

FIXED SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
3	1977731	H-NW-3 98	H-SW-1 98
5	1938107	H-NW-3 96	H-SW-1 96
7	1898483	H-NW-3 94	H-SW-1 94
9	1858859	H-NW-3 92	H-SW-1 92
11	1819235	H-NW-3 90	H-SW-1 90
13	1779611	H-NW-3 88	H-SW-1 88
15	1739987	H-NW-3 86	H-SW-1 86
17	1700363	H-NW-3 84	H-SW-1 84
19	1660739	H-NW-3 82	H-SW-1 82
21	1621115	H-NW-3 80	H-SW-1 80
23	1581491	H-NW-3 78	H-SW-1 78
25	1541867	H-NW-3 76	H-SW-1 76
27	1502243	H-NW-3 74	H-SW-1 74
29	1462619	H-NW-3 72	H-SW-1 72
31	1422995	H-NW-3 70	H-SW-1 70
33	1383371	H-NW-3 68	H-SW-1 68
35	1343747	H-NW-3 66	H-SW-1 66
37	1304123	H-NW-3 64	H-SW-1 64
39	1264499	H-NW-3 62	H-SW-1 62
41	1224875	H-NW-3 60	H-SW-1 60
43	1185251	H-NW-3 58	H-SW-1 58
45	1145627	H-NW-3 56	H-SW-1 56
47	1106003	H-NW-3 54	H-SW-1 54
49	1066379	H-NW-3 52	H-SW-1 52
51	1026755	H-NW-3 50	H-SW-1 50
53	987131	H-NW-3 48	H-SW-1 48
55	947507	H-NW-3 46	H-SW-1 46
57	907883	H-NW-3 44	H-SW-1 44
59	868259	H-NW-3 42	H-SW-1 42
61	828635	H-NW-3 40	H-SW-1 40
63	789011	H-NW-3 38	H-SW-1 38
65	749387	H-NW-3 36	H-SW-1 36
67	709763	H-NW-3 34	H-SW-1 34
69	670139	H-NW-3 32	H-SW-1 32
71	630515	H-NW-3 30	H-SW-1 30
73	590891	H-NW-3 28	H-SW-1 28
75	551267	H-NW-3 26	H-SW-1 26
77	511643	H-NW-3 24	H-SW-1 24
79	472019	H-NW-3 22	H-SW-1 22
81	432395	H-NW-3 20	H-SW-1 20
83	392771	H-NW-3 18	H-SW-1 18
85	353147	H-NW-3 16	H-SW-1 16
87	313523	H-NW-3 14	H-SW-1 14
89	273899	H-NW-3 12	H-SW-1 12
91	234275	H-NW-3 10	H-SW-1 10
93	194651	H-NW-3 08	H-SW-1 08
95	155027	H-NW-3 06	H-SW-1 06
97	115403	H-NW-3 04	H-SW-1 04
99	75777	H-NW-3 02	H-SW-1 02

