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COMPLETION REPORT

U. S. ATOMIC ENERGY COMMISSION
CONTRACT NO. AT-(201)-507



ENIWETOK PROVING GROUND FACILITIES

PROPERTY OF
U. S. GOVERNMENT

VOL. VII SURVEYS AND LOCATIONS

BEST COPY AVAILABLE

HOLMES & NARVER, INC.
LOS ANGELES, CALIFORNIA

STATUS VERIFIED UNCLASSIFIED
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John R. [Signature]

1 September 1951

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H & N 5/7/57
Alice Paul 5/20/57

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VOLUME VII
SURVEYS AND LOCATIONS

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- APPENDIX C - LOCATIONS OF SCIENTIFIC STA-
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AND BUILDINGS
- APPENDIX D - HORIZONTAL CONTROL SURVEY

Property of
U.S. DEPARTMENT OF ENERGY
OE/NV TECHNICAL INFORMATION
RESOURCE CENTER
Las Vegas, NV 89193

MAPS

MAPS

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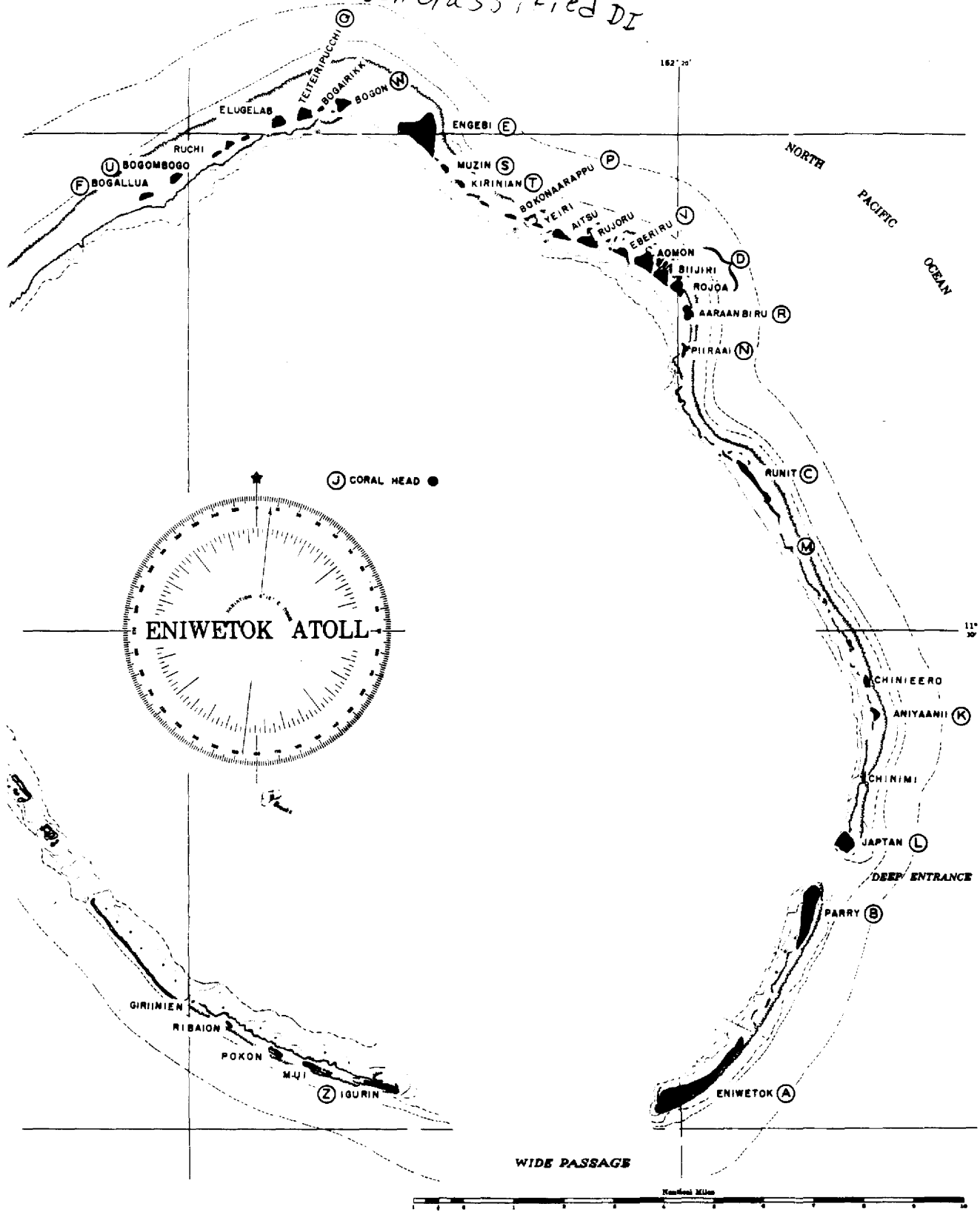
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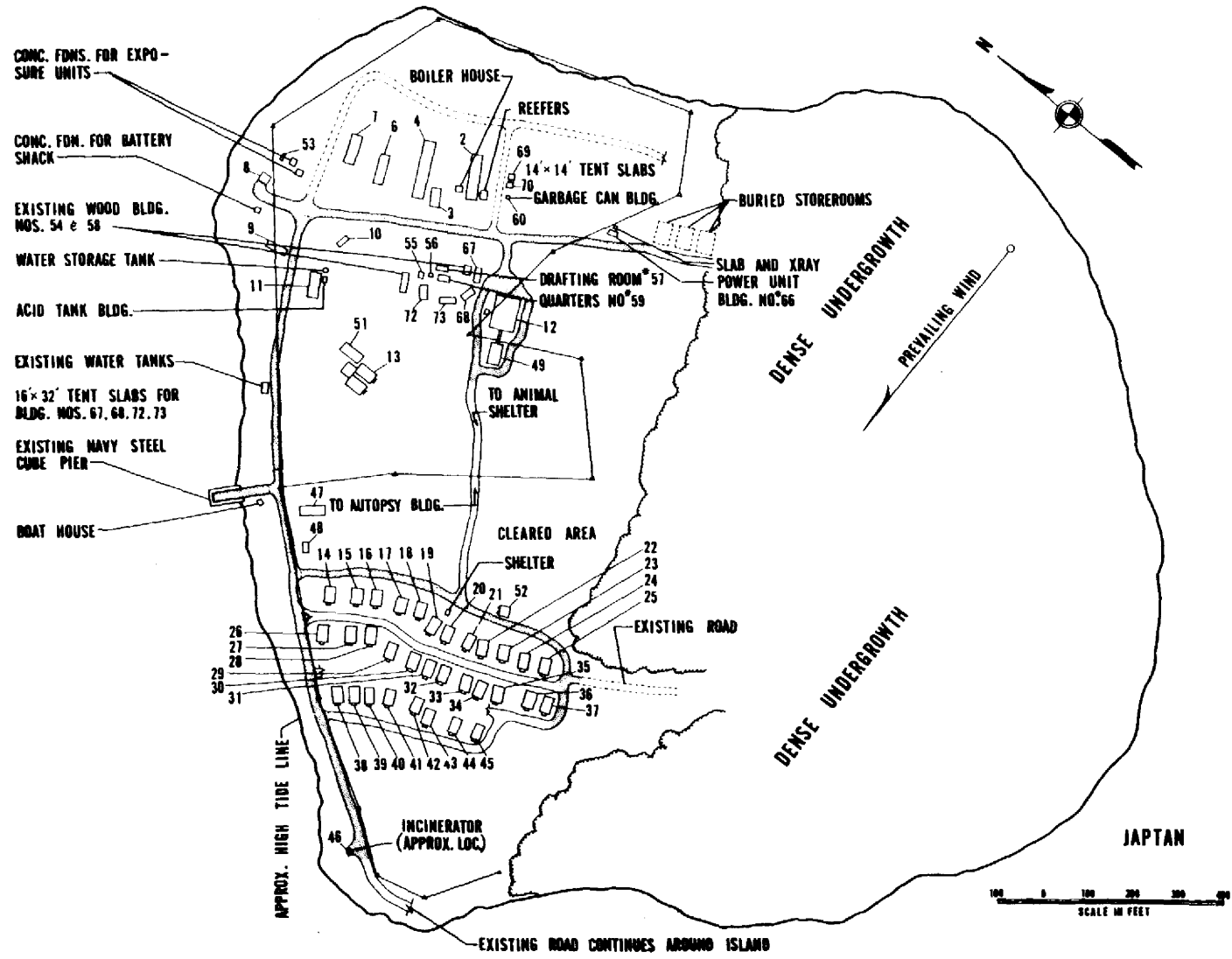
MAP OF MUZIN AND KIRINIAN

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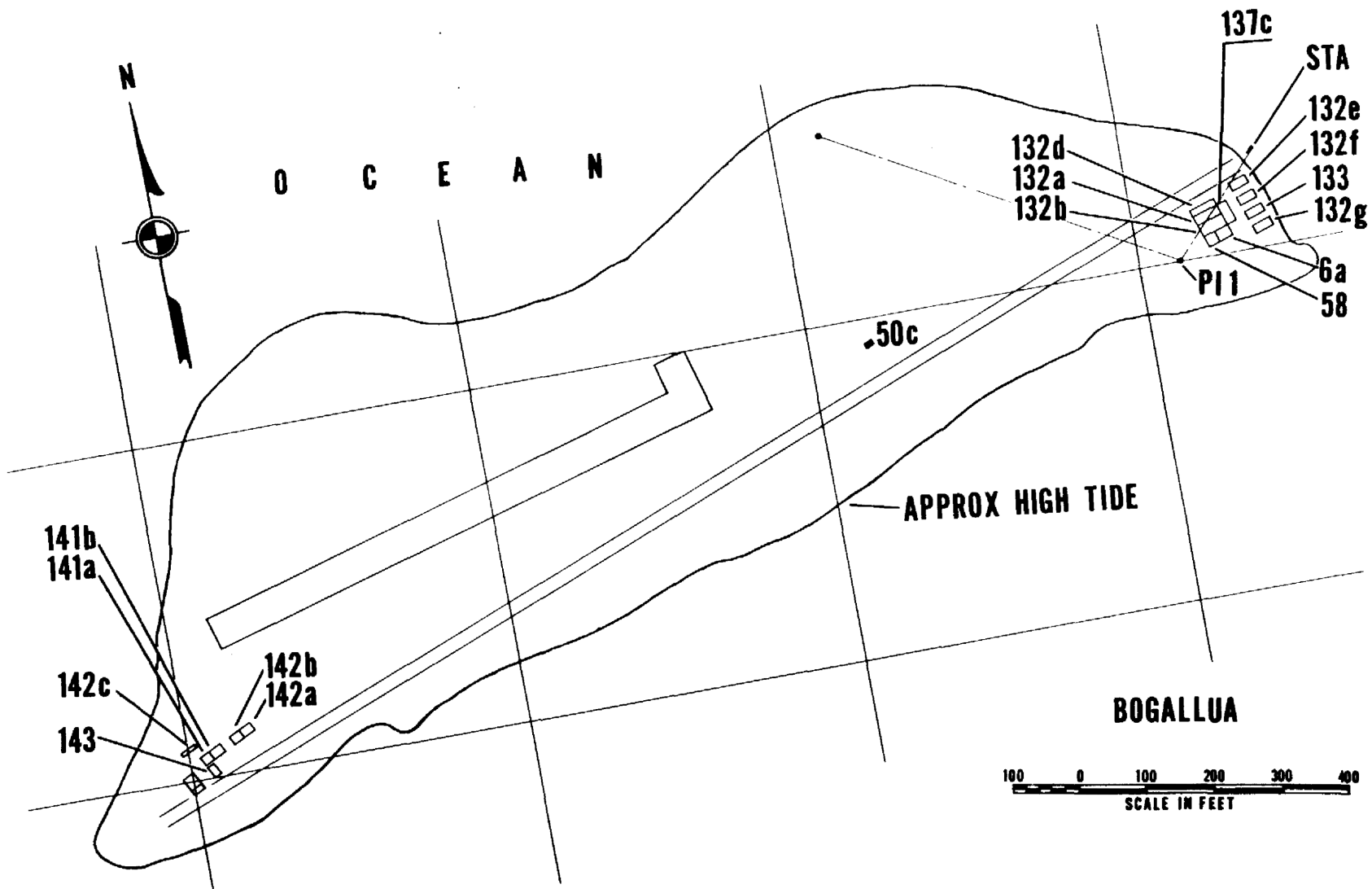
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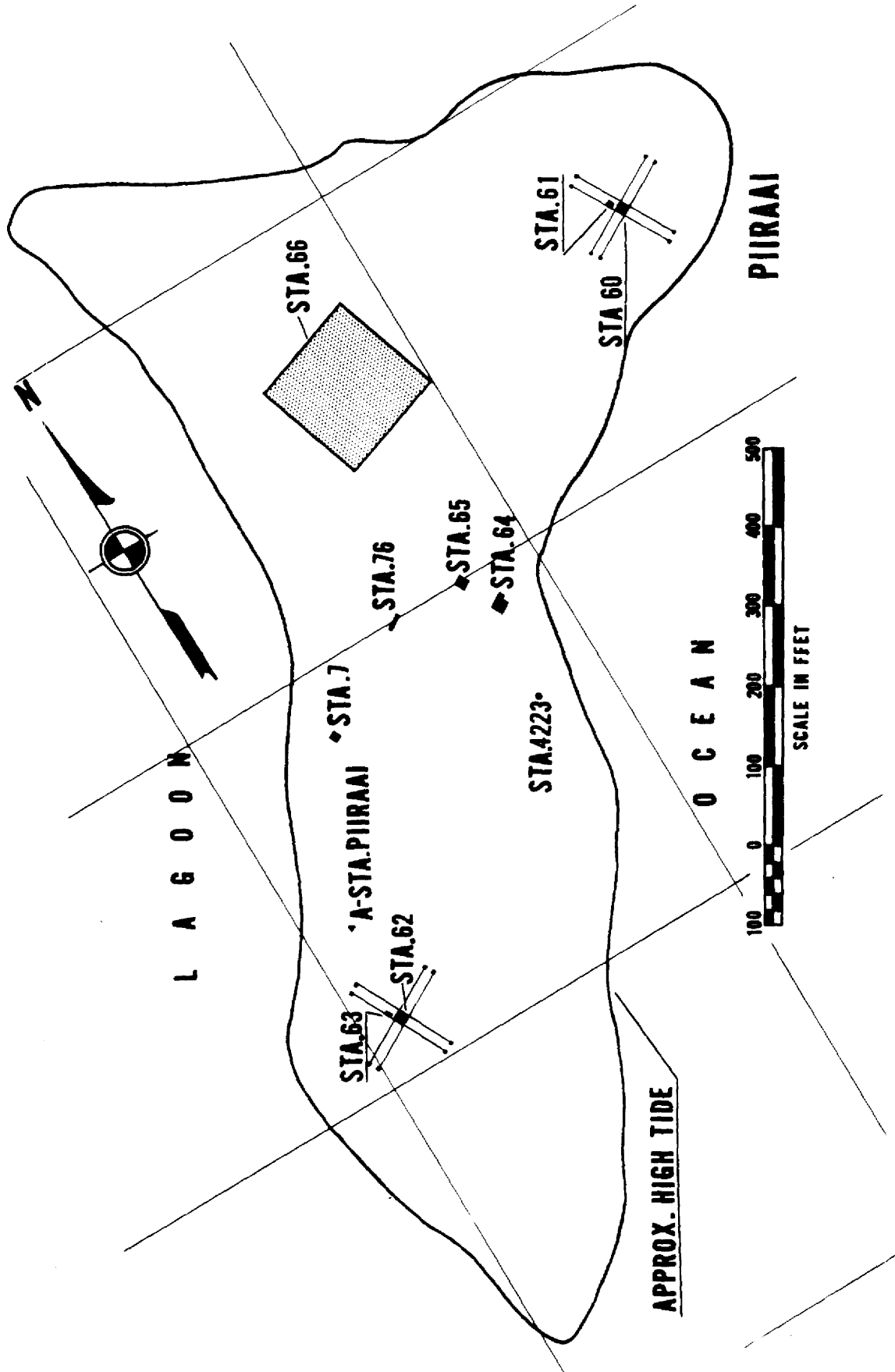


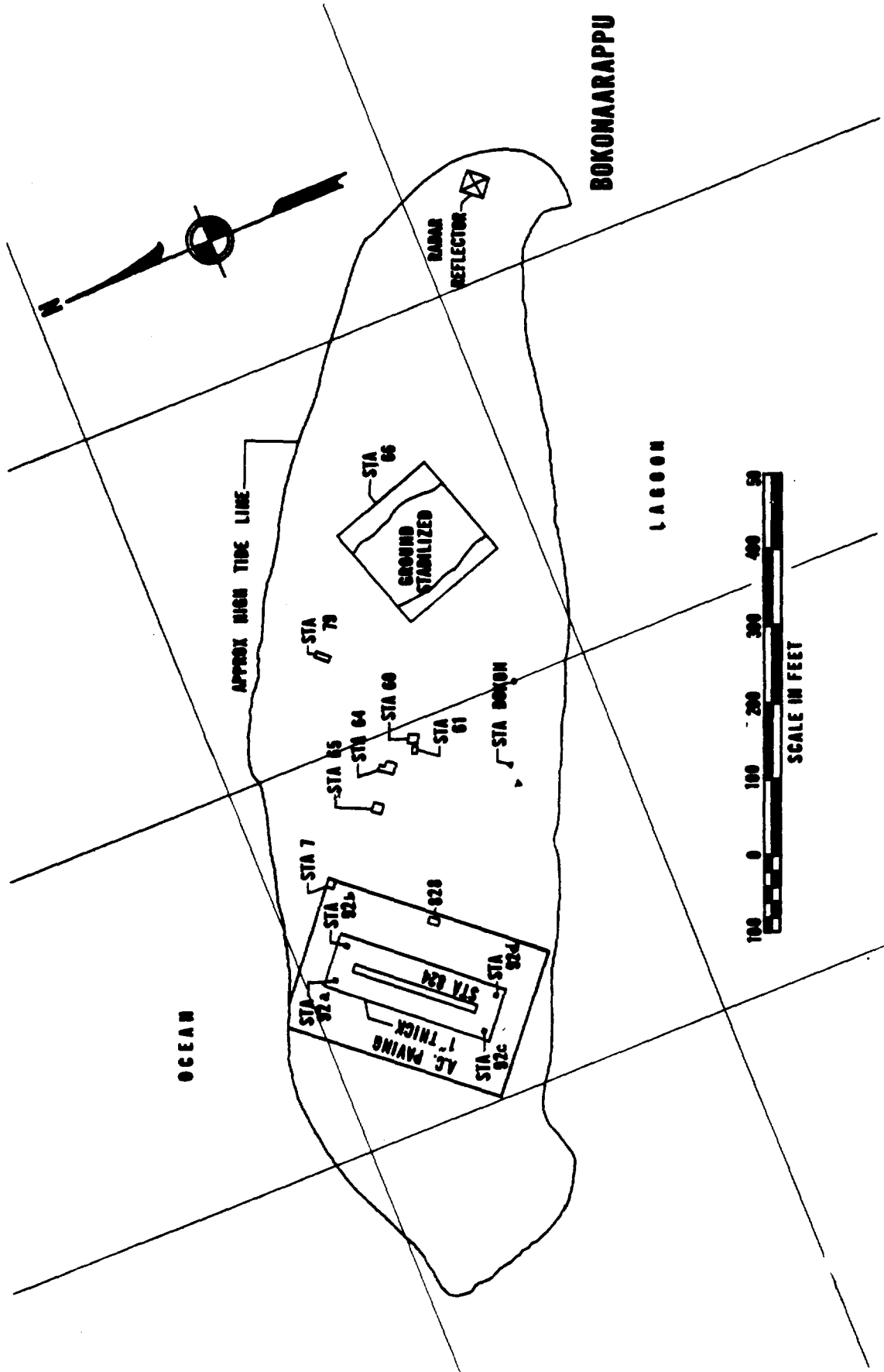
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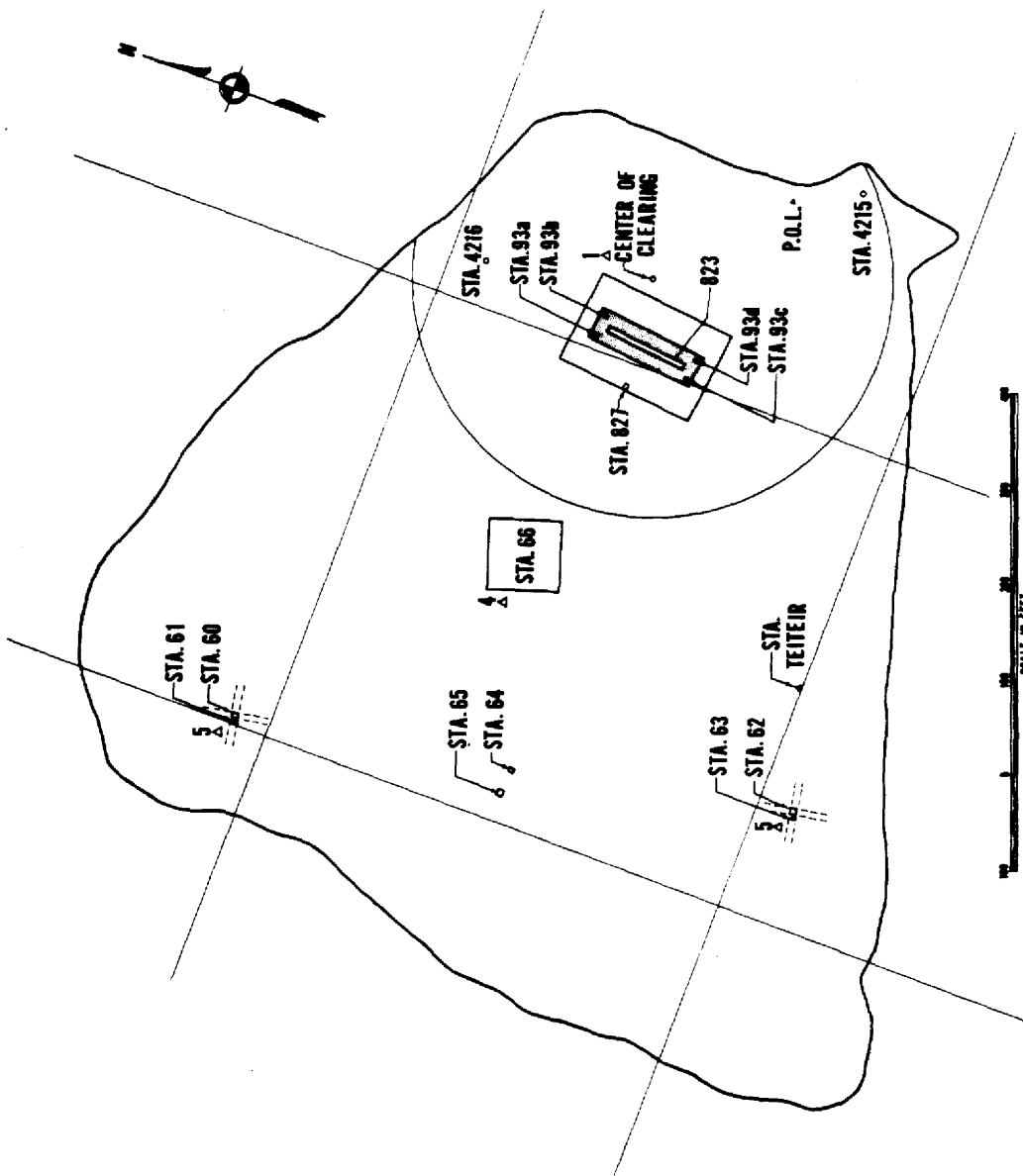


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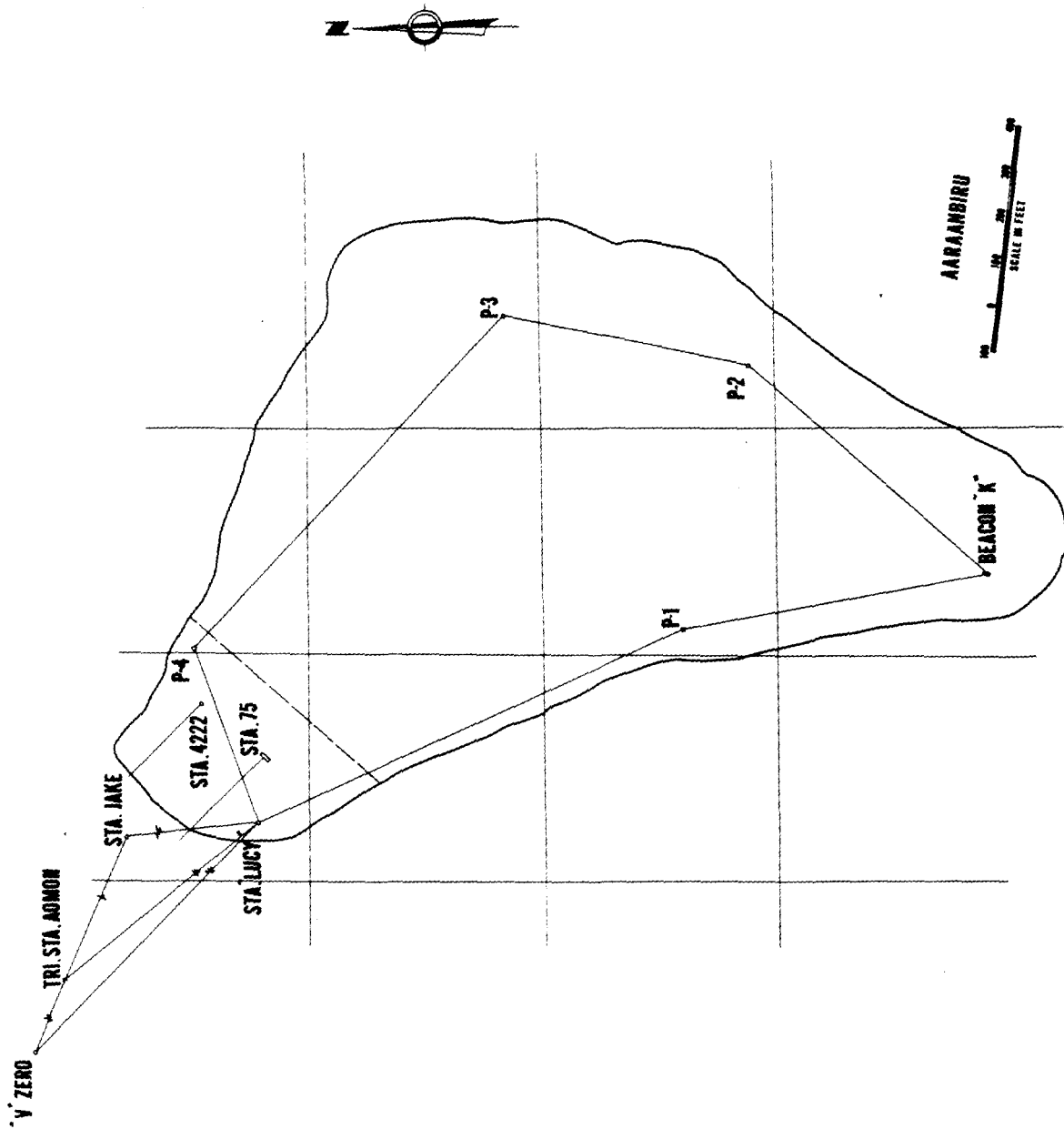
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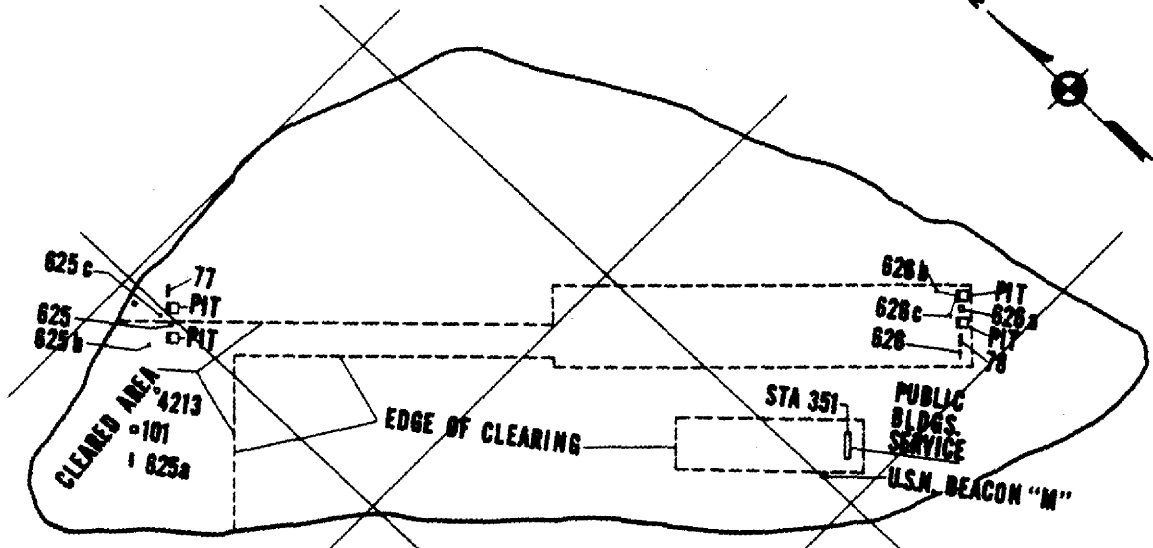
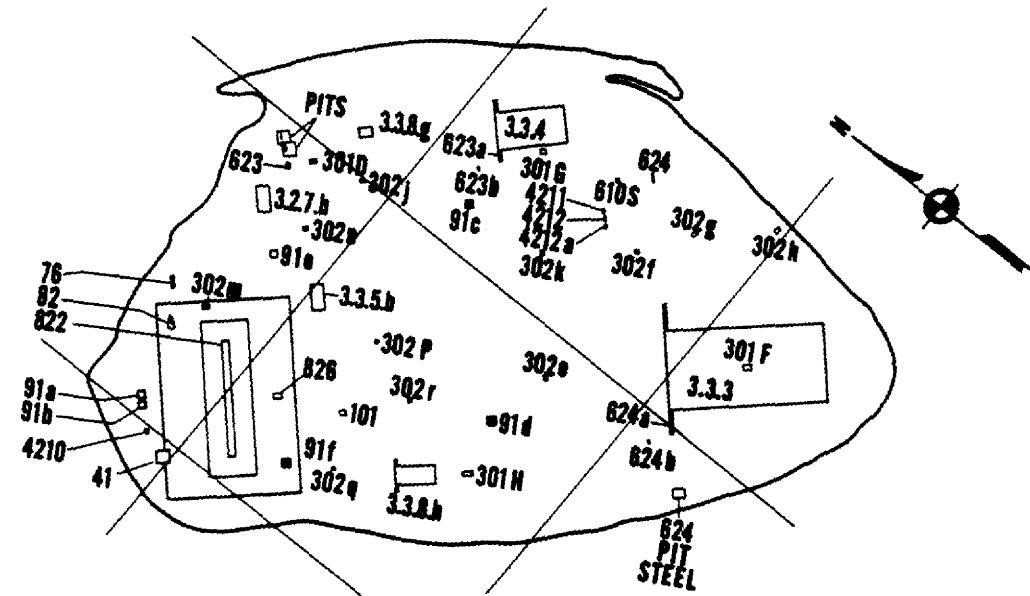
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LAGOON

MUZIM

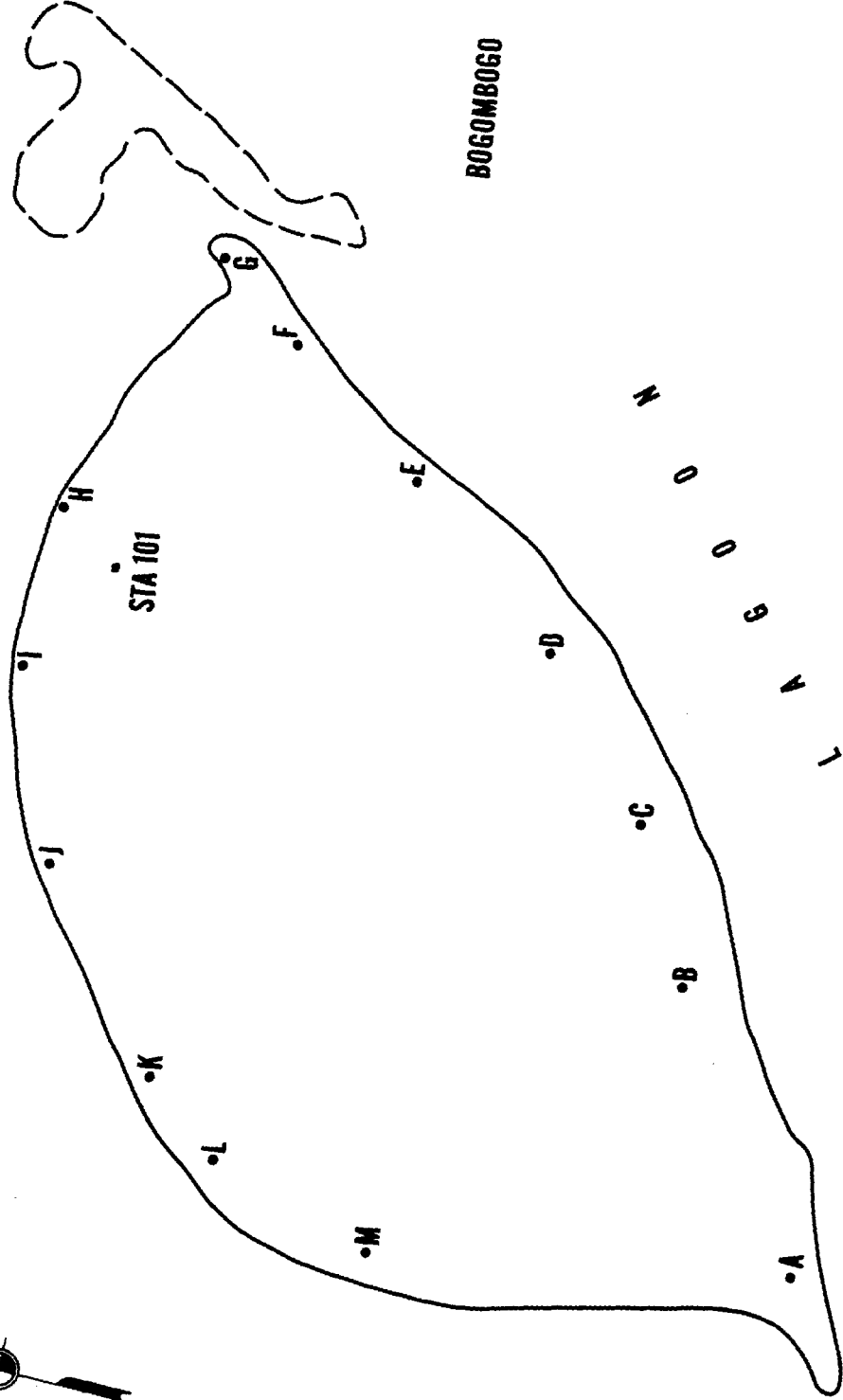
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APPENDIX B

Drawing Lists

DRAWING LISTS

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DRAWINGS FOR FACILITIES ON ISLAND "A"

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV- ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL</u>					
2B-112	18-Man Quarters	Floor Plan & Elevations	8-22-49	3	4-25-50
2B-113	36-Man Quarters	Floor Plan & Elevations	8-22-49	2	4-26-50
2B-123	36-Man Quarters	Architectural Details	12-17-49	0	4-29-50
2B-135	Showers & Latrine, 100-Man	Floor Plan & Elevations	8-24-49	5	10-25-50
2B-183	Showers & Latrine, 100-Man	Special Details	1-6-50	1	10-25-50
1A-901	South End, Location "A"	Site Plan	3-27-50	10	4-26-50
2A-913	72-Man Quarters - Bldgs. 11, 12, 13, 46, 47, 48, 49, 50	Floor Plan & Elevations	12-16-49	1	4-26-50
2A-914	72-Man Quarters - Bldgs. 11, 12, 13, 46, 47, 48, 49, 50	Foundation Plan	12-16-49	1	4-26-50
2B-916	18-Man Quarters	Special Details	12-16-49	0	4-29-50
2A-919	72-Man Quarters - Bldgs. 11, 12, 13, 46, 47, 48, 49, 50	Special Details	4-11-50	1	4-26-50
2A-933	Dispensary & Ward - Bldgs. 22, 23, 24	Foundation Plan	4-8-50	2	4-25-50
2A-934	Dispensary & Ward - Bldgs. 22, 23, 24	Floor Plan	4-8-50	3	4-26-50
2A-935	Reefer - Bldg. 33	Floor Plan	4-11-50	1	4-26-50
2A-936	Reefer - Bldg. 33	Elevations & Details	4-19-50	1	4-19-50
2A-937	Reefer - Bldg. 33	Foundation Plan	4-11-50	1	4-25-50

2A-939	Commissary - Bldg. 37	Foundation Plan	4-5-50	2	4-25-50
2A-940	Commissary - Bldg. 37	Floor Plan & Elevations	4-21-50	3	4-26-50
2A-941	Transmitter Bldg. & Transmitter Power - Bldgs. 3 & 4	Floor Plans & Elevations	2-2-50	3	10-19-50
2A-943	Transmitter Bldg. & Transmitter Power - Bldgs. 3 & 4	Foundation Plan	2-2-50	2	4-29-50
1A-946	North End, Location "A"	Site Plan	3-27-50	10	1-8-51
2A-952	Bakery - Bldg. 35	Floor Plan & Elevations	4-5-50	2	4-25-50
2A-953	Bakery - Bldg. 35	Foundation Plan	4-5-50	0	4-18-50
2A-954	Base Operations - Bldg. 89	Floor Plan & Elevations	4-26-50	2	10-19-50
4A-955	Power & Water Distillation Plant - Bldg. 56	Floor Plan	4-11-50	2	4-26-50
4A-957	Power & Water Distillation Plant - Bldg. 56	Elevations & Special Details	4-11-50	0	4-21-50
2A-964	P.O.L. Pump House - Bldg. 94	Architectural & Structural	4-11-50	0	4-21-50
2A-966	Dispensary - Bldg. 24	Elevations & Special Details	4-8-50	2	4-8-50
2A-967	Open Air Motion Picture Theatre with Stage - Bldg. 108	Theatre Plan, Stage & Screen Details	4-8-50	0	4-21-50
2A-969	Open Air Theatre - Bldg. 30	Theatre Plan, Elevations, & Details	4-26-50	1	4-26-50
2A-970	Dispensary - Bldg. 24	Toilet Room Details	4-8-50	2	4-25-50
2A-971	Receiver Bldg. & Power Plant - Bldgs. 84 & 85	Floor Plan, Elevations, & Details	3-2-50	2	10-19-50
2A-972	Mess Hall - Bldg. 36	Floor Plan	4-5-50	1	4-25-50

DRAWINGS FOR FACILITIES ON ISLAND "A" (Continued)

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV- ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL (Continued)</u>					
2A-973	Mess Hall - Bldg. 36	Dining Room Plan & Bldg. Elevations	4-5-50	1	4-25-50
2A-974	Dispensary - Bldg. 24	Miscellaneous Details	4-8-50	3	4-26-50
2A-975	Boiler House - Bldg. 34	Floor Plan & Elevations	4-5-50	1	4-25-50
2A-976	Commissary - Bldg. 37	Special Details	4-5-50	0	4-21-50
2A-977	Mess Hall - Bldg. 36	Special Details	4-19-50	1	4-19-50
2A-978	Bakery - Bldg. 35	Special Details	4-19-50	2	4-19-50
2A-979	Wards - Bldgs. 22 & 23	Floor Plan & Elevations	4-8-50	1	4-25-50
2A-980	Wards - Bldgs. 22 & 23	Special Details	4-8-50	1	4-25-50
2A-982	Salt Water Pump Station - Bldg. 124	Floor Plans & Elevations	4-11-50	0	4-21-50
2A-984	Laundry - Bldg. 31	Floor Plan, Elevations, & Special Details	4-8-50	1	4-29-50
2A-985	Air Force Drone Group Headquarters - Bldg. 77	Floor Plan & Elevations	4-8-50	1	4-25-50
2A-989	Laboratory - Bldg. 57	Architectural, Electrical, & Mechanical	4-26-50	1	4-26-50
2A-991	Base Operations - Bldg. 89	Special Details	4-26-50	1	4-26-50
2A-995	Air Task Group Headquarters - Bldg. 90	Floor Plan	4-25-50	3	1-30-51
2A-996	Fire Station - Bldg. 29	Plans, Elevations, & Details	4-8-50	1	4-8-50

