb	99.50	16.45
5	Inside	1383	-0.72	-0.72	-6.61	0.12	-1.12	-1.12	-0.21	-0.85	-7.00	6.79	Pm+Pb	99.50	13.64
	Middle	1390	-1.15	-1.15	-1.85	0.74	-0.62	-0.62	0.01	-1.89	-2.27	2.28	Pm	69.65	29.54
	Outside	1397	-1.73	-1.73	2.48	1.40	-0.46	-0.46	2.62	-0.47	-3.13	5.75	Pm+Pb	99.50	16.30
6	Inside	1417	-0.96	-2.20	-2.05	1.35	-1.96	1.63	0.22	-0.28	-5.15	5.37	Pm+Pb	99.50	17.54
	Middle	1419	-0.49	-1.02	-0.63	0.48	0.10	-0.19	-0.17	-0.62	-1.35	1.18	Pm	69.65	57.90
	Outside	1421	-0.02	-0.17	0.59	-0.24	2.16	-1.85	3.21	-0.32	-2.49	5.70	Pm+Pb	99.50	16.45
7	Inside	1466	-0.09	-5.18	-1.47	0.00	0.00	0.32	-0.02	-1.54	-5.18	5.17	Pm+Pb	99.50	18.26
	Middle	1465	-0.40	-0.80	-0.80	0.00	0.00	0.35	-0.20	-0.80	-1.00	0.81	Pm	69.65	85.46
	Outside	1464	-0.56	2.41	-0.49	0.00	0.00	0.33	2.41	-0.19	-0.86	3.27	Pm+Pb	99.50	29.40
8	Inside	18545	-0.96	-2.20	-2.05	-1.35	1.96	1.63	0.22	-0.28	-5.15	5.37	Pm+Pb	99.50	17.54
	Middle	18547	-0.49	-1.02	-0.63	-0.48	-0.10	-0.19	-0.17	-0.62	-1.35	1.18	Pm	69.65	57.89
	Outside	18549	-0.02	-0.17	0.59	0.24	-2.16	-1.85	3.21	-0.32	-2.49	5.70	Pm+Pb	99.50	16.45
9	Inside	18511	-0.72	-0.72	-6.61	-0.12	1.12	-1.12	-0.21	-0.85	-7.00	6.79	Pm+Pb	99.50	13.64
	Middle	18518	-1.15	-1.15	-1.85	-0.74	0.62	-0.62	0.01	-1.89	-2.27	2.28	Pm	69.65	29.54
	Outside	18525	-1.73	-1.73	2.48	-1.40	0.46	-0.46	2.62	-0.47	-3.13	5.75	Pm+Pb	99.50	16.30
10	Inside	27109	-2.20	-0.96	-2.05	-1.35	-1.63	-1.96	0.22	-0.28	-5.15	5.37	Pm+Pb	99.50	17.54
	Middle	27111	-1.02	-0.49	-0.63	-0.48	0.19	0.10	-0.17	-0.62	-1.35	1.18	Pm	69.65	57.90
	Outside	27113	-0.17	-0.02	0.59	0.24	1.85	2.16	3.21	-0.32	-2.49	5.70	Pm+Pb	99.50	16.45
11	Inside	27158	-5.18	-0.09	-1.47	-0.55	-0.32	-0.31	0.03	-1.49	-5.27	5.30	Pm+Pb	99.50	17.78
	Middle	27157	-0.80	-0.40	-0.80	-0.12	-0.35	0.05	-0.17	-0.82	-1.00	0.83	Pm	69.65	82.50
	Outside	27156	2.41	-0.56	-0.49	0.21	-0.33	0.33	2.46	-0.19	-0.90	3.36	Pm+Pb	99.50	

TABLE 2.10.6-278 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - EXTERNAL PRESSURE OF 290 psi (T= 200°F)
SECTION B