GUIDED SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
2	1992923	1991187	H-NW-3 99	H-SW-1 99
4	1958783	1957044	H-NW-3 97	H-SW-1 97
6	1919159	1917420	H-NW-3 95	H-SW-1 95
8	1879535	1877796	H-NW-3 93	H-SW-1 93
10	1839911	1838172	H-NW-3 91	H-SW-1 91
12	1800287	1798548	H-NW-3 89	H-SW-1 89
14	1760663	1758924	H-NW-3 87	H-SW-1 87
16	1721039	1719300	H-NW-3 85	H-SW-1 85
18	1681415	1679676	H-NW-3 83	H-SW-1 83
20	1641791	1640052	H-NW-3 81	H-SW-1 81
22	1602167	1600428	H-NW-3 79	H-SW-1 79
24	1562543	1560804	H-NW-3 77	H-SW-1 77
26	1522919	1521180	H-NW-3 75	H-SW-1 75
28	1483295	1481556	H-NW-3 73	H-SW-1 73
30	1443671	1441932	H-NW-3 71	H-SW-1 71
32	1404047	1402308	H-NW-3 69	H-SW-1 69
34	1364423	1362684	H-NW-3 67	H-SW-1 67
36	1324799	1323060	H-NW-3 65	H-SW-1 65
38	1285175	1283436	H-NW-3 63	H-SW-1 63
40	1245551	1243812	H-NW-3 61	H-SW-1 61
42	1205927	1204188	H-NW-3 59	H-SW-1 59
44	1166303	1164564	H-NW-3 57	H-SW-1 57
46	1126679	1124940	H-NW-3 55	H-SW-1 55
48	1087055	1085316	H-NW-3 53	H-SW-1 53
50	1047431	1045692	H-NW-3 51	H-SW-1 51
52	1007807	1006068	H-NW-3 49	H-SW-1 49
54	968183	966444	H-NW-3 47	H-SW-1 47
56	928559	926820	H-NW-3 45	H-SW-1 45
58	888935	887196	H-NW-3 43	H-SW-1 43
60	849311	847572	H-NW-3 41	H-SW-1 41
62	809687	807948	H-NW-3 39	H-SW-1 39
64	770063	768324	H-NW-3 37	H-SW-1 37
66	730439	728700	H-NW-3 35	H-SW-1 35
68	690815	689076	H-NW-3 33	H-SW-1 33
70	651191	649452	H-NW-3 31	H-SW-1 31
72	611567	609828	H-NW-3 29	H-SW-1 29
74	571943	570204	H-NW-3 27	H-SW-1 27
76	532319	530580	H-NW-3 25	H-SW-1 25
78	492695	490956	H-NW-3 23	H-SW-1 23
80	453071	451332	H-NW-3 21	H-SW-1 21
82	413447	411708	H-NW-3 19	H-SW-1 19
84	373823	372084	H-NW-3 17	H-SW-1 17
86	334199	332460	H-NW-3 15	H-SW-1 15
88	294575	292836	H-NW-3 13	H-SW-1 13
90	254951	253212	H-NW-3 11	H-SW-1 11
92	215327	213588	H-NW-3 09	H-SW-1 09
94	175703	173964	H-NW-3 07	H-SW-1 07
96	136079	134340	H-NW-3 05	H-SW-1 05
98	96455	94716	H-NW-3 03	H-SW-1 03
100	62313	60577	H-NW-3 01	H-SW-1 01

TERMINATION SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
1	2006158	H-NW-3 TM	H-SW-1 TM
101	47342	H-NW-3 TC	H-SW-1 TC

▶ ENTIRE DRAWING REVISED

NOTES: (FOR DWG. \*3 SHT. 1 THRU 4)

- DIMENSIONS GIVEN IN THE TABLES LOCATE THE CENTER OF THE LAP JOINT IN EACH SUPPORT RING AT THE FIXED AND GUIDED SUPPORTS.
- DIMENSIONS IN THE TABLE LOCATE THE CENTER OF THE SUPPORT RING NEAREST TO THE PIN CONNECTION AT THE TERMINATION SUPPORTS.
- RING LOCATIONS ARE MEASURED FROM THE VERTEX OF THE BEAM TUBES AND ARE GIVEN IN MILLIMETERS.
- THE TOLERANCE FOR THE LOCATIONS OF THE SUPPORT RINGS IS +/- 44 MM. FOR THE GUIDED SUPPORTS, THE TOLERANCE FOR THE DISTANCE BETWEEN THE PAIRED RINGS IS +/- 8 MM.