2A-997	Dispatcher's Bldg. - Bldg. 14	Architectural & Electrical Plans	4-8-50	0	4-21-50
2A-998	Air Task Group Headquarters - Bldg. 90	Elevations & Special Details	4-8-50	1	1-30-51
2A-999	Boiler House - Bldg. 34	Foundation Plan	4-5-50	0	4-5-50
2A-5101	Decontamination Shower & 200-Man Latrine - Bldg. 125	Plans, Elevations, & Details	5-8-50	0	5-8-50
2A-5102	P.X., Barber Shop, Post Office - Bldg. 16	Floor Plan	4-8-50	1	4-25-50
2A-5103	P.X., Barber Shop, Post Office - Bldg. 16	Elevations & Details	4-8-50	0	4-8-50
2A-5104	300-Man Latrine - Bldg. 127	Architectural & Electrical	4-29-50	0	4-29-50
2A-5105	Air Force Drone Group Headquarters - Bldg. 77	Foundation Plan	4-8-50	0	4-21-50
2A-5106	50-Man Latrine - Bldgs. 126, 128, 129	Floor Plans, Elevations, & Details	4-8-50	0	4-21-50
2A-5107	Group Headquarters - Bldg. 15	Floor Plan	4-6-50	2	10-19-50
2A-5108	Group Headquarters - Bldg. 15	Elevations	4-6-50	1	4-25-50
2A-5109	Crash Truck Shelter - Bldg. 91	Architectural & Electrical	4-8-50	0	4-21-50
2A-5110	Weather Instrument Repair Shop - Bldg. 88	Architectural & Electrical	4-11-50	0	4-21-50
2A-5111	P.X., Barber Shop, Post Office - Bldg. 16	Miscellaneous Details	4-8-50	0	4-8-50
2A-5112	L-13 Operations - Bldg. 92	Architectural & Electrical	4-29-50	1	4-29-50
2A-5113	Hydrogen Storage - Bldg. 87	Architectural & Electrical	4-21-50	0	4-21-50
2A-5114	Group Headquarters - Bldg. 15	Special Details	4-8-50	0	4-8-50

DRAWINGS FOR FACILITIES ON ISLAND "A" (Continued)

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL (Continued)</u>					
2A-5116	Group Headquarters - Bldg. 15	Battery Closet & Vault Conn. Details	4-6-50	0	4-6-50
2A-5117	Typical Tent Frame, 8-Man Tent	Plan, Elevations, & Details	4-19-50	1	4-19-50
2A-5119	Base Operations Control Tower - Bldg. 89	Architectural Details	4-26-50	0	4-26-50
2A-5120	Open Air Showers - Bldg. 9	Plan & Details	4-8-50	1	4-24-50
2A-5122	NRDL & Chemical Corps Area - Bldgs. 117A, B, C, D, & E	Architectural, Electrical, & Plumbing Plans	4-12-50	0	4-12-50
2B-5123	Guard Post & Telephone Shelter - Bldgs. 132 (Loc. "A"), 213, 214, 408, 332 (Loc. "B")	Architectural & Electrical	4-29-50	1	10-9-50
2A-5124	L-13 Maintenance - Bldg. 93	Floor Plan, Elevations, & Details	4-18-50	0	4-18-50
2A-5125	Booster Pump House - Bldg. 131	Architectural & Electrical	4-29-50	0	4-29-50
2A-5126	L-13 Maintenance - Bldg. 93	Foundation Plan	5-1-50	0	5-1-50
2A-5127	Loran Bldg. - Bldg. 116	Floor Plan & Elevations	8-29-50	2	9-18-50
2A-5128	Loran Bldg. - Bldg. 116	Special Details	8-29-50	3	10-19-50
2A-5158	Steam Cleaning - Bldg. 117F	Floor Plan, Elevations, & Details; Architectural, Mechanical, & Electrical	12-21-50	0	12-21-50
3A-5162	Station 190 & 191 (Loc. "A"), Station 192 (Loc. "X")	Architectural & Electrical	12-21-50	0	12-21-50

2A-5177	Stage Addition - Bldg. 135	Plan, Elevations, & Details	1-30-51	0	1-30-51
SK-119	Typical Aluminum Locker for Living Quarters	Sketch	Not sent	0	-
SK-163	Clothes Hooks	Sketch	Not sent	0	-
SK-164	Shelf Bracket	Sketch	Not sent	0	-
SK-165	Toilet Paper Holder	Sketch	Not sent	0	-
SK-166	Metal Connections - Bldg. 108	Sketch	Not sent	0	-
SK-169	Bent Plate Clips - 4-Man Tent Frames	Sketch	Not sent	0	-
SK-170	Window Grille - Post Office	Sketch	Not sent	0	-
SK-171	Typical Hinge for Interior Doors	Sketch	Not sent	0	-
SK-174	1½" x 2½" Aluminum Cabinet Hinge	Sketch	Not sent	0	-
SK-175	2½" x 2½" Aluminum Cabinet Hinge	Sketch	Not sent	0	-
SK-176	Aluminum Offset Cabinet Hinge	Sketch	Not sent	0	-
SK-177	6" Aluminum Hinge Hasp	Sketch	Not sent	0	-
SK-178	3" Aluminum Barrel Bolts	Sketch	Not sent	0	-
SK-179	3½" Aluminum Hinge Hasp	Sketch	Not sent	0	-
SK-180	4" Aluminum Barrel Bolts	Sketch	Not sent	0	-
SK-181	6" Aluminum Barrel Bolts	Sketch	Not sent	0	-
SK-183	Aluminum Sash Details - Bldg. 89	Sketch	Not sent	0	-
SK-184	Corner & Intermediate Mullions - Central Tower	Sketch	Not sent	0	-

DRAWINGS FOR FACILITIES ON ISLAND "A" (Continued)

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL</u> (Continued)					
SK-185	Clip Angles for Stairs - Central Tower	Sketch	Not sent	0	-
SK-188	Ridge-Hip Connector - 8-Man Tent Frame	Sketch	Not sent	0	-
SK-192	Suggested Method of Splicing Shutter Panels D-18 for Use as Full-Height Wall Panels	Sketch	Not sent	0	-
<u>CIVIL</u>					
13A-211	South End, Location "A"	Road Paving & Bldg. Location	4-5-50	3	5-1-50
13A-212	South Middle, Location "A"	Road Paving & Bldg. Location	4-5-50	1	4-29-50
13A-213	North Middle, Location "A"	Road Paving & Bldg. Location	4-5-50	2	9-25-50
13A-214	North End, Location "A"	Road Paving & Bldg. Location	4-5-50	3	7-7-50
3A-227	Cargo Pier Extension		12-16-49	1	2-16-50
14A-230	P.O.L. Facilities	Location & Grading Plan	4-6-50	2	4-8-50
3A-231	Cargo Pier Approach		1-8-51	0	1-8-51
7A-272	Loran Station		8-29-50	1	9-18-50
16A-274	North End, Eniwetok Island	Topography	Not sent	0	-
16A-275	North Middle, Eniwetok Island	Topography	Not sent	0	-
16A-276	South Middle, Eniwetok Island	Topography	Not sent	0	-

16A-277	South End, Eniwetok Island	Topography	Not sent	0	-
SK-205	Personnel Pier, Eniwetok Island	Sketch	9-22-49	0	9-22-49
SK-207	Typical Personnel Landing	Sketch	9-30-49	0	9-30-49
SK-208	Typical Pier, Cargo & Personnel	Sketch	9-30-49	0	9-30-49
SK-210	Cargo Pier Extension, Eniwetok Island	Sketch	Not sent	0	-
SK-212	Pier Locations, Eniwetok Atoll	Sketch	Not sent	0	-
SK-215	Typical Steel Tower Layout	Sketch	Not sent	0	-
SK-216	Tie-Down Lug for L-13 Planes	Sketch	2-15-50	0	2-15-50

ELECTRICAL

2A-371	72-Man Quarters - Bldgs. 11, 13, 46, 50	Electrical Plan	12-16-49	1	5-4-50
4A-383	Power & Water Distillation Plant - Bldg. 56	Electrical Conduit Arrangement & Single-Line Diagram	4-10-50	3	5-24-50
2A-384	Reefer - Bldg. 33	Electrical Plan	4-20-50	2	4-20-50
4A-386	Power & Water Distillation Plant - Bldg. 56	Electrical Underground Conduit Plan	4-10-50	3	5-24-50
2A-387	Salt Water Pump House - Bldg. 124	Electrical Plan	4-20-50	1	4-20-50
2A-389	Commissary Bldg. - Bldg. 37	Electrical Plan	4-5-50	1	4-5-50
4A-392	Power & Water Distillation Plant - Bldg. 56	Lighting Plan	4-20-50	3	5-24-50
2A-393	Transmitter Bldg. & Transmitter Power - Bldgs. 3 & 4	Electrical Plan	2-2-50	2	7-5-50

DRAWINGS FOR FACILITIES ON ISLAND "A" (Continued)

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL (Continued)</u>					
4A-394	Power & Water Distillation Plant - Bldg. 56	Electrical Underground Conduit Details & Single-Line Diagram	4-10-50	1	4-21-50
4A-395	Power & Water Distillation Plant - Bldg. 56	Electrical Underground Schedules, Elevations, & Sections	4-10-50	2	4-21-50
2A-398	Dispensary, East Wing - Bldg. 24	Electrical Plan	4-11-50	1	4-11-50
2A-399	Dispensary, West Wing - Bldg. 24	Electrical Plan	4-11-50	1	4-11-50
2A-001	Dispensary Ward - Bldgs. 22 & 23	Electrical Plan	4-11-50	1	4-11-50
2A-005	Open Air Motion Picture Theatre - Bldg. 30	Electrical Plan	4-8-50	1	4-20-50
2A-006	Open Air Motion Picture Theatre (With Stage) - Bldg. 108	Electrical Plan	4-8-50	0	4-21-50
6A-007	North End, Location "A"	Electrical Overhead Distribution	4-5-50	1	4-21-50
6A-009	North Middle, Location "A"	Electrical Overhead Distribution	4-21-50	1	4-21-50
6A-010	South Middle, Location "A"	Electrical Overhead Distribution	4-21-50	1	4-21-50
6A-011	South End, Location "A"	Electrical Overhead Distribution	4-5-50	1	4-21-50
7A-012	North End, Location "A"	Telephone Overhead & Underground Distribution	4-5-50	1	4-21-50
7A-013	North Middle, Location "A"	Telephone Overhead & Underground Distribution	4-5-50	0	4-21-50
7A-014	South Middle, Location "A"	Telephone Overhead & Underground Distribution	4-5-50	0	4-21-50

7A-015	South End, Location "A"	Telephone Overhead & Underground Distribution	4-5-50	1	4-21-50
2A-018	Receiver Bldg. & Power Plant - Bldgs. 84 & 85	Electrical Plan	3-2-50	3	7-5-50
2A-019	P.O.L. Pump Station - Bldg. 94	Electrical Plan	4-8-50	0	4-21-50
2A-022	Laundry - Bldg. 31	Electrical Plan	4-8-50	1	4-21-50
2A-023	Mess Hall - Bldg. 36	Lighting Plan	4-5-50	1	4-20-50
2A-024	Mess Hall - Bldg. 36	Power Plan	4-5-50	0	5-8-50
2A-025	Bakery - Bldg. 35	Electrical Lighting & Power	4-5-50	0	4-21-50
2A-028	Boiler House - Bldg. 34	Electrical Plan	4-5-50	1	4-20-50
2A-032	Air Task Force Headquarters - Bldg. 90	Lighting Plan	4-8-50	3	1-30-51
2A-033	Air Force Drone Group Headquarters - Bldg. 77	Electrical Plan	4-8-50	1	4-20-50
2A-034	Base Operations - Bldg. 89	Electrical Plan	4-12-50	4	7-5-50
2A-036	Group Headquarters - Bldg. 15	Electrical Plan	4-6-50	0	4-21-50
2A-037	Group Headquarters - Bldg. 15	Electrical Plan	4-6-50	0	4-21-50
2A-043	P.X., Barber Shop, Post Office - Bldg. 16	Electrical Plan	4-8-50	1	4-20-50
2A-044	Decontamination Shower & 200-Man Latrine - Bldg. 125	Electrical Plan	4-11-50	1	4-20-50
2A-045	50-Man Latrine - Bldgs. 126, 128, 129	Electrical Plan	4-8-50	1	4-20-50
2A-046	Tent Lighting in Tent Area & 100-Man Latrine	Electrical Details	4-11-50	1	4-19-50

DRAWINGS FOR FACILITIES ON ISLAND "A" (Continued)

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL</u> (Continued)					
6A-051	Fresh & Salt Water Pumps - North End, Location "A"	Electrical Control Plan	4-10-50	1	4-21-50
6A-052	Fresh & Salt Water Pumps - North Middle, Location "A"	Electrical Control Plan	4-10-50	0	4-21-50
2A-054	L-13 Maintenance - Bldg. 93	Electrical Plan	4-29-50	0	4-29-50
2A-058	Loran Bldg. - Bldg. 116	Electrical Plan	8-29-50	2	9-18-50
2A-989	Laboratory - Bldg. 57	Architectural, Electrical, & Mechanical	4-26-50	1	4-26-50
2A-996	Fire Station - Bldg. 29	Plans, Elevations, & Details	4-8-50	1	4-21-50
2A-997	Dispatcher Bldg. - Bldg. 14	Architectural & Electrical Plans	4-8-50	0	4-21-50
2A-5104	300-Man Latrine - Bldg. 127	Architectural & Electrical	4-29-50	0	5-1-50
2A-5109	Crash Truck Bldg. - Bldg. 91	Architectural & Electrical	4-8-50	0	4-21-50
2A-5110	Weather Instrument Repair Shop - Bldg. 88	Architectural & Electrical	4-11-50	0	4-21-50
2A-5112	L-13 Operations - Bldg. 92	Architectural & Electrical	4-29-50	1	5-1-50
2A-5113	Hydrogen Storage - Bldg. 87	Architectural & Electrical	4-21-50	0	4-21-50
2A-5122	NRDL & Chemical Corps Area - Bldgs. 117A, B, C, D, & E	Architectural, Electrical, & Plumbing Plan	4-12-50	0	4-21-50
2B-5123	Guard Post & Telephone Shelter - Bldgs. 132 (Loc. "A"), 213, 214, 408, 332 (Loc. -)	Site Plan	4-29-50	1	9-5

2A-5125	Booster Pump House - Bldg. 131	Architectural & Electrical	4-29-50	0	4-29-50
2A-5158	Steam Cleaning Shelter - Bldg. 117F	Architectural, Mechanical, & Electrical; Floor Plan, Elevations, & Details	12-21-50	0	12-21-50
3A-5162	Station 190 - 191 (Loc. "A") - Station 192 (Loc. "X")	Architectural & Electrical	12-21-50	0	12-21-50
SK-156	Receiver Bldg. "A"	Sketch	Not sent	0	-
SK-157	Receiver Power Bldg. "S"	Sketch	Not sent	0	-
SK-158	Transmitter Bldg. & Transmitter Power - Bldgs. 3 & 4	Sketch	Not sent	0	-

SANITARY

9A-525	Salt Water Pump Station	Piping Details	4-11-50	0	4-21-50
10A-526	North End, Location "A"	Sanitary Sewer System	4-5-50	4	6-7-50
10A-527	North Middle, Location "A"	Sanitary Sewer System	4-5-50	3	5-22-50
10A-528	South Middle, Location "A"	Sanitary Sewer System	4-5-50	0	4-21-50
10A-529	South End, Location "A"	Sanitary Sewer System	4-5-50	0	4-21-50
9A-530	North End, Location "A"	Fresh Water System	4-26-50	2	4-26-50
9A-531	North Middle, Location "A"	Fresh Water System	4-11-50	2	5-22-50
9A-532	South Middle, Location "A"	Fresh Water System	4-11-50	0	4-21-50
9A-533	South End, Location "A"	Fresh Water System	4-11-50	1	5-22-50

DRAWINGS FOR FACILITIES ON ISLAND "A" (Continued)

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>SANITARY</u> (Continued)					
9A-534	North End, Location "A"	Salt Water System	4-26-50	2	5-22-50
9A-535	North Middle, Location "A"	Salt Water System	4-6-50	1	5-22-50
9A-536	South Middle, Location "A"	Salt Water System	4-11-50	0	4-21-50
9A-537	South End, Location "A"	Salt Water System	4-11-50	2	5-22-50
9A-538	Location "A"	Water System Details	4-11-50	0	4-21-50
9A-540	Booster Salt & Fresh Water Pump Station - Bldg. 131	General Piping Details	5-18-50	0	5-18-50
9A-541	Pipe Line-Water Barge to Shore	Plan & Details	6-26-50	0	6-26-50
<u>MECHANICAL</u>					
2A-437	72-Man Quarters - Bldgs. 11, 12, 13, 46, 47; 48, 49, 50	Plumbing	12-16-49	1	4-24-50
4A-459	Power & Water Distillation Plant - Bldg. 56	Equipment & Piping Plan	4-11-50	2	4-24-50
4A-460	Power & Water Distillation Plant - Bldg. 56	Underground Piping Plan	4-11-50	1	4-24-50
4A-461	Power & Water Distillation Plant - Bldg. 56	Diesel Engine Piping	4-11-50	1	4-24-50
4A-462	Power & Water Distillation Plant - Bldg. 56	Distillation Unit Piping	4-11-50	2	4-24-50

4A-463	Power & Water Distillation Plant - Bldg. 56	Miscellaneous Details	4-11-50	3	4-24-50
2A-464	Transmitter Bldg. & Transmitter Power - Bldgs. 3 & 4	Plumbing & Ventilation	2-2-50	2	4-24-50
11A-465	P.O.L. Facilities	Plot Plan	4-8-50	1	4-24-50
11A-466	P.O.L. Facilities	Piping & Instrument Diagram	4-8-50	1	4-26-50
11A-467	P.O.L. Facilities - Bldg. 94	Pump House Piping & Equipment Plan	4-11-50	1	4-24-50
11A-468	P.O.L. Facilities - Bldg. 95	100-Octane Aviation Gas Storage Equipment & Piping Plan	4-8-50	1	4-24-50
11A-469	P.O.L. Facilities - Bldg. 95A	Mogas & 91-Octane Aviation Gas Storage Equipment & Piping Plan	4-8-50	1	4-24-50
11A-470	P.O.L. Facilities - Bldg. 96A	Diesel Oil Storage Equipment & Piping Plan	4-8-50	1	4-24-50
11A-471	P.O.L. Facilities - Bldg. 96	J P-1 Fuel Storage Piping & Equipment Plan and Miscellaneous Piping Sections & Details	4-8-50	1	4-24-50
2A-472	Dispensary Ward - Bldgs. 22 & 23	Plumbing & Details	4-8-50	1	4-24-50
2A-473	Dispensary, East Wing - Bldg. 24	Plumbing, Dehumidification, & Ventilation	4-8-50	2	4-24-50
2A-474	Dispensary, West Wing - Bldg. 24	Plumbing & Exhaust Hood Details	4-8-50	0	4-21-50
2A-481	Reefer - Bldg. 33	Plumbing	4-11-50	1	4-24-50
2A-482	Commissary - Bldg. 37	Plumbing	4-5-50	1	4-21-50
2A-484	Mess Hall - Bldg. 36	Exhaust Hood Details for Hoods over Ranges & Bake Ovens	4-5-50	0	4-21-50
2A-485	Mess Hall - Bldg. 36	Exhaust Hood Details for Hoods over Dishwasher & Steam Kettles	4-5-50	0	4-21-50

DRAWINGS FOR FACILITIES ON ISLAND "A" (Continued)

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REVISIONS	DATE LAST REVISION TO JOBSITE
<u>MECHANICAL</u> (Continued)					
2A-486	Receiver Bldg. & Power Plant - Bldgs. 84 & 85	Plumbing	3-2-50	1	4-24-50
2A-487	Mess Hall - Bldg. 36	Underground Plumbing	4-5-50	2	4-19-50
2A-488	Mess Hall - Bldg. 36	Aboveground Piping	4-5-50	2	4-19-50
2A-490	Bakery - Bldg. 35	Plumbing	4-5-50	1	4-21-50
2A-491	Bakery - Bldg. 35	Exhaust Hood Details	4-5-50	0	4-21-50
2A-492	Boiler House - Bldg. 34	Piping & Details	4-5-50	1	4-24-50
2A-494	Laundry - Bldg. 31	Plumbing	4-8-50	0	4-21-50
2A-495	Underground Steam Piping Between Boiler House & Mess Hall Bldgs.	Plan & Details	4-5-50	0	4-21-50
2A-496	Air Task Group Headquarters - Bldg. 90	Plumbing	4-8-50	1	4-24-50
2A-498	Base Operations - Bldg. 89	Plumbing	4-8-50	1	4-21-50
2A-499	300-Man Latrine - Bldg. 127	Plumbing	4-8-50	0	4-21-50
2A-989	Laboratory - Bldg. 57	Architectural, Electrical, & Mechanical	4-26-50	1	4-26-50
2A-5122	NRDL & Chemical Corps Area - Bldgs. 117A, B, C, D, & E	Architectural, Electrical, & Plumbing Plans	4-12-50	0	4-12-50
2A-5158	Steam Cleaning - Bldg. 117F	Floor Plan, Elevations, & Details; Architectural, Mechanical, & Electrical	12-21-50	0	12-21-50

2A-5401	Decontamination Shower & 200-Man Latrine - Bldg. 125	Plumbing	4-11-50	0	4-21-50
2A-5405	P.X., Barber Shop, Post Office - Bldg. 16	Plumbing	4-8-50	0	4-21-50
2A-5406	Group Headquarters - Bldg. 15	Plumbing, Ventilation, & Dehumidification	4-6-50	1	4-24-50
2A-5408	Boiler House - Bldg. 34	De-aerator Piping & Miscellaneous Details	4-5-50	0	4-21-50
11A-5409	P.O.L. Facilities	Water, Fog, Fire Protection System - Plan & Details	4-8-50	1	4-24-50
11A-5412	P.O.L. Facilities - Bldg. 14	Gasoline Station - Plan & Details	4-6-50	1	4-24-50
11A-5413	P.O.L. Facilities	Truck Loading Rack - Plan & Details	4-6-50	0	4-21-50
2A-5415	Base Operations Control Tower - Bldg. 89	Ventilation	4-26-50	0	4-26-50
2A-5417	Loran Bldg. - Bldg. 116	Plumbing & Ventilation	8-29-50	2	9-18-50
SK-405	Exhaust Adapter Flange	Sketch	Not sent	0	-
SK-410	P.O.L. Facilities - Temporary Connection between 4" Submarine Line & Existing Fuel Line	Sketch	12-30-49	0	1-8-51
SK-413	10,000-Gallon Fuel Storage Tank	Sketch	Not sent	0	-
SK-419	Soiled & Clean Dish Table, Scullery - 2500-Man Mess Hall	Sketch	Not sent	0	-

DRAWINGS FOR FACILITIES ON ISLAND "A" (Continued)

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>STRUCTURAL</u>					
4A-620	Power & Water Distillation Plant - Bldg. 56	Foundation Plan	4-11-50	2	4-26-50
4A-621	Power & Water Distillation Plant - Bldg. 56	Foundation Details	4-11-50	1	4-26-50
4A-624	Power & Water Distillation Plant - Bldg. 56	Foundation Details	4-8-50	1	4-26-50
18H-626	Timber Grease Rack - Location A, B, C, D, E, F, & L	Plans & Details	2-13-50	0	5-1-50
2A-633	Mess Hall - Bldg. 36	Foundation Plan	4-5-50	1	4-21-50
2A-636	Receiver - Bldg. 85, Power Plant - Bldg. 84	Foundation Plan & Details	3-2-50	0	4-5-50
2A-637	Salt Water Pump Station - Bldg. 124	Foundation Plan	4-11-50	1	4-26-50
2A-640	Laundry - Bldg. 31	Foundation Plan & Details	4-8-50	1	4-29-50
2A-643	Air Task Group Headquarters - Bldg. 90	Foundation Plan	4-8-50	1	4-25-50
2A-645	P.X., Barber Shop, Post Office - Bldg. 16	Foundation Plan	4-8-50	1	4-25-50
2A-646	Group Headquarters - Bldg. 15	Foundation Plan	4-6-50	1	4-25-50
2A-647	Group Headquarters - Bldg. 15	Vault & Crypto Room Details	4-6-50	1	4-25-50
2A-649	Base Operations - Bldg. 89	Foundation & Structural Details	4-19-50	1	4-19-50
2A-675	Loran Bldg. - Bldg. 116	Foundation Plan	8-29-50	1	9-18-50

3A-690	Station 775	Structural Plans & Details	7-21-50	0	7-21-50
2A-914	72-Man Quarters - Bldgs. 11, 12, 13, 46, 47, 48, 49, 50	Foundation Plan	12-16-49	1	4-26-50
2A-933	Dispensary & Ward - Bldgs. 22, 23, 24	Foundation Plan	4-8-50	2	4-25-50
2A-937	Reefer - Bldg. 33	Foundation Plan	4-11-50	1	4-25-50
2A-939	Commissary - Bldg. 37	Foundation Plan	4-5-50	2	4-25-50
2A-943	Transmitter Bldg. & Transmitter Power - Bldgs. 3 & 4	Foundation Plan	2-2-50	2	4-29-50
2A-953	Bakery - Bldg. 35	Foundation Plan	4-5-50	0	4-18-50
2A-964	P.O.L. Pump House - Bldg. 94	Architectural & Structural	4-11-50	0	4-21-50
2A-999	Boiler House - Bldg. 34	Foundation Plan	4-5-50	0	4-5-50
2A-5105	Air Force Drone Group Headquarters - Bldg. 77	Foundation Plan	4-8-50	0	4-21-50
2A-5126	L-13 Maintenance - Bldg. 93	Foundation Plan	5-1-50	0	5-1-50
SK-605	Power House	Sketch	Not sent	0	-

DRAWINGS FOR PROVING GROUND FACILITIES

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL</u>						
1B-101	B	North Half, Location "B"	Site Plan	10-5-49	13	8-23-50
2B-102	B	North Half, Mess Hall - Bldg. 201	Foundation Plan	9-1-49	4	11-9-50
2B-103	B	Bakery - Bldg. 202	Foundation Plan	9-1-49	2	5-5-50
2B-104	B	Boiler House - Bldgs. 203 & 303	Foundation Plan	9-16-49	2	5-5-50
2B-105	B	18-Man Quarters	Foundation Plan	4-25-50	1	4-25-50
2B-106	B	36-Man Quarters	Foundation Plan	4-26-50	1	4-26-50
2B-107	B	Infirmery & Nurses Quarters - Bldgs. 117 & 118	Foundation Plan	Not sent	0	-
2B-108	B	Laundry - Bldg. 302	Foundation Plan	9-16-49	2	12-21-50
2B-109	B	Reefer - Bldg. 217	Foundation Plan & Elevations	9-8-49	0	9-29-50
2B-111	B	Foundation & Slab	Typical Details	Not sent	0	-
2B-112	B	18-Man Quarters	Floor Plan & Elevations	8-22-49	3	4-25-50
2B-113	B	36-Man Quarters	Floor Plan & Elevations	8-22-49	2	4-26-50
2B-114	B	Reefer - Bldg. 217	Floor Plan & Elevations	8-22-49	5	4-25-50
2B-115	B	Laundry - Bldg. 302	Floor Plan & Elevations	8-22-49	3	5-6-50
2B-117	B	P.O.L. Facilities, Pump House - Bldg. 300	Foundation Plan	Not sent	0	-
2B-118	B	Fire Station & Security Office - Bldg. 305	Foundation Plan	7-1-	0	-50

2B-119	B	P.X., Barber Shop, Post Office - Bldg. 204	Foundation Plan	10-14-49	0	5-6-50
2B-120	B	Plumbing & Machine Shop - Bldg. 314	Foundation Plan	12-22-49	0	5-6-50
2B-121	B	Power Plant - Bldg. 301	Floor Plan & Elevations	8-24-49	4	5-6-50
2B-122	B	Power Plant - Bldg. 301	Special Details	1-6-50	0	5-4-50
2B-123	B	36-Man Quarters	Architectural Details	12-17-49	0	4-29-50
2B-125	B	Showers & Latrine, 100-Man	Foundation Plan	8-29-49	3	4-29-50
2B-126	B	Bakery - Bldg. 202	Floor Plan, Elevations, & Special Details	9-29-49	4	5-4-50
2B-127	B	Infirmery & Nurses Quarters - Bldgs. 117 & 118	Floor Plan & Elevations	8-22-49	4	3-17-50
2B-128	B	P.O.L. Facilities, Pump House - Bldg. 300	Floor Plan & Elevations	8-22-49	0	5-4-50
2B-129	B	Mess Hall Boiler House - Bldg. 203	Floor Plan & Elevations	8-22-49	1	5-4-50
2B-130	B	Salt Water Pump Station - Bldg. 410	Floor Plan & Elevations	8-22-49	2	5-4-50
2B-131	B	Laundry Boiler House - Bldg. 303	Floor Plan & Elevations	8-22-49	2	5-4-50
2B-132	B	Power Plant - Bldg. 301	Equipment Foundation Details	9-22-49	2	5-4-50
2B-133	B	Open Air Motion Picture Theatre - Bldg. 200	Theatre Plan & Screen Details	8-24-49	2	5-4-50
2B-134	B	Mess Hall - Bldg. 201	Floor Plan	9-19-49	3	5-4-50
2B-135	B	Shower & Latrine, 100-Man	Floor Plan & Elevations	8-24-49	5	10-25-50
2B-136	B	Open Air Motion Picture Theatre - Bldg. 200	Projection Booth & Shelter Details	8-24-49	2	5-4-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL</u> (Continued)						
2B-137	B	Mess Hall - Bldg. 201	Elevations	9-19-49	2	2-15-50
1L-138	L	Location "L"	Site Plan	Not sent	3	-
2B-139	B	Sheet Metal Shop - Bldg. 316	Foundation Plan	9-29-49	0	5-4-50
2B-140	B	Paint & Sign Shop - Bldg. 318	Foundation Plan	12-16-49	1	5-4-50
2B-141	B	Electrical, Refrigeration, & Air Conditioning Shop - Bldg. 315	Foundation Plan	12-16-49	0	3-17-50
2B-142	B	Photo Laboratory - Bldg. 210	Foundation Plan	2-15-50	3	1-18-51
2B-143	B	Rad-Safe Bldg. - Bldg. 323	Foundation Plan	1-6-50	1	10-26-50
2B-144	B	Materials Testing Laboratory - Bldg. 309	Foundation Plan	10-7-49	0	5-4-50
2B-145	B	Holmes & Narver Administration Bldg. - Bldg. 208	Foundation Plan	12-6-49	0	5-4-50
2B-146	B	Motor & DUKW Repair Shop - Bldg. 322	Foundation Plan	12-16-49	0	5-5-50
2B-148	B	Carpentry Shop - Bldg. 317	Foundation Plan	12-22-49	0	3-17-50
2B-149	B	Boat Repair Shop - Bldg. 406	Foundation Plan	12-16-49	1	3-17-50
2B-150	B	Motor & DUKW Repair Shop - Bldg. 322	Floor Plan & Elevations	12-16-49	1	1-6-50
2B-151	B	Fire Station & Security Office - Bldg. 205	Floor Plan, Elevations, & Special Details	10-7-49	2	5-5-50

2B-152	B	Day Room - Bldgs. 216 & 222	Floor Plan & Elevations	10-7-49	0	5-5-50
2B-153	B	Salt Water Pump Station - Bldg. 410	Foundation Plan	9-23-49	0	5-5-50
2B-154	B	Boat Repair Shop - Bldg. 406	Floor Plan, Elevations, & Special Details	12-16-49	1	3-17-50
2B-155	B	Day Room - Bldgs. 216 & 222	Foundation Plan	10-7-49	0	5-5-50
2B-156	B	Plumbing Machine Shop - Bldg. 314	Floor Plan, Elevations, & Special Details	12-22-49	2	5-5-50
2B-157	B	Maintenance Warehouse - Bldg. 313	Foundation Plan	10-14-49	0	5-5-50
2B-158	B	Sheet Metal Shop - Bldg. 316	Floor Plan, Elevations, & Details	12-16-49	1	5-5-50
2B-159	B	Carpentry Shop - Bldg. 317	Floor Plan, Elevations, & Special Details	12-22-49	1	3-17-50
2B-160	B	Recreation Bldg. - Bldg. 409	Foundation Plan	10-14-49	0	5-5-50
2B-161	B	Electrical, Refrigeration, & Air Conditioning Shop - Bldg. 315	Floor Plan, Elevations, & Special Details	12-16-49	1	3-17-50
2B-162	B	Paint & Sign Shop - Bldg. 318	Floor Plan, Elevations, & Special Details	12-16-49	1	5-5-50
2B-163	B	Materials Testing Laboratory - Bldg. 309	Floor Plan, Elevations, & Special Details	10-7-49	1	5-5-50
2B-164	B	Maintenance Warehouse - Bldg. 313	Floor Plan & Elevations	10-14-49	0	5-5-50
2B-165	B	Mess Hall, South Wing - Bldg. 201	Foundation Plan	1-6-50	1	5-5-50
2B-166	B	Mess Hall, South Wing - Bldg. 201	Floor Plan & Elevations	1-6-50	1	5-5-50
2B-168	B	Holmes & Narver Administration Bldg. - Bldg. 208	Floor Plan & Elevations	12-16-49	0	3-17-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL (Continued)</u>						
2B-169	B	Construction Materials Warehouse - Bldg. 308	Floor Plan & Elevations	10-14-49	0	3-17-50
2B-172	B	Recreation Bldg. - Bldg. 409	Floor Plan & Elevations	10-14-49	1	5-5-50
1E-173	E	Camp, Location "E"	Site Plan	2-28-50	7	4-25-50
2L-174	L	Quarters - Bldg. 13	Floor Plan, Elevations, & Electrical	9-27-50	2	10-5-50
2L-175	L	Quarters - Bldg. 13	Foundation Plan	9-27-50	2	10-5-50
2B-176	B	P.X., Barber Shop, Post Office - Bldg. 204	Floor Plan & Elevations	10-14-49	6	5-5-50
1C-177	C	200-Man Camp, Location "C"	Site Plan	4-25-50	5	4-25-50
1D-178	D	Camp Area, Location "D"	Site Plan	3-28-50	4	3-28-50
2B-179	B	Construction Materials Warehouse - Bldg. 308	Foundation Plan	10-14-49	0	3-17-50
2B-181	B	Recreation Bldg. - Bldg. 409	Special Details	1-6-50	1	4-25-50
2B-182	B	Infirmary & Nurses Quarters - Bldgs. 117 & 118	Special Details	1-6-50	1	4-25-50
2B-183	B	Showers & Latrine, 100-Man	Special Details	1-6-50	1	10-25-50
2B-184	B	Maintenance Warehouse - Bldg. 313	Special Details	1-6-50	0	5-5-50
2B-185	B	Holmes & Narver Administration Bldg. - Bldg. 208	Special Details	1-6-50	1	3-17-50

2B-188	B	Instrument Laboratory - Bldg. 211	Floor Plan	1-13-50	1	3-23-50
2B-189	B	Instrument Laboratory - Bldg. 211	Elevations & Special Details	1-13-50	1	3-23-50
2B-190	B	Control Bldg. - Bldg. 311	Foundation Plan	12-16-49	0	3-17-50
2B-191	B	Instrument Laboratory - Bldg. 211	Foundation Plan	1-13-50	1	3-23-50
2B-193	B	Scientist's Administration Bldg. - Bldg. 209	Floor Plan & Elevations	10-28-49	2	5-5-50
2B-194	B	Scientist's Administration Bldg. - Bldg. 209	Foundation Plan	10-28-49	0	5-5-50
2B-195	B	Scientist's Administration Bldg. - Bldg. 209	Special Details	1-13-50	1	4-21-50
2B-196	B	Rad-Safe Bldg. - Bldg. 323	Floor Plan & Elevations	1-6-50	2	10-26-50
2B-197	B	Rad-Safe Bldg. - Bldg. 323	Special Details	2-15-50	0	5-5-50
2G-903	C,D,E	Shop	Floor Plan, Elevations, & Details	12-16-49	2	5-5-50
2G-904	C,D,E	Shop	Foundation Plan	12-16-49	0	5-5-50
2B-905	B	Laundry Bldg. - Bldg. 302	Special Details	1-6-50	0	5-5-50
2G-906	C,D,E	Open Air Motion Picture Theatre	Projection Room, Screen Details, & Theatre Plan	12-16-49	1	5-5-50
2C-907	C,D,L	100-Man Mess Hall	Floor Plan & Elevations	2-27-50	1	5-5-50
2C-908	C,D,L	100-Man Mess Hall	Foundation Plan	2-27-50	1	2-27-50
2E-909	E	170-Man Mess Hall	Floor Plan & Elevations	1-6-50	2	5-5-50
2E-910	E	170-Man Mess Hall	Foundation Plan	1-6-50	1	5-5-50
2G-911	C,D,E	Administration Bldg.	Floor Plan & Elevations	12-16-49	0	5-5-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL</u> (Continued)						
2G-912	C,D,E	Administration Bldg.	Foundation Plan	12-16-49	0	5-5-50
2H-915	-	Typical Screen Detail		Not sent	1	-
2B-916	B	18-Man Quarters	Special Details	12-16-49	0	4-29-50
2B-918	B	Task Force Headquarters - Bldg. 221	Floor Plan	1-26-50	4	10-19-50
2B-920	B	P.X., Barber Shop, Post Office - Bldg. 204	Details, Rooms 2043 & 2044	2-15-50	0	5-5-50
2B-921	B	P.X., Barber Shop, Post Office - Bldg. 204	Storage Room & Mail Room	2-15-50	0	5-5-50
2B-922	B	Infirmery & Nurses Quarters - Bldgs. 117 & 118	Special Details	1-6-50	0	3-17-50
2B-923	B	Task Force Headquarters - Bldg. 221	Elevations	1-26-50	3	6-19-50
2B-924	B	Photo Laboratory - Bldg. 210	Floor Plan & Elevations	2-15-50	4	6-5-50
2B-925	B	Photo Laboratory - Bldg. 210	Special Details	2-15-50	1	5-5-50
2G-926	C,D,E	Refreshment Tents	Plan & Details	5-5-50	1	5-5-50
2B-927	B	Counting & Sampling Laboratory - Bldgs. 212A, B, & C	Floor Plan, Foundation, & Details	1-26-50	3	5-10-50
2G-928	C,D,E	Fire & First Aid Bldgs.	Floor Plan, Elevations, & Details	1-13-50	0	5-6-50

2B-929	B	Task Force Headquarters - Bldg. 221	Foundation Plan	1-26-50	2	4-3-50
2G-931	C,D,E	Fire & First Aid Bldgs.	Foundation Plan	1-13-50	0	5-6-50
2B-938	B	Task Force Headquarters - Bldg. 221	Special Details	4-6-50	0	4-6-50
2B-942	B	Construction Materials Warehouse - Bldg. 308	Special Details	1-6-50	0	3-17-50
2L-947	L	Salt Water Pump Station - Bldg. 8	Foundation, Floor Plan, & Elevations	2-13-50	0	5-6-50
2G-949	C,D,E	Open Air Motion Picture Theatre	Projection Room Details	1-13-50	0	5-6-50
2L-950	L	Booster Pump Station - Bldg. 48	Foundation, Floor Plan, & Elevations	2-13-50	0	5-6-50
2L-956	L	Runs - 3-Run Unit	Plans, Elevations, & Details	2-13-50	0	6-2-50
2L-958	L	X-Ray Bldg. - Bldg. 1	Architectural & Structural	2-13-50	1	5-6-50
2C-959	C,D,E, L	100- and 170-Man Mess Hall	Special Details	2-27-50	0	5-6-50
2B-960	B	Telemeter Receiver - Bldg. 229	Architectural, Structural, & Electrical	2-27-50	3	4-3-50
4L-961	L	Power Plant & Stills - Bldg. 11	Floor Plan, Elevations, & Details	2-13-50	0	5-9-50
4L-962	L	Power Plant & Stills - Bldg. 11	Special Details	2-13-50	0	5-9-50
2L-963	L	Power Plant & Stills - Bldg. 11	Foundation Plan	2-13-50	0	5-9-50
2L-965	L	Green House	Plan, Elevations, & Details	2-13-50	0	5-9-50
2L-981	L	Feed Storage - Bldg. 47	Floor & Foundation Plans, Elevations, & Electrical	2-27-50	0	5-9-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL</u> (Continued)						
2L-986	L	Laboratory - Bldg. 12	Plan & Elevations	2-27-50	2	5-9-50
2L-987	L	Laboratory - Bldg. 12	Special Details	2-27-50	1	5-9-50
2L-988	L	Laboratory - Bldg. 12	Benches & Shelving Details	2-27-50	0	5-9-50
2L-990	L	Laboratory - Bldg. 12	Foundation Plan	2-27-50	0	5-9-50
2B-993	B	Typical Tee & Ell Bldg. Connections		2-27-50	0	2-27-50
2B-994	B	Commissary - Bldg. 230	Floor Plan & Elevations	3-7-50	0	3-7-50
18B-1801	B	300,000# Universal Testing Machine Foundation	Structural Plans & Details	7-7-50	0	7-7-50
18L-1802	L	Container Pallet	Structural Details	11-24-50	0	11-24-50
18E-1804	E,S	Markers for Program 3	Details & Locations	12-12-50	0	12-12-50
18E-1805	E	Flare Shield		1-31-51	0	1-31-51
2H-5115	-	Typical Tent Frame - 4-Man Tent	Elevations & Details	3-23-50	0	5-1-50
2B-5118	B	Laboratory - Bldg. 231	Plan, Elevations, & Details	4-6-50	4	11-10-50
2L-5121	L	Autopsy Bldg. - Bldg. 49	Plan, Elevations, & Details	4-8-50	0	4-8-50
2B-5123	B	Guard Post & Telephone Shelter - Bldgs. A-132-B, 213, 214, 408, 332	Architectural & Electrical	4-29-50	1	10-9-50
2B-5130	B	Bldg. 329	Floor Plan, Elevations, & Special Details	10-9-50	1	10-9-50