Stress Location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11617	-21.68	-1.05	-7.22	1.80	0.18	-0.14	-0.89	-7.22	-21.84	20.95	Pm+Pb	99.50	3.75
	Middle	11616	-1.85	-1.02	-1.13	-0.12	0.15	0.05	-0.92	-1.21	-1.87	0.96	Pm	69.65	71.69
	Outside	11615	12.36	-0.96	3.28	-1.45	0.16	0.19	12.52	3.29	-1.12	13.64	Pm+Pb	99.50	6.29
4	Inside	11529	-6.43	-2.77	-2.71	4.28	1.08	-0.90	0.12	-2.51	-9.53	9.64	Pm+Pb	99.50	9.32
	Middle	11531	-2.23	0.35	-1.09	1.07	0.05	0.26	0.74	-1.07	-2.65	3.39	Pm	69.65	19.55
	Outside	11533	1.17	2.34	-0.09	-1.34	-1.11	0.95	3.77	0.32	-0.67	4.43	Pm+Pb	99.50	21.44
5	Inside	2748	5.55	5.55	5.08	-5.59	-0.06	-0.06	11.14	5.08	-0.05	11.18	Pm+Pb	99.50	7.90
	Middle	2755	-1.37	-1.37	-1.44	1.12	-0.08	-0.08	-0.25	-1.45	-2.49	2.24	Pm	69.65	30.08
	Outside	2762	-8.28	-8.28	-7.93	7.78	-0.01	-0.01	-0.50	-7.93	-16.06	15.56	Pm+Pb	99.50	5.40
6	Inside	2965	-2.77	-6.43	-2.71	4.28	-0.90	1.08	0.12	-2.51	-9.53	9.64	Pm+Pb	99.50	9.32
	Middle	2967	0.35	-2.23	-1.09	1.07	0.26	0.05	0.74	-1.07	-2.65	3.39	Pm	69.65	19.55
	Outside	2969	2.34	1.17	-0.09	-1.34	0.95	-1.11	3.77	0.32	-0.67	4.43	Pm+Pb	99.50	21.44
7	Inside	3053	-1.05	-21.68	-7.22	0.00	0.00	0.18	-1.05	-7.22	-21.68	20.64	Pm+Pb	99.50	3.82
	Middle	3052	-1.02	-1.85	-1.13	0.00	0.00	0.15	-0.92	-1.23	-1.85	0.93	Pm	69.65	74.10
	Outside	3051	-0.96	12.36	3.28	0.00	0.00	0.16	12.36	3.29	-0.97	13.33	Pm+Pb	99.50	6.47
8	Inside	20093	-2.77	-6.43	-2.71	-4.28	0.90	1.08	0.12	-2.51	-9.53	9.64	Pm+Pb	99.50	9.32
	Middle	20095	0.35	-2.23	-1.09	-1.07	-0.26	0.05	0.74	-1.07	-2.65	3.39	Pm	69.65	19.55
	Outside	20097	2.34	1.17	-0.09	1.34	-0.95	-1.11	3.77	0.32	-0.67	4.43	Pm+Pb	99.50	21.44
9	Inside	19876	5.55	5.55	5.08	5.59	0.06	-0.06	11.14	5.08	-0.05	11.18	Pm+Pb	99.50	7.90
	Middle	19883	-1.37	-1.37	-1.44	-1.12	0.08	-0.08	-0.25	-1.45	-2.49	2.24	Pm	69.65	30.08
	Outside	19890	-8.28	-8.28	-7.93	-7.78	0.01	-0.01	-0.50	-7.93	-16.06	15.56	Pm+Pb	99.50	5.40
10	Inside	28657	-6.43	-2.77	-2.71	-4.28	-1.08	-0.90	0.12	-2.51	-9.53	9.64	Pm+Pb	99.50	9.32
	Middle	28659	-2.23	0.35	-1.09	-1.07	-0.05	0.26	0.74	-1.07	-2.65	3.39	Pm	69.65	19.55
	Outside	28661	1.17	2.34	-0.09	1.34	1.11	0.95	3.77	0.32	-0.67	4.43	Pm+Pb	99.50	21.44
11	Inside	28745	-21.68	-1.05	-7.22	-1.80	-0.18	-0.14	-0.89	-7.22	-21.84	20.95	Pm+Pb	99.50	3.75
	Middle	28744	-1.85	-1.02	-1.13	0.12	-0.15	0.05	-0.92	-1.21	-1.87	0.96	Pm	69.65	71.69
	Outside	28743	12.36	-0.96	3.28	1.45	-0.16	0.19	12.52	3.29	-1.12	13.64	Pm+Pb	99.50	6.29