55710103.DGN

**APPROVED**

*M. Tellalian*      12-6-96  
CBI      DATE

*J. Jones*      12/8/96  
CALTECH      DATE

BY		DATE		REV. ENTIRE SHT. DUE TO REV.		REMARKS	
5	12-2-96	3	12-2-96	ENTIRE DRAWING REVISED			
BY		DATE		REVISIONS			
4	12-2-96	6-24-96					
BY		DATE		REVISIONS			
3	12-2-96	6-24-96					
BY		DATE		REVISIONS			
2	12-2-96	6-24-96					
BY		DATE		REVISIONS			
1	12-2-96	6-24-96					

**CBI**

**LIGO BEAM TUBE**  
HANFORD, WA & LIVINGSTON, LA

SUPPORT LOCATIONS FOR  
HANFORD MODULES (HXI) & (HYI)

CUSTOMER'S NO		CONTRACT NO	
BY ARL CHKD DTR DATE 3-10-96		953571	
M. L. TELLALIAN		DWG 3	REV 5
ENGINEERING ASSIGNED		SHT 1	

**L140-DS50033-05-B**

▶ INDICATES CHANGE FROM PREVIOUS ISSUE

FIXED SUPPORT LOCATIONS

GUIDED SUPPORT LOCATIONS

TERMINATION SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
3	2056769	H-NW-4 02	H-SW-2 02
5	2096393	H-NW-4 04	H-SW-2 04
7	2136017	H-NW-4 06	H-SW-2 06
9	2175641	H-NW-4 08	H-SW-2 08
11	2215265	H-NW-4 10	H-SW-2 10
13	2254889	H-NW-4 12	H-SW-2 12
15	2294513	H-NW-4 14	H-SW-2 14
17	2334137	H-NW-4 16	H-SW-2 16
19	2373761	H-NW-4 18	H-SW-2 18
21	2413385	H-NW-4 20	H-SW-2 20
23	2453009	H-NW-4 22	H-SW-2 22
25	2492633	H-NW-4 24	H-SW-2 24
27	2532257	H-NW-4 26	H-SW-2 26
29	2571881	H-NW-4 28	H-SW-2 28
31	2611505	H-NW-4 30	H-SW-2 30
33	2651129	H-NW-4 32	H-SW-2 32
35	2690753	H-NW-4 34	H-SW-2 34
37	2730377	H-NW-4 36	H-SW-2 36
39	2770001	H-NW-4 38	H-SW-2 38
41	2809625	H-NW-4 40	H-SW-2 40
43	2849249	H-NW-4 42	H-SW-2 42
45	2888873	H-NW-4 44	H-SW-2 44
47	2928497	H-NW-4 46	H-SW-2 46
49	2968121	H-NW-4 48	H-SW-2 48
51	3007745	H-NW-4 50	H-SW-2 50
53	3047369	H-NW-4 52	H-SW-2 52
55	3086993	H-NW-4 54	H-SW-2 54
57	3126617	H-NW-4 56	H-SW-2 56
59	3166241	H-NW-4 58	H-SW-2 58
61	3205865	H-NW-4 60	H-SW-2 60
63	3245489	H-NW-4 62	H-SW-2 62
65	3285113	H-NW-4 64	H-SW-2 64
67	3324737	H-NW-4 66	H-SW-2 66
69	3364361	H-NW-4 68	H-SW-2 68
71	3403985	H-NW-4 70	H-SW-2 70
73	3443609	H-NW-4 72	H-SW-2 72
75	3483233	H-NW-4 74	H-SW-2 74
77	3522857	H-NW-4 76	H-SW-2 76
79	3562481	H-NW-4 78	H-SW-2 78
81	3602105	H-NW-4 80	H-SW-2 80
83	3641729	H-NW-4 82	H-SW-2 82
85	3681353	H-NW-4 84	H-SW-2 84
87	3720977	H-NW-4 86	H-SW-2 86
89	3760601	H-NW-4 88	H-SW-2 88
91	3800225	H-NW-4 90	H-SW-2 90
93	3839849	H-NW-4 92	H-SW-2 92
95	3879473	H-NW-4 94	H-SW-2 94
97	3919097	H-NW-4 96	H-SW-2 96
99	3958723	H-NW-4 98	H-SW-2 98