2B-5131	B	Bldg. 330	Floor Plan, Elevations, & Special Details	10-9-50	4	10-9-50
2E-5132	E	Infirmary - Bldg. 112	Floor Plan, Elevations, & Special Details	8-18-50	0	8-18-50
2B-5133	B	Laboratory - Bldg. 232	Floor Plan, Elevations, & Special Details	7-11-50	0	7-11-50
2B-5134	B	Task Force Headquarters - Bldg. 221	Conference Room	6-19-50	0	6-19-50
2B-5135	B	Bldgs. 329 & 330	Special Door Details	10-9-50	0	10-9-50
3G-5136	C,E	Stations 593a, b, & c	Plans & Details	8-11-50	3	9-28-50
3G-5137	C,E	Stations 591a & b	Slab Plan, Floor Plan, Elevations, & Details	8-11-50	2	10-5-50
3G-5138	-	Changes to 200-Foot Tower - Tower Cab	Architectural Plans & Details	10-24-50	3	12-14-50
3G-5139	-	Changes to 200-Foot Tower - Tower Cab	Architectural Sections & Details	10-24-50	2	12-14-50
3G-5140	-	Changes to 200-Foot Tower - Tower Cab	Architectural Elevations	10-24-50	2	12-14-50
3G-5141	-	Changes to 200-Foot Tower - Tower Cab	Architectural Elevations	10-24-50	1	10-24-50
3G-5143	E,V	Stations 141a & b & 142a & b	Plans, Elevations, & Details	9-15-50	5	1-8-51
2B-5144	B	Bldg. 333	Floor Plan, Elevations, & Special Details	10-9-50	1	10-9-50
3G-5149	S,T,U, F	Station 101	Architectural & Electrical Details	8-17-50	1	11-3-50
2L-5154	L	Infirmary - Bldg. 52	Floor Plan, Elevations, & Details	9-25-50	1	10-5-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS TO	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL</u> (Continued)						
3E-5155	E,V	Station 120a to e, Station 123	Architectural & Electrical Plans & Elevations	10-25-50	1	1-31-51
2B-5156	B	Mess Hall Additions - Bldg. 201	Floor Plan & Elevations	11-9-50	0	11-9-50
2B-5157	B	Addition to H&N Administration & Scientist's Administration Bldgs. - Bldgs. 208 & 209	Floor Plan & Elevations (Showing Mechanical)	11-10-50	0	11-10-50
2B-5159	B	Loran Monitor - Bldg. 138	Floor Plan, Elevations, & Details	11-10-50	0	11-10-50
2B-5160	B	Latrine - Bldg. 139	Plan, Elevations, & Details	11-10-50	0	11-10-50
2B-5161	B	Showers & Latrine, 100-Man (Wood Frame)	Floor Plan, Elevations, & Details	11-9-50	0	11-9-50
3E-5163	E,E+, V	Station 144b - Bldg. 144b	Plans, Elevations, & Details	12-8-50	1	12-12-50
2B-5164	B	Underground Shelter Cabs - Bldgs. 335 & 336	Plans, Elevations, & Details	11-24-50	2	12-12-50
2B-5165	B	Recreation Bldg. - Bldg. 237	Architectural & Plumbing	11-24-50	0	11-24-50
2B-5166	B	Recreation Bldg. - Bldg. 237	Details	11-24-50	0	11-24-50
2B-5167	B	Hutment & Compound - Bldg. 337	Architectural & Electrical	11-24-50	3	1-4-51
2B-5168	B	Control Bldgs. - Bldg. 311	Floor Plan, Elevations, & Details	11-24-50	0	11-24-50
3E-5169	E	Stations 141a+ & b+	Plans, Elevations, & Details	12-12-50	0	12-12-50

3E-5170	E,S	Shelters for Station 302a to r	Plans & Framing	12-21-50	0	12-21-50
2B-5171	B	Addition to Laundry - Bldg. 302	Floor Plan & Elevations	12-21-50	0	12-21-50
3E-5172	E	Station 135	Plans, Elevations, & Details	1-4-51	1	1-4-51
3V-5173	V	Station 135	Plans, Elevations, & Details	1-4-51	2	1-12-51
2B-5174	B	"Que" House - Bldg. 120	Floor Plan	1-30-51	0	1-30-51
2B-5175	B	"Que" House - Bldg. 120	Elevations & Details	1-30-51	0	1-30-51
3D-5176	D,E	Station 132h	Architectural & Electrical	1-12-51	0	1-12-51
SK-119	-	Typical Aluminum Locker for Living Quarters	Sketch	Not sent	0	-
SK-163	-	Clothes Hooks	Sketch	Not sent	0	-
SK-164	-	Shelf Bracket	Sketch	Not sent	0	-
SK-165	-	Toilet Paper Holder	Sketch	Not sent	0	-
SK-169	-	Bent Plate Clips - 4-Man Tent Frame	Sketch	Not sent	0	-
SK-170	-	Window Grille - Post Office	Sketch	Not sent	0	-
SK-171	-	Typical Hinge for Interior Doors	Sketch	Not sent	0	-
SK-174	-	1½" x 2½" Aluminum Cabinet Hinge	Sketch	Not sent	0	-
SK-175	-	2½" x 2½" Aluminum Cabinet Hinge	Sketch	Not sent	0	-
SK-176	-	Aluminum Offset Cabinet Hinge	Sketch	Not sent	0	-
SK-177	-	6" Aluminum Hinge Hasp	Sketch	Not sent	0	-
SK-178	-	3" Aluminum Barrel Bolts	Sketch	Not sent	0	-

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ARCHITECTURAL</u> (Continued)						
SK-179	-	3½" Aluminum Hinge Hasp	Sketch	Not sent	0	-
SK-180	-	4" Aluminum Barrel Bolts	Sketch	Not sent	0	-
SK-181	-	6" Aluminum Barrel Bolts	Sketch	Not sent	0	-
SK-188	-	Ridge-Hip Connector - 8-Man Tent Frame	Sketch	Not sent	0	-
SK-189	C,V,E	Fence & Gate Locations, Lighting Details - Zero Area	Sketch	10-19-50	3	1-8-51
SK-190	-	Typical Section - Bldgs. 329 & 330 - Laboratory Benches	Sketch	10-9-50	0	10-9-50
SK-192	-	Suggested Method of Splicing Shutter Panels D-18 For Use as Full-Height Wall Panels	Sketch	Not sent	0	-
<u>ELECTRICAL</u>						
4L-002	L	Power & Water Distillation Plant - Bldg. 11	Underground Conduit & Lighting Plan	2-13-50	1	3-13-50
4L-003	L	Power & Water Distillation Plant - Bldg. 11	Underground Conduit Details & Sections	2-13-50	1	3-13-50
4L-004	L	Power & Water Distillation Plant - Bldg. 11	Control & Single-Line Diagram; Electrical Conduit Schedules & Elevations	2-13-50	1	3-13-50
6R-008	B	North End, Location "B"	Telephone & Control Overhead Description	2-28-50	0	7-5

7L-016	L	North Part, Location "L"	Telephone & Control Overhead Distribution	2-27-50	0	2-27-50
7L-017	L	South Part, Location "L"	Telephone & Control Overhead Distribution	2-27-50	1	2-27-50
2L-020	L	Laboratory - Bldg. 12	Lighting & Power Plan	2-27-50	1	3-6-50
2L-021	L	Autopsy Bldg. - Bldg. 49	Electrical Plan	2-27-50	1	4-8-50
2B-030	B	Commissary - Bldg. 230	Electrical Plan	3-7-50	0	3-7-50
7H-031	-	Telephone Overhead Distribution	Standard Construction Details	3-2-50	0	3-17-50
3G-035	C,D,E	Stations C6A & B, D6A & B, E6A & B	Electrical Plans & Details	6-22-50	3	8-3-50
3E-038	C,E,N, P,R,S, T	Stations E75, R75, S76, N76, T77, T78, C78, C79, & P79	Electrical Plan & Details	5-5-50	2	8-23-50
8N-039	N,P,Q	Locations "N", "P", & "Q"	Communications - Signal & Control	-	-	-
3V-041	V	200-Ft. Tower, Base Area & Station 131	Electrical Plan & Details	10-10-50	3	1-8-51
2B-042	B	Area "A" - Bldg. 330	Control Diagram	10-9-50	0	10-9-50
3G-047	C,E	Station 55	Electrical Plans & Details	5-4-50	2	7-19-50
2G-048	C,D,E, F	Latrine & Tent Areas	Electrical Plan & Details	4-3-50	1	4-14-50
3N-049	N,P,M	Station 7	Electrical Plan & Details	5-5-50	2	8-29-50
3P-050	N,M,P, Q	Station 61	Electrical Plan & Details	8-18-50	3	12-1-50
3D-053	D	Station D-56	Electrical Plan & Details	7-27-50	0	7-27-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL</u> (Continued)						
3E-055	E	Stations E-54 & E-57	Electrical Plan & Details	7-7-50	2	9-21-50
2H-056	-	Post Stations	Power & Telephone Electrical Plan	6-30-50	0	6-30-50
3E-057	E,S	Stations 301A, B, C, D, E, F, G, H, I, J, & K	Electrical Plan & Details	7-7-50	1	8-18-50
3E-059	E	Instrument Work Shop - Station 335A		8-18-50	2	8-18-50
6H-060	C,D,E, F,M,S, V		Former Installation Details	9-13-50	0	9-15-50
2E-061	E	Infirmery - Bldg. 112	Electrical Plan	6-15-50	0	6-15-50
3G-062	-	200-Ft. Tower (Steel)	Plan & Elevations	10-10-50	5	2-8-51
3G-063	-	200-Ft. Tower (Steel)	Electrical Details	10-10-50	4	2-9-51
2B-065	B	Bldgs. 329, 330, 331, & 333	Electrical Lighting Plan	9-22-50	0	9-22-50
2B-066	B	Bldgs. 329, 330, & 333	Electrical Power Plan	10-9-50	1	10-9-50
2B-067	B	Laboratory - Bldg. 232	Electrical Plan	7-11-50	0	7-11-50
2B-068	B	VOID - SEE 7A-272				
3P-069	N,P,Q	Station 64	Electrical Plan & Details	8-18-50	2	10-5-50
7N-070	N	Location "N"	Instrument Power & Control Telephone Distribution	7-17-50	1	10-18-50

7P-071	P	Location "P"	Instrument Power Control & Telephone Distribution	7-17-50	1	10-18-50
7Q-072	Q	Location "Q"	Instrument Power Control & Telephone Distribution	7-17-50	1	10-18-50
3G-073	C,D,E	Stations 23A & B	Electrical Plans & Details	8-11-50	2	9-25-50
3E-074	E	Station 25	Electrical Plan	8-11-50	2	9-6-50
8H-075	-	Control & Signal Submarine Cable Chart	Schematic Diagram	7-27-50	0	7-27-50
3E-076	E,S,Q, P	Stations 825, 826, 827, & 828	Electrical Plan	8-11-50	1	9-8-50
3G-077	E,V,C, U,A	Stations 771, 772, 773, 774, & 775	Electrical Plans & Details	7-21-50	1	9-6-50
3G-078	D	Stations 132A, B, C, & D	Electrical Plans & Details	9-6-50	3	1-8-51
3G-080	V	Stations 141A & B, 142A & B, 143	Electrical Plans & Details	10-10-50	3	1-8-51
3E-081	E	Stations 141A & B, 143	Electrical Plans & Details	10-10-50	3	11-9-50
3G-082	C,V,E, E+	Stations 22, 22A & B, 24A & B, 132E & F, 133, 134, & 136C	Electrical Plans & Details	8-11-50	4	1-5-51
3E-083	E	Stations 132B, C, & D	Electrical Plans & Details	8-18-50	1	10-10-50
6H-086	-	Stations 6A & B, 132	Former Installation Distillation Rack Details - Typical for Banks at Zero	9-13-50	1	11-9-50
2B-087	B	Bldgs. 329, 330, & 333	Electrical Sections & Details	10-9-50	0	10-9-50
3G-088	E,S,Q, P	Stations 821 through 828	Electrical General Conduit Layout	9-8-50	0	9-8-50
7E-089	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	4	2-8-51

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL</u> (Continued)						
7E-090	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	3	1-15-51
7E-091	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	3	1-15-51
7E-092	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	4	2-9-51
7E-093	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	2-9-51
7E-094	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	1-5-51
7E-095	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	3	2-9-51
7E-096	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	3	2-9-51
7E-097	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	4	2-9-51
7E-098	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	12-20-50

7E-099	E	Location "E"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	12-20-50
14S-124 Sheet 1	-	300-Ft. Radius Grounding System for T-Type Antenna	Plan & Details (U.S.C.G. Standard)	9-18-50	3	9-18-50
14S-124 Sheet 2	-	Pole Foundation, Guy Wire Connection, & Anchor	Standard Details (U.S.C.G. Standard)	10-2-50	1	10-2-50
14S-125	-	Loran Monitor & Emergency Receiving Antenna	Standard Details (U.S.C.G. Standard)	10-2-50	2	10-2-50
2L-174	L	Quarters - Bldg. 13	Floor Plan, Elevations, & Electrical	9-27-50	2	10-5-50
6H-301	-	Electrical Overhead Distribution	Construction Standard Details	7-22-49	0	3-17-50
6H-302	-	Electrical Overhead Distribution	Construction Standard Details	7-22-49	0	3-17-50
6H-303	-	Electrical Overhead Distribution	Construction Standard Details	9-13-49	0	3-17-50
6B-304	B	Electrical Overhead Distribution	Details at Road Intersections	8-31-49	1	3-17-50
6B-305	B	Parry Island	Electrical Overhead Distribution Plan	8-19-49	4	3-17-50
2H-306	-		Electrical Symbol List	9-16-49	1	4-20-50
2B-307	-	36-Man Quarters & 18-Man Quarters	Electrical Plan	9-8-49	3	5-4-50
2B-308	B	Mess Hall, Bakery, Boiler House	220V Power & Stub Up Plan	9-2-49	2	5-6-50
2B-309	B	Mess Hall, Bakery, Boiler House	Electrical Lighting & 120V Power	9-2-49	5	5-6-50
2B-310	B	Reefer & Commissary	Electrical Lighting & Power	9-2-49	5	2-27-50
2B-311	B	Infirmery & Nurses Quarters	Electrical Lighting & Power	7-26-49	2	3-17-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL</u> (Continued)						
2B-312	B	Laundry & Boiler House	Electrical Lighting & Power	9-16-49	2	1-4-51
2H-313	-		Electrical Fixture List & Details	9-19-49	2	4-29-50
2H-314	-		Electrical Details	9-19-49	1	4-29-50
4B-315	B	Power & Water Distillation Plant	Electrical Underground Conduit Plan & Sections	8-19-49	4	5-8-50
4B-316	B	Power & Water Distillation Plant	Electrical Conduit Details	8-31-49	2	5-6-50
4B-317	B	Power & Water Distillation Plant	Electrical Lighting	8-19-49	4	5-6-50
4B-318	B	Power & Water Distillation Plant	Electrical Alarm & Control Wiring Diagram	8-31-49	3	2-27-50
2B-319	B	P.O.L. Pump House	Electrical Lighting & Power	7-26-49	2	5-6-50
2B-320	B	Salt Water Pump Station	Electrical Lighting & Power	7-26-49	4	5-6-50
2B-321	B	Shower, Latrines, & 200-Man Tent Area	Electrical Plan & Details	8-26-49	4	4-14-50
2B-322	B	Open Air Motion Picture Theatre	Electrical Plan & Details	8-26-49	1	5-6-50
2B-323	B	Fire Station & Security Office - Bldg. 205		10-7-49	1	3-17-50
2B-324	B	Motor & DUKW Repair Shop - Bldg. 322		12-16-49	0	5-6-50
2B-325	B	Dav Room - Bldgs. 216 & 222	Electric Lighting	9-2-49	2	3-17-50

11B-326	B	P.O.L. Facilities Service Station	Electrical Plan & Details	8-26-49	0	5-6-50
2B-327	B	Boat Repair Shop - Bldg. 406	Electrical Plan	12-16-49	0	3-17-50
8H-328	-	Control & Signal Submarine Cable Chart		9-9-49	2	7-13-50
-	-	Control & Signal Submarine Cable Chart		9-9-49	0	-
-	-	Control & Signal Submarine Cable Chart		9-9-49	0	-
2B-329	B	Plumbing & Machine Shop - Bldg. 314	Electrical Power & Lighting	12-22-49	0	5-6-50
2B-330	B	Sheet Metal Shop - Bldg. 316	Electrical Plan	12-16-49	0	5-6-50
2B-331	B	Refrigeration & Air Condition Shop - Bldg. 315	Electrical Plan	12-16-49	0	3-17-50
2B-332	B	Paint & Sign Shop - Bldg. 318	Electrical Plan	12-16-49	0	5-6-50
2B-333	B	Carpentry Shop - Bldg. 317	Electrical Power & Lighting	12-22-49	0	3-17-50
2B-334	B	Materials Testing Laboratory - Bldg. 309	Electrical Plan	10-7-49	9	5-6-50
2B-335	B	Maintenance Warehouse - Bldg. 313	Electrical Lighting Plan	10-14-49	1	5-6-50
11B-336	B	P.O.L. Facilities, Boat Fueling Facilities	Electrical Plan	10-5-49	0	5-6-50
2B-337	B	Recreation Bldg. - Bldg. 409	Electrical Plan	10-14-49	2	5-8-50
2B-338	B	P.X., Barber Shop, & Post Office - Bldg. 204	Electrical Power & Lighting	10-14-49	2	5-8-50
2B-339	B	Construction Materials Warehouse - Bldg. 308	Electrical Plan	10-14-49	1	3-17-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL</u> (Continued)						
2B-340	B	Holmes & Narver Administration Bldg. - Bldg. 208	Electrical Plan	12-16-49	0	3-17-50
7B-341	B	Telephone & Control	Electrical Overhead Distribution	2-28-50	3	12-1-50
7B-343	B	Telephone Equipment Room - Bldg. 208	Equipment Plan	4-28-50	0	4-28-50
2B-344	B	Counting & Sampling Laboratory - Bldgs. 212A, B, & C	Electrical Plan	1-13-50	1	3-17-50
2B-346	B	Scientist's Administration Bldg. - Bldg. 209	Electrical Plan	10-28-49	1	5-8-50
2B-347	B	Instrument Laboratory - Bldg. 211	Electrical Plan	1-13-50	2	1-19-51
2B-348	B	Rad-Safe Bldg. - Bldg. 323	Electrical Plan	1-6-50	1	11-3-50
6E-349	E	Camp Area	Electrical Overhead Distribution	1-6-50	4	4-14-50
7H-350	-		Telephone Submarine Cable Chart	1-12-50	5	7-13-50
-	-		Telephone Submarine Cable Chart	1-12-50	3	5-12-50
-	-		Telephone Submarine Cable Chart	1-12-50	2	5-12-50
6C-351	C	Camp Area	Electrical Overhead & Underground Distribution	4-13-50	0	4-13-50
6D-352	D	Island Camp	Electrical Overhead Distribution	4-12-50	0	4-12-50

2G-353	C,D,E	Shop Locations	Electrical Plan	12-16-49	0	5-8-50
6F-354	F	Location "F"	Electrical Overhead Distribution	1-6-50	0	5-8-50
7C-356	C	Camp Area	Telephone Control & Underground Distribution	4-13-50	0	4-13-50
7D-357	D	Island Camp	Control & Communications Distribution	4-12-50	0	4-12-50
7E-358	E	Island Camp	Control & Communications Distribution	1-6-50	3	4-3-50
7E-359	F	Camp Area	Control & Communications Distribution	1-6-50	0	5-8-50
8G-361	C,D,E	Power Plant Timing	Control Wiring Diagram & Schedule	10-25-50	1	2-16-51
2G-362	C,D,E	Open Air Motion Picture Theatre	Electrical Plan	12-16-49	0	5-8-50
4C-364	C	Power & Water Distillation Plant	Electrical Underground Conduit Plan & Sectional	1-6-50	3	8-9-50
4G-365	C,D,E	Power & Water Distillation Plant	Electrical Conduit Details & Control Wiring Diagram	1-6-50	1	8-9-50
2G-366	C,D,E	Station 69	Electrical Plans	2-15-50	3	10-25-50
2G-367	C,D,V	100-Man Mess Hall	Electrical Plan	2-27-50	1	5-8-50
2C-369	C,D,E	Administration Bldgs.	Electrical Plan	12-16-49	0	5-8-50
3H-370	-	75-Ft. Tower (Steel)	Electrical Plan & Details	3-27-50	8	12-1-50
2B-372	B	Control Bldg. - Bldg. 311	Electrical Plan (Redrawn; supersedes 2B-345)	12-16-49	2	11-24-50
2G-373	C,D,E	Power & Water Distillation Plant	Electrical Lighting	1-6-50	0	5-8-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL (Continued)</u>						
7B-374	B	Location "B"	Telephone Single-Line Diagram & Overhead Distribution	3-2-50	2	9-15-50
6L-375	L	North Part, Location "L"	Electrical Overhead Distribution	2-27-50	0	5-8-50
6L-376	L	South Part, Location "L"	Electrical Overhead Distribution	2-27-50	0	5-8-50
4D-377	D	Power & Water Distillation Plant	Electrical Underground Conduit Plan & Sections	1-6-50	2	8-9-50
4E-378	E	Power & Water Distillation Plant	Electrical Underground Conduit Plan & Sections	1-6-50	2	8-9-50
2B-379	B	Photo Laboratory - Bldg. 210	Electrical Plan	2-15-50	3	1-18-51
2E-380	E	170-Man Mess Hall	Electrical Plan	1-6-50	1	5-8-50
2B-381	B	Task Force Headquarters - Bldg. 221	Electrical Plan	1-26-50	3	7-5-50
2G-382	C,D,E	Refreshment Tent	Electrical Plan	2-15-50	2	5-9-50
2G-388	C,D,E	Fire & First Aid Bldgs.	Electrical Plan	1-13-50	0	5-9-50
2B-391	B	Laboratory - Bldg. 231	Electrical Lighting	4-13-50	3	11-3-50
2L-396	L	Salt Water Pump Station	Electrical Lighting & Power	2-13-50	0	5-8-50
2L-397	L	Pump Station	Electrical Lighting & Power Booster	2-13-50	0	5-8-50

3G-628	C,D,E, E+	Station 18	Structural & Electrical Details	5-5-50	3	12-1-50
2B-960	B	Telemeter Receiver Bldg. - Bldg. 229	Architectural, Structural, & Electrical	2-27-50	3	4-3-50
2L-981	L	Feed Storage - Bldg. 47	Floor & Foundation Plans, Elevations, & Electrical	2-27-50	0	2-27-50
2B-5123	B	Guard Post & Telephone Shelter - Bldgs. A-132B, 213, 214, 408, & 332	Architectural & Electrical	4-29-50	1	10-9-50
3G-5149	F,S,T, U	Station 101	Architectural & Electrical	8-17-50	1	11-3-50
3E-5155	E,V	Station 120a to e, Station 123	Architectural & Electrical Plan & Elevations	10-25-50	1	1-31-51
2B-5167	B	Hutment Compound - Station 337, Bldg. 337	Architectural & Electrical	11-24-50	3	1-4-51
3D-5176	D,E	Station 132h	Architectural & Electrical	1-12-51	0	1-12-51
7C-5301	C	Location "C"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	3	12-19-50
7C-5302	C	Location "C"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	11-20-50
7C-5303	C	Location "C"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	11-20-50
7C-5304	C	Location "C"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	11-20-50

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DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL (Continued)</u>						
7C-5305	C	Location "C"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	11-20-50
7C-5306	C	Location "C"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	11-20-50
7C-5307	C	Location "C"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	11-20-50
7S-5308	S	Location "S"	Electrical Power, Telephone, Control, & Signal Underground Distribution	11-7-50	2	1-5-51
7D-5309	D	Location "D"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	2-9-51
7D-5310	D	Location "D"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	2	2-9-51
7D-5311	D	Location "D"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	1	11-20-50
7D-5312	D	Location "D"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	1	11-20-50
7D-5313	D	Location "D"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	1	11-20-50

7D-5314	D	Location "D"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	1	11-20-50
7D-5315	D	Location "D"	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	1	11-20-50
7D-5316	D	Camp Area	Electrical Power, Telephone, Control, & Signal Underground Distribution	9-13-50	0	10-10-50
3E-5317	E	Station 132A	Electrical Plans & Details	10-9-50	2	1-8-51
7D-5318	D	Location "D"	Electrical Power, Telephone, Control, & Signal Underground Distribution	10-10-50	1	11-20-50
3E-5319	E	Station 131a	Electrical Plan & Details	10-7-50	1	1-8-51
2B-5320	B	Mess Hall Additions - Bldg. 201	Electrical Plans & Elevations	11-9-50	0	11-9-50
7T-5321	T	Location "T"	Electric Telephone Control & Signal Underground Distribution	11-3-50	1	12-19-50
6B-5322	B	South Portion, Location "B"	Electrical Overhead & Underground Distribution	11-16-50	1	12-1-50
2B-5323	B	Antenna & Latrine, Loran Monitor Bldg. - Bldgs. 138 & 139	Electrical Plan & Details	11-10-50	0	11-10-50
2B-5324	B	Additions to H&N Administration & Scientist's Administration Bldgs. - Bldgs. 208 & 209	Electrical Plan & Details	11-10-50	0	11-10-50
3G-5325	V,E,E+	Station 144a & b	Electrical Plan & Details	12-8-50	2	12-8-50
2B-5326	B	100-Man Latrine & 8-Man Tent Area (New Tent Area)	Electrical Plan & Details	11-9-50	0	11-9-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL (Continued)</u>						
2B-5327	B	Recreation Bldg. - Bldg. 237	Electrical Plan & Details	12-1-50	0	12-1-50
2B-5328	B	Underground Shelter & Guard Towers - Stations 334, 335, & 336	Electrical Plan & Details	11-24-50	1	11-27-50
7B-5330	B	South Portion, Location "B"	Telephone Overhead & Underground Distribution	12-1-50	1	12-1-50
3G-5331	E	200-Ft. Tower E+	Electrical Plan & Elevations	12-21-50	0	12-21-50
3G-5332	E	200-Ft. Tower E+	Electrical Details	12-21-50	1	2-9-51
3G-5333	E	Stations 141a+, 141b+, & 143+	Electrical Plan & Details	12-21-50	0	12-21-50
3G-5334	E	Transformer Bank & Motor Generator House for E+ Area	Electrical Details	12-21-50	0	12-21-50
3G-5335	E	200-Ft. Tower Base Area for E+, 141a+, 144a+, 141b+, 144b+, & 143+	Electrical Plan & Details	12-21-50	0	12-21-50
7G-5336	B,C,E	Locations "B", "C", & "E"	Control & Signal Terminals	12-11-50	1	1-15-51
7B-5337	B	Location "B"	Intercommunication & Sound-Powered Telephone Distribution	1-2-51	0	1-2-51
2B-5338	B	"Que" House - Bldg. 120	Electrical Plan & Details	-	-	-
3G-5339	D,E	Station 132h	Electrical Plan & Details	-	-	-
8E-5340	E	Location "E"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50

8E-5341	E	Location "E"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50
8E-5342	E	Location "E"	Coaxial Cable Trench Layout	12-11-50	1	12-27-50
8E-5343	E	Location "E"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50
8E-5344	E	Location "E"	Coaxial Cable Trench Layout	12-11-50	1	12-27-50
8E-5345	E	Location "E"	Coaxial Cable Trench Layout	12-11-50	1	12-27-50
8E-5346	E	Location "E"	Coaxial Cable Trench Layout	12-11-50	1	12-27-50
8E-5347	E	Location "E"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50
8E-5348	E	Location "E"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50
8V-5349	V	Location "V"	Coaxial Cable Trench Layout	12-11-50	1	12-27-50
8D-5350	D	Location "D"	Coaxial Cable Trench Layout	12-11-50	1	12-27-50
8D-5351	D	Location "D"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50
8D-5352	D	Location "D"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50
8D-5353	D	Location "D"	Coaxial Cable Trench Layout	12-11-50	1	12-27-50
8C-5354	C	Location "C"	Coaxial Cable Trench Layout	12-11-50	1	12-27-50
8C-5355	C	Location "C"	Coaxial Cable Trench Layout	12-11-50	1	12-27-50
8C-5356	C	Location "C"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50
8C-5357	C	Location "C"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50
8C-5358	C	Location "C"	Coaxial Cable Trench Layout	12-11-50	0	12-11-50
8H-5359	E	Location "E"	Control Wiring Diagram	1-15-51	0	1-15-51
3G-5361	B,C,E, D	Locations "B", "C", "E", & "D"	Control Cabinet Identification	12-11-50	1	1-15-51

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>ELECTRICAL (Continued)</u>						
3G-5362	E	Location "E"	Control Cabinet Identification	12-11-50	1	1-15-51
7H-5363	E, S, T, C, M, N, P, Q	Locations "E", "S", "T", "C", "M", "N", "P", & "Q"	Telephone Wiring Chart	12-11-50	0	12-11-50
7H-5364	E, P, Q, R, V	Locations "E", "P", "Q", "R", & "V"	Telephone Wiring Chart	12-11-50	0	12-11-50
8H-5365	E, S	Locations "E" & "S"	Control Wiring Chart	12-11-50	1	1-15-51
8H-5366	E, V	Locations "E" & "V"	Control Wiring Chart	12-11-50	0	12-11-50
8H-5367	C, V	Locations "C" & "V"	Control Wiring Chart	12-11-50	0	12-11-50
8H-5368	A, B, M, N, P, Q, R, S, T	Locations "A", "B", "M", "N", "P", "Q", "R", "S", & "T"	Control Wiring Chart	12-11-50	0	12-11-50
2B-5369	E	"Que" House - Bldg. 120	Electrical	1-30-51	0	1-30-51
2B-5635	B	Shelter Bldg. - Bldg. 331	Structural & Electrical Plans & Details	10-9-50	2	10-9-50
2L-5659	L	Infirmary Bldg. - Bldg. 52	Plumbing & Electrical Foundation Plan	9-8-50	2	10-5-50
3T-5680	S, T	Stations 623, 625, & 626a	Structural Plan & Details	12-1-50	1	12-1-50
3E-5689	E	Station 2+	Structural & Electrical	12-12-50	0	12-12-50
SK-189	C, E, V	Zero Area Fence	Gate Locations & Lighting Details	10-15-50	0	8-5

SK-342	E	West Part, Location "E"	Instrumentation Plan	Not sent	0	-
SK-343	E	East Part, Location "E"	Instrumentation Plan	Not sent	0	-
SK-344	V(D)	Location "V"("D")	Instrumentation Plan	Not sent	0	-
SK-345	C	Location "C"	Instrumentation Plan	Not sent	0	-
SK-349	B	Bldg. 330	Control & Distribution, Switchboard	Not sent	0	-
SK-620	-	Bldg. 3.3.5a	Electrical Layout	Not sent	0	-

CIVIL

1B-201	B	Northern Portion, Location "B"	Road & Bldg. Location	8-15-49	15	8-23-50
1B-202	B	Southern Portion, Location "B"	Road & Bldg. Location	8-15-49	16	11-27-50
13B-205	B	Roads, Location "B"	Grading & Paving	8-15-49	12	8-23-50
14E-206	E	Zero Area, Engebi Island	Grading & Paving	8-24-49	1	5-12-50
13E-207	E	Roads & Airstrip, Location "E"	Grading & Paving	2-6-50	6	7-26-50
14C-208	C	Zero Area	Grading & Paving	9-2-49	0	5-12-50
14D-209	D	Roads	Grading & Paving	9-2-49	4	8-2-50
14C-210	C	Roads & Airstrip	Grading & Paving	3-28-50	0	5-6-50
13C-217	C	Camp Area	Road & Bldg. Location	3-10-50	3	5-22-50
13D-218	-	Causeway, Biijiri to Rojoa		10-3-49	0	5-11-50
13D-219	D	Road & Airstrip, Location D-2	Grading & Paving	2-28-50	1	5-6-50
13E-220	E	Camp Area	Road & Bldg. Location	1-6-50	5	5-9-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>CIVIL</u> (Continued)						
13D-221	D	Roads, Location D-2 & D-3	Grading & Paving	2-28-50	1	5-6-50
18B-222	B	Parry	Construction Progress Record	Not sent	1	-
13D-223	D	Camp Area	Road & Bldg. Location	4-21-50	1	4-25-50
13L-225	L	North Part, Location "L"	Road & Bldg. Location	2-13-50	2	7-7-50
13L-226	L	South Part, Location "L"	Road & Bldg. Location	2-13-50	1	5-6-50
14B-232	B	P.O.L. Facilities	Location & Grading Plan	2-27-50	0	5-6-50
14H-233	H	Bitumuls Handling Facilities	Typical Layout	Not sent	1	-
17E-234	E,S	Special Structures	Location Plan	3-24-50	22	1-19-51
17E-235	E	Scientific Structures	Location Plan	8-2-50	8	1-19-51
17E-236	E	Scientific Structures	Location Plan	8-2-50	4	1-19-51
17E-237	E	Scientific Structures	Location Plan	8-2-50	7	1-19-51
17E-238	E	Scientific Structures	Location Plan	8-2-50	5	1-19-51
17S-239	S	Special Structures	Location Plan	6-27-50	15	2-8-51
17Q-240	Q	Scientific Structures	Location Plan	6-27-50	7	9-27-50
17P-241	P	Scientific Structures	Location Plan	6-27-50	4	9-5-50
17N-242	N	Scientific Structures	Location Plan	6-27-50	5	9-27-50
17C-243	C	Scientific Structures	Location Plan	8-2-50	5	2-8-51

17C-244	C	Scientific Structures	Location Plan	8-2-50	4	11-17-50
17C-245	C	Scientific Structures	Location Plan	8-2-50	4	11-17-50
17C-246	C	Scientific Structures	Location Plan	8-2-50	3	11-17-50
17C-247	C	Scientific Structures	Location Plan	8-2-50	2	2-8-51
17C-248	C	Scientific Structures	Location Plan	8-2-50	2	2-7-51
17C-249	C	Scientific Structures	Location Plan	8-2-50	3	2-7-51
3H-250	-	Stations 821 through 828	General Layout	9-8-50	4	9-8-50
3H-251	-	Station 8.2.1. through 8.2.4.	Foundation B1 & B6	9-8-50	4	9-8-50
3H-252	-	Station 8.2.1. through 8.2.4.	Foundation B2 & B5	9-8-50	4	9-8-50
3H-253	-	Station 8.2.1. through 8.2.4.	Foundation B3	9-8-50	4	9-26-50
3H-254	-	Station 8.2.1. through 8.2.4.	Foundation B4	9-8-50	4	9-8-50
17V-255	V	Scientific Structures	Location Plan	8-2-50	3	1-19-51
17V-256	V	Scientific Structures	Location Plan	8-2-50	9	1-19-51
17D-257	D	Scientific Structures	Location Plan	8-2-50	4	2-8-51
17D-258	D	Scientific Structures	Location Plan	8-2-50	2	11-14-50
17D-259	D	Scientific Structures	Location Plan	8-2-50	2	11-14-50
17D-260	D	Scientific Structures	Location Plan	8-2-50	7	1-19-51
17D-261	D	Scientific Structures	Location Plan	8-2-50	1	2-7-51
17E-262	E	Scientific Structures	Location	8-2-50	2	2-8-51
17E-263	E	Scientific Structures	Location	8-2-50	4	1-19-51

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>CIVIL (Continued)</u>						
17E-264	E	Scientific Structures	Location	8-2-50	3	1-19-51
17E-265	E	Scientific Structures	Location	8-2-50	3	1-19-51
17E-266	E	Scientific Structures	Location	8-2-50	2	1-19-51
17E-267	E	Scientific Structures	Location	8-2-50	4	2-8-51
17E-268	E	Scientific Structures	Location	8-2-50	1	2-7-51
17T-269	T	Scientific Structures	Location Plan	8-2-50	1	1-19-51
17R-273	R	Scientific Structures	Location Plan	9-5-50	1	2-7-51
16B-278	B	North Portion, Parry Island	Topography	Not sent	0	-
16B-279	B	South Portion, Parry Island	Topography	Not sent	0	-
16C-280	C	North Portion, Runit Island	Topography	Not sent	0	-
16C-281	C	Middle Portion, Runit Island	Topography	Not sent	0	-
16C-282	C	South Portion, Runit Island	Topography	Not sent	0	-
16D-283	D	Aemon Island	Topography	Not sent	0	-
16D-284	D	Bijiri Island	Topography	Not sent	0	-
16D-285	D	Rojoa Island	Topography	Not sent	0	-
16E-286	E	North Portion, Engebi Island	Topography	Not sent	0	-
16E-287	E	West Portion, Engebi Island	Topography	Not sent	0	-

16E-288	E	South Portion, Engebi Island	Topography	Not sent	0	-
16F-289	F	Bogallua Island	Topography	Not sent	0	-
16L-291	L	North Portion, Japtan Island	Topography	Not sent	0	-
16L-292	L	Southwest Portion, Japtan Island	Topography	Not sent	0	-
16N-293	N	Piiraa'i Island	Topography	Not sent	0	-
16P-294	P	Bokon Island	Topography	Not sent	0	-
16Q-295	Q	Teiteir Island	Topography	Not sent	0	-
16R-296	R	Aaraanbiru Island	Topography	Not sent	0	-
16S-297	S	Muzin Island	Topography	Not sent	0	-
16T-298	T	Kirinian Island	Topography	Not sent	0	-
16V-5201	V	Eberiru Island	Topography	Not sent	0	-
16H-5203	H	Eniwetok Atoll, All Islands	Horizontal Control Survey	Not sent	0	-
17D-5204	D	Scientific Structures	Location Plan	9-27-50	2	1-19-51
17D-5205	D	Scientific Structures	Location Plan	11-14-50	2	2-8-51
17E-5207	E	Scientific Structures	Location Plan	10-26-50	4	2-8-51
16H-5208	-	Eniwetok Atoll	Triangulation	Not sent	0	-
17S-5209	S	Stations 623a & b; 624a & b; 625a & b; 626a, b, & c	Location Plan	11-14-50	1	12-13-50
17C-5210	C,E	Detonating Stations 52 & 53	Grading Plan & Retaining Wall	12-14-50	0	12-14-50
17E-5211	E,S	Photographic Flares	Location Plan	1-19-51	2	2-22-51
17V-5212	V	Stations 144a, 145, 146	Location Plan	2-7-51	0	2-7-51

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>CIVIL (Continued)</u>						
17E-5213	E	Stations 144a+, 145+, 146+	Location Plan	2-7-51	0	2-7-51
SK-203	B	Plan for Reinforcement of Freight Pier, Parry Island	Sketch	9-19-49	0	9-19-49
SK-204	B	Plan for Personnel Pier, Parry Island	Sketch	9-22-49	0	9-22-49
SK-206	L	Pier Plan, Japtan Island	Sketch	-	-	-
SK-207	-	Typical Personnel Landing	Sketch	9-30-49	0	9-30-49
SK-208	-	Typical Cargo & Personnel Pier	Sketch	9-30-49	0	9-30-49
SK-209	B	Cargo Pier Extension, Parry Island	Sketch	Not sent	0	-
SK-211	F	Group "F" Islands	Sketch	Not sent	0	-
SK-212	-	Pier Locations, Eniwetok Atoll	Sketch	Not sent	0	-
SK-213	-	Landing Float of Empty Oil Drums	Sketch	12-29-49	0	12-29-49
SK-214	F	Cross Section of Road to Zero	Sketch	1-6-50	0	1-6-50
SK-215	-	Typical Steel Tower Layout	Sketch	Not sent	0	-
SK-216	-	Tie-down Lug for L-13 Planes	Sketch	2-15-50	0	2-15-50

SK-217	E	Military Structures	Sketch	Not sent	0	-
SK-218	M	Tower Site, Station 60	Sketch	3-24-50	0	3-24-50