TABLE 2.10.6-279 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - EXTERNAL PRESSURE OF 290 psi (T= 200°F)
SECTION C

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	11752	-25.01	-1.37	-8.39	2.11	0.00	0.00	-1.18	-8.39	-25.20	24.02	Pm+Pb	99.50	3.14
	Middle	11751	-1.54	-1.16	-1.28	-0.18	0.00	0.00	-1.09	-1.28	-1.61	0.52	Pm	69.65	133.43
	Outside	11750	14.93	-1.00	3.71	-1.77	0.00	0.00	15.13	3.71	-1.19	16.32	Pm+Pb	99.50	5.10
4	Inside	11583	-7.79	-3.48	-3.86	5.20	0.00	0.00	-0.01	-3.86	-11.27	11.25	Pm+Pb	99.50	7.84
	Middle	11585	-2.69	0.21	-1.22	0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	11587	1.17	2.97	0.77	-2.58	0.00	0.00	4.80	0.77	-0.67	5.47	Pm+Pb	99.50	17.20
5	Inside	2937	6.44	6.44	3.38	-6.55	0.00	0.00	12.99	3.38	-0.11	13.10	Pm+Pb	99.50	6.60
	Middle	2944	-1.39	-1.39	-1.31	1.25	0.00	0.00	-0.14	-1.31	-2.64	2.50	Pm	69.65	26.90
	Outside	2951	-9.23	-9.23	-6.01	9.04	0.00	0.00	-0.18	-6.01	-18.27	18.09	Pm+Pb	99.50	4.50
6	Inside	3019	-3.48	-7.79	-3.86	5.20	0.00	0.00	-0.01	-3.86	-11.27	11.25	Pm+Pb	99.50	7.84
	Middle	3021	0.21	-2.69	-1.22	0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	3023	2.97	1.17	0.77	-2.58	0.00	0.00	4.80	0.77	-0.67	5.47	Pm+Pb	99.50	17.20
7	Inside	3188	-1.37	-25.01	-8.39	0.00	0.00	0.00	-1.37	-8.39	-25.01	23.64	Pm+Pb	99.50	3.21
	Middle	3187	-1.16	-1.54	-1.28	0.00	0.00	0.00	-1.16	-1.28	-1.54	0.38	Pm	69.65	181.76
	Outside	3186	-1.00	14.93	3.71	0.00	0.00	0.00	14.93	3.71	-1.00	15.93	Pm+Pb	99.50	5.25
8	Inside	20147	-3.48	-7.79	-3.86	-5.20	0.00	0.00	-0.01	-3.86	-11.27	11.25	Pm+Pb	99.50	7.84
	Middle	20149	0.21	-2.69	-1.22	-0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	20151	2.97	1.17	0.77	2.58	0.00	0.00	4.80	0.77	-0.67	5.47	Pm+Pb	99.50	17.20
9	Inside	20065	6.44	6.44	3.38	6.55	0.00	0.00	12.99	3.38	-0.11	13.10	Pm+Pb	99.50	6.60
	Middle	20072	-1.39	-1.39	-1.31	-1.25	0.00	0.00	-0.14	-1.31	-2.64	2.50	Pm	69.65	26.90
	Outside	20079	-9.23	-9.23	-6.01	-9.04	0.00	0.00	-0.18	-6.01	-18.27	18.09	Pm+Pb	99.50	4.50
10	Inside	28711	-7.79	-3.48	-3.86	-5.20	0.00	0.00	-0.01	-3.86	-11.27	11.25	Pm+Pb	99.50	7.84
	Middle	28713	-2.69	0.21	-1.22	-0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	28715	1.17	2.97	0.77	2.58	0.00	0.00	4.80	0.77	-0.67	5.47	Pm+Pb	99.50	17.20
11	Inside	28880	-25.01	-1.37	-8.39	-2.11	0.00	0.00	-1.18	-8.39	-25.20	24.02	Pm+Pb	99.50	3.14
	Middle	28879	-1.54	-1.16	-1.28	0.18	0.00	0.00	-1.09	-1.28	-1.61	0.52	Pm	69.65	133.43
	Outside	28878	14.93	-1.00	3.71	1.77	0.00	0.00	15.13	3.71	-1.19	16.32	Pm+Pb	99.50	5.10