INSTALL SEQUENCE	RING LOCATION	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
2	2041577	2043313	H-NW-4 01	H-SW-2 01
4	2075717	2077456	H-NW-4 03	H-SW-2 03
6	2115341	2117080	H-NW-4 05	H-SW-2 05
8	2154965	2156704	H-NW-4 07	H-SW-2 07
10	2194589	2196328	H-NW-4 09	H-SW-2 09
12	2234213	2235952	H-NW-4 11	H-SW-2 11
14	2273837	2275576	H-NW-4 13	H-SW-2 13
16	2313461	2315200	H-NW-4 15	H-SW-2 15
18	2353085	2354824	H-NW-4 17	H-SW-2 17
20	2392709	2394448	H-NW-4 19	H-SW-2 19
22	2432333	2434072	H-NW-4 21	H-SW-2 21
24	2471957	2473696	H-NW-4 23	H-SW-2 23
26	2511581	2513320	H-NW-4 25	H-SW-2 25
28	2551205	2552944	H-NW-4 27	H-SW-2 27
30	2590829	2592568	H-NW-4 29	H-SW-2 29
32	2630453	2632192	H-NW-4 31	H-SW-2 31
34	2670077	2671816	H-NW-4 33	H-SW-2 33
36	2709701	2711440	H-NW-4 35	H-SW-2 35
38	2749325	2751064	H-NW-4 37	H-SW-2 37
40	2788949	2790688	H-NW-4 39	H-SW-2 39
42	2828573	2830312	H-NW-4 41	H-SW-2 41
44	2868197	2869936	H-NW-4 43	H-SW-2 43
46	2907821	2909560	H-NW-4 45	H-SW-2 45
48	2947445	2949184	H-NW-4 47	H-SW-2 47
50	2987069	2988808	H-NW-4 49	H-SW-2 49
52	3026693	3028432	H-NW-4 51	H-SW-2 51
54	3066317	3068056	H-NW-4 53	H-SW-2 53
56	3105941	3107680	H-NW-4 55	H-SW-2 55
58	3145565	3147304	H-NW-4 57	H-SW-2 57
60	3185189	3186928	H-NW-4 59	H-SW-2 59
62	3224813	3226552	H-NW-4 61	H-SW-2 61
64	3264437	3266176	H-NW-4 63	H-SW-2 63
66	3304061	3305800	H-NW-4 65	H-SW-2 65
68	3343685	3345424	H-NW-4 67	H-SW-2 67
70	3383309	3385048	H-NW-4 69	H-SW-2 69
72	3422933	3424672	H-NW-4 71	H-SW-2 71
74	3462557	3464296	H-NW-4 73	H-SW-2 73
76	3502181	3503920	H-NW-4 75	H-SW-2 75
78	3541805	3543544	H-NW-4 77	H-SW-2 77
80	3581429	3583168	H-NW-4 79	H-SW-2 79
82	3621053	3622792	H-NW-4 81	H-SW-2 81
84	3660677	3662416	H-NW-4 83	H-SW-2 83
86	3700301	3702040	H-NW-4 85	H-SW-2 85
88	3739925	3741664	H-NW-4 87	H-SW-2 87
90	3779549	3781288	H-NW-4 89	H-SW-2 89
92	3819173	3820912	H-NW-4 91	H-SW-2 91
94	3858797	3860536	H-NW-4 93	H-SW-2 93
96	3898421	3900160	H-NW-4 95	H-SW-2 95
98	3938045	3939784	H-NW-4 97	H-SW-2 97
100	3972187	3973923	H-NW-4 99	H-SW-2 99

INSTALL SEQUENCE	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
1	2028342	H-NW-4 TM	H-SW-2 TM
101	3987158	H-NW-4 TE	H-SW-2 TE