SANITARY

10B-502	B	Location "B"	Sewer System	8-2-49	11	10-24-50
9B-503	B	Location "B"	Salt Water System	8-18-49	8	10-24-50
9B-504	B	Location "B"	Fresh Water System	8-18-49	7	10-24-50
9B-505	B	Location "B"	Water System Details	8-24-49	1	9-29-50
9B-506	B	Salt Water Pump Station - Bldg. 410	(Superseded Drawing 9B-501)	9-23-49	0	9-23-49
10E-507	E	Camp Area	Sewer System	2-20-50	5	4-3-50
9E-508	E	Camp Area	Fresh Water System	1-11-50	2	2-20-50
9E-509	E	Camp Area	Salt Water System	1-11-50	2	2-20-50
10C-510	C	Location "C"	Sewer System	4-6-50	0	4-6-50
9C-511	C	Location "C"	Fresh Water System	4-6-50	0	4-6-50
9C-512	C	Location "C"	Salt Water System	4-6-50	0	4-6-50
10D-513	D	Location "D"	Sewer System	4-8-50	0	4-8-50
9D-514	D	Location "D"	Fresh Water System	4-8-50	0	4-8-50
9D-515	D	Location "D"	Salt Water System	4-8-50	0	4-8-50
9L-516	L	Booster Pump Station		2-13-50	0	2-13-50
9L-518	L	Salt Water Pump Station	Piping Details	2-13-50	0	2-13-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>SANITARY</u> (Continued)						
10L-519	L	South Portion, Location "L"	Sanitary Sewer System	2-13-50	0	2-13-50
10L-520	L	North Portion, Location "L"	Sanitary Sewer System	2-13-50	1	4-25-50
9L-521	L	South Portion, Location "L"	Fresh Water System	2-13-50	0	2-13-50
9L-522	L	North Portion, Location "L"	Fresh Water System	2-13-50	0	2-13-50
9L-523	L	South Portion, Location "L"	Salt Water System	2-13-50	0	2-13-50
9L-524	L	North Portion, Location "L"	Salt Water System	2-13-50	0	2-13-50
9B-542	B	Location "B"	Sewer, Salt & Fresh Water Systems	10-24-50	0	10-24-50
9E-543	E	Location "E"	Salt Water System, Compression Tank Details	11-14-50	0	11-14-50
9E-544	E	Location "E"	Fresh Water System, Compression Tank Details	11-14-50	0	11-14-50
SK-503	C,D,E	Ladder - Salt Water Well	Sketch	Not sent	0	-
SK-504	-	10,000-Gallon Standard Horizontal Hydro-Pneumatic 100-Pound Pressure Tank	Sketch	Not sent	1	-
<u>MECHANICAL</u>						
2B-401	B	18-Man Quarters	plumbing	8-26-49	1	4-29-50

2B-402	B	36-Man Quarters	Plumbing	8-26-49	3	4-24-50
2B-403	B	Infirmary and Nurses Quarters	Plumbing	8-2-49	1	3-17-50
2B-404	B	Reefer Bldg. - Bldg. 217	Plumbing	8-26-49	5	2-27-50
2B-405	B	Mess Hall	Underground Piping	9-2-49	4	2-15-50
2B-406	B	Mess Hall	Aboveground Piping	9-13-49	3	2-15-50
2B-407	B	Infirmary and Nurses Quarters	Plumbing	9-16-49	2	3-17-50
2B-408	B	Bakery & Mess Hall Boiler House	Plumbing	8-26-49	4	10-14-49
2B-409	B	Laundry & Boiler House	Plumbing	7-27-49	5	12-21-50
2B-410	B	P.O.L. Facilities	Diesel Oil Piping & Instrument Diagram	8-10-49	2	11-30-49
2B-411	B	P.O.L. Facilities	Motor Gasoline Piping & Instrument Diagram	8-10-49	2	11-30-49
11B-412	B	P.O.L. Facilities	General Plot Plan	8-10-49	1	9-1-49
11B-413	B	P.O.L. Facilities	Pump House Piping & Equipment Plan	8-10-49	2	11-30-49
11B-414	B	P.O.L. Facilities	Motor Gasoline Storage Equipment & Piping Plan	8-10-49	1	9-1-49
11B-415	B	P.O.L. Facilities	Diesel Oil Storage Equipment & Piping Plan	8-10-49	1	9-1-49
11B-416	B	P.O.L. Facilities	Submarine Line & Truck Loading Rack Details	8-10-49	1	9-1-49
11B-417	B	P.O.L. Facilities	Pump House & Storage Equipment Piping Section & Details	8-10-49	2	11-30-49
11B-418	B	P.O.L. Facilities	Boat Fueling Facilities Equipment, Piping Plan, & Details	8-18-49	0	5-9-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
MECHANICAL (Continued)						
11B-419	B	P.O.L. Facilities	Service Station Equipment Piping Plan & Details	8-24-49	1	5-9-50
4B-420	B	Power & Water Distillation Plant	Equipment & Piping Plan	9-9-49	5	2-6-50
4B-421	B	Power & Water Distillation Plant	Underground Piping Plan	8-19-49	2	12-22-49
4B-422	B	Power & Water Distillation Plant	Diesel Engine Piping	9-9-49	2	2-6-50
4B-423	B	Power & Water Distillation Plant	Distillation Unit Piping	9-22-49	2	3-22-50
4B-424	B	Power & Water Distillation Plant	Miscellaneous Details	9-9-49	3	3-22-50
2B-425	B	Showers & Latrine, 100-Man Bldgs. 227 & 228	Plumbing	9-2-49	3	5-3-50
2B-426	B	Fire Station & Security Office - Bldg. 205	Plumbing	10-7-49	1	3-17-50
2B-427	B	Mess Hall	Exhaust Hood Details	9-15-49	1	1-11-50
2B-428	B	Miscellaneous Buildings	Plumbing	10-7-49	0	5-9-50
2B-429	B	Miscellaneous Buildings	Plumbing	10-7-49	0	5-9-50
2B-430	B	H&N Administration Bldg. - Bldg. 208	Plumbing & Dehumidification	12-16-49	2	4-17-50
2B-431	B	Recreation Bldg. - Bldg. 409	Plumbing	10-14-49	0	10-14-49
2B-432	B	P.X., Barber Shop, & Post Office - Bldg. 204	Plumbing	10-14-49	2	10-27-49

2B-433	B	Counting & Sampling Laboratory - Bldg. 212A, B, & C	Plumbing & Dehumidification	1-27-50	4	10-12-50
2B-434	B	Control Bldg. - Bldg. 311	Plumbing & Dehumidification	12-16-49	2	4-17-50
3H-435	B	75-Ft. Tower	Dumb-waiter Assembly & Details	3-27-50	1	5-9-50
3H-436	B	75-Ft. Tower	Dumb-waiter Details	3-27-50	0	5-10-50
2B-438	B	Instrument Laboratory - Bldg. 211	Plumbing & Dehumidifi ation	1-13-50	2	6-14-50
2B-439	B	Paint & Sign Shop - Bldg. 318	Plumbing & Ventilation	12-16-49	0	12-16-49
2L-440	L	Quarters - Bldg. 13	Piping Plan & Details	10-20-49	1	10-5-50
2B-441	B	Scientists Administration Bldg. - Bldg. 209	Plumbing	10-28-49	2	4-13-50
2B-442	B	Radsafe Bldg. - Bldg. 323	Plumbing & Dehumidification	1-6-50	2	10-26-50
4G-445	C,D,E	Power & Water Distillation Plant	Equipment & Piping Plan	1-6-50	4	11-3-50
4G-446	C,D,E	Power & Water Distillation Plant	Diesel Engine Piping	1-6-50	3	8-9-50
4G-447	C,D,E	Power & Water Distillation Plant	Distillation Unit Piping	1-6-50	2	4-3-50
4G-448	C,D,E	Power & Water Distillation Plant	Ventilation & Underground Piping	1-6-50	3	11-3-50
2B-449	B	Photo Laboratory - Bldg. 210	Plumbing & Air Conditioning	2-15-50	3	1-18-51
2E-450	E	170-Man Mess Hall	Plumbing & Steam Piping	1-6-50	1	1-26-50
2E-451	E	170-Man Mess Hall	Exhaust Hood Details	1-13-50	2	3-23-50
2C-452	C,D,L	100-Man Mess Hall	Plumbing & Steam Piping	2-27-50	1	2-27-50
2C-453	C,D,L	100-Man Mess Hall	Exhaust Hood Details	2-27-50	1	3-23-50
2B-455	B	South Wing, Mess Hall - Bldg. 201	Plumbing & Steam Piping	1-6-50	0	2-15-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV- ISIONS	DATE LAST REVISION TO JOBSITE
MECHANICAL (Continued)						
2G-456	C,D,E	Fire & First Aid Bldg.	Plumbing	1-13-50	0	1-13-50
2G-475	C,D,E	Station 69	Ventilation	2-15-50	0	2-15-50
2B-476	B	Task Force Headquarters - Bldg. 221	Plumbing & Ventilation	1-26-50	2	7-3-50
4L-477	L	Power & Water Distillation Plant	Equipment & Piping Plan	2-13-50	2	8-3-50
4L-478	L	Power & Water Distillation Plant	Underground Piping Plan	2-13-50	0	2-13-50
4L-479	L	Power & Water Distillation Plant	Diesel Engine Piping	2-13-50	0	2-13-50
4L-480	L	Power & Water Distillation Plant	Miscellaneous Details	2-13-50	0	2-13-50
2G-483	C,D,E	Station 6 - Bldg. 6A & 6B	Dehumidification	7-7-50	1	7-7-50
2L-489	L	Laboratory - Bldg. 12	Plumbing & Dehumidification	2-27-50	1	4-17-50
2L-493	L	Autopsy Bldg. - Bldg. 49	Plumbing	2-27-50	0	2-27-50
9G-539	-	J-3 Salt Water Pump Station - Bldg. 18	General Piping Details	5-5-50	1	11-24-50
17G-801	C,E	Station 20a-f (Locations C & E), Station 21a, b, & c (Location E)	Field Panel Assembly	8-18-50	5	1-5-51
17G-802	C,E	Station 20a-f (Locations C & E), Station 21a, b, & c (Location E)	Field Panel Subassembly Cylindrical Chamber	8-18-50	3	8-18-50
17G-803	C,E	Station 20a-f (Locations C & E), Station 21a, b, & c (Location E)	Field Panel Closure Plate - Cylindrical	8-18-50	4	9-28-50
17G-804	C,E	Station 20a-f (Locations C & E), Station 21a, b, & c (Location E)	Field Panel Box Chamber Subassembly	8-18-50	5	8-18-50

17G-805	C,E	Station 20a-f (Locations C & E), Station 21a, b, & c (Location E)	Field Panel Closure Plate - Box	8-18-50	2	8-18-50
17G-809 Sheet 1	C,E	Station 20a-f (Locations C & E), Station a, b, & c (Location E)	Field Panel Pipe	8-18-50	2	8-18-50
17G-809 Sheet 2	C,D,E	Station 28a-j (Locations C & E), Station 28a-q (Location D), Station 29a-k (Location E)	Field Panel Pipe	8-18-50	2	8-18-50
17G-810	C,E	Station 33a-i (Locations C & E), Station 34a-d (Locations C & E)	Steel Stake Gauge Mount	8-18-50	2	9-28-50
17G-811	C,E	Station 27a, b, c, & d (Locations C & E)	Concrete Gauge Mounts	8-18-50	3	11-7-50
17G-812	C,D,E	Station 28a-j (Locations C & E), Station 28a-q (Location D), Station 29a-k (Location E)	Instrument Post	8-18-50	1	8-18-50
17G-813	D,E	Station 36a-e (Location D), Station 36a-f (Location E)		7-11-50	3	7-11-50
17G-814	-	Basic Steel Box - Stations 90a through 93d, 421 through 4225	Assembly & Details	8-17-50	0	8-17-50
17G-815	E	Station 37a, b, & c (Location E)	Pylon	8-18-50	3	11-7-50
17G-816	E	Station 37d, e, & f (Location E)	Ground Pylon Auxiliary	9-28-50	2	9-28-50
17G-817	E,P,Q, S	Station 821 (Location E), Station 822 (Location S), Station 823 (Location Q), Station 824 (Location P)	Steel Junction Boxes	9-28-50	1	9-28-50
17G-818	E	Station 37a, b, & c (Location E)	Pylon Cover Plate	9-28-50	0	9-28-50
17D-819	D to V	Locations "D" to "V"	Coaxial Cable, Installation in Causeway	10-19-50	0	10-19-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>MECHANICAL</u> (Continued)						
17G-820	-	Station 90A through J, Station 91A through F	Lead Shielding for Instrument Boxes	11-14-50	0	11-14-50
17G-821	-	Station 95A through H	Lead Shielding for Instrument Boxes	2-5-51	0	2-5-51
2B-5165	B	Recreation Bldg. - Bldg. 237	Architectural & Plumbing	11-24-50	0	11-24-50
3G-5407	C,E	Station 55	Ventilation	5-5-50	0	5-5-50
11B-5410	B	P.O.L. Facilities	Water, Fog, Fire Protection System Plan & Details	4-3-50	0	4-3-50
2B-5411	B	Laboratory - Bldg. 231	Plumbing, Ventilation, & Dehumidification	4-25-50	2	11-3-50
3D-5414	D	Station 56	Ventilation	7-27-50	0	7-27-50
3C-5416	C,E	Stations 54 & 57	Ventilation	7-19-50	0	7-19-50
3E-5418	E,S	Station 301A through K	Ventilation Plan & Details	7-7-50	0	7-26-50
2E-5419	E	Infirmery - Bldg. 112	Plumbing Plans	8-18-50	0	8-18-50
3E-5420	E	Station 25	Ventilation	8-11-50	1	9-28-50
2B-5421	B	Laboratory - Bldg. 232	Plumbing & Dehumidification	7-11-50	0	7-11-50
3G-5422	-	200-Ft. Steel Tower	Main Hoist Changes	10-23-50	0	10-23-50
3G-5423	-	200-Ft. Steel Tower	Elevator Cab Changes	10-23-50	0	10-23-50
2P-5424	B	Conference Room Task Force Headquarters - Bldg. 221	Ventilation	1-3-50	0	1-3-50

3G-5425	C,D,E	Station 23A (Locations C, D, & E), Station 23B (Location E)	Ventilation	8-11-50	1	9-6-50
2C-5426	V	Stations 132A & B	Dehumidification	9-6-50	0	10-9-50
2B-5427	B	Bldgs. 329 & 333	Plumbing & Ventilation	10-9-50	0	10-9-50
2B-5428	B	Bldg. 330	Ventilation	10-9-50	0	10-9-50
2B-5429	B	Bldg. 330	Plumbing	10-9-50	1	10-25-50
2G-5430	-	200-Ft. Tower	Cable Hoist	10-23-50	1	10-23-50
3E-5431	E,S,Q, P	Stations 825, 826, 827, & 828	Ventilation	8-11-50	0	9-8-50
3G-5437	V	Stations 131, 135, & 143	Plumbing & Dehumidification	9-15-50	2	1-15-51
4G-5438	C,D,E	Power & Water Distillation Plant		8-9-50	0	8-9-50
3E-5439	E	Stations 132b, c, & d	Dehumidification	9-25-50	0	10-9-50
3E-5440	E	Stations 131a & 135	Plumbing & Dehumidification	10-9-50	2	2-1-51
3E-5441	E	Station 132a	Dehumidification	10-9-50	0	10-9-50
3H-5442	-	75-Ft. Tower Cab	Rolling Door Installation	10-23-50	0	10-23-50
3H-5443	-	75-Ft. Tower Cab	Rolling Door Support	10-23-50	0	10-23-50
2B-5444	B	Mess Hall Addition - Bldg. 201	Plumbing & Steam Piping	10-25-50	0	11-9-50
3G-5445	-	200-Ft. Steel Towers	Main Hoist Pallet Platform	1-12-51	1	1-17-51
2B-5446	B	Showers & Latrine, 100-Man Bldgs. 233, 234, 235, & 236	Plumbing	11-9-50	0	11-9-50
3G-5447	E,V,E+	Station 141b	Dehumidification	11-9-50	1	12-8-50
3E-5448	E,V,E+	Station 144a & b	Dehumidification	12-8-50	0	12-8-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>MECHANICAL (Continued)</u>						
3V-5449	V	200-Ft. Steel Tower	Cooling Water Piping, Top & Apron Tanks	2-14-51	0	2-14-51
2L-5659	L	Infirmery - Bldg. 52	Plumbing & Electrical Foundation Plan	9-8-50	2	10-5-50
R-401	B		(Revisions to Drawings - 2B-401 & 2B-402)	8-15-49	0	8-15-49
SK-404	-	Piping for Temporary Operation of Distillation Units	Sketch	8-26-49	1	9-16-49
SK-405	-	Exhaust Flange Adapter	Sketch	Not sent	0	-
SK-412	-	Flexible Exhaust Connection	Sketch	Not sent	0	-
SK-416	-	3,000-Gallon Fuel Oil Tank	Sketch	Not sent	0	-
SK-428	-	Flexible Exhaust Connection (Bottom)	Sketch	Not sent	0	-
SK-429	-	Flexible Exhaust Connection (Top)	Sketch	Not sent	0	-
<u>STRUCTURAL</u>						
7H-031	-	Telephone Overhead Distribution	Standard Construction Details	3-2-50	0	3-17-50
2B-120	B	Plumbing & Machine Shop - Bldg. 314	Foundation Plan	12-22-49	0	5-6-50
2B-125	B	Showers & Latrines, 100-Man	Foundation Plan	8-29-49	3	4-29-50

2B-139	B	Sheet Metal Shop - Bldg. 316	Foundation Plan	9-29-49	0	5-4-50
2B-140	B	Paint & Sign Shop - Bldg. 318	Foundation Plan	12-16-49	1	5-4-50
2B-141	B	Electrical, Refrigeration, & Air Conditioning Shop - Bldg. 315	Foundation Plan	12-16-49	0	3-17-50
2B-142	B	Photo Laboratory - Bldg. 210	Foundation Plan	2-15-50	3	1-18-51
2B-143	B	Radsafe Bldg. - Bldg. 323	Foundation Plan	1-6-50	1	10-26-50
2B-144	B	Materials Testing Laboratory - Bldg. 309	Foundation Plan	10-7-49	0	5-4-50
2B-145	B	Holmes & Narver Administration Bldg. - Bldg. 208	Foundation Plan	12-6-49	0	5-4-50
2B-146	B	Motor & DUKW Repair Shop - Bldg. 322	Foundation Plan	12-16-49	0	5-5-50
2B-148	B	Carpentry Shop - Bldg. 317	Foundation Plan	12-22-49	0	3-17-50
2B-149	B	Boat Repair Shop - Bldg. 406	Foundation Plan	12-16-49	1	3-17-50
2B-153	B	Salt Water Pump Station - Bldg. 410	Foundation Plan	9-23-49	0	5-5-50
2B-155	B	Day Room - Bldgs. 216 & 222	Foundation Plan	10-7-49	0	5-5-50
2B-157	B	Maintenance Warehouse - Bldg. 313	Foundation Plan	10-14-49	0	5-5-50
2B-160	B	Recreation Bldg. - Bldg. 409	Foundation Plan	10-14-49	0	5-5-50
2B-165	B	Mess Hall, South Wing - Bldg. 201	Foundation Plan	1-6-50	1	5-5-50
2B-179	B	Construction Materials Warehouse - Bldg. 308	Foundation Plan	10-14-49	0	3-17-50
2B-190	B	Control Bldg. - Bldg. 311	Foundation Plan	12-16-49	0	3-17-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>STRUCTURAL</u> (Continued)						
2B-191	B	Instrument Laboratory - Bldg. 211	Foundation Plan	1-13-50	1	3-23-50
2B-194	B	Scientist's Administration Bldg. - Bldg. 209	Foundation Plan	10-28-49	0	5-5-50
3H-251	-	Station 8.2.1. through 8.2.4.	Foundation B1 & B6	9-8-50	4	9-8-50
3H-252	-	Station 8.2.1. through 8.2.4.	Foundation B2 & B5	9-8-50	4	9-8-50
3H-253	-	Station 8.2.1. through 8.2.4.	Foundation B3	9-8-50	4	9-26-50
3H-254	-	Station 8.2.1. through 8.2.4.	Foundation B4	9-8-50	4	9-8-50
9G-539	-	J-3 Salt Water Pump Station - Bldg. 18	General Piping Details	5-5-50	1	11-24-50
9B-601	-	Elevated Water Tower for 500- & 1,000-bbl. Tanks		1-6-50	2	4-26-50
3H-603	-	75-Ft. Tower	Erection Diagram & Details	3-27-50	1	3-27-50
3H-604	-	75-Ft. Tower	Stair & Platform Details	3-27-50	0	3-27-50
3H-605	-	75-Ft. Tower	Miscellaneous Details	3-27-50	1	3-27-50
9G-607	-	30-Ft. Elevated Water Tower		1-11-50	1	1-11-50
3G-608	-	300-Ft. Steel Tower	Foundation Plan & Details	11-30-49	3	5-22-50
3G-609	-	300-Ft. Aluminum Tower	Foundation Plan & Details	Not sent	0	-
3H-610	-	75-Ft. Tower	Foundation Plan & Details	2-15-50	2	10-23-50

4E-613	E	Power & Water Distillation Plant	Foundation & Roof Plan	1-6-50	3	4-3-50
4E-614	E	Power & Water Distillation Plant	Building Sections	1-6-50	2	4-3-50
4G-615	C,D,E	Power & Water Distillation Plant	Equipment Plan & Foundations	1-6-50	1	8-9-50
4C-616	C,D	Power & Water Distillation Plant	Foundation & Roof Plan	1-6-50	4	7-7-50
4C-617	C,D	Power & Water Distillation Plant	Building Sections	1-6-50	2	4-13-50
2B-618	B	Power Plant	Foundation Plan	12-22-49	0	12-22-49
2G-622	C,D,E	Station 69	Structural Details	2-15-50	4	8-3-50
3G-623	-	300-Ft. Tower	Equipment Foundation Plan & Details	1-6-50	0	5-22-50
3H-625	-	75-Ft. Tower	Cab Details	3-27-50	1	10-23-50
18H-626	A,B,C, D,E,F, L	Timber Grease Rack	Plans & Details	2-13-50	0	5-1-50
3G-627	C,E	Station 26A, B, & C		6-22-50	2	6-29-50
3G-628	C,D,E, E4	Station 18	Structural & Electrical Details	5-5-50	3	12-1-50
2P-629	M,N,P, Q	Station 61 (Location M, N, P, & Q), Station 63 (Location N & Q)	Plans & Details	3-10-50	1	8-10-50
3G-630	C,D,E	Station 6, Bldgs. 6a & 6b	Structural Details	5-5-50	2	6-27-50
2G-634	C,E	Station 55	Foundation Plan & Sections	4-6-50	2	8-3-50
2N-639	N,P,M	Station 7	Structural Plan & Details	3-10-50	4	8-31-50
2E-641	E,R	Station 75	Structural Details	5-5-50	4	10-12-50
2S-642	S,N	Station 76	Structural Plans & Details	5-5-50	2	10-12-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>STRUCTURAL (Continued)</u>						
2S-644	T,C,D	Stations 77 & 78 (Location T), Stations 78 & 79 (Location C), Station 79 (Location D)	Structural Plans & Details	3-10-50	6	10-12-50
2B-648	B	Commissary - Bldg. 230	Foundation Plan	3-7-50	0	3-7-50
3G-651	C,V,E	Stations 50B, C, & D	Structural Plans & Details	6-12-50	4	9-8-50
2B-652	B	Task Force Headquarters - Bldg. 221	Structural Details	4-6-50	0	4-6-50
3V-655	V	Station 56	Structural Plans & Details	6-8-50	2	8-3-50
3E-656	C,E	Station 54	Concrete Details	8-9-50	2	8-31-50
3G-657	-	300-Ft. Steel Tower	Leg Reinforcement for Additional Vertical Load	4-6-50	0	4-6-50
3E-658	E	Stations 10, 11, 12, 14, & 15	Plan, Elevations, & Sections	5-19-50	4	9-28-50
3E-659	E	Stations 10, 11, 12, 14, & 15	Structural Steel Details	8-7-50	1	8-7-50
3E-660	E,C,V	Station 2	Structural & Electrical	6-29-50	4	9-8-50
3E-661	E,S	Special Structures	Conduit Runs	7-7-50	2	8-3-50
3E-662	E	Shelter 30LA & E	Structural Plans & Details	6-5-50	7	9-21-50
3E-663	E	Shelter 30LK	Structural Plans & Details	6-5-50	7	9-21-50
3E-664	C,E	Station 57	Plan & Sections	6-29-50	5	8-31-50
3E-665	C,E	Station 57	Concrete Details	8-9-50	1	8-31-50

3E-666	C,E	Station 54 & 57	Miscellaneous Structural Details	6-30-50	7	8-31-50
2E-667	-	Bldg. 3.1.3	Inserts & Sleeves for Barrel Section	Not sent	0	-
3S-668	S	Shelter 301F & H	Structural Plans & Details	6-5-50	6	9-21-50
3E-669	E	Shelter 301B & C	Structural Plans & Details	6-5-50	6	9-21-50
3E-670	-	Conduit Pipe Bend		Not sent	0	-
3E-672	E	Shelter 301J	Structural Plans & Details	6-5-50	7	9-21-50
3E-673	E	Shelter 301I	Structural Plans & Details	6-5-50	7	9-21-50
3S-674	S	Shelter 301D & G	Structural Plans & Details	6-5-50	6	9-21-50
3G-676	C,V,E	Station 50A	Structural Plans & Details	6-12-50	4	9-8-50
3E-677	C,E	Station 52	Structural Plans & Details	8-8-50	2	10-12-50
3E-678	C,E	Station 52	Structural Plans & Details	8-8-50	2	10-12-50
3E-679	C,E	Station 52	Structural Bearing Plates & Anchors	8-8-50	1	8-31-50
3E-680	C,E	Stations 52 & 53	Final Collimator Tube Details	8-8-50	2	8-8-50
3G-682	-	200-Ft. Steel Tower	Erection Diagram & Details	10-23-50	0	10-23-50
3G-683	-	200-Ft. Steel Tower	Shaft Details	10-23-50	0	10-23-50
3G-684	-	200-Ft. Steel Tower Cab	Structural Frame & Details	10-23-50	0	10-23-50
3G-685	E,V,C	Station 771 (Location E), Station 772 (Location V), Station 773 (Location C)	Structural Plans & Details	7-21-50	2	7-27-50
3U-686	U	Station 774	Structural Plans & Details	7-21-50	1	7-27-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
STRUCTURAL (Continued)						
3G-687	-	200-Ft. Tower	Miscellaneous Details	10-23-50	1	10-23-50
3E-689	E	Station 25	Structural Plans & Details	8-11-50	1	9-8-50
3E-691	E,C	Station 39A & B (Location E), Station 39C (Location C)	Structural Plans & Details	6-22-50	3	8-3-50
3E-692	E,S,C	Station 40 (Location E), Station 41 (Location S), Station 42 (Location C)	Structural Plans & Details	7-7-50	4	10-24-50
3E-694	E,S	Station 6101, 6102, 6103, 6104 (Location E), Station 6105 (Location S)	Structural Plans & Details	8-18-50	4	1-12-51
3E-695	C,V,E	Stations 51A, B, C, & D	Structural Plans & Details	8-11-50	2	9-8-50
3C-696	C,V	Stations 10, 11, 12, 14, 15, & 19	Structural Steel Details	8-3-50	1	1-5-51
3C-697	C,V	Stations 10, 11, 12, 14, 15, & 19	Plans, Elevations, & Sections	8-3-50	5	12-12-50
3G-698	C,D,E	Station 23A (Location C, D, & E), Station 23B (Location E)	Structural Plans & Details	8-11-50	3	9-25-50
3E-699	C,E	Station 53	Structural Plans & Details	8-8-50	1	8-31-50
2G-904	C,D,E	Shop	Foundation Plan	12-16-49	0	5-5-50
2C-908	C,D,L	100-Man Mess Hall	Foundation Plan	2-27-50	1	2-27-50
2G-912	C,D,E	Administration Bldg.	Foundation Plan	12-16-49	0	5-5-50
2B-927	B	Counting & Sampling Laboratory - Bldgs. 212a, b, & c	Floor Plan, Foundation, & Details	1-26-50	3	1-25-50

2B-929	B	Task Force Headquarters - Bldg. 221	Foundation Plan	1-26-50	2	4-3-50
2G-931	C,D,E	Fire & First Aid Bldgs.	Foundation Plan	1-13-50	0	5-6-50
2B-960	B	Telemeter Receiver Bldg. - Bldg. 229	Architectural, Structural, & Electrical	2-27-50	3	4-3-50
2L-981	L	Feed Storage - Bldg. 47	Floor & Foundation Plans, Elevations, & Electrical	2-27-50	0	2-27-50
18L-1802	L	Container Pallet	Structural Details	11-24-50	0	11-24-50
3G-5137	C,E	Stations 591a & b	Slab Plan, Floor Plan, Elevations, & Details	8-11-50	2	10-5-50
3E-5601	C,E	Station 53	Structural Steel Details	8-8-50	1	8-8-50
3E-5602	C,E	Station 53	Foundation Plans & Details	8-24-50	1	8-31-50
2C-5608	C	Station 132A & B	Structural Plans & Details	Not sent	0	-
3E-5614	E,C	Stations 20 & 21	Structural Plans & Sections	8-18-50	1	1-4-51
2B-5615	B	Laboratory - Bldg. 232	Foundation Plan	7-11-50	0	7-11-50
3E-5616	E	Stations 72A, B, C, D, E, F, G, & H	Structural Plans & Details	8-11-50	0	8-11-50
3E-5617	E	Station 83A & B	Structural Plans & Details	8-11-50	0	8-11-50
3E-5618	E,S,V	Station 80A, B, C, & D (Location E), Station 80E (Location S), Station 80A, B, C, D, & E (Location V)	Structural Plans & Details	8-11-50	0	8-11-50
3E-5619	E,V	Station 70A through W (Location E), Stations 70A through Z (Location V), Stations 71A, B, C, & D (Location E), Stations 71A, B, C, D, E, F, & G (Location V)	Structural Plans & Details	8-11-50	0	8-11-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>STRUCTURAL</u> (Continued)						
3N-5620	N,P,Q	Station 64	Structural Plans & Details	8-11-50	1	10-5-50
3G-5625	-	200-Ft. Steel Tower	Changes to Tower, Erection Diagram & Details	10-23-50	0	10-23-50
3G-5626	-	200-Ft. Tower Cab	Structural Framing & Details (Changes to Tower)	10-24-50	4	12-14-50
3G-5627	-	200-Ft. Tower Cab	Structural Sections & Details (Changes to Tower)	10-24-50	3	10-24-50
3C-5628	D	Station 132C & D	Temporary Shelter Details	8-11-50	3	10-9-50
3D-5629	V	Stations 132a, b, c, & d	Structural Plans & Details	10-9-50	7	1-4-51
3G-5630	-	200-Ft. Steel Tower Cab	Structural Elevations & Details	10-24-50	3	12-14-50
3E-5631	C,E	Station 52	Foundation Plan & Details	8-8-50	1	8-31-50
3E-5632	E	Station 825	Structural Plans & Details	8-11-50	1	9-8-50
3S-5633	S	Station 826	Structural Plans & Details	8-11-50	1	9-8-50
3P-5634	Q,P	Station 827 (Location Q), Station 828 (Location P)	Structural Plans & Details	8-11-50	1	9-8-50
2B-5635	B	Shelter - Bldg. 331	Structural & Electrical Plans & Details	10-9-50	2	10-9-50
3M-5636	M	Station 7	Foundation Plan & Details	8-11-50	2	10-5-50
3E-5637	E,S	Stations 302a, b, c, & d (Location E), Stations 302 e through r (Location S)	Structural Details	8-18-50	5	— 3-5

3E-5638	E,S	Stations 302a, b, c, & d (Location E), Stations 302 e through r (Location S)	Battery Boxes & Miscellaneous Details	8-18-50	1	9-15-50
2B-5639	B	Bldg. 329	Foundation Plan	10-9-50	0	10-9-50
2B-5640	B	Bldg. 330	Foundation Plan	10-9-50	0	10-9-50
3G-5641	-	200-Ft. Tower	Footing Plan & Details for Guy & Messenger Cables	8-23-50	5	10-3-50
3E-5642	E,S	Station 81 (Location E), Station 82 (Location S), Station 84A through F (Location E)	Structural Plans & Details	8-11-50	0	8-11-50
3G-5644	C,E,V	Stations 30A, B, & C	Structural Plans & Details	8-11-50	1	9-6-50
3E-5645	E	Stations 132b, c, & d	Plan & Details	8-18-50	3	11-9-50
3G-5647	-	200-Ft. Tower	Equipment Foundation Plan & Details	10-3-50	2	10-3-50
4G-5648	C,D,E	Power & Water Distillation Plant, Generator No. 2	Foundation Alteration (Locations D & F), New Foundation (Location C)	8-9-50	0	8-9-50
3M-5649	M	75-Ft. Tower	Tower Alterations to Accommodate Station 61, Tower & Station 61 Changes	8-10-50	0	10-23-50
3M-5650	M	75-Ft. Tower	Alteration Details & Station 61 Changes	10-23-50	0	10-23-50
3G-5651	V	200-Ft. Tower	Foundation Details - Sheet 1	9-15-50	6	12-12-50
3G-5653	V	200-Ft. Steel Tower	Foundation Details - Sheet 2	9-15-50	5	12-1-50
3G-5654	V	200-Ft. Steel Tower	Foundation Details - Sheet 3	9-15-50	5	12-1-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV- ISIONS	DATE LAST REVISION TO JOBSITE
<u>STRUCTURAL (Continued)</u>						
3G-5656	V	200-Ft. Steel Tower	Foundation Details - Sheet 4	9-15-50	5	12-12-50
2B-5657	B	Bldg. 330	Equipment Foundations	10-9-50	1	10-9-50
3G-5658	C,E	Station 35	300-Ft. Steel Tower Details	9-6-50	2	12-21-50
2L-5659	L	Infirmery - Bldg. 52	Foundation Plan, Plumbing, & Electrical	9-8-50	2	10-5-50
3E-5660	E,S,W	Stations 511, 512, 513, 5141, 5142, 5151, 5152, 5161, & 5162 (Location E), Stations 5171, 5172, 518, & 5182 (Location S), Stations 519 & 5192 (Location W)	Structural Plans & Details	9-15-50	4	10-5-50
3E-5661	E	Station 131a	Structural Details	10-9-50	1	10-9-50
2E-5662	E	Bldgs. 302a, b, c, & d	Camera Window Assembly	9-21-50	0	9-21-50
3G-5663	E,D,C	Stations 74a through h	Structural Plans & Details	9-21-50	1	9-25-50
3E-5664	E	Station 132A	Structural Plans & Details	10-9-50	2	10-9-50
3G-5665	C,E,V	Stations 73a through h (Locations C, E, & V), Station 85a through f (Location E)	Structural Plans & Details	9-25-50	1	1-12-51
3V-5666	V	200-Ft. Steel Tower	Field Revision to Framing at Face A of Cab	10-24-50	0	10-24-50
3V-5668	V	200-Ft. Column	Structural Details - Sheet 1	10-23-50	2	11-24-50
3V-5669	V	200-Ft. Column	Structural Details - Sheet 2	10-23-50	1	11-15-50

3E-5670	E	Station 143	Structural Plans & Sections	10-25-50	0	10-25-50
3G-5671	C,D,E, N,P,Q, R,S,T	Stations 421, 423 through 429, & 4210 through 4226	Structural Plans & Details	10-13-50	1	11-14-50
3G-5672	V	200-Ft. Column	Base Details	10-23-50	0	10-23-50
3E-5673	E,V	Stations 8 & 9	Plans, Elevations, & Sections	10-25-50	2	12-1-50
3E-5674	E,V	Stations 8 & 9	Structural Steel Details	11-9-50	0	11-9-50
3V-5675	V	200-Ft. Tower	Working Platform Under Cab Floor	10-24-50	1	11-24-50
3V-5676	V	200-Ft. Tower	Field Alterations to Cab	10-24-50	1	11-3-50
3V-5677	V	200-Ft. Steel Tower	Floor Plate & Beam Lifter for Main Hoist Hatch	12-22-50	0	12-22-50
3E-5678	E,V	Stations 121a, b, c, d, & e	Details of Steel Castings	12-13-50	3	1-17-51
3E-5679	E,V	Stations 121a, b, c, d, & e	Steel Casting, Leveling Plate, & Anchor Bolt Details	12-13-50	2	12-13-50
3T-5680	T,S	Stations 625 & 626a (Location T), Station 623 (Location S)	Structural Plans & Details	12-1-50	1	12-1-50
3E-5681	E,V	Stations 121a, b, c, d, & e	Foundation Plan & Details	12-13-50	5	2-23-51
3E-5682	E,V	Stations 120a, b, c, d, & e	Plans & Details	12-13-50	2	1-17-51
2B-5683	B	Bldg. 201	Foundation Plan, Mess Hall Addition	11-9-50	0	11-9-50
3E-5684	E, E+, V	Station 144a	Structural Plans & Details	12-8-50	1	12-8-50
2B-5685	B	Bldg. 334	Structural Plans & Details, Underground Shelter	11-24-50	0	11-24-50

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>STRUCTURAL</u> (Continued)						
3S-5686	S,T	Stations 623b & 624b (Location S), Stations 625b & c, 626b & c (Location T)	Structural Plans & Details	12-1-50	1	1-4-51
3V-5687	E+,V	Station 144a	Structural Steel Details, Tube Alignment Rack	12-8-50	1	12-8-50
3E-5688	E	Station 144a	Structural Steel Details, Tube Alignment Rack	12-8-50	1	12-8-50
3E-5689	E+	Station 2+	Structural & Electrical	12-12-50	0	12-12-50
3E-5691	E	Stations 8+ & 9+	Plans, Elevations, & Sections	12-12-50	0	12-12-50
3E-5692	E	Stations 8+ & 9+	Structural Steel Details	12-12-50	0	12-12-50
3E-5693	E	Stations 10+, 11+, 12+, 14+, 15+, & 19+	Plans, Elevations, & Sections	12-12-50	0	12-12-50
3E-5694	E	Stations 10+, 11+, 12+, 14+, 15+, & 19+	Structural Steel Details	12-12-50	1	12-19-50
3E-5695	E,E+, V	Stations 145 & 146	Structural Plans & Details	12-8-50	1	12-12-50
3E-5696	E, E+, V	Stations 145 & 146	Foundation Plans & Details	12-8-50	0	12-8-50
3E-5697	E, E+, V	Station 144a	Final Tube Alignment Data	1-12-51	0	1-12-51
3V-5698	V	200-Ft. Tower	Field Alteration, Addition to C - S - D (Tubing)	12-14-50	0	12-14-50

3C-5699	C	Stations 77a & b, 78	General Arrangement & Details of Rafts	1-17-51	1	1-17-51
3V-6601	V	200-Ft. Tower	Field Alteration at 50-Ft. Level Platform	1-11-51	1	1-11-51
3E-6602	E+	200-Ft. Steel Tower	Foundation Details - Sheet 1	12-12-50	1	12-19-50
3E-6603	E+	200-Ft. Steel Tower	Foundation Details - Sheet 2	12-12-50	1	12-19-50
3E-6604	E+	200-Ft. Steel Tower	Foundation Details - Sheet 3	12-12-50	0	12-12-50
3E-6605	E+	200-Ft. Steel Tower	Foundation Details - Sheet 4	12-12-50	0	12-12-50
3E-6606	E+	200-Ft. Steel Tower	Footing Plan & Details for Guy & Messenger Cables	12-12-50	0	12-12-50
3E-6607	E+	200-Ft. Steel Tower	Equipment Foundation Plan & Details	12-12-50	0	12-12-50
3T-6608	T	Stations 77a & 77b	Structural Plans & Details	1-4-51	0	1-4-51
3V-6609	V	200-Ft. Steel Tower	Platform Structural Details - Sheet 1	1-11-51	0	1-11-51
3V-6610	V	200-Ft. Steel Tower	Platform Structural Details - Sheet 2	1-11-50	0	1-11-51
3E-6611	D	Station 125	Structural Plans & Details for Concrete Platform	12-21-50	1	2-14-51
3E-6612	E	300-Ft. Tower	Field Alteration of Coaxial Support & Working Platform at 275-Ft. Level	1-4-51	1	1-26-51
3E-6613	E	300-Ft. Tower	Field Alterations for Sight Openings in Tower Cab	1-4-51	0	1-4-51
3E-6614	E+	200-Ft. Tower	Field Alterations for Sight Openings in Tower Cab	1-4-51	0	1-4-51