**TABLE 2.10.6-280 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - EXTERNAL PRESSURE OF 290 psi (T= 200°F)
SECTION D**

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12214	-25.00	-1.37	-8.38	2.11	0.00	0.00	-1.18	-8.38	-25.18	24.01	Pm+Pb	99.50	3.14
	Middle	12213	-1.54	-1.16	-1.29	-0.18	0.00	0.00	-1.09	-1.29	-1.61	0.52	Pm	69.65	133.29
	Outside	12212	14.92	-1.00	3.70	-1.77	0.00	0.00	15.12	3.70	-1.19	16.31	Pm+Pb	99.50	5.10
4	Inside	12045	-7.79	-3.48	-3.86	5.19	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.50	7.85
	Middle	12047	-2.69	0.21	-1.22	0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	12049	1.16	2.97	0.76	-2.58	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.50	17.22
5	Inside	3399	6.44	6.44	3.38	-6.54	0.00	0.00	12.98	3.38	-0.11	13.09	Pm+Pb	99.50	6.60
	Middle	3406	-1.39	-1.39	-1.31	1.25	0.00	0.00	-0.14	-1.31	-2.64	2.50	Pm	69.65	26.90
	Outside	3413	-9.22	-9.22	-6.01	9.04	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.50	4.50
6	Inside	3481	-3.48	-7.79	-3.86	5.19	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.50	7.85
	Middle	3483	0.21	-2.69	-1.22	0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	3485	2.97	1.16	0.76	-2.58	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.50	17.22
7	Inside	3650	-1.37	-25.00	-8.38	0.00	0.00	0.00	-1.37	-8.38	-25.00	23.63	Pm+Pb	99.50	3.21
	Middle	3649	-1.16	-1.54	-1.29	0.00	0.00	0.00	-1.16	-1.29	-1.54	0.38	Pm	69.65	181.23
	Outside	3648	-1.00	14.92	3.70	0.00	0.00	0.00	14.92	3.70	-1.00	15.92	Pm+Pb	99.50	5.25
8	Inside	20609	-3.48	-7.79	-3.86	-5.19	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.50	7.85
	Middle	20611	0.21	-2.69	-1.22	-0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	20613	2.97	1.16	0.76	2.58	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.50	17.22
9	Inside	20527	6.44	6.44	3.38	6.54	0.00	0.00	12.98	3.38	-0.11	13.09	Pm+Pb	99.50	6.60
	Middle	20534	-1.39	-1.39	-1.31	-1.25	0.00	0.00	-0.14	-1.31	-2.64	2.50	Pm	69.65	26.90
	Outside	20541	-9.22	-9.22	-6.01	-9.04	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.50	4.50
10	Inside	29173	-7.79	-3.48	-3.86	-5.19	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.50	7.85
	Middle	29175	-2.69	0.21	-1.22	-0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	29177	1.16	2.97	0.76	2.58	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.50	17.22
11	Inside	29342	-25.00	-1.37	-8.38	-2.11	0.00	0.00	-1.18	-8.38	-25.18	24.01	Pm+Pb	99.50	3.14
	Middle	29341	-1.54	-1.16	-1.29	0.18	0.00	0.00	-1.09	-1.29	-1.61	0.52	Pm	69.65	133.29
	Outside	29340	14.92	-1.00	3.70	1.77	0.00	0.00	15.12	3.70	-1.19	16.31	Pm+Pb	99.50	5.10