▶ ENTIRE DRAWING REVISED

55710203.dgn

**APPROVED**

*M. Tellohian* 12-6-96  
CBI DATE

*J. Jones* 12/13/96  
CALTECH DATE

<b>CBI</b>		SUPPLIER'S / PURCHASER'S NO	
LIGO BEAM TUBE HANFORD, WA & LIVINGSTON, LA			
SUPPORT LOCATIONS FOR HANFORD MODULES (HX2) & (HY2)			
CUSTOMER'S NO		CONTRACT NO	
BY ARL CHKD DTR DATE 3-10-96		953571	
M. L. TELLALIAN ENGINEERING ASSIGNED		DWG 3	REV 5
		SHT 2	
L150-D950033-05-B			

▶ INDICATES CHANGE FROM PREVIOUS ISSUE

FIXED SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
3	1982197	L-SW-7 98	L-SE-5 98
5	1942573	L-SW-7 96	L-SE-5 96
7	1902949	L-SW-7 94	L-SE-5 94
9	1863325	L-SW-7 92	L-SE-5 92
11	1823701	L-SW-7 90	L-SE-5 90
13	1784077	L-SW-7 88	L-SE-5 88
15	1744453	L-SW-7 86	L-SE-5 86
17	1704829	L-SW-7 84	L-SE-5 84
19	1665205	L-SW-7 82	L-SE-5 82
21	1625581	L-SW-7 80	L-SE-5 80
23	1585957	L-SW-7 78	L-SE-5 78
25	1546333	L-SW-7 76	L-SE-5 76
27	1506709	L-SW-7 74	L-SE-5 74
29	1467085	L-SW-7 72	L-SE-5 72
31	1427461	L-SW-7 70	L-SE-5 70
33	1387837	L-SW-7 68	L-SE-5 68
35	1348213	L-SW-7 66	L-SE-5 66
37	1308589	L-SW-7 64	L-SE-5 64
39	1268965	L-SW-7 62	L-SE-5 62
41	1229341	L-SW-7 60	L-SE-5 60
43	1189717	L-SW-7 58	L-SE-5 58
45	1150093	L-SW-7 56	L-SE-5 56
47	1110469	L-SW-7 54	L-SE-5 54
49	1070845	L-SW-7 52	L-SE-5 52
51	1031221	L-SW-7 50	L-SE-5 50
53	991597	L-SW-7 48	L-SE-5 48
55	951973	L-SW-7 46	L-SE-5 46
57	912349	L-SW-7 44	L-SE-5 44
59	872725	L-SW-7 42	L-SE-5 42
61	833101	L-SW-7 40	L-SE-5 40
63	793477	L-SW-7 38	L-SE-5 38
65	753853	L-SW-7 36	L-SE-5 36
67	714229	L-SW-7 34	L-SE-5 34
69	674605	L-SW-7 32	L-SE-5 32
71	634981	L-SW-7 30	L-SE-5 30
73	595357	L-SW-7 28	L-SE-5 28
75	555733	L-SW-7 26	L-SE-5 26
77	516109	L-SW-7 24	L-SE-5 24
79	476485	L-SW-7 22	L-SE-5 22
81	436861	L-SW-7 20	L-SE-5 20
83	397237	L-SW-7 18	L-SE-5 18
85	357613	L-SW-7 16	L-SE-5 16
87	317989	L-SW-7 14	L-SE-5 14
89	278365	L-SW-7 12	L-SE-5 12
91	238741	L-SW-7 10	L-SE-5 10
93	199117	L-SW-7 08	L-SE-5 08
95	159493	L-SW-7 06	L-SE-5 06
97	119869	L-SW-7 04	L-SE-5 04
99	80243	L-SW-7 02	L-SE-5 02