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>STRUCTURAL</u> (Continued)						
3V-6615	V	200-Ft. Tower	Field Alterations for Sight Openings in Tower Cab	1-4-51	0	1-4-51
3G-6616	G	Station 721	Plan & Details of Raft (3 Stations)	1-17-51	0	1-17-51
2E-6617	E	Bldg. 3.1.1	Location of Vertical Pipes for Deformation Measurement	1-12-51	0	1-12-51
3V-6618	V	200-Ft. Steel Tower	Isometric Diagram of Alterations & Additions	1-19-51	0	1-26-51
3E-6619	E,V	Stations 121a, b, c, & d	Details of Flange & Stud Installation of Steel Castings	2-23-51	0	2-23-51
SK-601	-	LCT (6) House Covering, General Details	Sketch	-	0	-
SK-602	-	75-Ft. Tower	Sketch	Not sent	0	-
SK-603	F	Bldg. 1	Sketch	Not sent	0	-
SK-604	C,D,E	Timing Communications Station	Sketch	Not sent	0	-
SK-607	C,D,E	Station 6	Sketch	Not sent	0	-
SK-609	C,E	Stations 23a & b (Locations C & E), Station 25 (Location E)	Sketch	Not sent	0	-
SK-610	E	J-3 Footings	Sketch	Not sent	0	-

SK-611	-	Proposed Conduit Between Hutments & Bldgs.	Sketch	Not sent	0	-
SK-612	C,D,E	Station 6 - Bldgs. 6a & b - Cone Details	Sketch	Not sent	0	-
SK-614	D	300-Ft. Tower, Arrangement of Messenger Cable	Sketch	3-24-50	0	3-24-50
SK-615	-	300-Ft. Steel Tower, Shop Drawing Revision (Tracing to Field)	Sketch	3-30-50	0	3-30-50
SK-616	-	Instrumentation Organization	Sketch	Not sent	0	-
SK-617	-	Summary of Instrumentation	Sketch	Not sent	0	-
SK-618	-	Recorder Shelter, A, D, E, G, & H	Sketch	Not sent	0	-
SK-619	-	Recorder Shelter, Details	Sketch	Not sent	0	-
SK-620	-	Bldg. 3.3.5a, Electrical Layout	Sketch	Not sent	0	-
SK-621	-	Bldg. 3.3.5a, First Floor Plan	Sketch	11-10-50	1	11-10-50
SK-622	-	Hydraulic Lift Sketch	Sketch	Not sent	0	-
SK-623	-	200-Ft. Steel Tower, Preliminary Sketch	Sketch	Not sent	2	-
SK-624	-	Anchor Assemblies for 200-Ft. Steel Tower	Sketch	Not sent	0	-
SK-625	-	200-Ft. Steel Tower Cables	Sketch	Not sent	0	-
SK-626	-	Whitemore Gage Pointer, 1-1/16" long	Sketch	Not sent	0	-
SK-627	-	Whitemore Gage Pointer, 3" long	Sketch	Not sent	0	-

DRAWINGS FOR PROVING GROUND FACILITIES (Continued)

DRAWING NUMBER	LOCA-TION	SUBJECT	TYPE OF DRAWING	INITIAL DATE TO JOBSITE	NO. OF REV-ISIONS	DATE LAST REVISION TO JOBSITE
<u>STRUCTURAL</u> (Continued)						
SK-628	-	Center Punch & Guid Bushing for use with Whitmore Drill Fixture	Sketch	Not sent	0	-
SK-630	-	Military Instrumentation Program, Camera Mounts Types A & B	Sketch	Not sent	0	-
SK-631	C,D,E	Stations 132a & b, General Layout	Sketch	Not sent	0	-
SK-632	-	Military Structures, Camera Mount Location	Sketch	7-7-50	1	7-7-50
SK-633	-	Test Sketch, Insert Template 5306	Sketch	Not sent	0	-
SK-634	-	200-Ft. Tower Footings	Sketch	Not sent	0	-
SK-635	-	Military Structures Program, Change in Location of 301-J	Sketch	Not sent	0	-
SK-636	-	Military Structures Program, Location of Mounts as proposed by Field	Sketch	Not sent	0	-
SK-637	-	300-Ft. Steel Tower, Alternate Limonite Column Locations	Sketch	Not sent	0	-
SK-638	V	Splice for Lower 15'0" Section of 200-Ft. Column, Alternate Bolted Splices for Column Forms, Splice for Upper 17'0" Section	Sketch	Not sent	0	-
SK-640	M	75-Ft. Tower, Hoisting Machine Foundation	Sketch	9-8-50	0	9-8-50

DRAWINGS FOR FACILITIES ON ISLAND "F" - COMPLETED BUT NOT USED

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING
3F-079	Stations 132A, B, C, & D, Stations 58 & 6A	Electrical Plan & Details
4F-084	Power & Water Distillation Plant	Electrical Underground Conduit Plan
4F-085	Power & Water Distillation Plant	
13F-216	Location "F"	Road & Bldg. Location
13F-270	Location "F"	Roads, Bldgs. & Airstrip
6F-354	Location "F"	Electrical Overhead & Underground Distribution
4F-355	Power & Water Distillation Plant	Electrical Underground Conduit, Plan, & Sections
7F-359	Location "F"	Control & Communication Distribution
2F-360	Transformer & Motor Generator Shelter	
8F-363	Bldg. 1	Electrical Plans
2F-385	Storage & Shop Tent	Electrical Plans
4F-443	Power & Water Distillation Plant	Piping & Equipment Plan
4F-444	Power & Water Distillation Plant	Diesel Engine Piping
4F-454	Bldg. 1	Dehumidification Equipment
9F-517	Location "F"	Fresh Water & Salt Water Systems
4F-611	Power & Water Distillation Plant	Structural Details
9F-612	Power & Water Distillation Plant	Equipment Footings, Plan, & Details
8F-619	Bldg. 1	Structural Details
2F-930	Storage & Shop Tent	Plans, Elevations, & Details
2F-944	Pit Latrine	Foundation & Details
2F-945	Open Air Showers & Lavatories	
2F-5145	Open Air Motion Picture Theatre - Bldg. 28	Projection Room Details

DRAWINGS FOR FACILITIES ON ISLAND "F" (Continued)

DRAWING NUMBER	SUBJECT	TYPE OF DRAWING
2F-5146	Open Air Motion Picture Theatre - Bldg. 28	Theatre Plan, Projection Room & Screen Details
2F-5147	Refreshment Tent - Bldg. 29	Plans & Details
2F-5148	P.X. Tent - Bldg. 30	Plans, Elevations, & Details
1F-5150	Location "F"	Site Plan
2F-5151	Power House & Stills - Station 100	Plans, Elevations, & Details
2F-5152	Kitchen - Bldg. 26	Plans, Elevations, & Details
4F-5432	Power & Water Distillation Plant	Equipment Piping Plan
4F-5433	Power & Water Distillation Plant	Diesel Engine Piping
4F-5434	Power & Water Distillation Plant	Miscellaneous Details
2F-5436	Stations 132A & B, 6A, & 58	Dehumidification & Ventilation
2F-5607	Stations 132A & B, 6A, & 58	Structural Plan & Details
3F-5643	Stations 132A & B, 6A, & 58	Structural Details

DRAWINGS COMPLETED, VOIDED, & REDRAWN

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING
E-1	-	300-Ft. Tower	Electrical Plan & Details
E-3	-	300-Ft. Tower	Electrical Details
E-4	-	300-Ft. Tower	Electrical Plan
7A-014	A	South Middle, Location "A"	Telephone & Communication Overhead Distribution
7A-015	A	South End, Location "A"	Telephone & Communication Overhead Distribution
2P-026	C, Q, P, N	Station 61 (Locations C, Q, P, & N), Station 63 (Locations Q & N)	Electrical Plan & Details
6P-027	N, P, Q	Locations N, P, & Q	Electrical Underground Distribution
3C-029	C, E	Stations 54 & 57	Electrical Plan & Details
7A-068	A	Loran Station	Antenna Radial Grounding System & Poles
4F-084	F	Power & Water Distillation Plant	Electrical Underground Conduit Plan
2B-110	B	Power Plant - Bldg. 301	Foundation Plan
2B-112	B	18-Man Quarters	
2B-114	B	18-Man Quarters	Special Details
2B-116	B	Salt Water Pump Station - Bldg. 410	Foundation Plan
2B-124	B	18-Man Quarters	Architectural Details
2B-130	B	Salt Water Pump Bldg. - Bldg. 410	Floor Plan & Elevations
2B-133	B	Open Air Motion Picture Theatre	Theatre Plan & Stage Details
2B-136	B	Open Air Motion Picture Theatre	Projection Booth & Shelter Details
2B-147	B	Counting & Sample Laboratory - Bldg. 212	Foundation Plan
2B-153	B	Salt Water Pump Station - Bldg. 410	Foundation Plan

DRAWINGS COMPLETED, VOIDED, & REDRAWN (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING
2H-167	-	Typical Tent Frame	Plan, Elevations, & Details
2B-170	B	Counting & Sample Laboratory - Bldg. 212	Floor Plan & Elevations
2H-171	-	Typical Tent Slab	Slab & Details
2A-180	A	Drone Headquarters	Floor Plan & Elevations
2B-187	B	Control Bldg. - Bldg. 311	Floor Plan, Elevations, & Special Details
2A-192	A	Electronics Supply & Maintenance	Floor Plan & Elevations
2H-198	-	Typical Screen Details	Elevations & F.S. Sections (Two Tracings)
2B-199	B	Infirmery & Nurses Quarters - Bldgs. 117 & 118	Special Details
2G-224	-	Locations of NRL Bldgs.	
8H-328	-		Control & Signal Submarine Cable Chart (3 Sheets)
6C-351	C	Camp	Electrical Overhead Undergroun Distribution
7C-356	C	Camp	Control & Communication Distribution
2B-379	B	Photo Laboratory - Bldg. 210	Electrical Plan
2B-391	B	Laboratory - Bldg. 231	Electrical Plan
2B-404	B	Reefer & Commissary	Plumbing
2B-409	B	Laundry & Boiler House	Plumbing
11G-457	C,D,E	P.O.L. Facilities	Fuel Receiving Lines & Details
2A-484	A	Mess Hall - Bldg. 36	Exhaust Hood Details
3C-497	C,E	Station 54	Ventilation
17H-602	-	100-Ft. Tower	
3H-606	-	75-Ft. Tower	Cab Details

DRAWINGS COMPLETED, VOIDED, & REDRAWN (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING
3G-609	-	300-Ft. Aluminum Tower	Foundation Plan & Details
3G-628	C,D,E	Bldg. 18	Structural, Mechanical, & Electrical Details
2C-631	C	Station C-61	Structural Plans & Details
2C-632	C	Station 7	Structural & Electrical Details
2C-638	C,E	Station 54	Plan & Details
2E-638	E	Station 54	Plan & Details
3G-650	C,D,E	Station 50A	Structural Plans & Details
3C-653	C,E	Station 52	Structural Plans & Details
3C-654	C,E	Station 52	Structural Details
3C-656	C,E	Station 54	Concrete Details
2E-671	E	Bldg. 54	Miscellaneous Steel Details
3G-688	-	200-Ft. Steel Tower	Cab Elevations & Details
3E-691	E,C	Stations 39A & B (Location E), Station 39C (Location C)	Structural Plans & Details
3G-693	-	200-Ft. Steel Tower	Tower Cab Architectural Plans, Sections, & Details
3E-695	E,F,V, C	Stations 51A, B, C, & D	Structural Plans & Details
17G-803	C,E	Stations 20A to F (Locations C & E), Stations 21A, B, & C (Location E)	Field Panel Closure Plate (Cylindrical)
17G-805	C,E	Stations 20A to F (Locations C & E), Stations 21A, B, & C (Location E)	Field Panel Closure Plate (Box)
17G-806	C,E	Stations 20A to F (Locations C & E), Stations 21A, B, & C (Location E)	Field Panel Access Hole Cover Assembly
17G-807	C,E	Stations 20A to F (Locations C & E), Stations 21A, B, & C (Location E)	Field Panel Junction Box

DRAWINGS COMPLETED, VOIDED, & REDRAWN (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING
17G-808	C,E	Stations 20A to F (Locations C & E), Stations 21A, B, & C (Location E)	Field Panel Junction Box Cover
1A-902	A	North End, Eniwetok Island	Site Plan
2A-917	-	Typical Tent Frame (16'-4" x 4" Tent)	Plan, Elevations, & Details
2A-932	A	Transmitter Bldg. & Transmitter Power Bldg. - Bldgs. 3 & 4	Floor Plans & Elevations
2B-943 or 938	-	Technical Planning Bldg. - Bldg. 221	Special Details
2H-948	-	Typical Tent Frame (4-Man Tent)	Plan, Elevations, & Details
2A-951	-	Typical Tent Frame (8-Man Tent)	Plan, Elevations, & Details
2L-983	L	Autopsy Bldg. - Bldg. 49	Plan, Elevations, & Details
2A-992	A	NRDL & Chemical Corps Area - Bldgs. 117A, B, & C	Architectural & Electrical Plan
2A-5108	A	Group Headquarters - Bldg. 15	Floor Plans & Elevations
2B-5129	B	P.X., Barber Shop & Post Office - Bldg. 204	Snack Bar Counter Details
2G-5142	-	Tower Cab	Architectural Elevations Changes to 200-Ft. Tower
2L-5153	L	Animal Infirmary - Bldg. 52	Floor Plan, Elevations, & Details
2B-5156	B	Mess Hall Addition - Bldg. 201	Floor Plan & Elevations
7S-5308	-	-	-
7D-5310	V	Location "V"	Electrical Power, Telephone, Control, & Signal Distribution (Sheet 2 of 7)
6B-5322	B	South Middle, Location "B"	Electrical Overhead & Undercable Distribution
3E-5402	E,S,T	Station 75 (Location E), Stations 76 & 77 (Location S), Stations 78 & 79 (Location T)	Ventilation

DRAWINGS COMPLETED, VOIDED, & REDRAWN (Continued)

DRAWING NUMBER	LOCATION	SUBJECT	TYPE OF DRAWING
3C-5603	C	Station 54	Plan & Details
3C-5604	C	Station 54	Concrete Details
3C-5605	C	Station 57	Plan & Details
3C-5606	C	Station 57	Concrete Details
3C-5610	C	Station 52	Structural Plans & Details
3C-5611	C	Station 52	Structural Steel Details
3C-5612	C	Station 52	Structural Bearing Plates & Anchors
3C-5613	C	Station 52	Foundation Plan & Details
3E-5614	E	Stations 20 & 21	Structural Plans & Details
3E-5646	E,V	Stations 120A, B, C, D, & E, Stations 121A, B, C, D, & E	Structural Plans & Details
3G-5652	V	200-Ft. Column	Structural Details
3G-5655	V	200-Ft. Column	Structural, Erection Ties
3V-5667	V	200-Ft. Column	Base Details
SK-125	-	Holmes & Narver Administration Bldg.	Sketch
SK-132	-	Scientist's Administration Bldg., Scheme C	Sketch
SK-139	-	Technical Planning Bldg., Scheme 1	Sketch
SK-141	-	Technical Planning Bldg., Scheme 2	Sketch
SK-303	-	Preliminary Power Single-Line Diagram, Experiment Islands	Sketch
SK-320	-	Preliminary Layout, Telephone Switchboard & Equipment Room - Bldg. 208	Sketch
SK-321	C,D,E	Proposed Layout Communication Room	Sketch

DRAWINGS COMPLETED, VOIDED, & REDRAWN (Continued)

DRAWING NUMBER	LOCA- TION	SUBJECT	TYPE OF DRAWING
SK-326	F	Proposed Power House Layout	Sketch
SK-346	E,S,T	Time Cable Block Diagram	Sketch
SK-402	B	P.O.L. Facilities, Equipment Location Plan	Sketch
SK-608	-	Proposed Details & Base Design, Collimator Near Station F	Sketch
SK-610	E	Plans, Elevations, & Sections, j-3 Footings	Sketch
SK-623	-	200-Ft. Steel Tower, Preliminary Sketch	Sketch

FIELD SKETCHES

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
1		Crater Cross-Section, Location "E"	2-15-49
1A		Additional Crater Topography, Location "E"	4-7-49
2		Crater Profile, Location "E"	2-15-49
3		Topography, South Portion, Location "B"	3-11-49
4		Topography, North Portion, Location "B"	3-11-49
5		North Pier Cross-Section, Location "B"	3-14-49
6		Topography, North End Location "C"	3-21-49
7		Airstrip Cross-Section Location "C"	3-21-49
8		Pier Cross-Section Location "C"	3-49
9		Crater Topography, Location "D-1"	3-49
10		South Pier Cross-Section, Location "A"	---
11		Topography, Location "A" - Sheet 1	4-49
12		Topography, Location "A" - Sheet 2	4-49
13		Topography, Location "A" - Sheet 3	4-49
14		Topography, Location "A" - Sheet 4	4-49
15		Topography, Location "A" - Sheet 5	4-49
16		Plan, Mess Hall & Stills, Location "E"	4-49
17		Plan, Refrigerated Storage, Location "E"	4-49
18		Copy of Field Sketch #4	3-11-49
19		Proposed Fuel Storage, Location "A"	5-49
20		Proposed Fuel Storage, Location "A"	5-49
21	1	Topography, 200-Man Camp, Location "A"	6-20-49
22		Topography, 200-Man Camp, Location "D-3"	5-29-49
22A		Revised Topography, 200-Man Camp, Location "D-3"	6-7-49

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
23		Topography, 200-Man Camp, Location "C"	5-24-49
24		Airstrip Cross-Section, Location "D"	5-27-50
25		Tentative Site Plan, Location "A"	---
26		Cross-Sections & Soundings, South Pier, Location "A"	6-9-49
27		Soundings, Personnel Pier, Location "A"	6-11-49
28		Cross-Sections & Soundings, Pier, Location "E"	6-16-49
29		Cross-Sections & Soundings, Pier, Location "D-1"	6-14-49
30		Soundings, Personnel Pier, Location "B"	6-10-49
31		Coral Head Photo Tower Detail	6-24-49
32		Location Existing P.O.L. Submarine Facilities, Location "B"	7-2-49
33		Topography, North Portion, Location "L"	7-23-49
34		Cross-Sections & Soundings, Pier, Location "L"	7-25-49
35		Topography, Location "C" - Sheet 1	8-5-49
36		Topography, Location "C" - Sheet 2	8-5-49
37		Topography, Location "C" - Sheet 3	8-5-49
38		Causeway Location, Topography & Soundings, Location "D2-3"	---
39		Airstrip Runway Profile, Location "C"	---
40		Topography, South Portion, Location "L"	9-20-49
41		Test Borings, South End of Runway, Location "A"	---
42		Complete Topography, Location "D-1"	---
43		Complete Topography, Location "D-2"	---
44		Topography & Hydrography, Location "F" & Vicinity	---
45		Corrected Triangulation Traverse, Location "A"	---
46		New Personnel Pier--Tie to Control Traverse, Location "A"	11-23-49

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVISION NO.	DESCRIPTION	DATE
47		Horizontal Control Survey, Triangular Net	12-10-49
48		Temporary P.O.L. Area Topography, Location "A"	—
49		Complete P.O.L. Area Topography, Location "A"	—
50		Complete Topography, Location "D-3"	12-30-49
51		Complete Topography, Location "E"	1-16-50
52		Topography, Location "E" - Sheet 1	1-25-50
53		Topography, Location "E" - Sheet 2	1-25-50
54		Topography, Location "E" - Sheet 3	1-25-50
54A		Revised Topography, Location "E"	6-20-50
55		General Topography, Location "A" - Sheet 1	1-28-50
56		General Topography, Location "A" - Sheet 2	1-28-50
57		General Topography, Location "A" - Sheet 3	1-28-50
58		General Topography, Location "A" - Sheet 4	1-28-50
59		Hydrography, Causeway, Location "E" to Location "S"	3-20-50
60		Proposed Location, Submarine Cables, Location "B"	3-28-50
61		Topography, Location "Q"	4-3-50
62		Topography, Location "P"	4-10-50
63	1	Topography, Location "S"	6-15-50
63A	7	Structure Staking Map & Control Survey, Location "S"	8-10-50
64	1	Hydrography, Locations "D-1" & "V"	5-25-50
65		Topography, Location "N"	4-13-50
66	1	Topography, Location "V"	5-13-50
67	1	Topography, Location "T"	6-15-50
68		Concrete Slab Location, Location "B"	5-5-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
69		P.O.L. Berms Elevation, Location "B"	5-20-50
70	1	A.O.G. Mooring Buoys Location, Location "B"	9-5-50
71		Precise Control Orientation, Location "E"	5-26-50
72A		Submarine Cable Chart - Sheet 1	5-27-50
72B		Submarine Cable Chart - Sheet 2	5-29-50
73	1	Precise Control, Location "E"	9-30-50
74		Field Surveys & Calculations to Fix Position, Location "M"	9-24-50
75		Atoll Marine Map	6-8-50
76	1	Triangulation Fixing Beacon M, Location "T", PI 1, & "S"	6-14-50
77		Topography, Location "F"	6-12-50
78		Topography & Hydrography, Location "F" & "U"	7-12-50
79		Topography, Location "U"	---
80		Animal Run, Location 38 to 45, Location "L"	7-26-50
81		Soundings at Old Freight Pier, Location "B"	---
82	1	Topography, Location "R"	8-14-50
83		Sand Bars, Location "F"	---
84	1	Precise Control, Locations "DI", Location "V", & Causeway Location	9-16-50
84A		Location Construction Road, Locations "DI" & "V"	8-30-50
85		Precise Control, Location "D2" & "D3"	8-18-50
86		Precise Control, Location "C"	9-14-50
87		Profile, Causeway, Locations "DI" & "V"	9-8-50
88		Traverse Locating Water Tower, Location "B"	10-11-50
88A		Location of Water Tower (on 8½x11" sheet traced from Chart No. 2009)	10-11-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVISION NO.	DESCRIPTION	DATE
89		Hydrography, Eberiru to Acomon	10-21-50
90		Primary Cable, Engebi	11-29-50
91		New Tent Area, Location "B"	11-28-50
92		Location of Rigili	12-11-50
93		Location Loran Antenna, Location "A"	12-1-50
94		Topography, South Tip of Runit	12-14-50
95		New Road, Sandstone & Trinity	12-21-50
96		Topography, Bogon	12-23-50
97		Muzin Channel, Engebi	12-26-50
98		Hydrography, Engebi	12-28-50
99		Hydrography, Bifjiri, Rojosa, & Aaraanbiru	1-2-51
100		Topography, Station 10, Location "D"	1-10-51
101		Landscape Plan, Location "B"	2-1-50
102	2	Progress Plan, Location "L"	12-8-49
103		Progress Plan, Bldgs. & Sewers, Location "B"	11-1-49
104		Progress Plan, Salt & Fresh Water, Location "B"	11-1-49
105		Progress Plan, Overhead Electrical, Distribution, Location "B"	12-12-49
106		Personnel Pier, Location "B"	12-22-49
107		—————	—
108		Personnel Pier Float, Location "B"	12-22-49
109		Hot Locker, 4' x 6'	12-22-49
110	3	Progress Plan, Salt & Fresh Water, Location "E"	5-28-50
111		V O I D	
112		Revised Plumbing, Bldgs. 100 to 110, Location "B"	11-19-49

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVISION NO.	DESCRIPTION	DATE
113		Re-routing of Brookhaven Road, Location "B"	11-22-49
114		Triangulation Tower, Location "C" Coral Head	11-15-49
115		V O I D	
116		Ramp to Dock at Reefer, Location "B"	12-14-49
117		Study of Proposed Reefer, Location "B"	12-12-49
118	2	Progress Plan, Overhead Electrical, Distribution, Location "E"	4-25-51
119		Machine Shop Details, Location "L"	2-8-50
120		Garbage Can Wash-house, Location "B"	2-15-50
121		Soundings, Harbor Area, Location "E"	2-20-50
122		Organization Chart	Monthly
123	6	Progress Plan, Overhead Electrical Distribution, Location "B"	5-28-50
124	5	Progress Plan, Sewers & Bldgs., Site "E"	5-28-50
125		Pole Detail	3-1-50
126		Portable Gantry	3-10-50
127		Progress Plan, Revised Overhead Electrical Distribution, Location "E"	2-24-50
128		Trolley for Portable Gantry	3-16-50
129		Foundation Revision, Power Plants, Locations "C", "D" & "E"	3-30-50
130		"As Built" Diesel Piping, Power Plant, Location "B"	4-7-50
131		Details for Tent Construction	4-12-50
132		Fresh, Salt Water & Sewer Lines, Location "D"	4-17-50
132A		Sewer Outfall Details, Location "A"	4-15-50
133		Organization Chart, Location "A"	4-18-50
134	1	Location Plan, All Structures, Location "E" & "S"	4-24-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVISION NO.	DESCRIPTION	DATE
135	2	Progress Plan, Bldgs. & Sewer, Location "L"	5-28-50
136		Hot Locker, 8' x 8'	5-28-50
137		Hose Rack Details, Fire Station Bldg., Location "B"	4-24-50
138		Recreation Area, Location "B"	4-25-50
139		New Working Slabs, Shop Bldgs 322 & 406, Location "B"	4-26-50
140		Electrical Service Panel Neutral Ground	4-26-50
141		Cabinets & Shelving, Infirmary, Location "B"	4-27-50
142	2	Progress Plan, Overhead Electrical Distribution, Location "L"	5-28-50
143	2	Progress Plan, Salt & Fresh Water Distribution, Location "L"	5-28-50
144	1	Progress Plan, Camp Site, Location "D"	5-28-50
145		Marine Ramp Detail, Location "B"	4-28-50
146		P.O.L. Area Dikes, Location "B"	4-29-50
147		Playground Area, Location "B"	5-2-50
148A		Underground Piping Revisions, Power Plant, Location "A"	5-2-50
149A		Relocation of Expansion Tanks, Power Plant, Location "A"	—
150		Fire Hydrant Location, Location "B"	5-3-50
151		Progress Plan, Camp Site, Location "G"	5-28-50
152		Diesel Piping Arrangement, Power Plant, Location "B"	5-5-50
153		Relocation of Reefer & Flake Ice Machine, Location "B"	5-6-50
154		Airstrip Improvements, All Locations	5-6-50
155		Location of Openings, Gamma A Bldg., Location "E"	5-6-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
156		Snack Bar Counters, Location "B"	5-9-50
157		Pipe Insulation Against Electrolysis, All Locations	5-10-50
158		"As Built" Status, Bldg. 113, Location "B"	5-10-50
159		"As Built" Status, Bldg. 119, Location "B"	5-10-50
160		Fresh Water System, Fitting Changes, Location "C"	5-10-50
161		Salt Water System Fitting Changes, Location "C"	5-10-50
162		Water & Sewer For Wooden Buildings, Location "L"	5-15-50
163		Underground Piping Plan, Power Plant, Location "B"	5-16-50
164		Addition to Reefer, Bldg. 217, Location "B"	5-16-50
165		Log of Test Holes, Bldg. 3.1.1., Location "E"	5-18-50
166A		Log Test Borings, Hangar Bldgs., Location "A"	5-20-50
167		Camp Area Expansion, Location "E"	5-27-50
168		Parts for Pacific Iron & Steel Bldgs - 9 Sheets	5-26-50
169		Coral Concrete Strength Chart	5-29-50
170		Exhaust Hood for Snack Bar	5-29-50
171		Airstrip Lengths - 6 Sheets	5-31-50
172		Snack Bar Griddle Exhaust Hood, Location "B"	5-31-50
173		Acid Tank Bldg., Power Plants, Locations "A" through "E", and Location "L"	5-31-50
174		Electrical Service Outlets, Cargo Pier, Location "B"	5-31-50
175		V O I D	
176		Warehouse Bldg. 313 Modifications, Location "B"	6-3-50
177		P.O.L. Area, Rip Rap Fill, Location "B"	6-3-50
178		P.O.L. Area, Fire Protection, Location "B"	6-6-50
179		Relocation of Control Cubicle, Location "L"	6-6-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
180		Warning Signals, Power Plants, Locations "A" through "E"	6-8-50
181		Small Craft Landing Float, Location "D"	6-9-50
182		Fuel Consumption Chart, Gas & Diesel, Location "B"	6-10-50
183		Recreation Sketches	6-10-50
184		War Room, Task Force Headquarters, Bldg. 221, Location "B"	6-12-50
185		Mess Plumbing and Underground Oil Lines, Location "E"	6-12-50
186		Alterations to Autopsy Building, Location "L"	6-13-50
187		Temporary 50' x 100' Warehouse Bldg., Location "E"	6-13-50
188		Special Structures, Locations "E" & "S"	6-15-50
189		Mess Hall Boiler House Alterations, Locations "C", "D", "E", & "L"	6-16-50
190		Walks & Ramp, Mess Hall & Reefer Bldg., Location "B"	6-19-50
191		Special Structures, Locations "E" & "S"	6-19-50
192		Atoll Map	6-19-50
193		Details, Salt Water Well & Pump-house, Location "B"	6-20-50
194		V O I D	
195		Revised Base of 75 Ft. Tower, Location "M"	6-20-50
196		Gauge Chart, Horizontal Cylindrical Tank	6-21-50
197		Garbage Storage Sheds, Locations "C" through "E", Location "L"	6-21-50
198		Telephone Shelf Detail	6-22-50
199		Penetration of Pilings, Causeway, Location "D"	6-23-50
200		Location & Details of Diesel Fuel Tanks, Location "L"	6-23-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
201		Clip Angle Detail, Animal Racks, Location "L"	6-25-50
202		Test Lab Report ES2, Bldg. 313, Location "E"	6-29-50
203		Foundation Piers, 5000-gallon Fuel Storage, Location "A"	6-30-50
204		V O I D	
205		Drafting Room Stool	7-5-50
206		Location New Animal Quarters (Mouse House) Location "L"	7-5-50
207		Tracing Table	7-6-50
208		Centerline, Columns & Beams, Bldg. 3.1.1., Location "E"	7-6-50
209		Test Lab Concrete Report Charts	7-8-50
210		Drafting Table Details	7-10-50
211		Spacers for Diesel Exhaust Piping, Locations "C" through "E"	7-11-50
212		Organization Chart, Location "A"	7-17-50
213		Detail, Range Hood Support, Bldg. 36, Location "A"	7-18-50
214		Eave Support, Parallel Bldg. Gutter Connection, Location "A"	---
215		Lab Report on Soil Test, Bldg. 3.1.1., Location "E"	7-20-50
216		Eave Support Substitution, Aluminum Bldgs.	7-21-50
217		Acid, Salt & Fresh Water Piping, Power Plant, Locations "C" through "E"	7-21-50
218		Proposed Changes & Additions to Infirmary, Location "B"	7-22-50
219		Camp Layout, Small Scale, Location "B" -	7-22-50
220		Test Lab Report ES3 - 3 Sheets	7-24-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
221		Test Lab Report ES4 - 1 Sheet	7-24-50
222		Test Lab Report ES5 - 12 Sheets	7-24-50
223		Test Lab Report ES6 - 1 Sheet	7-24-50
224		Test Lab Report ES7 - 2 Sheets	7-24-50
225		Test Lab Report ES8 - 1 Sheet	7-24-50
226		Test Lab Report ES9 - 1 Sheet	7-24-50
227		Personnel Landing, Location "C"	7-22-50
228		Field Laboratory, Location "E"	7-24-50
229		Laundry Production Chart	7-25-50
230		Site Plan, Small Scale, South End, Location "A"	7-26-50
231		H & N Personnel Curves, Jobsite Forecast	7-26-50
232		Location, Plate Bearing Tests & Drill Holes, Locations "E" & "S"	7-26-50
233		Stockpiling of Aggregate	2-16-50
234		Proposed Water Storage Tank, Location "B"	7-26-50
235		Construction Progress Chart	7-27-50
236		Revision to 300' Steel Tower Shop Drawings (SK 615)	3-30-50
237		Wood Survey Tower, 12' High	7-27-50
238		Operations Chart for 1950	7-27-50
239		Operations Chart for 1950	7-27-50
240		Progress Chart, Weekly Percentages	—
241		Proposed Canopy for Animal Rums, Location "L"	7-28-50
242		Organization Chart, Service Operations	8-7-50
243		Weekly Water Consumption Chart	7-31-50
244		Men in Camp, Daily	7-31-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVISION NO.	DESCRIPTION	DATE
245		Meals Served, Daily	7-31-50
246		Daily Power Generation Chart	---
247		Organization Chart, Construction Department	8-7-50
248		Organization Chart, Administration	8-7-50
249		Structural Status Chart	8-1-50
250		Organization Chart, Engineering and General	8-7-50
251		Location Change, 3.0.1.J (Traced from SK635)	8-1-50
252		Fire Protection, P.O.L. Facilities, Location "B"	8-1-50
253		Dispensary, Location "E"	8-3-50
254		General Layout, Small Scale, Location "B"	8-3-50
255		Blueprint Paper Storage Box	8-5-50
256		Exhaust System, Bakery Oven, Location "B"	8-5-50
257		Recreation Building, Location "B"	8-5-50
258		Exhaust Ventilators, Mouse House, Location "L"	8-5-50
259		Theatre Shelter Extension, Location "B"	8-8-50
260		Crypto Vaults, Location "A" & Location "B"	8-9-50
261		Center of Gravity Diagram, Bldg. 3.3.4, Location "S"	8-11-50
262		Bldg. for Crash Protection, Jeep & Trailer, Location "B" to "E"	8-11-50
263		Revised Piping Details, Salt Water Pump Sta., Location "B"	8-24-50
264		Concrete Grease Pit, Location "C" & "D"	8-24-50
265		Concrete Bar-B-Que Pit	8-24-50
266		Revised Salt Water Feed to Distillation Units, Location "L"	8-24-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
267		Camp Area, Small Scale, Location "E"	5-18-50
268		Suggested Remedy for Foundation Erosion	8-28-50
269		Proposed Bars for Recreation Hall, Location "B"	8-29-50
270		Fence Location, Administration Area Location "B"	9-1-50
271		Salt Water Well & Suction Piping, Power Plant, Locations "C" & "D"	9-2-50
272		Footing Changes, Building 3.3.8.H, Location "S"	8-30-50
273		V O I D	
274		Exhaust System, Bakery Oven, Bldg. 35, Location "A"	9-9-50
275		Base Plate Details, Stations 70 through 72, 80 through 83	9-6-50
276		Relocation of Sleeve, Power Plant Roof Plan, Location "C"	9-6-50
277		Diesel Exhaust System, Power Plant, Location "C"	9-7-50
278		Salt Water Filter, Photo. Laboratory, Location "B"	9-8-50
279		Additional Drawings, Bldg. 3.1.1. (Traced from SKL4)	9-9-50
280		42,000 Gallon Fuel Oil Tank, LSU Installation	9-13-50
281		Proposed Marine Repair Dock, Location "B"	9-3-50
282		Counters, Security Office Bldg. 205, Location "B"	9-15-50
283		Door Opening Enlargement, Bldg. 322, Location "B"	9-20-50
284		General Layout, Locations "D" (all) & "V"	9-20-50
285		Proposed Concrete Reservoirs, Fresh Water, Location "B"	8-8-50
286		Proposed Design & Location, Water Storage Tank, Location "B"	9-21-50
287		General Layout, Small Scale, Location "C"	9-22-50
288		General Layout, Small Scale, Locations "E" & "S"	9-22-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
289		General Layout, Small Scale, Location "L"	9-23-50
290		Proposed Addition, Power Plant, Location "B"	9-25-50
291		Additional Communication Requirements, TF Bldg., Site "B"	9-26-50
292		Thermal Building, Location "L"	9-27-50
293		Description of Electrical Work	9-27-50
294		Aluminum Louvres, Crypto Vault, Bldg. 221, Location "B"	9-28-50
295		Proposed Horseshoe Pits, Location "B"	9-30-50
296		Construction Report (6 Sheets)	9-30-50
297		Proposed Layout, Location "L"	11-1-49
298		Proposed Theatre Shelter Extension, Location "B"	9-1-50
299		Bldg. 3.2.4.A (Redrawing of Sheet #5121A)	7-10-50
300		Recreation Department Chart	9-25-50
301		P.O.L. Facilities Foundation Layout, Location "B"	1-20-50
302		Monthly Construction Progress Chart	10-1-50
303		Construction Chart	10-1-50
304		Cone Penetrometer, Soil Investigation	10-4-50
305		Hot Plate Exhaust Hood, Bldg. 309, Location "B"	10-4-50
306		Footing Revisions, Bldg. 3.3.4., Location "S"	9-6-50
307		Lighting for Personnel Pier, Location "B"	10-5-50
308		Float Well, Salt Water Tank, Location "B"	10-6-50
309		Office Bldg. for Dispatcher & Guard, Locations "B", "C", & "D"	10-7-50
310		Drafting Room Stool	10-7-50
311		Lighting, Water Tanks, Location "B"	10-7-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
312		Low Water Indicator, Fresh Water Tank, Location "B"	10-7-50
313		Air Force Structures, Footing Revisions (5 Sheets)	9-6-50
314		Fresh Water Pipe Line to outer end of cargo pier for servicing T-Boats, Dry Dock, etc., Location "B"	10-10-50
315		Relocation of Hot Water Storage Tank in Laundry Boiler House, Location "A"	10-10-50
316		Location of Condenser Unit & Louvered Ventilator Photo Laboratory, Location "B" - 4 sheets	10-4-50
317		Addition of Auxiliary Boiler - Location "A" (2 sheets)	10-10-50
318		Septic Tank & Leaching Field Washroom Facilities, Bldg. 406, Location "B"	10-11-50
319		Installation of Badger Units, Location "A" (2 sheets)	10-12-50
320		Water Lines to Camp Office, Location "B" (2 sheets)	10-12-50
321		Foundation, 16" Heavy Duty Lathe, Machine Shop, Location "B"	10-13-50
322		Replacing Drums under Personnel Pier Float	10-13-50
323		Plumbing Fixture Location, Shower cabinet	10-18-50
324		Badger Units at Power Plant, Location "A"	10-18-50
325		Construction Progress & Percent Completion Report (6 sheets)	10-19-50
326		Extension of Personnel Pier, Location "D"	10-19-50
327		Table Top Desk, Isometric & Details	10-20-50
328		Door Lock, Film Pass Door, Bldg. 210, Location "B"	10-23-50
329		Partition and Drainage, Warehouse, Bldg. 320	10-23-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
330		Proposed road from Biijiri to Aomon Island	10-25-50
331		Root Storage Building, Location "B"	10-26-50
332		Revisions & Additions, Electrical Power Service Power, House, Location "D"	10-26-50
333		Revisions to Intake Ducts, Locations "C", "D", & "E"	10-27-50
334		Fire Hydrant & Hose Rack Sheds, P.O.L. Facilities, Location "B"	10-28-50
335		Weights & Measures, Common Nails	10-31-50
336		Concrete Reservoir, Fresh Water Storage, Location "B"	11-1-50
337		Addition to Power Plant, Location "B"	11-1-50
338		16-Oz. Copper Water Stop Detail	11-2-50
339		Supply & Return Duct, Dehumidification Unit, Station 131a, Location "E"	11-3-50
340		Replacement Clip Angles, Structure 3.3.3	11-3-50
341		P.O.L. Facilities, Additional Storage, Location "B"	11-6-50
342		Fixture Assembly, Station 80b, c, & d (Location "E") Station 80a, b, c, d, & e (Location "V")	11-7-50
343		Sleeve for Final Collimating Tube, Station 54	11-8-50
344		Detail Part No. D3, Structure 3.3.3	11-10-50
345		Wiring Diagram, Mill Type Overload Thermal & Instantaneous Trip	11-11-50
346		Floor Plans of Bldg. 3.3.5A	11-15-50
347		Concrete Foundation for Kholer Electrical Plant, Loran Station	11-17-50
348		Signal & Control Terminals, Locations "B", "C", "D", & "E"	11-18-50
349		Cargo Pier, Location "L"	11-20-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
350		Revision in One Leg of Angle Clip 107	11-20-50
351		Sink Relocation, X-Ray Bldg., Location "L"	11-20-50
352		Building for 250-KV X-Ray Machine Generator, Location "L"	11-21-50
353		Facility for Dry Stores (4-Man Tents)	11-25-50
354		Theater Expansion, Bldg. 200, Location "B"	11-28-50
355		Conversion of Cold Storage Bldg. to Marine Parts Repair Shop Sheets 1 & 2	11-28-50
356		Cargo Pier, Location "D" (3 Sheets)	11-28-50
357		Soundings for Pier, Japtan	11-13-50
358		Typical Ladder Detail for Personnel & Cargo Piers, Location "E"	11-28-50
359		New Sanitary Sewer Outfall, Location "B"	11-28-50
360		Revised Marine Ramp Detail, Location "B"	11-29-50
361		Drip Pans, Reefer Boxes, Location "A"	11-28-50
362		Water Cooling for Air Conditioner Unit, Location "L"	11-28-50
363		Recreation Area, Location "B"	12-1-50
364		Drain Line for Disposal, Storm Water, Location "B"	11-30-50
365		Beach Houses, Location "B"	12-2-50
366		Central Hot Locker Building, Location "B"	12-5-50
367		Rheostat, Location "B"	12-6-50
368		Structural Steel & Reinforcing Placement, Station 10, 11, & 12, Location "C"	12-7-50
369		Concrete Addition to Winch Base, Location "M"	12-8-50
370		Revised Suction Lines, Salt Water Pump House, Bldg. 410, Location "B"	12-5-50
371		Revised Suction Lines, Salt Water Pump House, Bldg. 124, Location "A"	12-6-50