TABLE 2.10.6-281 - CONTAINMENT WALL STRESSES (ksi), CORNER MODEL - EXTERNAL PRESSURE OF 290 psi (T= 200°F)
SECTION E

Stress location		Node	Combined Stress Components						Principal Stresses			Stress Int.	Stress Type	Stress Limit	Design Margin
			Sx	Sy	Sz	Sxy	Syz	Sxz	S1	S2	S3				
3	Inside	12676	-25.00	-1.37	-8.38	2.11	0.00	0.00	-1.18	-8.38	-25.18	24.01	Pm+Pb	99.50	3.14
	Middle	12675	-1.54	-1.16	-1.29	-0.18	0.00	0.00	-1.09	-1.29	-1.61	0.52	Pm	69.65	133.27
	Outside	12674	14.92	-1.00	3.70	-1.77	0.00	0.00	15.12	3.70	-1.19	16.31	Pm+Pb	99.50	5.10
4	Inside	12507	-7.79	-3.48	-3.86	5.19	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.50	7.85
	Middle	12509	-2.69	0.21	-1.22	0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	12511	1.16	2.97	0.76	-2.58	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.50	17.22
5	Inside	3861	6.44	6.44	3.39	-6.54	0.00	0.00	12.98	3.39	-0.11	13.09	Pm+Pb	99.50	6.60
	Middle	3868	-1.39	-1.39	-1.31	1.25	0.00	0.00	-0.15	-1.31	-2.64	2.50	Pm	69.65	26.90
	Outside	3875	-9.22	-9.22	-6.01	9.04	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.50	4.50
6	Inside	3943	-3.48	-7.79	-3.86	5.19	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.50	7.85
	Middle	3945	0.21	-2.69	-1.22	0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	3947	2.97	1.16	0.76	-2.58	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.50	17.22
7	Inside	4112	-1.37	-25.00	-8.38	0.00	0.00	0.00	-1.37	-8.38	-25.00	23.63	Pm+Pb	99.50	3.21
	Middle	4111	-1.16	-1.54	-1.29	0.00	0.00	0.00	-1.16	-1.29	-1.54	0.38	Pm	69.65	181.19
	Outside	4110	-1.00	14.92	3.70	0.00	0.00	0.00	14.92	3.70	-1.00	15.92	Pm+Pb	99.50	5.25
8	Inside	21071	-3.48	-7.79	-3.86	-5.19	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.50	7.85
	Middle	21073	0.21	-2.69	-1.22	-0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	21075	2.97	1.16	0.76	2.58	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.50	17.22
9	Inside	20989	6.44	6.44	3.39	6.54	0.00	0.00	12.98	3.39	-0.11	13.09	Pm+Pb	99.50	6.60
	Middle	20996	-1.39	-1.39	-1.31	-1.25	0.00	0.00	-0.15	-1.31	-2.64	2.50	Pm	69.65	26.90
	Outside	21003	-9.22	-9.22	-6.01	-9.04	0.00	0.00	-0.18	-6.01	-18.26	18.08	Pm+Pb	99.50	4.50
10	Inside	29635	-7.79	-3.48	-3.86	-5.19	0.00	0.00	-0.01	-3.86	-11.26	11.25	Pm+Pb	99.50	7.85
	Middle	29637	-2.69	0.21	-1.22	-0.81	0.00	0.00	0.42	-1.22	-2.90	3.32	Pm	69.65	19.98
	Outside	29639	1.16	2.97	0.76	2.58	0.00	0.00	4.80	0.76	-0.67	5.46	Pm+Pb	99.50	17.22
11	Inside	29804	-25.00	-1.37	-8.38	-2.11	0.00	0.00	-1.18	-8.38	-25.18	24.01	Pm+Pb	99.50	3.14
	Middle	29803	-1.54	-1.16	-1.29	0.18	0.00	0.00	-1.09	-1.29	-1.61	0.52	Pm	69.65	133.27
	Outside	29802	14.92	-1.00	3.70	1.77	0.00	0.00	15.12	3.70	-1.19	16.31	Pm+Pb	99.50	5.10

2.10.6-288