GUIDED SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
2	1999622	1997885	L-SW-7 99	L-SE-5 99
4	1963249	1961510	L-SW-7 97	L-SE-5 97
6	1923625	1921886	L-SW-7 95	L-SE-5 95
8	1884001	1882262	L-SW-7 93	L-SE-5 93
10	1844377	1842638	L-SW-7 91	L-SE-5 91
12	1804753	1803014	L-SW-7 89	L-SE-5 89
14	1765129	1763390	L-SW-7 87	L-SE-5 87
16	1725505	1723766	L-SW-7 85	L-SE-5 85
18	1685881	1684142	L-SW-7 83	L-SE-5 83
20	1646257	1644518	L-SW-7 81	L-SE-5 81
22	1606633	1604894	L-SW-7 79	L-SE-5 79
24	1567009	1565270	L-SW-7 77	L-SE-5 77
26	1527385	1525646	L-SW-7 75	L-SE-5 75
28	1487761	1486022	L-SW-7 73	L-SE-5 73
30	1448137	1446398	L-SW-7 71	L-SE-5 71
32	1408513	1406774	L-SW-7 69	L-SE-5 69
34	1368889	1367150	L-SW-7 67	L-SE-5 67
36	1329265	1327526	L-SW-7 65	L-SE-5 65
38	1289641	1287902	L-SW-7 63	L-SE-5 63
40	1250017	1248278	L-SW-7 61	L-SE-5 61
42	1210393	1208654	L-SW-7 59	L-SE-5 59
44	1170769	1169030	L-SW-7 57	L-SE-5 57
46	1131145	1129406	L-SW-7 55	L-SE-5 55
48	1091521	1089782	L-SW-7 53	L-SE-5 53
50	1051897	1050158	L-SW-7 51	L-SE-5 51
52	1012273	1010534	L-SW-7 49	L-SE-5 49
54	972649	970910	L-SW-7 47	L-SE-5 47
56	933025	931286	L-SW-7 45	L-SE-5 45
58	893401	891662	L-SW-7 43	L-SE-5 43
60	853777	852038	L-SW-7 41	L-SE-5 41
62	814153	812414	L-SW-7 39	L-SE-5 39
64	774529	772790	L-SW-7 37	L-SE-5 37
66	734905	733166	L-SW-7 35	L-SE-5 35
68	695281	693542	L-SW-7 33	L-SE-5 33
70	655657	653918	L-SW-7 31	L-SE-5 31
72	616033	614294	L-SW-7 29	L-SE-5 29
74	576409	574670	L-SW-7 27	L-SE-5 27
76	536785	535046	L-SW-7 25	L-SE-5 25
78	497161	495422	L-SW-7 23	L-SE-5 23
80	457537	455798	L-SW-7 21	L-SE-5 21
82	417913	416174	L-SW-7 19	L-SE-5 19
84	378289	376550	L-SW-7 17	L-SE-5 17
86	338665	336926	L-SW-7 15	L-SE-5 15
88	299041	297302	L-SW-7 13	L-SE-5 13
90	259417	257678	L-SW-7 11	L-SE-5 11
92	219793	218054	L-SW-7 09	L-SE-5 09
94	180169	178430	L-SW-7 07	L-SE-5 07
96	140545	138806	L-SW-7 05	L-SE-5 05
98	100921	99182	L-SW-7 03	L-SE-5 03
100	64547	62810	L-SW-7 01	L-SE-5 01

TERMINATION SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
1	2015090	L-SW-7 TM	L-SE-5 TM
101	47342	L-SW-7 TC	L-SE-5 TC

▶ ENTIRE DRAWING REVISED

55710303.DGN

▶ INDICATES CHANGE FROM PREVIOUS ISSUE

**APPROVED**

*M. TELLALIAN* 12-6-96  
CBI DATE

*J. Jones* 12/8/96  
CALTECH DATE

<b>CBI</b>				SUPPLIER'S / PURCHASER'S NO			
<b>LIGO BEAM TUBE</b> HANFORD, WA & LIVINGSTON, LA SUPPORT LOCATIONS FOR LIVINGSTON MODULES (LXI) & (LYI)							
REVISIONS				REMARKS			
BY	DATE	BY	DATE	BY	DATE	BY	DATE
CUSTOMER'S NO				CONTRACT NO			
BY ARL_CHKD DTR DATE 3-10-96				953571			
M. L. TELLALIAN ENGINEERING ASSIGNED				DWG 3 SHT 3		REV 5	
L190-0950033-05-B							