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVISION NO.	DESCRIPTION	DATE
372		Salt Water Pump, Well, & Piping Scheme, P&D, Bldg. 56 - Location "A"	12-9-50
373		Sea Air Rescue Map, Eniwetok Atoll	12-11-50
374		Cargo Pier Lighting, Location "B"	12-14-50
375		Quarters, Bldg. 51, Location "L"	12-15-50
376		Projection of Sleeves in Foot of Station 131 to 300 ft. Tower Face, Location "E"	12-15-50
377		Warehouse Office for T.G. 3.1, Location "B" -	12-22-50
378		Addition to A.E.C. Administration Bldg., Bldg. 209, Location "B"	12-21-50
379		Operation Shack, Location B, C, D & E	12-22-50
380		Auxiliary Salt Water Pump Station, Power Plant, Location "A"	12-22-50
381		Airstrip Mooring Details, Locations "B", "C", "D", & "E"	12-23-50
382		Recreation Building, Bldg. 237, Location "B" -	12-27-50
383		Addition to Scullery, Bldg. 201, Location "B"	12-27-50
384		Loran Building, Location "A", Installation of Cross Connection Fuel Lines	1-3-51
385		Navigational Aids, Locations "C", "D". & "E"	1-3-51
386		Addition to Mess Hall Galley & Bakery, Location "B"	1-5-51
387		Proposed Layouts, Snack Bar, P.X., P.O., Shoe & Barber Shop, Location "B"	1-9-51
388		Proposed Repair to Personnel Pier, Location "A"	12-5-50
389		Alteration to Quonset, Location "B"	1-11-51
390		Precase Ring for Adj. Manholes to Grade	1-8-51
391		Proposed method for Construction of Triangular Pier	11-1-49
392		Addition to Laundry Building, Location "B"	1-16-51

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
393		Electric Service for Bldg. 3, Location "L"	1-16-51
394		Personnel Pier Landing, Location "A"	1-17-51
395		Water Rheostat Tank	1-18-51
396		Revision to Guy Cable Anchors, 200-Ft. Tower, Location "E" +	1-18-51
397		Laundry Extension, Location "B"	1-20-51
398		Control Cable Terminal Markings (5 Sheets)	1-19-51
399		Laboratory, Bldg. 12, Location "L"	1-20-51
400		Revision to Photo Room, Bldg. 90, Location "A"	1-23-51
401		Telephone Jack Shelter	1-23-51
402		Concrete Slab Addition to Photo Laboratory, Bldg. 210, Location "B"	1-23-51
403		Addition of Louvered Wall to Bldg. 330, Location "B"	1-23-51
404		Material Storage Zones, Location "B"	1-24-51
405		Street Light Installation & Service Bd. Revision, Infirmary, Location "L"	1-25-51
406		Field Sketch for Drawing 7E-094, Sta. 132 Area, Location "E"	1-25-51
407		Field Sketch for EXO Schedule, Drawing 7E-094, Location "E"	1-25-51
408		Open Air Theatre, Latrines, Bldgs. 30 & 108, Location "A"	1-25-51
409		Pier & Boathouse Lighting, Location "L"	1-26-51
410		Manometer & Thermocouple Connections to be Installed on Generator Units, Locations "C", "D", & "E"	1-26-51
411		Operation Chart for Testing Data, Generator Units, Locations "C", "D", & "E"	1-26-51
412		Concrete Grease Pit Location "E"	1-26-51

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
413		Additional Outlets, Autopsy Bldg., Location "L"	1-26-51
414		Temporary floor for Station 131a, Location "E" & "V"	1-27-51
415		Piping Details, Power & Water Distillation Plant, Station 100, Location "C"	1-27-51
416		Reinforcing Steel Shop, Bldg. 96, Location "E"	1-27-51
417		Plans & Details of Entryway, Station 120 a to e, Locations "E" & "V", 121a to e	1-29-51
418		Plan & Elevations, Construction Office, Bldg. 97, Location "E"	1-29-51
419		Causeway for Coax Cables	1-29-51
420		Plans, Elevations, & Sections, Carpenter Shop, Location "E"	1-30-51
421		Plan Elevation & Section, A.E.C. Instrument Warehouse, Location "E"	1-31-51
422		Wedge Assembly, Station 11 Collimator Block	1-30-51
423		Isometric Piping Layout, Typical Diesel Generator Unit, Location "C", "D", & "E"	1-31-51
424		Reefer, 100-Man Mess Hall, Bldg. 104, Location "D"	1-31-51
425		Addition to P.X., Barber Shop, & Snack Bar, Location "B"	1-31-51
426		Rewiring of Existing Shop, Bldg. 3, Location "L"	2-1-51
427		Paint & Tool Shed, Bldg. 121, Location "C"	2-1-51
428		Concrete Tool Shed, Plan, Elevation, Section, & Electrical Details, Location "E"	2-1-51
429		Temporary 50' x 100' Warehouse, Bldg. 2, Location "E"	2-1-51
430		Diesel Lube Oil & Fuel Oil Piping, Locations "C", "D", & "E"	2-3-51
431		Timekeeper's Office & Fire Station, Location "E"	2-3-51

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
432		Garage & Shop, Location "E"	2-3-51
433		Intercommunication & Sound Powered Telephone Distribution, Location "B"	2-3-51
434		Temporary Distillation Plant, Location "E"	2-3-51
435		Diesel Engine Jacket Water Cooling System, Locations "C", "D", & "E"	2-5-51
436		Refreshment Hall Bldg., Location "D"	2-5-51
437		Latrine, Location "E"	2-5-51
438		Power Post Stations for Stations 8 & 11, Location "E"	2-5-51
439		Power Post Station for Stations 8 & 11, Location "D"	2-5-51
440		170-Man Mess Hall #2, Bldg. 103-Location "E"	2-5-51
441		Shower & Latrines 4 & 5, Structural & Plumbing, Location "E"	2-5-51
442		Temporary Distillation Plant, Location "D"	2-6-51
443		Mounting Box for Public Address Power Pack	2-6-51
444		Carpenter Shop, Location "C"	2-6-51
445		New Power Post Stations for Stations 50c & d, Location "C"	2-6-51
446		Transformer & Post Station for Station 50d, Location "D"	2-6-51
447		Transformer & Post Station for Station 74a & h, Location "C"	2-6-51
448		New Sta. 5b & Power Posts for Sta 5b, 9e, & 15 (Location "D") & Power Post for Station 811 (Location "E")	2-8-51
449		Wood Bracing for Coax in 300 Ft. Tower, Location "E"	2-7-51
450		Material Storage Zones Chart, Location "B"	2-8-51
451		Diesel Engine Aux Piping, Station 100, Location "C"	2-8-51

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
452		Saw Mill Office, Location "E"	2-8-51
453		Electric Shop, Location "E"	2-8-51
454		A.E.C.Rigging Shop, Location "E"	2-8-51
455		Power Post Station for New Stations Near 6A, Location "D" & "E"	2-8-51
456		Power Post Station for Station 5, Location "C" & "D"	2-8-51
457		Power Post Station for & Relocation of Station 3 & 4, Location "E"	2-8-51
458		Relocation & Power Post Station 5, Location "E"	2-8-51
459		Typical Diesel Exhaust System for Locations "C", "D" & "E"	2-8-51
460		Expediting Office, Location "E"	2-9-51
461		Bracing for 200-ft Column to Tower, Location "V"	2-9-51
462		Post Office, PX, & Recreation Building, Bldg. 94, Location "E"	2-9-51
463		Power House (Electrical), Location "C"	2-10-51
464		Addition to Fresh Water Tanks, Location "A"	2-10-51
465		Temporary Reefer Shelter, Bldg. 125, Location "C"	2-10-51
466		Starting Air System, Diesel Power Plants	2-12-51
467		Cement Storage Warehouse, Location "D"	2-12-51
468		Foundation for Winch Base, Station 17, Location "E"	2-12-51
469		20-Ft. Water Tower, Bldg. 120, Post Office, PX, & Receiving Building, Bldg. 94, Location "E"	2-12-51
470		Ladder Crossover Access, 200-Ft. Tower, Location "V"	2-12-51
471		Foundation for Stabilizer Unit for Model DVC-60E Vapor, Compression Still, Bldg. 301, Location "B"	2-13-51
472		Additional Equipment and Lighting Receptacles, Laboratory, Bldg. 12, Japtan	2-14-51

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
473		Power & Water	2-14-51
474		Power Post Station for Stations 9+ 15+, & 19+, Location "E"	2-8-51
475		(See F.S.639)	2-8-51
475		Typical Maintenance Schedule for Plants	2-19-51
476		As Built for Corps of Engineers, Bldgs. 1 & 7 (3.1.1)	2-19-51
477		As Built for Corps of Engineers, Bldg. 3.1.3	2-19-51
478		Foundation for Generator No. 2, Power & Water Distillation Plant, Bldg. 108, Station 100, Location "D"	2-23-51
479		(See F.S.640)	2-17-51
479		Reefer Shelter, Bldg. 210, Location "B"	2-23-51
480		Radar Reflector Targets, Location "C"	2-24-51
481		Layout for Station 721 at End of Existing Jetty	2-27-51
482		Salt & Fresh Water Systems, Location "C"	2-28-51
483		Sewer System, Location "C"	2-28-51
484		Special Details, Bldgs. 329 & 330, Location "B"	3-1-51
485		Primary Isolating Fuses, Location "C" (PFL)	3-1-51
486		Primary Isolating Fuses, Location "D" (PFL)	3-1-51
487		Chain Hoist Frame	3-2-51
488		Office Dehumidification, Bldg. 329, Location "B"	3-2-51
489		Block Diagram, Cable Runs	3-3-51
490		Electrical Power Generating Plant Control Diagram, Typical Locations "C", "D", & "E"	3-5-51
491		Group Headquarters, Bldg. 15, Location "A", Floor Plans & Elevations (2 Sheets)	3-5-51
492		Scaffolding for Bldg. 5, Station 3.1.1, Location "E"	3-5-51

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
493		Temporary Latrine	3-8-51
494		Structural Steel Camera Support	3-8-51
495		Timbering for Sand Fill, Station 52, Location E & C	3-13-51
496		Exhaust Hood Details, PX, Bldg. 16, Location "A"	3-17-51
497		Isometric Piping Layout, P.O.L. Facilities, Location "B"	3-17-51
498		Additional Outlets, Bldg. 49, Location "L"	3-19-51
499		Special Details, Air Force Structures 3.3.8 a,b,c,d,e, & g	3-21-51
500		Locations of Stations 17 & 18, Location "D"	8-31-50
501		Rujoru, Plan	1-19-51
502		Topography, Rigili	1-23-51
503		Electrical Underground, Location "E"	4-17-51
504		Electrical Underground, Location "S"	---
505		Electrical Underground, Location "T"	---
506		Electrical Underground, Location "Q"	---
507		Electrical Underground, Location "C"	---
508		Telephone Buoy, Locations "B", "C", & "D" (3 Sheets)	---
509		Electrical Underground, Location "D"	---
510		Electrical Underground, Location "R"	---
511		Electrical Underground, Location "N"	---
512		Electrical Underground, Location "P"	---
600		Power Schematic Diagrams, Locations "C", "D", "F", & "S" (3 Sheets)	3-22-51
601		Roof Details, Air Force Structure 3.3.4	3-22-51
602		Power & Water, Schematic Flow Diagram	3-24- 1

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
603		Gasoline & Diesel Oil Meter & Motor Valve By-Pass Piping, P.O.L.	3-17-51
604		Valve Identification Tags, P.O.L.	3-23-51
605		Typical Control Piping, P.O.L.	3-24-51
606		Dehydrator Drain Tank, P.O.L.	3-28-51
607		Loading Rack Area, P.O.L.	3-27-51
608		Liquid Level Control System, P.O.L.	3-31-51
609		Guard Posts, P.O.L.	3-31-51
610		Dyke Crossing, P.O.L.	3-30-51
611		Drain Manifold, P.O.L.	3-26-51
612		Primary Isolating Fuses, Location "E"	3-27-51
613		For Van Sickle	3-30-51
614		Locations & Orientation of Photo Flares, Locations "E" & "S"	3-30-51
615		Electrical Plan, Group Headquarters, Bldg. 15, Location "A"	3-30-51
616		Submarine Telephone Cable	3-31-51
617		Personnel Landing & Cargo Pier, No. 126, Location "C"	4-4-51
618		Personnel Landing, Causeway, Location "D"	4-6-51
619		Marine Ramp Repairs, Precast Concrete Slabs, Location "B"	4-6-51
620		Concrete Reservoir, Fresh Water Station, Location "B"	4-6-51
621		Garbage Can Wash House No. 2, Bldg. 254, Location "B"	4-11-51
622		Timber Grease Rack, Location "A"	4-14-51
623		Distillation Unit Piping, Power & Water Distillation Plant, Bldg. 56, Location "A"	4-14-51

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
624		Diesel Engineering Auxiliary Piping Power & Water Distillation Plant, Bldg. 56, Location "A"	4-17-51
625		Diesel Engine, Electrical System, Line Diagram Locations "C", "D", & "E"	4-21-51
626		Roads & Buildings, General Layout, Location "B" (2 Sheets)	4-21-51
627		Cargo Pier, No. 140, Location "A"	4-20-51
628		Organization Chart, Warehouse Dept., Location "B"	4-23-51
629		Blast Distortion to Mess Hall, Bldg. 104, Location "D"	4-24-51
630		14'x14'x16'x32' Tent Slabs, Location "L" Housing Dry Storage	4-27-51
631		As Built Installation of Siding, Bldgs. 2,6,& 7, Multi Bldg. 3.1.1, Location "E"	4-27-51
632		Power Distribution, Single Line Diagram, Location "A"	4-28-51
633		Tower Cab Modifications, 200-Ft. Tower, Location "D"	4-30-51
634		Submarine Telephone Cables, Schematic Diagram	5-1-51
635		200-Ft Tower, Lateral Bracing & Work Platform	5-1-51
636		New Cab Zero, 200-Ft. Tower, Location "E" +	5-10-51
637		Coax Installation, Causeway, Locations "D" to "V"	5-10-51
638		Dehydration Discharge Piping	3-31-51
639		Circuits to Telephone Buoys	5-12-51
640		Recirculation System, Reefers, Location "B" (Was FS-470)	5-19-51
641		Fence for Warehouse Area, Location "B"	5-24-51
642		Elevator Control Cable Guide	5-26-51
643		Refrigeration Dehumidification Equipment Plot, Location "B"	6-1-51

FIELD SKETCHES (Continued)

FIELD SKETCH NO.	REVIS- ION NO.	DESCRIPTION	DATE
644		General Layout, Location "A"	6-5-51
645		Auxiliary Ventilation Duct, Station 100, Bldg. 100 E, Power House	6-7-51
646		Refrigeration & Dehumidification Equipment Plot, Location "A"	6-4-51
647		Schematic Overhead Telephone Distribution, Location "B"	6-7-51
648		Organization Chart	6-7-51
649		A-Frame For Power Plant, Location "B"	6-25-51
650 (Was FS #2)		Temporary Construction Warehouse, Locations "C" & "D"	2-17-50

APPENDIX C
Locations of Scientific Stations,
Military Structures, and
Buildings

LOCATIONS OF SCIENTIFIC STATIONS,
MILITARY STRUCTURES,
AND BUILDINGS

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SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI - ("E"&"E+" ZERO)*</u>				
1	NRL	Rack in Tower Cab	0	0
1+	"	"	0	0
2	"	Wood Bldg with Power Outlet	569.29	316-40-27
2+	"	"	400	4 - 48 - 19
3	"	Power Outlet on Post	2999.99	310-50-41
3+	"	"	1230	0-30-14
4	"	"	2130	313-23-04
4+	"	"	2130	0-30-14
5+	"	"	3000	359-31-20
6a	"	Existing Timing Station 3975 (Used also for E+)		313-39-12
6b	"	Additional Timing Station	Refer to 6a	
6c	"	Tent	4075	313-52-42
8	"	Tenex Collimator, Limonite	600	322-45-48
8+	"	"	600	356-10-39
9	"	"	3000	315-28-05
9+	"	"	3000	359-14-10
10	J-3	Limonite Collimating Block Plus Base	1200	312-13-15
10+	"	"	1200	359-31-21
11	"	"	600	310-47-14
11+	"	"	600	359-02-42
12	"	"	1800	312-41-54
12+	"	"	1800	359-40-54
13	"	Existing Gamma A Bldg	Existing	

* Stations marked + refer to "E+" zero.

SCIENTIFIC STATIONS AND MILITARY STRUCTURES (Con't.)

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E"&"E" ZERO)*-CONTINUED</u>				
14	J-3	Limonite Collimating block plus Base	2400	312-56-14
14+	"	"	2425	359-45-50
15	"	"	3000	313-04-49
15+	"	"	3000	359-48-32
16a	"	Samples on Cable to Sta. 17	300	270-44-08
16b	"	"	600	293-10-50
16c	"	"	900	300-10-09
16d	"	"	1200	303-24-54
16e	"	"	1500	305-36-39
16f	"	"	1800	306-57-29
16g	"	"	2100	307-56-05
16h	"	"	2400	308-38-13
16i	"	"	2700	309-11-44
16j	"	"	3000	309-38-31
16k	"	"	3300	310-00-26
16l	"	"	3600	310-18-41
16m	"	"	3894.35	310-58-49
16n	"	"	4194.77	310-47-34
16o	"	"	4495.10	310-58-49
16a+	"	"	300±	
16b+	"	"	375±	
16c+	"	"	450±	
16d+	"	"	525±	
16e+	"	"	600±	
16f+	"	"	750±	
16g+	"	"	900±	
16h+	"	"	1050±	
16i+	"	"	1200±	
16j+	"	"	1350±	
16k+	"	"	1500±	
16l+	"	"	1800±	
16m+	"	"	2100±	
16n+	"	"	2400±	
16o+	"	"	2700±	
16p+	"	"	3000±	
16q+	"	"	3300	

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI - ("E"&"E"+ ZERO) - CONTINUED</u>				
16r+	J-3	Samples on Cable to Sta 17	3600±	
16s+	"	"	3900±	
16t+	"	"	4200±	
16u+	"	"	4500±	
17	J-3	Wirch Base	4555.19	311-00-46
17+	"	"	4604.78	357-23-30
18	"	(Salt water Pump Sta.) (Used for E+ also)	Refer to sta. 17	
19+	"	Limonite Collima- ting Block Plus Base	3600	359-50-27
20a	NOBL	Blast Wall on Long Blast Line	1380	314-58-42
20b	"	"	1680	"
20c	"	"	2100	"
20d	"	"	2700	"
20e	"	"	3900	"
20f	"	"	4650	"
21a	"	Blast Wall on Short Blast Line	2700	257-59-27
21b	"	"	3000	"
21c	"	"	3700	"
22a	"	Tent	Refer to Sta 69	
22b	"	"	" " " "	
23a	"	Existing Blast Bldg.	4769.68	314-42-50
23b	"	Blast Building Annex	Refer to Sta 23a	
24a	"	Tent	Refer to Sta 25	
24b	"	"	Refer to Sta 25	
25	"	Blast Bldg. on Short Blast Line	3690	255-90-00
26a	"	Concrete Balloon Anchorage	700	330-00-00
26b	"	"	400	90-00-00

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI - ("E"&"E+"ZERO) CONTINUED</u>				
27a	NOBL	Concrete Gage Mounts, Ball Crusher Gage	12	191-38-16
27b	"	"	69	90-00-00
27c	"	"	171	73-39-12
27d	"	"	240	" " "
28a	"	Velocity Gage Pipe	300	314-58-42
28b	"	"	540	316-02-22
28c	"	"	780	314-58-42
28d	"	"	1080	" " "
28e	"	"	1860	" " "
28f	"	"	2400	" " "
28g	"	"	3000	" " "
28h	"	"	3300	" " "
28i	"	"	3600	" " "
28j	"	"	4380	314-58-42
29a	"	Velocity Gage Pipe on Short Blast Line	300	257-59-27
29b	"	"	540	" " "
29c	"	"	780	" " "
29d	"	"	1080	" " "
29e	"	"	1380	" " "
29f	"	"	1680	" " "
29g	"	"	1860	" " "
29h	"	"	2100	" " "
29i	"	"	2400	" " "
29j	"	"	3300	" " "
29k	"	"	3600	" " "
30a	"	Wood Bldg. for Rocket Storage	3600	252-25-15
30b	"	Wood Bldg. for Rocket Charge Storage.	3600	251-37-14
30c	"	Wood Bldg. for Detonator Storage	3600	250-49-08
32a	"	Rocket Launcher	3096.08	252-00-07
32b	"	"	3005.06	257-04-10
32c	"	"	2942.52	263-48-17
32d	"	"	2936.47	270-09-51

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E"&"E+" ZERO) CONTINUED</u>				
32e	NOBL	Rocket Launcher	3695.88	280-28-21
32f	"	"	3806.76	285-43-33
32g	"	"	3840.06	290-36-39
32h	"	"	4107.22	294-56-18
32i	"	"	4050.69	300-06-19
32j	"	"	4216.41	304-23-38
32k	"	"	4385.14	308-26-57
32l	"	"	4600.15	311-53-38
33a	"	Steel Stake Gage Mounts, 3 per Sta.	15	202-17-15
33b	"	"	69	93-09-45
33c	"	"	171	76-00-00
33d	"	"	240	"
33e	"	"	279	"
33f	"	"	309	"
33g	"	"	339	"
33h	"	"	369	"
33i	"	"	429	"
34a	"	Steel Stake Gage Mounts, Along Guy Wire Radius	309	13-39-12
34b	"	"	339	13-39-12
34c	"	"	369	13-39-12
34d	"	"	429	13-39-12
35	"	Charge on Zero Tower	00	00
36a	"	Ground Shock Sta	1080	10'from 28d
36b	"	"	2100	10'from 20c
36c	"	"	3000	10'from 28g
36d	"	"	3900	10'from 20e
36e	"	"	4501.47	313-49-18
36f	"	"	2955	291-00-00
37a	"	Pylon	2100	256-37-35
37b	"	"	2850	256-59-08
37c	"	"	4290	314-18-38
37d	"	Battery Box for E 37a	2100	257-18-31
37e	"	Battery Box for E 37b	2850	257-29-18

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI- ("E" & "E" + ZERO) CONTINUED</u>				
37f	NOBL	Battery Box for E 37c	4290	314-38-41
38	"	Tent	400	36-00-00
39a	"	Concrete Balloon Bed	550	330-00-00
39b	"	"	427.20	110-33-22
40	J7	Tank & Rack in Asphalt Area	2850	298-31-41
50a	NBS	2 pi Intensity Block	517	285-59-38
50b	"	"	2229.25	311-04-53
50c	"	"	3888.00	312-51-20
50d	"	"	1128.33	309-23-00
51a	"	4 pi Intensity Block	517	282-40-02
51b	"	"	2229.25	310-18-37
51c	"	"	3888	312-24-48
51d	"	"	1128.33	307-51-35
52	"	Spatial Block with 40 tubes	528.57	307-58-19
53	"	" 20 tubes	2162.06	307-25-12
54	"	Spectrometer Shelter	529	298-17-39
55	"	Recorder Building	3600	312-28-00
57	"	Spectrometer Shelter	2162.10	305-41-46
68	EGG	Rack in Zero Tower Cab	00	00
69	"	Signal Com. Station	4755.47	315-16-16
70a	LD-50 (radn)	Mouse Exposure Cylinder (horizontal)	3225	316-00-00
70b	"	"	3600	316-00-00
70c	"	"	3780	"
70d	"	"	3900	"
70e	"	"	3945	"
70f	"	"	3984	"
70g	"	"	4008	316-12-52
70h	"	"	4032	316-00-00
70i	"	"	4056	316-12-52
70j	"	"	4080	316-00-00

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E"&"E" Zero) CONTINUED</u>				
70K	LD-50	Mouse Exposure Cyl- (Radn) inder(Horizontal)	4104	316-12-52
70L	"	"	4128	316-00-00
70m	"	"	4152	316-12-52
70n	"	"	4176	316-00-00
70o	"	"	4200	316-12-52
70p	"	"	4224	316-00-00
70q	"	"	4248	316-12-52
70r	"	"	4272	316-00-00
70s	"	"	4296	316-12-52
70t	"	"	4320	316-00-00
70u	"	"	4380	"
70v	"	"	4470	"
70w	"	"	4560	"
71a	"	"	4665	316-00-00
71b	"	"	4770	"
71c	"	"	4875	"
71d	"	"	4940	"
72a	LD-50	Pig & Dog Cyl- (Radn) indera	4200	316-55-50
72b	"	"	4332	"
72c	"	"	4464	316-59-40
72d	"	"	4596	"
72e	"	"	4728	"
72f	"	"	4860	"
72g	"	"	4955	316-52-44
72h	"	"	4062	316-55-50
72i	"	"	5231.35	314-17-04
73a	Mouse Neutron Hemispheres Dosimetry		2025	318-29-50
73b	"	"	2025	"
73c	"	"	2100	318-29-50
73d	"	"	2100	"
73e	"	"	2325	"
73f	"	"	2325	316-16-58
73g	"	"	2625	316-12-44
73h	"	"	3000	315-57-11

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E"&"E+" ZERO) CONTINUED</u>				
74a	Mouse	Check Hemispheres	3780	15' from 70c
		Dosimetry		
74b	"	"	3900	15' from 70d
74c	"	"	4080	15' from 70j
74d	"	"	4272	15' from 70r
74e	"	"	4380	15' from 80c
74f	"	"	4560	15' from 70w
74g	"	"	4770	15' from 71b
74h	"	"	4940	316-22-40
75	Thermal	Thermal Exp Bldg.	3975	311-46-45
	Byrn			
80b	Radn	Phantom Sphere Sta.	3780	316-22-50
80c	"	"	4380	315-50-20
80d	"	"	4925	315-41-50
81	Dosimetry	Phantom Pig Con-	2700	316-31-10
		tainer		
83a	Serial	Pig & Dog Cylinders	4296	308-18-30
		Sacrifice		
83b	"	"	4320	306-44-20
84a	Misc.Dose	Heavy Dose	900	318-26-21
	(Corn)	Exposure Chambers		
84b	"	"	1200	318-19-21
84c	"	"	1500	317-39-11
84d	"	"	1950	317-02-08
84e	"	"	2175	316-49-21
84f	"	"	2400	316-38-59
85a	"	"	2025	10' from 73b
85b	"	"	2325	20' from 73f
85c	"	"	2625	20' from 73g
85d	"	"	2925	316-08-56
85e	"	"	3300	316-10-25
85f	"	"	3900	10' from 74b
86a+	"	"	1200.02	356-57-33
86b+	"	"	1800.02	356-57-28
86c+	"	"	1800	347-23-50
86d+	"	"	2400.01	356-57-26
86e+	"	"	2400	349-47-26

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E" & "E" + ZERO) CONTINUED</u>				
86f+	Misc.Dose (corn)	Heavy Dose Expos- ure Chambers	4019.27	356-57-24
86g+	"	"	3750.01	356-57-23
86h+	"	"	4500.01	356-57-22
90a	AMC	Interferometer (Buck)Gage	2850	255-58-48
90b	"	"	2850	257-59-27
90c	"	"	4290	313-38-38
90d	"	"	4290	314-58-42
90e	"	"	2850	303-00-00
90f	"	"	2850	304-00-00
90g	"	"	3495	275-00-00
90h	"	"	3495	276-00-00
90i	"	"	3969	293-00-00
90j	"	"	3945.27	297-29-02
100	All	Power Station	3668.52	285-45-43
120a	Rad.Chem.	Ground Bottles	175	86-00-00
120b	"	"	175	106-00-00
120c	"	"	175	126-00-00
120d	"	"	175	146-00-00
120e	"	"	175	166-00-00
121a	"	Air Bottles	175	96-00-00
121b	"	"	175	116-00-00
121c	"	"	175	136-00-00
121d	"	"	175	156-00-00
121e	"	"	175	176-00-00
123	"	Battery Hut	200	131-00-00
131a	UCRL	Detector Sta.& Connection Pit	50	313-39-12
132a	"	Recording Station	2397.31	297-27-24
132b	NRLK	(Used for E+ also	2397.31 2761.64	296-01-22 15-58-26
132c	"	Rec.Sta.Power Supply for E also	Refer to	132b
132d	"	T.L. Termination for E+ also		"

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E" & "E" + ZERO) CONTINUED</u>				
132e	NRLK	T.L. Work & Storage for E+	Refer to 132a	
132f	"	Rec. Work & Stor. for E+ also	"	
132g	UCRL NRLK	Photo Trailer Used for E+ also	"	
132h	"		Refer to 132b	
132b+			2761.64	15-58-26
132c+			Near 132b+	
132d+			"	"
132e+			"	"
132f+			"	"
132g+			"	"
133	UCRL	Tent with Slab	Refer to 132a	
134			Refer to Station Zero	
135	UCRL	Wood Building	Refer to Sta. 131a	
140	NRLK	In Tower Cab	00	00
140+	NRLK	In Tower Cab	00	00
141a	"	Pump House	Refer to Zero	
141b	"	Power Supply and Test Bldg.	"	" "
141a+	"	Pump House	Refer to Zero	
141b+	"	Power Supply & Test Bldg.	"	" "
142c	"	Machine Shop Trailer	"	" "
142c+	"	"	"	" "
143	"	T.L. Pit	"	" "
143+	"	"	"	" "
144a	"	Ganex Limonite Blockhouse	471.90	343-39-12
144b	"	Ganex Auxiliary Wood Hut	Refer to 144a	
144a+	"	Ganex Limonite Blockhouse	436.55	30-31-48

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E" & "E" + ZERO) CONTINUED</u>				
144b+	NRLK	Ganex Auxiliary Wood Hut	Refer to 144a	
145	"	Collimating Tower for Ganex	430.89	343-39-12
145+	"	"	Refer to 144a	
146	"	Collimating Tower for Ganex	455.37	343-39-12
146+	"	"	Refer to 144a	
160	EGG	Telephone Pole with Reflector	682.11	248-08-24
161	"	"	1908.87	250-56-39
162	"	"	2856.07	241-15-42
163	"	"	664.03	25-00-34
164	"	"	1579.14	323-57-06
165	"	"	2761.40	318-55-40
166	"	"	4671.34	317-34-32
185+			282.84	5-40-09
186+			282.84	275-40-09
301a	Struct.	Concrete Instrument Vault	2520	284-00-00
301b	"	"	3630	270-45-00
301c	"	"	3520.96	303-15-45
301e	"	"	2820	263-00-00
301i	"	"	3720	281-00-00
301j	"	"	Refer to 3.1.1	
301k	"	"	1761	293-00-00
302a	"	Camera Mount Type A	2810.00± Refer to 3.1.1	
302b	"	"	2800.00± " " "	
302c	"	"	"	3.3.5a
302d	"	"	"	"
303a	Struct.	Warehouse & Office	Refer to 3.3.5a	
3.1.1	"	OCE Multi Story	2970	291-00-00
3.1.3	"	Concrete Shelter	1710	294-00-00
3.21a	"	Bombproof Roof "A"	250	297-23-35
3.21b	"	" "B"	250	329-54-49

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E"&"E"+ ZERO) CONTINUED</u>				
3.2.2a	Struct.	Panel Veneer "F"	3630	268-00-00
3.2.2b	"	" " " "G"	3630	273-24-00
3.2.3a	"	Matchbox "C"	2400	287-00-00
3.2.3b	"	" " "C"	2640	281-00-00
3.24a	"	Precast Magazine "D"	2760	263-00-00
324b	"	" " "	3510	301-43-27
3.2.5	"	Concrete Arch "I"	3510	270-42-00
3.2.6	"	Concrete Dome "E"	3240	303-15-00
3.2.7a	"	Conventional "H"	3540	306-00-00
3.3.5a	"	Load Bearing Wall "F2"	4200	309-58-03
3.3.8a	"	Model Closed	3620	283-00-00
3.3.8b	"	Model Front Open	"	282-00-00
3.3.8c	"	Model F&Bl $\frac{1}{2}$ ' Open	"	281-00-00
3.3.8d	"	" " 3' "	"	280-00-00
3.3.8e	"	" " 4 $\frac{1}{2}$ ' "	"	279-00-00
3.3.8f	"	" Small	"	278-00-00
421	Meteor	Steel Vault	1500	300-00-00
423	"	" "	2100	301-00-00
424	"	" "	2400	281-00-00
425	"	" "	2700	300-00-00
426	"	" "	3600	270-00-00
427	"	" "	3600)	308-57-18
428	"	" "	3600)	
429	"	" "	4666.52	313-09-17
511	NRDL	Hemisphere	3075	315-57-11

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-(E*E+ ZERO) CONTINUED</u>				
512	NRDL	Hemisphere	3780	10'from 74a
513	"	"	4080	10'from 74c
514	"	"	4380	10'from 74e
591a	NBS	Wood Building	Refer to Station 54	
591b	"	"	" " "	57
592a	"	Tent	Refer to Station 52	
592b	"	"	" " "	54
592c	"	"	" " "	53
592d	"	"	" " "	57
593a	"	Wood Battery Con- sole	" " "	52
593b	"	"	" " "	52
593c	"	"	" " "	53
771	USC & GS AFOAT	Seismograph in Underground Con- crete Bldg.	3900	308-17-23
811	AACS	CPN-6(Radio Beacon)	490.50	17-53-47
815+			400.00	330-00-00
821	AMC	Wing Models (Conc.Base)	4020	295-32-14
825	"	Instrument Bldg. for 2-24 Channel Recorder	Refer to 821	
5142	NRDL	Hemisphere	4380	Refer to 74e
5151	ESL	"	4665	10'from 71a
5152	NRDL	"	4665	20'from 71a
5161	ESL	"	4940	10'from 71d
5162	NRDL	"	4940	20'from 71d
5163	"	"	4940	30'from 71d
6101	ACC	3'x3'x3' hole	900	295-00-00
6102	"	"	1710	295-00-00

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E"&"E"+ ZERO) CONTINUED</u>				
6103	ACC	3'x3'x3' hole	2400	300-00-00
6104	"	"	3450	316-00-00
6311	BRL/APG	45 Ton Army Tank	1500	276-00-00
6312	"	"	1500	280-00-00
6321	"	"	2250	260-31-00
6322	"	"	2250	262-49-00
6323	"	"	2250	265-07-00
6331	"	"	3000	275-00-00
6332	"	"	3000	273-00-00
6341	"	"	3700	262-00-00
6342	"	"	3700	259-42-29
6351	"	"	4200	303-21-52
Plate #3 E+ Detector			1198.65	1-01-24
Plate #4 E+ Detector			2097.70	1-06-36
Plate #5 E+ Detector			2097.90	1-16-28
Detector Plate #6+ Plate A E+ Detector			4296.24	359-59-15
Plate B E+ Detector			2097.36	1-26-14
Plate B E+ Detector			2097.15	1-36-08

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E" & "E" + ZERO) CONTINUED</u>				
Pole #1+		To E+ Zero	800	50-00-00
3.1.1				
Pole #2+			275	60-00-00
Radio	NOBL		1596.91	321-44-03
Antenna				
Photo Cell			2100.50	312-56-05
Photo			2100.41	312-46-15
Multiplier				
E3 SY			2100.66	313-05-50
E4 SY			2100.84	313-15-42
E3 P)			3950.15	313-24-52
E4 P)			3950.15	313-30-05
E5 P)			3950.17	313-35-19
E5 S)			3950.20	313-40-34
E6 S)	and E+		3950.25	313-45-48
E7 S)			3950.29	313-51-00
E8 S)			3950.34	313-56-14
E9 S)			3950.41	314-01-26
Stake #1	NBS		3099.86	313-39-12
Stake #2	"		3299.86	" " "
Stake #3	"		3499.86	" " "
Stake #4	"		3699.86	" " "
Stake #5	"		3899.86	" " "
Stake #6	"		4099.86	313-47-35

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGBI-("E" & "E" + ZERO) CONTINUED</u>				
Stake #7	NBS		4299.87	313-39-12
Stake #8	"		4499.96	313-16-17
Stake #9	"		4699.90	313-24-34
Stake #1+	"		2648.54	351-56-43
Stake #2+	"		3061.02	353-36-11
Stake #3+	"		3708.65	354-23-16
Stake #4+	"		4153.75	354-15-13
Stake #5+	"		5288.69	350-40-39
Stake a+	"		2647.49	352-03-04
Stake b+	"		2649.60	351-50-22
Stake c+	"		2785.26	352-36-10
Stake d+	"		2922.79	353-09-02
Stake e+	"		3061.94	353-30-00
Stake f+	"		3059.59	353-57-28
Stake g+	"		3276.63	353-56-34
Stake h+	"		3492.52	354-11-58
Stake i+	"		3708.97	354-18-39
Stake j+	"		3708.33	354-27-54
Stake k+	"		3857.07	354-22-36
Stake l+	"		4005.43	354-19-51
Stake m+	"		4153.86	354-19-21

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E"&"E"+ ZERO) CONTINUED</u>			
Stake#n+ NBS		4153.66	354-11-05
Stake#o+ "		4528.03	352-54-07
Stake#l+ "		3883.02	316-03-33
Stake#m+ "		3883	316-06-13
Stake#n+ "		4182.51	307-34-07
Stake#p+ "		4838.50	316-30-00
Stake#q+ "		5224.76	313-49-33
Stake#r+ "		3883	316-00-54
Stake#s+ "		4182.77	307-31-40
Stake#t+ "		4838.49	316-27-52
Stake#u+ "		5224.77	313-47-35
Detector " Plate#7+		4295.77	359-55-58
Detector " Plate#8		4295.28	359-51-13
T.U.3.1.1." Pipe +		175.00	315-00-00
Plate#2 " E+ Detector		448.36	00-45-23
Instrument " REF.PT.+		To WeaponPT. 420.37	To Weapon Point 29-14- 09
Weapon Point +		-	-

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>ENGEBI-("E"&"E"+ ZERO) CONTINUED</u>				
E 1 C			554.27	313-02-32
E 2 C			551.24	314-18-51
E 1 S			585.75	314-45-11
E 2 S			587.52	315-00-15
E 2 S 2			586.18	314-53-14
 <u>RUNIT ("C" ZERO)</u>				
1	NRL	(Rack) in Tower Cab		
2	"	Wood Bldg.	569.29	324-32-17
3	"	with Power Outlet Power Outlet on a post.	1230	321-58-59
4	"	"	2130	321-47-10
5	"	"	3000	320-50-56
6a	"	Existing Timing Station	3975	321-31-02
6b	"	Additional Timing Near Station		Sta. 6a
6c	NRL	Tent	4075	321-44-32
10	J-3	Limnite Colli- mating Block plus Base	1200.0	321-02-23
11	J-3	Limnite Collima- ting Block plus Base	600.	320-33-44
12	J-3	Limnite Collima- ting Block plus Base	1800	321-11-56
13	J-3	Existing Gamma Station		
14	J-3	Limnite Collimating Block Plus Base.	2400	321-16-43

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>RUNIT ("C" ZERO) CONTINUED</u>				
15	J-3	Limonite Colli- mating Block plus base.	3000	321-19-34
16a	J-3	Samples on Cable to Sta #17	300	312-53-25
16b	"	"	600	317-12-57
16c	"	"	900	318-39-04
16d	"	"	1200	319-22-05
16e	"	"	1500	319-47-53
16f	J-3	Samples on Cable to Sta #17	1800	320-05-05
16g	"	"	2100	320-17-22
16h	"	"	2400	320-26-34
16i	"	"	2700	320-33-44
16j	"	"	3000	320-39-27
16k	"	"	3300	320-44-09
16l	"	"	3600	320-48-04
16m	"	"	3900	320-51-22
16n	"	"	4200	320-54-12
16p	"	"	4500	320-58-37
16q	"	"	4800	321-02-30
16r	"	"	5100	321-05-55
16s	"	"	5400	321-08-57
17	"	Winch Base	5474.49	321-12-12
18	"	Salt Water Pump House	near	Sta. 17