FIXED SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
3	2052303	L-SW-8 02	L-SE-6 02
5	2091927	L-SW-8 04	L-SE-6 04
7	2131551	L-SW-8 06	L-SE-6 06
9	2171175	L-SW-8 08	L-SE-6 08
11	2210799	L-SW-8 10	L-SE-6 10
13	2250423	L-SW-8 12	L-SE-6 12
15	2290047	L-SW-8 14	L-SE-6 14
17	2329671	L-SW-8 16	L-SE-6 16
19	2369295	L-SW-8 18	L-SE-6 18
21	2408919	L-SW-8 20	L-SE-6 20
23	2448543	L-SW-8 22	L-SE-6 22
25	2488167	L-SW-8 24	L-SE-6 24
27	2527791	L-SW-8 26	L-SE-6 26
29	2567415	L-SW-8 28	L-SE-6 28
31	2607039	L-SW-8 30	L-SE-6 30
33	2646663	L-SW-8 32	L-SE-6 32
35	2686287	L-SW-8 34	L-SE-6 34
37	2725911	L-SW-8 36	L-SE-6 36
39	2765535	L-SW-8 38	L-SE-6 38
41	2805159	L-SW-8 40	L-SE-6 40
43	2844783	L-SW-8 42	L-SE-6 42
45	2884407	L-SW-8 44	L-SE-6 44
47	2924031	L-SW-8 46	L-SE-6 46
49	2963655	L-SW-8 48	L-SE-6 48
51	3003279	L-SW-8 50	L-SE-6 50
53	3042903	L-SW-8 52	L-SE-6 52
55	3082527	L-SW-8 54	L-SE-6 54
57	3122151	L-SW-8 56	L-SE-6 56
59	3161775	L-SW-8 58	L-SE-6 58
61	3201399	L-SW-8 60	L-SE-6 60
63	3241023	L-SW-8 62	L-SE-6 62
65	3280647	L-SW-8 64	L-SE-6 64
67	3320271	L-SW-8 66	L-SE-6 66
69	3359895	L-SW-8 68	L-SE-6 68
71	3399519	L-SW-8 70	L-SE-6 70
73	3439143	L-SW-8 72	L-SE-6 72
75	3478767	L-SW-8 74	L-SE-6 74
77	3518391	L-SW-8 76	L-SE-6 76
79	3558015	L-SW-8 78	L-SE-6 78
81	3597639	L-SW-8 80	L-SE-6 80
83	3637263	L-SW-8 82	L-SE-6 82
85	3676887	L-SW-8 84	L-SE-6 84
87	3716511	L-SW-8 86	L-SE-6 86
89	3756135	L-SW-8 88	L-SE-6 88
91	3795759	L-SW-8 90	L-SE-6 90
93	3835383	L-SW-8 92	L-SE-6 92
95	3875007	L-SW-8 94	L-SE-6 94
97	3914631	L-SW-8 96	L-SE-6 96
99	3954257	L-SW-8 98	L-SE-6 98

GUIDED SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
2	2034878	2036615	L-SW-8 01	L-SE-6 01
4	2071251	2072990	L-SW-8 03	L-SE-6 03
6	2110875	2112614	L-SW-8 05	L-SE-6 05
8	2150499	2152238	L-SW-8 07	L-SE-6 07
10	2190123	2191862	L-SW-8 09	L-SE-6 09
12	2229747	2231486	L-SW-8 11	L-SE-6 11
14	2269371	2271110	L-SW-8 13	L-SE-6 13
16	2308995	2310734	L-SW-8 15	L-SE-6 15
18	2348619	2350358	L-SW-8 17	L-SE-6 17
20	2388243	2389982	L-SW-8 19	L-SE-6 19
22	2427867	2429606	L-SW-8 21	L-SE-6 21
24	2467491	2469230	L-SW-8 23	L-SE-6 23
26	2507115	2508854	L-SW-8 25	L-SE-6 25
28	2546739	2548478	L-SW-8 27	L-SE-6 27
30	2586363	2588102	L-SW-8 29	L-SE-6 29
32	2625987	2627726	L-SW-8 31	L-SE-6 31
34	2665611	2667350	L-SW-8 33	L-SE-6 33
36	2705235	2706974	L-SW-8 35	L-SE-6 35
38	2744859	2746598	L-SW-8 37	L-SE-6 37
40	2784483	2786222	L-SW-8 39	L-SE-6 39
42	2824107	2825846	L-SW-8 41	L-SE-6 41
44	2863731	2865470	L-SW-8 43	L-SE-6 43
46	2903355	2905094	L-SW-8 45	L-SE-6 45
48	2942979	2944718	L-SW-8 47	L-SE-6 47
50	2982603	2984342	L-SW-8 49	L-SE-6 49
52	3022227	3023966	L-SW-8 51	L-SE-6 51
54	3061851	3063590	L-SW-8 53	L-SE-6 53
56	3101475	3103214	L-SW-8 55	L-SE-6 55
58	3141099	3142838	L-SW-8 57	L-SE-6 57
60	3180723	3182462	L-SW-8 59	L-SE-6 59
62	3220347	3222086	L-SW-8 61	L-SE-6 61
64	3259971	3261710	L-SW-8 63	L-SE-6 63
66	3299595	3301334	L-SW-8 65	L-SE-6 65
68	3339219	3340958	L-SW-8 67	L-SE-6 67
70	3378843	3380582	L-SW-8 69	L-SE-6 69
72	3418467	3420206	L-SW-8 71	L-SE-6 71
74	3458091	3459830	L-SW-8 73	L-SE-6 73
76	3497715	3499454	L-SW-8 75	L-SE-6 75
78	3537339	3539078	L-SW-8 77	L-SE-6 77
80	3576963	3578702	L-SW-8 79	L-SE-6 79
82	3616587	3618326	L-SW-8 81	L-SE-6 81
84	3656211	3657950	L-SW-8 83	L-SE-6 83
86	3695835	3697574	L-SW-8 85	L-SE-6 85
88	3735459	3737198	L-SW-8 87	L-SE-6 87
90	3775083	3776822	L-SW-8 89	L-SE-6 89
92	3814707	3816446	L-SW-8 91	L-SE-6 91
94	3854331	3856070	L-SW-8 93	L-SE-6 93
96	3893955	3895694	L-SW-8 95	L-SE-6 95
98	3933579	3935318	L-SW-8 97	L-SE-6 97
100	3969953	3971690	L-SW-8 99	L-SE-6 99

TERMINATION SUPPORT LOCATIONS

INSTALL SEQUENCE	RING LOCATION	X-LEG SUPPORT ID	Y-LEG SUPPORT ID
1	2018775	L-SW-8 TM	L-SE-6 TM
101	3987158	L-SW-8 TE	L-SE-6 TE

▶ ENTIRE DRAWING REVISED

55710403.DGN

**APPROVED**

*M. Tellalian* 12-6-96  
DATE

**CBI**

*J. [Signature]* 12/13/96  
DATE

**CALTECH**

<b>CBI</b>		SUPPLIER'S / PURCHASER'S NO	
LIGO BEAM TUBE HANFORD, WA & LIVINGSTON, LA			
SUPPORT LOCATIONS FOR LIVINGSTON MODULES (LX2) & (LY2)			
CUSTOMER'S NO		CONTRACT NO	
BY ARL CHKD DTR DATE 3-10-96		953571	
M. L. TELLALIAN		DWG 3	REV
ENGINEERING ASSIGNED		SHT 4	5
1150-D950033-05-B			

▶ INDICATES CHANGE FROM PREVIOUS ISSUE