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>RUNIT ("C" ZERO) CONTINUED</u>				
19	J-3	Limonite Colli- mating Block Plus Base	3600	321-21-29
20a	NOBL	Blast Wall	1950	323-30-55
20b	"	"	2250	323-30-55
20c	"	"	2850	323-30-55
20d	"	"	3750	323-30-55
20e	"	"	4350	323-30-55
20f	"	"	6000	325-41-36
22a	"	Tent Adjacent to Sta 23a no slab	5375	322-41-57
22b	"	"	5400	322-57-52
23a	"	Existing Blast Bldg.	5339.95	323-06-38
26c	"	Concrete Balloon Anchorage	600	351-11-22
27a	"	Concrete Gage Mounts 12. Ball Crusher Gages		83-50-00
27b	"	"	69	83-50-00
27c	"	"	171	83-50-00
27d	"	"	240	83-50-00
28a	"	Velocity Gage Pipe	1650	323-30-55
28b	"	"	2550	323-30-55
28c	"	"	3150	323-22-11
28d	"	"	3450	323-30-55
28e	"	"	4050	323-30-55
28f	"	"	4650	323-30-55
28g	"	"	4950	323-21-54
28h	"	"	5250	323-30-55
28i	"	"	6750	325-30-38
28j	"	"	2500	324-06-49
30a	"	Wood Bldg. for Rocket Storage	8137.07	325-20-53
30b	"	Wood Bldg. for Rocket Charge Storage	1085	328-00-00
30c	"	Wood Bldg. for Detorator Storage	1175	328-00-00

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>RUNIT ("C" ZERO) CONTINUED</u>				
32a	NOBL	Rocket Launcher	7655.49	321-18-13
32c	"	"	8209.79	325-34-51
32d	"	"	5378.90	319-18-46
32e	"	Steel Stake Gage Mounts 3 per Sta.	15	81-31-02
33b	"	"	69	81-31-02
33c	"	"	171	81-31-02
33d	"	"	240	81-31-02
33e	"	"	279	81-31-02
33f	"	"	309	81-31-02
33g	"	"	339	81-31-02
33h	"	"	369	81-31-02
33i	"	"	400	81-31-02
34a	"	Steel Stake Gage Mounts on line with Guy Wires 3 per Station	280	261-31-02
34b	"	"	309	261-31-02
34c	"	"	339	261-31-02
34d	"	"	369	261-31-02
35	"	Charge on Zero Tower	At Zero	
38	"	Tent No Slab	350	96-20-00
39c	"	Balloon Bed	427.20	110-33-22
42	J-7	Tank&Rack in As- phalt Area	7500	324-13-41
50a	NBS	2 pi Intensity Block	517	298-00-00
50b	"	"	2229.	316-15-28
50c	"	"	3888	321-37-55
50d	"	"	1128	307-57-00
51a	"	4 Pi Intensity Block	517	302-30-00
51b	"	"	2229	317-12-58
51c	"	"	3888	322-13-11

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>RUNIT ("C" ZERO) CONTINUED</u>				
51d	NBS	4 Pi Intensity Block	1128	309-57-00
52	"	Spatial Block with 40 Tubes	528.57	310-15-00
53	"	Spatial Block with 20 Tubes	2162.06	319-17-14
54	"	Spectrometer Shelter	529	290-00-00
55	"	Recording Bldg.	4800	320-26-34
57	"	Spectrometer Shelter	2162.10	314-23-53
68	EGG	Zero Tower Cab Rack	0	
69	"	Sig. Com. Sta.	5400	324-42-32
73a	Mouse Dosimetry	Neutron Hemis- pheres expos- ed above ground	2700	318-39-04
73b	"	"	2700	318-39-04
73c	"	"	3000	319-02-00
73d	"	"	3000	319-02-00
73e	"	"	3300	319-26-00
73f	"	"	3300	319-26-00
73g	"	"	3600	320-09-52
73h	"	"	3900	320-29-20
74a	"	Check Hemispheres Exposed	4650	322-08-12
74b	"	"	4725	322-08-12

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>RUNIT ("C" ZERO) CONTINUED</u>				
74c	Mouse Dosimetry	Check Hemispheres Exposed	4905	322-08-12
74d	"	"	5010	322-08-12
74e	"	"	5160	322-08-12
74f	"	"	5325	322-08-12
74g	"	"	5550	322-08-12
74h	"	"	6300	326-08-09
79(To "C" Zero)		Not Used	8000	325-20-53
79(To "V" Zero)		Not Used	37469.03	330-01-52
95a			2250	322-14-31
95b			2550	322-39-41
95c			2850	322-30-37
95d			3450	322-23-09
95e			3750	322-17-35
95f			4350	322-27-41
95g			5400	320-25-27
95h			5400	320-44-33
100	All	Power Station	7625.82	324-41-26
175	EGG	Telephone Pole	680.76	106-19-11
176	"	"	345.86	71-40-49
177	"	"	356.19	250-56-40
178	"	"	902.43	295-36-01
179	"	"	7608.79	320-31-50

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>RUNIT ("C" ZERO) CONTINUED</u>				
180	Egg	Telephone Pole	7554.72	323-29-06
183			5384.13	321-31-02
184			5499.31	320-09-41
591a	NBS	Wood Bldg.	Near Sta 54	
591b	"	"	Near Sta 57	
592a	NBS	Tent	Near Sta 52	
592b	"		Near Sta 54	
592c	"	Tent over Battery Console	Near Sta 53	
592d	"	Tent	Near Sta 57	
593a	"	Wood Battery Console	Near Sta 52	
593b	"	"	Near Sta 52	
593c	"	"	Near Sta 53	
773	USC&G.S AFOAT	Seismograph in underground concrete Bldg.	5475	323-58-14
813	AACS	CPN-6 Radio Beacon	284.59	29-04-57
4224	Meteor	Steel Vault etc.	2400	317-12-58
4224a	"	"	3000	318-39-04
4224b	"	"	3000	318-16-08
4224c	"	"	3000	317-53-12
4225	"	"	4500	322-09-14
4226	"	"	4500	322-19-56
4226a	"	"	4500	322-30-38
4226b	"	"	4500	322-41-20

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>RUNIT ("C" ZERO) CONTINUED</u>				
C2CX			1201.33	322-39-50
C2SY			1202.69	322-55-52
C3C-X			2097.25	321-33-47
C3P			3918.75	321-15-24
C3S-Z			2100.92	320-58-18
C4CX			3004.46	321-35-31
C4S-Z			2100.93	321-08-06
C4P			3919.33	321-10-10
C5P			3919.89	321-04-54
C5S-Z			2101.01	321-17-57
C6S-X			3920.58	320-59-38
C7S-X			3921.08	320-54-26
C8S-X			3921.68	320-49-13
C5C-X			3918.31	321-24-47
Stake#1	NBS		Near Sta 51c	
" #2	"		Near Sta 4226	
" #3	"		Near Sta 74d	
" #4	"		Near Sta 74d	
" #5	"		Near Sta 69	
" #6	"		Near Sta 20f	
" #7	"		Near Sta 28i	
" #8	"		Near Sta 100	
Antenna #1	NOBL		110' ± left of sta 30c	
Antenna #2	NOBL		139.5 ± from Sta 28a 289.5 ± from Sta 20a	
Antenna #3	NOBL		80' ± left 88' ± rear of Sta 28b	

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>RUNIT ("C" ZERO) CONTINUED</u>				
	J-3	Ex Gamma "B"		
	J-3	Ex Gamma "C"		
		Nylon Cable Anchor	500	231-31-02
		Pyramidal Reflector	4842.89	322-10-24
<u>AOMON-BIJIRI-ROJOA ("V" ZERO)</u>				
1	NRL	(Rack) in Tower Cab	Zero	
2	"	Wood Bldg. with Power Outlet	400	287-23-00
3	"	Power Outlet on Post	605.60	301-49-14
4	"	Power Outlet on Post	2130	301-37-02
5	"	"	3975	301-44-31
5b	"		2981.70	301-58-52
6a	"	Existing Timing Sta.		
6b	"	Additional Timing Sta.		Near Sta 6a
6c	"	Tent	6175	302-02-05
8	"	Tenex Collimator Limonite	600	304-45-28
9	"	"	3000	303-30-38
10	J-3	Limonite Collimating Block Plus Base	1200	302-20-08
11	"	"	600	302-50-28
12	"	"	1920	302-11-04
14	"	"	2400	302-07-29

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>AOMON-BIJIRI-ROJOA (*V* ZERO) CONTINUED</u>				
15	J-3	Limonite Collima- ting Block Plus Base	3000	302-04-38
16a	"	Samples on Cable to Sta 17	300	277-58-31
16b	"	"	600	283-11-42
16c	"	"	900	289-33-00
16d	"	"	1200	292-39-56
16e	"	"	1500	294-31-17
16f	"	"	1800	295-45-14
16g	"	"	2100	296-37-58
16h	"	"	2400	297-17-27
16i	"	"	2700	297-48-08
16j	"	"	3000	298-12-41
16k	"	"	3300	298-32-45
16l	"	"	3600	298-43-28
16m	"	"	3900	299-03-36
16n	"	"	4200	299-15-44
16p	"	"	4500	299-26-14
16q	"	"	4800	299-35-25
16r	"	"	6100	299-43-32
16s	"	"	5400	299-50-44
16t	"	"	5700	299-57-11
16u	"	"	6000	300-02-59

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>AOMON-BIJIRI-ROJOA ("V" ZERO) CONTINUED</u>				
16v	J-3	Samples on Cables to Sta 17	6300	300-08-14
17	"	Winch Base	6413.65	300-07-41
18	"	Salt Water Pumphouse	Near Sta. 17	
19	"	Limonite Collimating Block Plus Base		
22	NOBL	Tent No Slab	6520	301-35-10
23a	"	Blast Bldg. Existing	6490	301-53-10
28a	"	Velocity Gage Pipe	1860	303-44-05
28b	"	"	2100	303-31-24
28c	"	"	2400	303-19-08
28d	"	"	2700	303-09-34
28e	"	"	3000	303-01-56
28f	"	"	3300	302-55-40
28g	"	"	3600	302-50-28
28h	"	"	3900	302-46-04
28i	"	"	4200	302-14-17
28j	"	"	4950	301-11-30
28k	"	"	5250	302-33-00
28l	"	"	5550	301-16-00
28m	"	"	5850	301-17-54
28n	"	"	6450	301-21-10
28o	"	"	7800	301-26-43

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>AOMON-BIJIRI-ROJOA ("V" ZERO) CONTINUED</u>				
28p	NOBL	Velocity Gage Pipe	5100	301-27-42
30a	"	Wood Bldg. for Rocket Storage	5990	296-23-00
30b	"	Wood Bldg. for Rocket Charge Storage	5990	298-17-00
30c	"	Wood Bldg. for Detona- tor Storage	5990	297-20-00
32a	"	Rocket Launcher	5896.80	290-57-18
32b	"	"	5990.75	293-11-19
32c	"	"	6093.55	295-20-59
32d	"	"	6204.67	297-26-12
32e	"	"		
32e,	"	"	6425.41	300-28-21
32f	"	"	6493.09	301-09-06
32f,	"	"	6540.70	302-26-49
32g	"	"	6583.99	303-14-21
32g,	"	"	6645.83	304-03-31
32h	"	"	6724.28	305-01-16
35	"	Charge on Pole 30' High	2000	304-00-00
36a	"	Ground Shock Station	1860	298-56-48
36b	"	"	2100	304-20-33
36c	"	"	3279.18	301-26-33
36d	"	"	3900	302-27-33
36e	"	"	6475	301-53-10

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>AOMON-BIJIRI-ROJOA ("V" ZERO) CONTINUED</u>				
50a	NBS	2 pi Intensity Block	564	295-00-00
50b	"	"	2340	296-29-29
50c	"	"	3900	300-02-58
50d	"	"	1185	289-30-31
51a	"	4 pi Intensity Block	564	291-00-00
51b	"	"	2340	295-15-37
51c	"	"	3900	299-27-42
51d	"	"	1185	288-03-38
56	"	Recording Bldg.	5700	302-29-21
68	EGG	Zero Tower Cab, Rack	At Zero	
69	"	Sig. Com. Sta.	8104.34	302-25-15
70a	LD-50 (Radn)	Mouse Exposure Cylin- der Horizontal Type	4866	302-17-54
70b	"	"	4890	302-27-37
70c	"	"	4920	302-43-29
70d	"	"	4950	302-59-10
70e	"	"	4980	303-14-38
70f	"	"	5010	303-29-56
70g	"	"	5040	303-45-03
70j	"	"	5130	304-29-22
70u	"	"	5475	304-23-55
70w	"	"	5475	304-23-55
71d	"	"	5865	303-50-25

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>AOMON-BIIJIRI-ROJOA ("V" ZERO) CONTINUED</u>				
71f	LD-50 (Radn)	Mouse Exposure Cylin- der Horizontal Type	6480	303-47-15
71g	"	"	6765	304-30-00
73a	Mouse Dosimetry	Neutron Hemispheres Exposed Above Ground	2999.34	301-01-42
73b	"	"	3136.99	299-26-26
73c	"	"	3298.87	301-08-49
73d	"	"	3450.71	301-08-18
73e	"	"	3595.08	301-10-00
73f	"	"	3748.51	301-06-09
73g	"	"	3898.63	301-04-34
73h	"	"	4050.10	301-12-21
73i	"	"	4196.21	301-03-33
73j	"	"	4358.47	303-42-46
74a	"	Check Hemispheres Exposed	4860	304-43-00
74b	"	"	4950	304-39-55
74c	"	"	5070	304-42-45
74d	"	"	5190	304-58-43
74e	"	"	5325	304-54-00
74f	"	"	5490	304-36-02
74g	"	"	5730	304-17-12
74h	"	"	6480	304-00-31
79	Thermal Burn	Thermal Exp. Bldg.	3600	302-02-43

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>AOMON-BIJIRI-ROJOA ("V"ZERO) CONTINUED</u>				
80c	Radn.	Phantom Dosimetry 10 Spheres per Sta.	54.00	304-45-08
80d	"	"	64.80	304-13-48
85a	"	"	3748.05	300-57-00
85b	"	"	4048.62	301-03-43
85c	"	"	4358.60	303-40-12
85d	"	"	4499.15	304-26-14
85e	"	"	4827.03	304-58-51
85f	"	"	4934.95	304-56-18
97a	"	"	7949.79	301-54-02
97b	"	"	7950	301-28-05
97c	"	"	7950.03	301-26-21
97d	"	"	7950.73	301-00-25
100	All	Power Station	8052.64	297-20-28
120a	Rad.Chem.	Ground Bottles	175	31-00-00
120b	"	"	175	71-00-00
120c	"	"	175	91-00-00
120d	"	"	175	111-00-00
120e	"	"	175	131-00-00
121a	"	Air Bottles	175	41-00-00
121b	"	"	175	81-00-00
121c	"	"	175	101-00-00
121d	"	"	175	121-00-00
121e	"	"	175	141-00-00

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>AOMON-BIJIRI- ROJOA ("V" ZERO) CONTINUED</u>				
123	Rad.Chem.	Battery Hut	200	86-00-00
125	"	Rocket Launcher Base	6320.75	298-50-24
130	UCRL	Instr. in Cab.	At Zero	
131a	"	BlockHouse at Base of Tower	At Zero	
131b	"	Pump Station with Power Outlets on Tower	At Zero	
131c	"	"	Near Zero	
131d	"	"	Near Zero	
131e	"	"	Near Zero	
131f	"	"	Near Zero	
131g	"	"	Near Zero	
134	UCRL	Tent	Near Zero	
135	"		Near 131a	
140a	"		At Zero	
140b	"		At Zero	
141a	NRLK	Pumphouse	Near Zero	
141b		Power Supply & Test Bldg.	Near Zero	
142a		Magnet Power Supply	Near Zero	
142b		Wood & Storage Bldg.	Near Zero	
142c	"	Machine Shop Trailer	Near Zero	
143	"	T.L. Pit	Near Zero	

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>AOMON-BIJIRI-ROJOA ("V" ZERO) CONTINUED</u>				
144a	NRLK	Ganex Limonite Blockhouse	440.80	208-21-11
144b	"	Ganex Auxiliary Wooden Hut	Near 144a	
145	"	Collimating Tower For Ganex	Near 144a	
146	"	"	Near 144a	
167	EGG	Pole & Reflector	1389.41	97-16-52
168	"	"	655.04	79-05-45
169	"	"	337.69	42-30-57
170	"	"	362.92	222-50-42
171	"	"	1898.81	306-28-44
172	"	"	2563.58	308-18-06
772	USC & GS AFOAT	Seismograph in Underground Concrete Bldg.	6000	301-07-20
812	AACS	CPN-6 (Radio Beacon)	399.46	22-33-12
4217	Meteor	Steel Vault etc	1950	298-56-48
4218	"	"	2400	294-00-00
4219	"	"	3780	301-16-47
4220	Meteor	Steel Vault etc	5700	300-31-19
4221	"	"	5700	300-40-22
4221a	"	"	5700	300-22-16
4222	"	"		
4223	"	"		

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>AOMON-BIJIRI-ROJOA ("V" ZERO) CONTINUED</u>				
		Loaization Chamber	Near Sta 11	
		Radar Reflector	595.07	267-11-53
		Scintillation Detectors	Near Sta 5	
		"	Near Sta 28b	
		Photo Cells	Fwd. of Sta 6a	
Stake#1	NBS		3891.57	299-43-04
" #2	"		3891.91	299-46-28
" #3	"		4192.56	301-23-07
" #4	"		4902.09	304-14-06
" #5	"		4902.64	303-44-16
" #6	"		5399.83	304-14-12
" #7	"		5920.43	304-39-30
" #8	"		6653.05	305-23-27
" #9	"		7768.53	303-21-38
<u>LOCATION "N"</u>				
<u>PIIRAAI</u>				
60(To"C"	EGG	Photo Tower	15255.57	156-49-23
Zero)		(2 Tower Site)		
60(To"D"	"	"	12495.60	329-17-51
Zero)				
60(To"V"	"	"	14392.45	325-26-46
Zero)				
61	"	Battery Hut	Near Sta 60	
62(To"C"	"	Tower (2 Tower Site)	14922.72	153-01-52
Zero)				

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>PIIRAAI - CONTINUED</u>				
62(To"D" Zero)	"	Tower(2 Tower Site)	12770.40	333-54-25
62(To"V" Zero)	"	"	14593.19	329-31-52
63	"	Battery Hut	Near Sta. 62	
64(To"C" Zero)	"	Power Shack & Control Sta.	15080.9	154-56-53
65(To"D" Zero)	"	Storage Tent	12622.72	331-37-39
66	"	Landing Mat.	East of Sta 76	
76(To"V" Zero)	Thermal Burn	Thermal Exp.Bldg.	14355.12	327-48-46
7(To"V" Zero)	NRL	Wood Bldg.	14353.10	328-26-44
<u>LOCATION "P"</u>				
<u>BOKONARAPPU-("E" ZERO)</u>				
7	NRL	Wood Bldg.	16710	309-30-00
60(To "E"Zero)	EGG	Photo Tower (Single Tower Site)	16928.94	309-39-17.7
60(To "V"Zero)	"	"	14330.6	108-24-00
61	"	Battery Hut	Near Sta 60	
64	"	Power Shack & Control Sta.	Near Sta 60	
65	"	Storage Tent	Near Sta 60	
66	"	Landing Mat	East of Sta 60	
79	Thermal Burn	Thermal Exp.Bldg. Wood	16992	309-10-00

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>BOKONAARAPPU-(["]E["] ZERO) CONTINUED</u>				
92a	AMC	Interforometer (Buck) Gages Box	Corners of Sta 824	
92b	"	"	"	"
92c	"	"	"	"
92d	"	"	"	"
824	"	Wing Models Con- crete Base & Dust over Area	16614	310-00-00
		Radar Reflector	17645.87	309-03-41
4214	Meteor	Steel Vault, etc	17040.00	310-00-00
<u>LOCATION ["]Q["]</u>				
<u>TEITEIRIPUCCHI (["]E["] ZERO)</u>				
60(To ["] E ["] Zero)	EGG	Photo Tower(2Tower Site)	13085.81	98-52-47
60(To ["] F ["] Zero)	"	"	22237.22	240-24-40
61	"	Battery Hut	Near Sta 60	
62(To ["] E ["] Zero)	"	Tower (2 Tower Site)	12738.36	93-55-13
62(To ["] F ["] Zero)	"	"	21889.60	243-18-45
63	"	Battery Hut	Near Sta 62	
64(To ["] E ["] Zero)	"	Power Shack & Control Sta	12900	96-26-00
64(To ["] F ["] Zero)	"	"	22056.35	241-51001
65	"	Storage Tent	Near Sta 64	

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>TEITEIRIPUCCHI ("E" ZERO) CONTINUED</u>				
66		Landing Mat	East of Sta 64	
93a	AMC	Interferometer (Buck) Gages	Corner of Sta 823	
93b	"	"	"	
93c	"	"	"	
93d	"	"	"	
823 To "E" Zero	"	Wing Models, Con- crete Base and Dust Free Area	12000	97-10-32
827		Instrument Bldg. for 2-24 Channel Recorders	Near Sta 823	
4215 (To "E" Zero)	Meteor	Steel Vault etc.	11508.28	95-58-35
4216 (To "E" Zero)	"	"	12000	99-00-00
To "V" Zero		Radar Reflector	43038.52	112-40-36.8
<u>LOCATION "R"</u>				
<u>AARAANBIRU ("V" ZERO)</u>				
4222	Meteor	Steel Vault, etc.	10380	311-49-00
75	Thermal Burn	Thermal Exp. Bldg.	10380	312-48-00
<u>LOCATION "S"</u>				
<u>MUZIN ("E" ZERO)</u>				
Pipe A	NBS		6720	317-19-30
"	B	"	7609.50	315-29-30
"	C	"	6720	317-22-45

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>MUZIN ("E" ZERO) CONTINUED</u>				
Pipe D	NBS		6718.50	317-25-45
"	E	"	7609.50	315-31-30
"	F	"	6904.50	318-12-30
"	G	"	7098.50	318-14-45
"	H	"	7300	318-09-00
"	J	"	7501	318-15-15
"	K	"	7695.50	318-14-00
"	G†	"	6797.08	342-55-00
"	q†	"	6797.08	342-52-28
"	r†	"	6797.08	342-57-32
41	J7	Tank & Rack in Asphalt Area	6783	318-04-06
76	Thermal Burn	Thermal Exposure Bldg.	6808	315-49-48
82	Dosime- try	Phantom Pig Con- tainer	6808.77	316-23-23
91a	AMC	Interferometer (Buck)Gage	6751.67	317-14-09
91b	"	"	6751.67	317-21-47
91c	"	"	7266.98	315-08-52
91d	"	"	7266.98	317-46-52
91e	"	"	6967.47	315-33-18
91f	"	"	6967.47	318-09-42
101	All	Power and Cable Term.	7047.09	317-34-25

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>MUZIN ("E" ZERO) CONTINUED</u>				
301d	Struct.	Concrete Instrument Vault	7038	314-26-41
301f	"	"	Refer to 3.3.3	
301G	"	"	Refer to 3.3.4	
301H	"	"	Refer to 3.3.8h	
302e	"	Camera Mount Type C	Refer to 3.3.3	
302f	"	Camera Mount Type B	Refer to 3.3.3	
302g	"	"	Refer to 3.3.3	
302h	"	"	Refer to 3.3.3	
302j	"	"	Refer to 3.3.4	
302k	"	"	Refer to 3.3.4	
302m	"	"	Refer to 3.3.5b	
302n	"	"	Refer to 3.3.5b	
302p	"	"	Refer to 3.3.5b	
302q	"	"	Refer to 3.3.8h	
302r	"	"	Refer to 3.3.8h	
3.2.7b	"	Conventional "H"	6951	314-51-08
3.3.3	"	Industrial "C 1.1"	7548	317-17-46
3.3.4	"	" "A.2.1"	7323	314-19-00
335b	"	Load Bearing Wall	7020	316-09-00
338g	"	Model Closed	7116	314-09-07

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>MUZIN ("E" ZERO) CONTINUED</u>				
338h	"	‡ Scale "Cl.1"	7131	318-25-00
518	ESL	Hemisphere	7100	315-14-00
623	NML NRDL	Inst. House & 2 racks	6988.33	314-20-59
623a	NRDL	Panels on S334	Refer to 3.3.4	
623b	"	Camera House & Battery Box	Refer to 3.3.4	
624 Steel	"	Two Racks	7549.69	318-44-10
624 Dural	"	Two Racks	7552.99	314-42-00
624a	"	Panels on S3.3.3	Refer to 3.3.3	
624b	"	Camera House & Battery Box (Type 302e)	Refer to 3.3.3	
822	AMC	Wing Model, Concrete Base	6878.16	317-20-53
826	"	Instrument Bldg. for 2-24 Channel Recorders	Refer to 822	
4210	Meteor	Steel Vault	6751.67	317-44-42
4211	"	"	7463.58	315-13-01
4212	"	"	7463.58	315-19-27
4212a	"	Steel Vault	7463.58	315-25-53
5171	ESL	Hemisphere	6725	317-03-00
5172	NRDL	"	6725	316-57-52
5173	"	"	6725	10' from 5171

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>MUZIN ("E" ZERO) CONTINUED</u>				
5174	NRDL	Hemisphere	6725	10' from 5172
5182	AEC	"	7100	10' from 518
6105	ACC	3'x3'x3' hole	7500	315-00-00
<u>LOCATION "T"</u>				
<u>KIRINIAN ("E" ZERO)</u>				
77	Thermal Burn	Thermal Exp. Bldg. Wood	9326.79	315-10-29
78	"	"	10500	315-33-54
101	All	Power, Time Signal & Phone Cable Term.	9270.27	316-25-53
351	Public Bldg. Service	Glass Test	10327.85	316-27-41
625	USNRDL	Instrument House & 2 Racks	9326.91	315-26-15
625a	NML	Single Rack	Near Sta 101	
625b	USNRDL	Camera House & Battery Box Type (302e)	Near Sta 625	
625c	"	"	Near Sta 625	
626	"	"	Near Sta 626a	
626a	USNRDL	Instrument House & 2 Racks	10500	315-18-35
626b	"	Camera House & Battery Box (Type 302e)	Near Sta 626a	
626c	"	"	Near Sta 626a	

SCIENTIFIC STATIONS AND MILITARY STRUCTURES

STATION	USER	DESCRIPTION	DISTANCE FROM ZERO	AZIMUTH FROM NORTH TO ZERO
<u>KIRINIAN ("E" ZERO) CONTINUED</u>				
4213	Meteor	Steel Vault, etc.	9300	316-07-21
<u>BOGON ("E" ZERO)</u>				
519	ESL	Hemisphere	8250	102-28-19
5192	"	"	Near Sta 519	

TABULATION OF
BUILDINGS AND FACILITIES

<u>NO.</u>	<u>ITEM</u>
<u>ENIWETOK (LOC. "A")</u>	
1	E. M. Recreation
2	Officers Beach Club
3	Power House (Transmitter)
4	Transmitter
5-8	Latrines
9	Open Air shower
10	36 Man Quarters
11	72 Man Quarters
12	"
13	"
14	Dispatcher
15	Group H. Q.
16	P, O, & P. X.
17	Latrine
18	9 or 18 Man Quarters
19	"
20	"
21	"
22	Ward Bldg.
23	"
24	Dispensary
26	ATCOM Residence
27	Officers Club
29	Fire Station
30	Movie - 800 man size
31	Laundry
32	Chapel
33	Reefer
34	Boiler House
35	Bakery
36	Mess Hall
37	Commissary
38	18 Man Officers Quarters
39	"
40	"
41	"
42	"
43-44	Latrines
46	72 Man Quarters

BUILDINGS AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEM</u>
ENIWETOK (LOC. "A") - Continued	
47	72 Man Quarters
48	"
49	"
50	"
51-55	Latrines
56	Power and Water Distillation Plant
57	Laboratory Bldg.
58	Warehouse
59	"
60	"
61	"
62	"
63	"
64	"
65	"
66	"
67	"
68	"
69	"
70	Reefer Bank
71	Warehouse
72	"
73	"
74	"
75	"
76	"
77	Drone H. Q.
78	Air Operations
79	Base Engineering Shops
80	"
82A	Warehouse
82B	"
83	"
84	Power House (Receiver)
85	Receiver Bldg.
86	Drone Control Ramp
87	Hydrogen Storage
88	Weather Station
89	Control Tower & Base Operations
90	Air Task Group HQS
91	Crash Truck
92	L-13 Operations

BUILDINGS AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEM</u>
<u>ENIWETOK (LOC. "A") - Continued</u>	
93	L-13 Maintenance
94	P. O. L. Pump House
95	100 Octane AvGas Storage
95A	Mogas & 91 Octane AvGas Storage
96	J. P. I. Fuel Storage
96A	Diesel Oil Storage
98	Warehouse
99	Personnel Equipment Storage
100	U.S. Air Force Technical Supply Warehouse
101	"
102	"
103	"
104	"
105	"
106	"
107	Fresh Water Tanks
108	Movie - 800 Man Size
109-113	Latrines
115	Latrine
116	Loran Bldg.
117	NRDL & Chem Corps Area
117A	Aluminum Bldg. 20' x 24'
117B	Aluminum Bldg. 12' x 24'
117C	Tent 14' x 28'
117D	Tent 14' x 14'
117E	Tent 14' x 28'
117F	Steam Cleaning Shelter
118	B-50 Hanger
119	Radar Units (A F DR GR)
119-A	Radar Units
119-B	"
119-C	"
119-D	"
119-E	"
120	Telemeter Trailers (A F DR GR)
121	Elev. Water Storage
122-123	Latrines
124	Salt Water Pump Station
125	Latrine & Decontamination Showers
126	Latrine P. O. L. 12' x 12'

BUILDINGS AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEM</u>
<u>ENIWETOK (LOC. "A") - Continued</u>	
127	Latrine 24' x 24'
128	Latrine 12' x 12'
129	"
130	Latrine 24' x 24'
131	Booster Pump House
132	Sentry Post
133-134	Warehouse
135	Drone Crew Briefing & Operations
136	Guard House
137	Magazine
138	Medical Warehouse
139	Nose Hangar
140	LST Pier
141	Quay Pier
142	Personnel Pier
143	AACS Emergency Power
144	Solid Ice Plant
145-147	AACS Warehouses
148	Inflation Shelter
149	Hydrogen Gen.
150-151	AACS Underground Storage
152	Marine Ramp
153	Navy SM Boat Supply
154	Navigation Tower
155	Navy SM Boat Repair
156	HQ, HQ SQDN
157-163	Warehouses
164	Garbage Ramp
165-166	Underground Storage
167	Office
168	Pershing Field
169	Warehouse
170	Office
171	Warehouse
172	Pier Office
173	Refreshment Stand
174	HO-Reserved
175	"
176	"
177	"
178	"
179	"
180-199	OS-Reserved

BUILDING AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEM</u>
<u>ENIWETOK (LOC. "A") - Continued</u>	
201-439	8 Man Tents
440-499	OS-Reserved
500	General Off Quarters
502	Chaplain Office
503	Motor Pool Garage
504	Swimmers Tavern
505	Duffy's Tavern
506	NCO Club
507	Hobby Shop
508	Library
509	Atheletic Club & Wimpys
510	Telephone Terminal
511	Latrine
512	Obsn. Tower, TC
513	Generator
514	Woods Athletic Field
515	Aux Water Distillation
516-600	OS-Reserved
775	Station

PARRY (LOC. "B")

1-99	8 Man Tents
99-A	"
100	36-Man Quarters
101	"
102	"
103	"
104	"
105	"
106	"
107	"
108	"
109	"
110	"
111	18-Man Quarters
112	"
113	"
114	"
115	Hose Cart Shelter
117	Infirmary
118	Nurses Quarters

BUILDING AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEM</u>
<u>PARRY (LOC. "B") - Continued</u>	
119	9-Man Quarters
120	"
121	"
122	"
123	"
124	"
125	"
126	"
127	"
128	"
129	"
130	"
131-137	Awning 15' x 30'
138	Monitor Bldg.
139	Latrine
140	Generator Plant
141	HO-Reserved
142	"
143	"
144	"
145	"
146	"
147	"
148	"
149	"
150-199	OS-Reserved
200	Theatre
201	Mess Hall
202	Bakery
203	Boiler House
204	P.O. & P.X.
205	Fire Station and Security Office
206	Guards Quarters
208	H & N Administration
209	A. E. C. Administration
210	Photo Laboratory
211	Instrument Laboratory
212 (A-B-C)	Counting and Stamping Laboratory
213	Guard Post
214	Guard Post
215	Hose Cart Shelter
216	Day Room
217	Reefer

BUILDINGS AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEMS</u>
<u>PARRY (LOC. "B") - Continued</u>	
220	Elevated Salt Water Tank
221	Task Force H. Q. Bldg.
222	Day Room
227	Latrine and Shower
228	"
229	Telemeter & Receiver Bldg.
230	Commissary
231	Laboratory
232	Scientific Users
233	Latrine & Shower - 100 man
234	"
235	"
236	"
237	Recreation Bldg.
238	Chill Storage Bldg.
239	HO-Reserved
240	"
241	"
242	"
243	"
244	"
245	"
246	"
247	"
248	"
249	"
250-299	OS-Reserved
300	P. O. L. Pump House
301	Power & Distillation Plant
302	Laundry
303	Boiler House
304	Diesel Storage
305	"
306	Hose Cart Shelter
307	Gasoline Storage
308	Warehouse
309	Materials Testing Laboratory
310	Control Tower
311	Control Bldg.
312	Fresh Water Storage
313	Warehouse and Maintenance
314	Plumbing & Machine Shop
315	Electrical Shop
316	Sheet Metal Shop

BUILDINGS AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEMS</u>
<u>PARRY (LOC. "B") - Continued</u>	
317	Carpenter Shop
318	Paint Shop
319	Jumbo Quonset
320	"
321	"
322	Motor Repair
323	Rad Safe Bldg.
324	Air & Water Dispatch
326	Fresh Water Storage
327	Grease Rack
328	5.1 Trailer
329	Lab.
330	Bldg.
331	Shelter
332	Guard Post
333	Air Cond. Bldg.
334	Underground Shelter
335	Guard Tower
336	Guard Tower
337	Calibration Station
338	HO-Reserved
339	"
340	"
341	"
342	"
343	"
344	"
345	"
346	"
347	"
348	"
349	"
350-399	OS-Reserved
400	Jumbo Quonset
401	"
402	"
403	"
404	"
405	"
406	Boat Repair
408	Phone Shelter
409	Recreation Bldg.
410	Salt Water Pump House

BUILDING AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEM</u>
<u>PARRY (LOC. "B") - Continued</u>	
411	HO-Reserved
412	"
413	"
414	"
415	"
416	"
417	"
418	"
419	"
420-499	OS-Reserved
 <u>RUNIT (LOC. "C")</u>	
1-51	4-Man Tents
52	Refreshment Tent & Reefer
53	HO-Reserved
54	"
55	"
56	"
57	"
58-99	OS-Reserved
100	Latrine & Showers
101	"
102	Mess Hall and P. X.
103	Movie
104	Water Storage Tanks
105	Scientists & H&N Offices
106	Power House
107	Motor Repair Shop
108	Latrine & Showers
109	Fire and First-Aid Station
111	Grease Rack
112	Fresh Water Storage Tank
113	HO-Reserved
114	"
115	"
116	"
117	"
118	"
119	"
120-up	OS-Reserved

BUILDING AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEM</u>
<u>AOMON, BIIJIRI, ROJOA (LOC. "D")</u>	
1-50	4-Man Tent
51	Refreshment Bldg.
69	Communications Bldg.
100	Movie
101	Water Storage Tower
102	Shower & Latrine
103	Fire & First-Aid Station
104	Mess Hall
105	Scientists & H&N Offices
106	Motor Repair Shop
107	Shower & Latrine
108	Power House, Pumps & Stills
110	Grease Rack
111	HO-Reserved
112	"
113	"
114	"
115	"
116	"
117-up	OS-Reserved

ENGEBI (LOC. "E")

1-85	4-Man Tent
86	Refreshment Tent & Reefer
87	HO-Reserved
88	"
89	"
90	"
91	"
92-99	OS-Reserved
100	Power & Distillation Plant
101	Showers & Latrine
102	Motor Repair Shop
103	Mess Hall
103-A	Boiler House
104	Fire & First-Aid Station
105	Elevated Water Storage
106	Scientists & H&N Offices
107	Showers and Latrine
108	"
109	Movie
111	Grease Rack

BUILDING AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEM</u>
<u>ENGEBI (LOC. "E") - Continued</u>	
112	Infirmary (Added 5/22/50)
113	HO-Reserved
114	"
115	"
116	"
117	"
118	"
119	"
120-up	OS-Reserved
 <u>BOGALLUA (LOC. "F")</u>	
1-12	4-Man Tent
13	Fresh Water Storage
14	Shower & Laundry Slab
15	Latrine
16	Power & Distillation Plant
17	Shop & Storage Tents
18	Tent Slab
19	HO-Reserved
20	"
21	"
22	"
23	"
24-up	OS-Reserved
 <u>JAPTAN (LOC. "L")</u>	
1	X-Ray Building
2	Mess Hall
3	Shop (Existing)
4	36-Man Quarters
5	Existing Quonset
6	18-Man Quarters
7	"
8	Pump House
9	Vehicle Service Area
10	Water Storage (Elevated)
11	Power & Stills
12	Laboratory
13	Mouse House
14-45	Animal Runs (Triple Units)

BUILDING AND FACILITIES (Continued)

<u>NO.</u>	<u>ITEM</u>
<u>JAPAN (LOC. "L") - Continued</u>	
46	Incinerator
47	Feed Storage
48	H. P. Pump House
49	Autopsy Building
50	Green House
51	Quarters
52	Infirmary
53	Thermal Bldg.
54	Day Room
55	Office-Navy
56	First Aid
57	Drafting Room
58	Biological Lab.
59	Quarters - Toilet
60	Garbage Can Washing Bldg.
61	HO-Reserved
62	"
63	"
64	"
65	"
66-up	OS-Reserved

APPENDIX D

Horizontal Control Survey

Eniwetok Atoll

Marshall Islands

1949-50

CONTENTS

Summary of general features of the scheme
Location map
Location of control points
Geographic position and azimuth
Field procedure
List of geographic positions
List of directions
Eccentric reductions
Abstract of directions
Computation of triangles
Check computations of Joint Task Force Seven Survey
Computation of geographic positions
Base line computations
Station description and recovery notes
Vertical control

A scheme of second order triangulation composed of check figures was executed from a second order base line on Runit Island. The scheme extends northward to Bogallua Island and southward to Eniwetok Island. The survey was for the purpose of coordinating local surveys on project islands and to establish distances and azimuths between certain installations.

Standard procedure and specifications of the U.S. Coast and Geodetic Survey for second order triangulation was the criteria for this survey. The geometry of the scheme was checked by the Los Angeles Office of that organization before field work started and the results of observing the scheme were checked as to procedure in January of this year.

The scheme was so executed that it can be expanded to include the complete atoll and where possible the permanency of station locations was considered. All station markers on project islands were referenced. Referencing of the two stations in the lagoon and on the sand spits south of Runit were not practical.

Two previous surveys have been made of the eastern portions of the atoll. As stated in the reconnaissance report of January 7, 1949 these surveys were not readily adapted to the requirements of this project and were necessarily reoccupied to expand the present scheme.

The U.S.S. BOWDITCH SURVEY made in 1944 was of third order accuracy and covered the eastern portion of the atoll from Igurin to Begumbogo. The apparent purpose was hydrographic charts of the atoll. It included a base line on Runit Island and control points on eleven other islands, also a station in the lagoon in the vicinity of the existing station, Coral. The geographical position of station North Base on Runit Island and the azimuth of the base line between stations North Base and South Base were determined by astronomical observations. As most of the stations on this survey were not on project islands and the reoccupation of its stations would have been necessary in any case for system expansion the values found in the U.S.S. Bowditch Survey were not incorporated into the present survey, except that the Joint Task Force Seven Survey determination of the latitude and longitude of station Runit was based on the original geographical position of station North

as established by this survey. Also, the azimuth of the line North Base-Sand is accepted.

The JOINT TASK FORCE SEVEN SURVEY made in 1947-48 and covering the eastern portion of the lagoon from Aniyaanii to Engebi, consisted of a limited scheme with stations on Engebi, Aoman, Runit and Aniyaanii and station Coral in the lagoon.

The scheme was stated to be of first order accuracy and first order procedure was used. However, the base expansion figure was not consistent with specifications of the U.S. Coast and Geodetic Survey and it was only because of the limited extent of the scheme that it could be considered of a high order of accuracy.

Of the seven stations included in this survey, station Graflex on Aoman Island had been destroyed and the station on Aniyaanii was of little value in expanding the scheme. To establish a new station on Aoman for the present survey required occupying three of the five remaining stations. It thus was apparent that the expanded requirements of the present survey involved re-establishment of a complete triangulation network.

Station South Base of the U.S.S. Bowditch Survey was not recovered and a new station "Runit" was established at the south end of the island. The line North Base-Runit became the base line of this survey.

The geographical position of station North Base and the azimuth of the line North Base-Sand as established by the U.S.S. Bowditch Survey were accepted and became the origin of position and azimuth. Although the original azimuth observations were made from station North Base to station South Base an examination of the corrections obtained for the angle in the U.S.S. Bowditch triangulations showed that but little accuracy would be lost by accepting the azimuth of the line from station North Base to station Sand as the basis of azimuths for the survey. Therefore it was considered that reobservation for azimuth was not justified.

The line North Base-Runit was measured to first order accuracy and the azimuth of the line was computed from its relation to the line N. Base-Sand.

The computations involved in establishing the azimuth of this new base line have been checked and are included here for reference purposes.

A copy of the Report of the Engineer, Joint Task Force Seven, Part 2 was made available to us and has been of great assistance in planning and executing this survey.

Location of Control Points

To meet the requirements of the present project, a horizontal net has been established consisting of fifteen stations, including five stations of the Joint Task Force Seven Survey. Two of these five were original stations of the U.S.S. Bowditch Survey, and an additional station of that survey on Eniwetok is also included. Stations are located so that all project islands are tied in directly to the scheme or can be tied in by local triangulation. A new station in the lagoon off the south end of Runit Island was established to strengthen the base expansion quadrangle.

Where practical, stations have been given the name of the island on which they are located. This was done to simplify reference to these stations. Some of the U.S.S. Bowditch and Joint Task Force Seven stations have been renamed and reference to this is made in the station recovery notes. The stations of the survey and location are as follows:

BOGA -----	Bogallua Island
Teiteir -----	Teiteiripuechi Island
Engebi -----	Engebi Island
Bokon -----	Bokonaarappu Island
Acomon -----	Acomon Island
Piiraai -----	Piiraai Island
North Base --	Runit Island
Runit -----	Runit Island
Coral -----	In lagoon
Pinnacle -----	In lagoon
Photo -----	Photo tower in lagoon
Islet -----	First sand island south of Runit
Sand -----	Third sand island south of Runit
Aniyaanii ---	Aniyaanii Island
Parry -----	Parry Island
Eniwetok ----	Eniwetok Island

The islands of Musinbearikku, Kirinian and Aaraubiru will be tied in by local triangulation. Japtan is not included in present control requirements but can be tied in by the same method if desired.

Geographic Position and Azimuth

In the interests of economy and because we concurred with the Joint Task Force Seven Survey that little accuracy would be lost, it was our intention to accept the geographical position of station North Base and the azimuth of the new base line as the origin of position and azimuth for the present survey. Also the length of the base line would be accepted.

In observing for the present survey the base expansion quadrangle was observed at due to the necessity of constructing the new station, Pinnacle, in the lagoon. The results obtained indicated that the present location of the marker was eccentric to the position from which the Task Force Seven observations were taken and could not be accepted as the point of origin of the present survey. A computed difference of approximately four tenths of a foot in a northeasterly direction was found. This difference may have been caused by physical displacement of the monument.

The Los Angeles office of the U.S.C. & G.S. concurred in the conclusion that station North Base could not be accepted as being in its true position, also in the decision to measure the line from the present position of station North Base to station Summit to establish a base line for the present survey. The geographical position of station Summit and the azimuth of the line from station Summit to station North Base would be accepted for position and azimuth as the limited extent of the adjustments involved would not appreciably effect the accuracy requirements of this project.

Field Procedure

A reconnaissance of all locations involved was made and markers set for the triangulation stations. Actual observing on this survey started in October, 1949.

The observing party consisted of an observer, recorder and a varying number of light tenders. The party was quartered on an L.C.T. which moved to convenient points in the lagoon as required. An L.C.M. and a DUKW were used for transportation to the stations, and when practical, planes were used between the islands having landing strips.

Four Bilby steel towers were available for the survey and were moved to new stations as the survey progressed. Where low towers could be used they were constructed of wood. The towers were adequately braced and little vibration was experienced. All observing was at night using lights for targets. A Wild T-2 theodolite was used for observing and found to be very satisfactory. Some difficulty was experienced with the exterior lighting probably due to moisture. Station lights were constructed from U.S. Navy battle lamps by installing a rheostat. This made it possible to dim the lights to correct intensity and they made a satisfactory target.

Continuous inter-station communications were considered necessary due to the remote location of the stations. This was realized by using U.S. Army Type 619 portable radios. Considerable time was saved by this means of communication as the light intensity could be adjusted instantly and changes in plans could be transmitted to all personnel involved. This was often necessary due to weather conditions.

The observing was done at a period of the year when considerable rain and high wind velocity was experienced. Some time was lost due to weather both in being unable to get to the stations and poor visibility while occupying the stations.

Water transportation was adequate but necessarily slow and the personnel were usually away from the base of operations fourteen to sixteen hours.

Travel after dark in the lagoon was considered dangerous and the personnel were distributed before dark and picked up after sunrise in the morning.

Observing procedure consisted of adjusting the intensity of the station lights to the minimum which could be observed thereby obtaining a small target considering the distance involved. This was done as early in the evening as sufficient darkness was obtained and from one to three sets of six positions each were observed. Due to weather it was sometimes only possible to complete one satisfactory set in an evening. From two to five hours were spent in observing. When results obtained were within the specifications of the U.S. Coast and Geodetic Survey no attempt was made to obtain further refinement.

The strength of figures obtained for the net was an RI of 74.4 with a maximum of 130 allowed.

A maximum triangle closure of 2.5 seconds and an average closure of 1.3 seconds was obtained with the maximum of 8 seconds for one triangle and 3 seconds for the average closure allowed by specifications.

The RUNIT BASE LINE is a broken base consisting of four sections connecting the two stations, North Base and Runit. This was necessary due to the configuration of the island. Traverse Station Runit of the Joint Task Force Seven Survey is an angle point in this traverse and was also included in the former traverse.

Standard procedure of the U.S. Coast and Geodetic Survey for second order base line measurement was used. Angles were measured with the Wild T-2 theodolite and the measurement was made with three Levar tapes using thermometers and stretcher apparatus of an approved type. The calibration certificates of these tapes are included in the record of the survey.

Stakes were set at fifty meter intervals for chaining points and the tapes were alternated so that in completing the forward and backward measurement all three tapes were used in each direction.

Due to the velocity of the wind at this period of the year it was necessary to use a wind break in order to obtain accurate results. This consisted of a thirty

six inch strip of canvas approximately fifty five meters long which was held parallel to the line as each measurement was made.

The computed probable error of the total measurement is 1 part in 648,000.
The allowable maximum probable error is one part in 500,000.

ENIWETOK ATOLL

PRIMARY TRIANGULATION NET

SCALE: 1:100,000

HOLMES & NARVER, ENGINEERS

JAN. 13, 1950

DWG. NO. 16H-701

PHOTO

CORAL

NORTH BASE

BASELINE

POINT

ANNATLE

ISLET

SAND

ANIYAANII

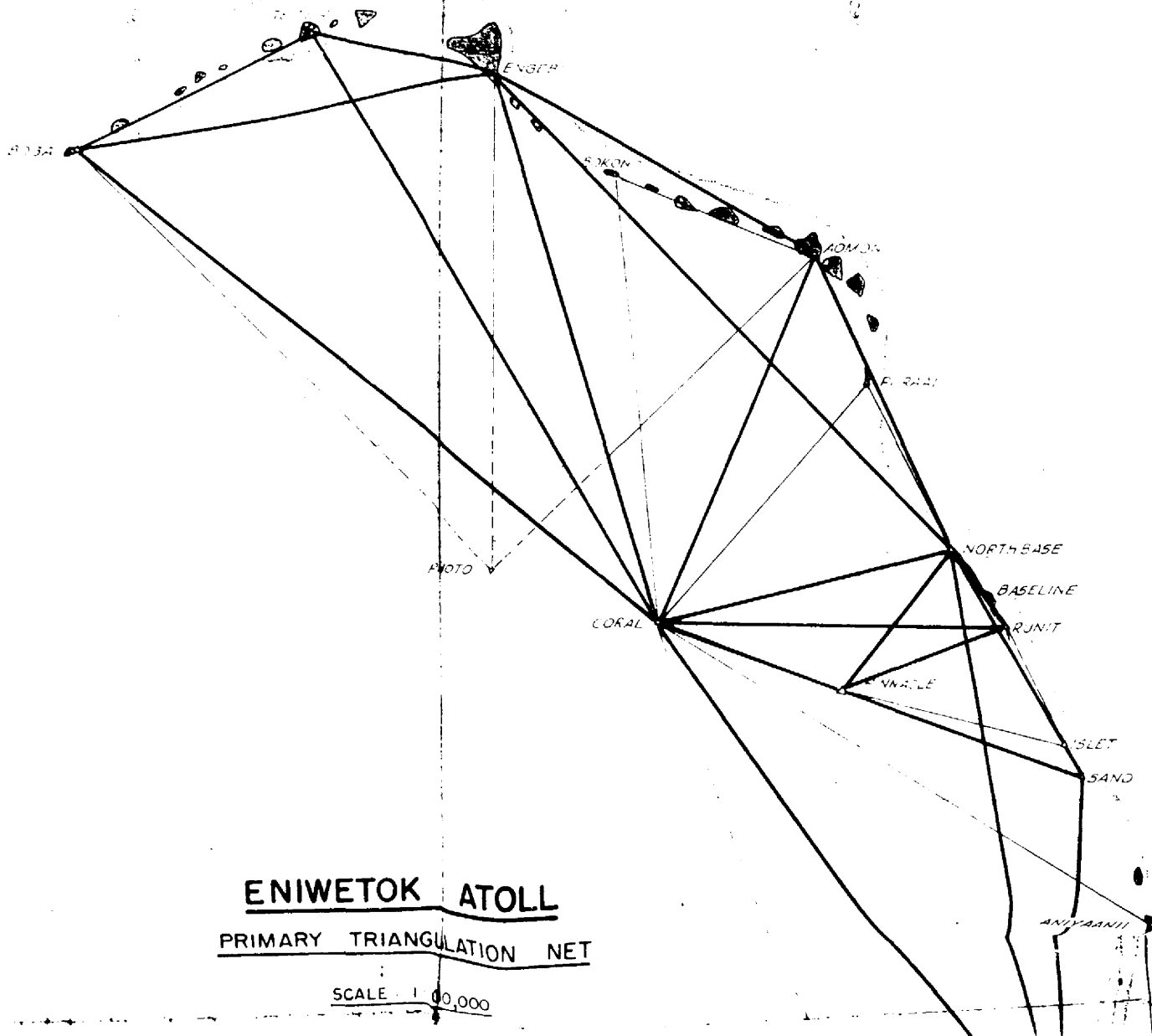
PARRY

ENIWETOK

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ENIWETOK ATOLL

PRIMARY TRIANGULATION NET

SCALE 1:100,000

GEOGRAPHIC POSITIONS

LOCALITY *ENIWETOK ATOLL MARSHALL ISLANDS* DATUM *ENIWETOK ASTRONOMIC 1944* SECOND ORDER TRIANGULATION

STATION	LATITUDE AND LONGITUDE	SECONDS IN METERS	AZIMUTH	BACK AZIMUTH	TO STATION	DISTANCE		
						LOGARITHM METERS	METERS	FEET
<i>North Base</i>	<i>11-33-23.267N 162-21-09.893E</i>		<i>322-47-25.7</i>	<i>142-47-36.1</i>	<i>Runit</i>	<i>3.4136308</i>	<i>2591.9749</i>	<i>8503.84</i>
			<i>327-56-56.1</i>	<i>147-57-19.5</i>	<i>Sand</i>	<i>3.8247895</i>	<i>6680.20</i>	<i>21916.6</i>
			<i>35-25-51.4</i>	<i>215-25-34.5</i>	<i>Pinnacle</i>	<i>3.6455679</i>	<i>4421.48</i>	<i>14506.1</i>
			<i>75-02-07.9</i>	<i>255-01-20.1</i>	<i>Coral</i>	<i>3.8747533</i>	<i>7494.68</i>	<i>24588.8</i>
			<i>156-30-13.8</i>	<i>336-29-53.3</i>	<i>Aoman</i>	<i>3.8906165</i>	<i>7773.50</i>	<i>25503.6</i>
			<i>154-55-56.7</i>	<i>334-55-44.2</i>	<i>Piiraqi</i>	<i>3.6491067</i>	<i>4457.66</i>	<i>14624.8</i>
<i>Runit</i>	<i>11-32-16.080N 162-22-01.621E</i>		<i>331-25-38.2</i>	<i>151-25-48.3</i>	<i>Islet</i>	<i>3.5087376</i>	<i>3226.54</i>	<i>10585.7</i>
			<i>69-34-34.8</i>	<i>249-34-07.5</i>	<i>Pinnacle</i>	<i>3.6442259</i>	<i>4407.84</i>	<i>14461.4</i>
			<i>142-47-36.1</i>	<i>322-47-25.7</i>	<i>North Base</i>	<i>3.4136308</i>	<i>2591.9749</i>	<i>8503.84</i>
<i>Coral</i>	<i>11-32-20.254N 162-17-10.944E</i>		<i>255-01-20.1</i>	<i>75-02-07.9</i>	<i>North Base</i>	<i>3.8747533</i>	<i>7494.68</i>	<i>24588.8</i>
			<i>289-02-53.4</i>	<i>109-04-04.5</i>	<i>Sand</i>	<i>4.0573318</i>	<i>11411.21</i>	<i>37438.3</i>
			<i>289-36-26.8</i>	<i>109-36-57.6</i>	<i>Pinnacle</i>	<i>3.6959722</i>	<i>4965.61</i>	<i>16291.3</i>
			<i>300-55-07.4</i>	<i>120-56-28.8</i>	<i>Aniyaanii</i>	<i>4.1585639</i>	<i>14406.68</i>	<i>47265.9</i>
			<i>324-04-06.6</i>	<i>144-05-13.0</i>	<i>Parry</i>	<i>4.2360560</i>	<i>17220.90</i>	<i>56498.9</i>
			<i>339-03-46.6</i>	<i>159-03-35.0</i>	<i>Eniwetok</i>	<i>4.3156485</i>	<i>20684.66</i>	<i>67862.9</i>
			<i>129-41-52.8</i>	<i>309-40-17.6</i>	<i>Boga</i>	<i>4.2705251</i>	<i>18643.40</i>	<i>61165.9</i>
			<i>148-59-31.2</i>	<i>328-58-32.4</i>	<i>Teiteir</i>	<i>4.2344911</i>	<i>17158.96</i>	<i>56295.7</i>
			<i>163-08-27.9</i>	<i>343-08-00.5</i>	<i>Engebi</i>	<i>4.1517262</i>	<i>14181.63</i>	<i>46527.6</i>
			<i>174-25-39.0</i>	<i>354-25-31.8</i>	<i>Bakon</i>	<i>4.0480178</i>	<i>11169.09</i>	<i>36643.9</i>
			<i>204-32-29.8</i>	<i>24-32-57.2</i>	<i>Aoman</i>	<i>3.9984988</i>	<i>9965.49</i>	<i>32695.1</i>
<i>221-50-49.3</i>	<i>41-51-24.7</i>	<i>Piiraqi</i>	<i>3.9041724</i>	<i>8019.96</i>	<i>26312.2</i>			

GEOGRAPHIC POSITIONS

LOCALITY ENIWETOK ATOLL MARSHALL ISLANDS			LAT. N. ENIWETOK ASTRONOMIC 1944			SECOND ORDER TRIANGULATION		
STATION	LATITUDE AND LONGITUDE	SECONDS IN METERS	AZIMUTH	BACK AZIMUTH	TO STATION	DISTANCE		
						LOGARITHM METERS	METERS	FEET
Pinnacle	11-31-26.010 N 162-19-45.307 E		109-36-57.6	289-36-26.8	Coral	3.6959722	4965.61	16291.3
			215-25-34.5	35-25-51.4	North Base	3.6455679	4421.48	14506.1
			249-34-07.5	69-34-34.8	Runit	3.6442259	4407.84	14461.4
			282-51-12.0	102-51-49.4	islet	3.7649177	5819.93	19094.2
Aoman	11-37-15.282 N 162-19-27.584 E		336-29-53.3	156-30-13.8	North Base	3.8906165	7773.50	25503.6
			24-32-57.2	204-32-29.8	Coral	3.9984988	9965.49	32695.1
			46-21-59.5	226-21-04.6	Photo	4.0588211	11450.40	37566.9
			111-26-41.6	291-26-06.9	Bohon	3.7491203	5612.03	18412.1
			118-38-56.3	298-38-01.3	Engebi	3.9732497	9402.64	30848.5
Engebi	11-39-41.964 N 162-14-55.152 E		298-38-01.3	118-38-56.3	Aoman	3.9732497	9402.64	30848.5
			343-08-00.5	163-08-27.9	Coral	4.1517262	14181.63	46527.6
			0-09-02.6	180-09-02.4	Photo	4.0937487	12409.34	40713.0
			80-45-22.3	260-44-14.1	Boga	4.0156166	10366.13	34009.5
			103-29-31.7	283-29-00.1	Teiteir	3.6867231	4860.97	15948.0
Boga	11-38-47.715 N 162-09-17.366 E		260-44-14.1	80-45-22.3	Engebi	4.0156166	10366.13	34009.5
			309-40-17.6	129-41-52.8	Coral	4.2705251	18643.40	61165.9
			316-28-20.9	136-29-28.6	Photo	4.1706707	14813.95	48602.1
Teiteir	11-40-18.863 N 162-12-19.086 E		283-29-00.1	103-29-31.7	Engebi	3.6867231	4860.97	15948.0
			328-58-32.4	148-59-31.2	Coral	4.2344911	17158.96	56295.7
Bohon	11-38-22.046 N 162-16-35.138 E		291-26-06.9	111-26-41.6	Aoman	3.7491203	5612.03	18412.1
			354-25-31.8	174-25-39.0	Coral	4.0480178	11169.09	36643.9

GEOGRAPHIC POSITIONS

LOCALITY ENIWETOK ATOLL MARSHALL ISLANDS DATUM ENIWETOK ASTRONOMIC 1944 SECOND ORDER TRIANGULATION

STATION	LATITUDE AND LONGITUDE	SECONDS IN METERS	AZIMUTH	BACK AZIMUTH	TO STATION	LOGARITHM METERS	DISTANCE	
							METERS	FEET
<i>Piirai</i>	<i>11-35-34.679N</i>		<i>334-55-44.2</i>	<i>154-55-56.7</i>	<i>North Base</i>	<i>3.6491067</i>	<i>4457.66</i>	<i>14624.8</i>
	<i>162-20-07.552E</i>		<i>41-51-24.7</i>	<i>221-50-49.3</i>	<i>Coral</i>	<i>3.9041724</i>	<i>8019.96</i>	<i>26312.2</i>
<i>Islet</i>	<i>11-30-43.856N</i>		<i>102-51-49.4</i>	<i>282-51-12.0</i>	<i>Pinnacle</i>	<i>3.7649177</i>	<i>5819.93</i>	<i>19094.2</i>
	<i>162-22-52.644E</i>		<i>151-25-48.3</i>	<i>331-25-38.2</i>	<i>Runit</i>	<i>3.5087376</i>	<i>3226.54</i>	<i>10585.7</i>
<i>Sand</i>	<i>11-30-18.985N</i>		<i>3-49-52.1</i>	<i>183-49-47.6</i>	<i>Parry</i>	<i>4.0104080</i>	<i>10242.55</i>	<i>33604.1</i>
	<i>162-23-06.870E</i>		<i>109-04-04.5</i>	<i>289-02-53.4</i>	<i>Coral</i>	<i>4.0573318</i>	<i>11411.21</i>	<i>37438.3</i>
			<i>147-57-19.5</i>	<i>327-56-56.1</i>	<i>North Base</i>	<i>3.8247895</i>	<i>6680.20</i>	<i>21916.6</i>
<i>Parry</i>	<i>11-24-46.372N</i>		<i>144-05-13.0</i>	<i>324-04-06.6</i>	<i>Coral</i>	<i>4.2360560</i>	<i>17220.90</i>	<i>56498.9</i>
	<i>162-22-44.294E</i>		<i>183-49-47.6</i>	<i>3-49-52.1</i>	<i>Sand</i>	<i>4.0104080</i>	<i>10242.55</i>	<i>33604.1</i>
			<i>199-01-47.4</i>	<i>19-02-02.2</i>	<i>Aniyaanii</i>	<i>3.8400459</i>	<i>6919.04</i>	<i>22700.2</i>
			<i>26-48-35.5</i>	<i>206-48-17.8</i>	<i>Eniwetok</i>	<i>3.7796823</i>	<i>6021.19</i>	<i>19754.5</i>
<i>Aniyaanii</i>	<i>11-28-19.252N</i>		<i>120-56-28.8</i>	<i>300-55-07.4</i>	<i>Coral</i>	<i>4.1585639</i>	<i>14406.68</i>	<i>47265.9</i>
	<i>162-23-58.729E</i>		<i>19-02-02.2</i>	<i>199-01-47.4</i>	<i>Parry</i>	<i>3.8400459</i>	<i>6919.04</i>	<i>22700.2</i>
<i>Eniwetok</i>	<i>11-21-51.465N</i>		<i>159-04-35.0</i>	<i>339-03-46.6</i>	<i>Coral</i>	<i>4.3156485</i>	<i>20684.66</i>	<i>67862.9</i>
	<i>162-21-14.725E</i>		<i>206-48-17.8</i>	<i>26-48-35.5</i>	<i>Parry</i>	<i>3.7796823</i>	<i>6021.19</i>	<i>19754.5</i>
<i>Photo</i>	<i>11-32-58.091N</i>		<i>136-29-28.6</i>	<i>316-28-20.9</i>	<i>Baga</i>	<i>4.1706707</i>	<i>14813.95</i>	<i>48602.1</i>
	<i>162-14-54.074E</i>		<i>180-09-02.4</i>	<i>0-09-02.6</i>	<i>Engebi</i>	<i>4.0937487</i>	<i>12409.34</i>	<i>40713.0</i>
			<i>226-21-04.6</i>	<i>46-21-59.5</i>	<i>Aoman</i>	<i>4.0588211</i>	<i>11450.40</i>	<i>37566.9</i>

DIRECTION COMPUTATIONS

LIST OF DIRECTIONS

STATION ANIYANI (Kodak)

DATE 3/17/50

CHIEF OF PARTY LSH

COMPUTED BY LSH

OBSERVER FGC

CHECKED BY LMP

OBSERVED STATION	OBSERVED DIRECTION	ECC. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
Parry	0° 00' 00.00"			0° 00' 00.00"	
Coral	101-54-26.6	-			
R.M. No. 1 17.495 M	214-55-42.6	-			
Photo Tower 21.425 M	304-50-46.2	-			
R.M. No. 2 33.475 M	326-01-28.6	-			
<p>No eccentricity of lights or adjustment at this station</p> <p>Observations made from a 16 foot wood tower</p> <p>Reference marks were established by the Joint Task Force Seven Survey</p>					

LIST OF DIRECTIONS

STATION ACMOE (Aomen Trav. Sta.)

DATE 3/27/50

CHIEF OF PARTY LSH

COMPUTED BY LSH

OBSERVER VPS

CHECKED BY LSH

OBSERVED STATION	OBSERVED DIRECTION	ECC. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
Coral	0° 00' 00.00"			0° 00' 00.00"	
Point	25-07-02.8	*			
Point	86-57-44.2	-			
Point	94-08-38.5	-			
L.S. No. 1 21,860 ft	188-08-10.0	-			
L.S. No. 2 22,860 ft	178-08-10.0	-			
Point	112-56-56.4	-			

No eccentricity of sight or instrument at this station.
 Observations taken from a 10' high steel tower.
 Reference mark is a concrete block.

LIST OF DIRECTIONS

STATION BOGA

DATE 3/27/50

CHIEF OF PARTY LSH

COMPUTED BY LSH

OBSERVER FPC

CHECKED BY LSH

OBSERVED STATION	OBSERVED DIRECTION	EGG. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
Coral	0° 00' 00.00"			0° 00' 00.00"	
Photo	6-68-04.8	-			
R.M. No. 1 59.815 M	94-53-50.0	-			
R.M. No. 2 24.576 M	154-54-00.0	-			
Latitair	293-21-24.7	-			
Height	31-03-56.3	-			
<p>No eccentricity of lights or instrument at this station. Observations made from 40 foot steel base. Reference marks are bronze disks in concrete blocks.</p>					

LIST OF DIRECTIONS

STATION WASH

DATE 3/27/50

CHIEF OF PARTY LSH

COMPILED BY LSH

OBSERVER YBC

CHECKED BY LSH

OBSERVED STATION	OBSERVED DIRECTION	ECC. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
ALPHA	0° 00' 00.00"			0° 00' 00.00"	
BETA	68° 59' 24.7"				
GAMMA	77° 24' 12.2"				
DELTA	79° 01' 18.2"				

LIST OF DIRECTIONS

STATION: CORAL DATE: 3/17/58

CHIEF OF PARTY: LSE COMPUTED BY: LSE

OBSERVER: JBL CHECKED BY: LSE

OBSERVED STATION	OBSERVED DIRECTION	ECO. RED.	SEA LEVEL RED.	CORRECTED DIR ZERO INITIAL	ADJ. DIR.
W. Base	0° 00' 00" 00			0° 00' 00" 00	
Tower	32-00-14.6	-			
North	90-01-02.5	-			
Pinnacle	90-25-07.2	-			
NE Point	90-35-17.1	-			
SE Point	90-05-14.7	-			
Roofs	90-00-00.0	-52.0			02-26.2
Tower	90-00-00.0				
North	90-00-00.0				
South	90-00-00.0				
West	90-00-00.0				
East	90-00-00.0				
Point	90-00-00.0				
Pinnacle	90-00-00.0				

No magnetic dip or light or instrument at this station
 Observations were taken from a 14 foot wood tower set on existing
 structure at this station.
 No corrections were made.

LIST OF DIRECTIONS

STATION POINT (Klg)

DATE 3/27/90

CHIEF OF PARTY LEE

COMPUTED BY LEE

OBSERVER JFC

CHECKED BY JFC

OBSERVED STATION	OBSERVED DIRECTION	EGG. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
<i>Cord</i>	0° 00' 00.00"			0° 00' 00.00"	
<i>Point</i>	277-01-02.5	-			
<i>Top</i>	97-07-22.8	-			
<i>Tall</i>	120-21-30.3	-			
<i>R.N. Sta. 1 15.240 R</i>	105-11-10.0	-			
<i>R.N. Sta. 2 15.240 R</i>	195-11-10.0	-			
<i>Anchor</i>	315-38-01.4	-			
<i>R. Base</i>	300-35-15.3	-			
<p>No eccentricity of lights or instrument at the station.</p> <p>Observations made from 40 foot steel tower.</p> <p>Reference marks are bronze disks in concrete blocks.</p>					

LIST OF DIRECTIONS

STATION ENIWELOK (Privilege)

DATE 3/17/50

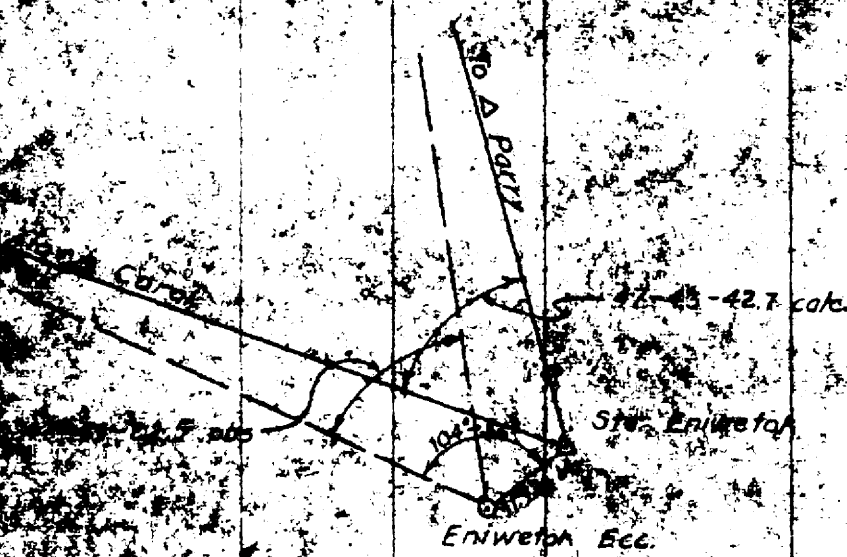
CHIEF OF PARTY LSH

COMPUTED BY LSH

OBSERVER FTV

CHECKED BY LSH

OBSERVED STATION	OBSERVED DIRECTION	ECC. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
Coral	0° 00' 00.00			0° 00' 00.00	
Parry	17-45-22.5	051-39.8			43-42.7
E.E. No. 5 11.924	17-45-17.4				
E.E. No. 4 11.924	17-45-17.4				



Eniwetok ECC. from Eniwetok station
 List of observations for observation from Coral
 List of observations for observation from Parry
 Observations were made from a 20 foot steel tower
 fastened to the concrete in concrete blocks

LIST OF DIRECTIONS

STATION 1234 DATE 3/17/50

CHIEF OF PARTY LSH COMPUTED BY LSH

OBSERVER TEL CHECKED BY LSH

OBSERVED STATION	OBSERVER DIRECTION	EGG. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
<p>1234</p> <p>1234-567</p> <p>No magnetic lights or instrument at this station</p> <p>Observations made from 12 foot wood tower</p> <p>Instrument set</p>	<p>0° 00' 00.00"</p>			<p>0° 00' 00.00"</p>	

LIST OF DIRECTIONS

STATION BORE BASE

DATE 5/17/50

CHIEF OF PARTY LEE

COMPUTED BY LEE

OBSERVER FFC

CHECKED BY LEE

OBSERVED STATION	OBSERVED DIRECTION	EGG. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
Coral	0° 00' 00.00"			0° 00' 00.00"	
Engoki	60-46-58.5				
Piirani	70-53-48.5				
Loani	81-26-05.5				
N.E. No. 3 45,606 ft	161-59-26.0				
Rangi	249-45-35.2				
Opai	250-12-47.1				
N.E. No. 1 31,928 ft	267-15-20.0				
Tuava	276-41-37.5				
Mimaka	280-03-13.0				
N.E. No. 2 24,375 ft	280-03-13.0				
<p>No reduction in light of instrument's characteristics Corrections were made for refraction Reference marks and bronze disks set in rock target</p>					

LIST OF DIRECTIONS

STATION

DATE

CHIEF OF PARTY

COMPUTED BY

OBSERVER

CHECKED BY

OBSERVED STATION	OBSERVED DIRECTION	COR. FOR REF.	SEA LEVEL COR.	CORRECTED DIR. ZERO INITIAL	ASST. DIR.
E. 100	0° 00' 00" 00			0° 00' 00" 00	

LIST OF DIRECTIONS

STATION FORT

DATE 3/27/50

CHIEF OF PARTY LSH

COMPUTED BY LSH

OBSERVER FEV

CHECKED BY LSH

OBSERVED STATION	OBSERVED DIRECTION	EGG. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
Coral	0° 00' 00.00"			0° 00' 00.00"	
N. Base	25-43-13.5				
S. Base	35-43-35.3				
R.M. No. 1 15.246 M	25-43-25.4				
Antenna 1	25-43-25.4				
R.M. No. 2 15.224 M	25-43-25.4				
Antenna 2	25-43-25.4				

No accuracy of light or instrument at this station

Observations made from 25 foot high tower in existing steel tower

Reference marks are bronze disks in concrete blocks

LIST OF DIRECTIONS

STATION PINNACLE DATE 3/17/50CHIEF OF PARTY LSH COMPUTED BY LSHOBSERVER FPG CHECKED BY LMP

OBSERVED STATION	OBSERVED DIRECTION	ECC. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
Coral	0° 00' 00.00"			0° 00' 00.00"	
N. Base	105-48-37.3	-			
Runit	139-57-10.4	-			
Islet	173-14-14.9	-			
<p>No eccentricity of lights or instrument at this station</p> <p>Observations made from a steel tripod 10 feet above tide level</p> <p>No reference marks set at this station</p>					

LIST OF DIRECTIONS

STATION RUNIT DATE 3/17/50
 CHIEF OF PARTY LSH COMPUTED BY LSH
 OBSERVER FPO CHECKED BY LSH

OBSERVED STATION	OBSERVED DIRECTION	ECO. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
N. Base	0° 00' 00.00"	-		0° 00' 00.00"	
R.M. No. 1 14.520 M	8-37-19.4	-			
R.M. No. 2 14.650 M	107-02-53.4	-			
Islet	188-38-01.9	-			
Pinnacle	286-46-35.2	-			
Coral	308-02-56.2	-			

No eccentricity of lights or instrument at this station
 Observations made from 28 foot wood tower
 Reference marks shown were established by the Joint Task Force Seven Survey

LIST OF DIRECTIONS

STATION 5480 DATE 2/1/70
 CHIEF OF PARTY LSB COMPUTED BY LSB
 OBSERVER JTC CHECKED BY LSB

OBSERVER STATION	OBSERVED DIRECTION	EGG. RED.	SEA LEVEL RED.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
	0° 00' 00.00"			0° 00' 00.00"	
	104-21-13.1				
	141-27-27.3				

No magnetic declination or instrument correction
 observations were taken from 15 foot height
 as magnetic declination not at this station

LIST OF DIRECTIONS

STATION TESTER

DATE 3/17/50

CHIEF OF PARTY LSE

COMPUTED BY LSE

OBSERVER LSE

CHECKED BY LNP

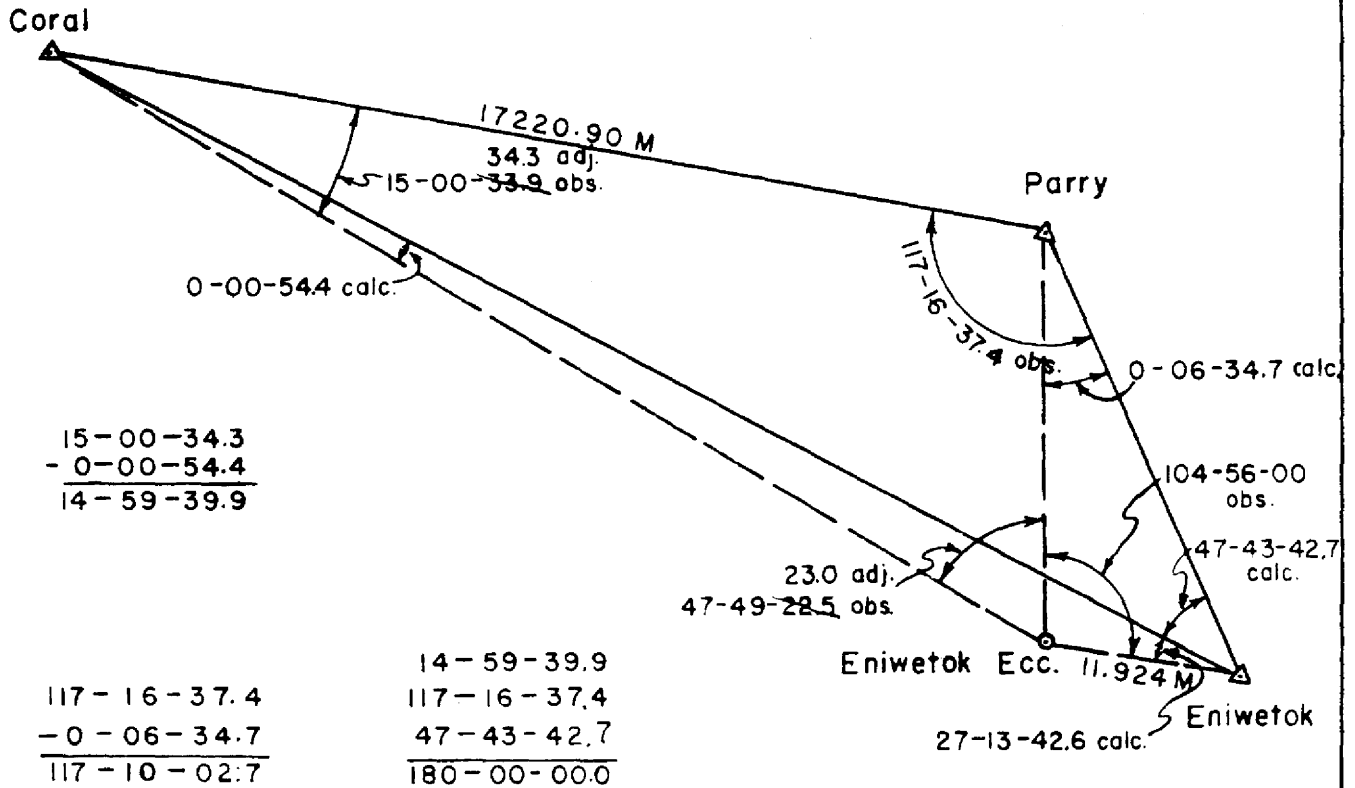
OBSERVED STATION	OBSERVED DIRECTION	ECC. RED.	SEA LEVEL REQ.	CORRECTED DIR. ZERO INITIAL	ADJ. DIR.
Base 1	0° 00' 00.00"			0° 00' 00.00"	
Base	01-05-47.5	-			
L.S. No. 11	01-05-47.5	-			
L.S. No. 2	01-05-47.5	-			
L.S. No. 3	01-05-47.5	-			
L.S. No. 4	01-05-47.5	-			
L.S. No. 5	01-05-47.5	-			
L.S. No. 6	01-05-47.5	-			
L.S. No. 7	01-05-47.5	-			
L.S. No. 8	01-05-47.5	-			
L.S. No. 9	01-05-47.5	-			
L.S. No. 10	01-05-47.5	-			
L.S. No. 11	01-05-47.5	-			
L.S. No. 12	01-05-47.5	-			
L.S. No. 13	01-05-47.5	-			
L.S. No. 14	01-05-47.5	-			
L.S. No. 15	01-05-47.5	-			
L.S. No. 16	01-05-47.5	-			
L.S. No. 17	01-05-47.5	-			
L.S. No. 18	01-05-47.5	-			
L.S. No. 19	01-05-47.5	-			
L.S. No. 20	01-05-47.5	-			
L.S. No. 21	01-05-47.5	-			
L.S. No. 22	01-05-47.5	-			
L.S. No. 23	01-05-47.5	-			
L.S. No. 24	01-05-47.5	-			
L.S. No. 25	01-05-47.5	-			
L.S. No. 26	01-05-47.5	-			
L.S. No. 27	01-05-47.5	-			
L.S. No. 28	01-05-47.5	-			
L.S. No. 29	01-05-47.5	-			
L.S. No. 30	01-05-47.5	-			
L.S. No. 31	01-05-47.5	-			
L.S. No. 32	01-05-47.5	-			
L.S. No. 33	01-05-47.5	-			
L.S. No. 34	01-05-47.5	-			
L.S. No. 35	01-05-47.5	-			
L.S. No. 36	01-05-47.5	-			
L.S. No. 37	01-05-47.5	-			
L.S. No. 38	01-05-47.5	-			
L.S. No. 39	01-05-47.5	-			
L.S. No. 40	01-05-47.5	-			
L.S. No. 41	01-05-47.5	-			
L.S. No. 42	01-05-47.5	-			
L.S. No. 43	01-05-47.5	-			
L.S. No. 44	01-05-47.5	-			
L.S. No. 45	01-05-47.5	-			
L.S. No. 46	01-05-47.5	-			
L.S. No. 47	01-05-47.5	-			
L.S. No. 48	01-05-47.5	-			
L.S. No. 49	01-05-47.5	-			
L.S. No. 50	01-05-47.5	-			

Eccentric Station—ENIWETOK

Log. d = 1.07642
 colog Sin 1" = $\frac{5.31443}{6.39085}$

d = 39.12 Ft. = 11.924 M.

	a	Log. Sin a	Log s Meters	Log($\frac{\text{Sin } a}{s}$)	Log. red. in seconds	Reduction = C
Parry	255-04	9.98508	3.77967	6.20541	2.59626	394.7"
Coral	207-15	9.66075	4.31566	5.34509	1.73594	54.4"



ABSTRACT OF DIRECTIONS

STATION Aniyaanii COMPUTED BY L.S.H. DATE 12-14-49
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	Parry	Coral				
	INITIAL 0°-00'	101°-54'				
1	0.00"	27.0				
2	0.00"	29.5				
3	0.00"	24.1				
4	0.00"	26.1				
5	0.00"	29.3				
6	0.00"	23.4				
7	0.00"					
8	0.00"					
	SUM	159.4				
	MEAN	26.6				
	CORR. FOR ECC.					
	DIRECTION	26.6				

ABSTRACT OF DIRECTIONS

STATION AOMAN COMPUTED BY L.S.H. DATE Nov. 16, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED			
	<i>Coral</i>	<i>Bokon</i>	<i>Engebi</i>	<i>North Base</i>
	INITIAL 0°-00'	86°-53'	94°-05'	311°-56'
1	0.00"	45.4	59.6	58.2
2	0.00"	47.8	59.8	56.6
3	0.00"	41.3	56.2	54.5
4	0.00"	42.0	00.0	57.7
5	0.00"	48.4	59.2	58.6
6	0.00"	39.5	56.1	53.1
7	0.00"			
8	0.00"			
	SUM	264.4	350.9	338.7
	MEAN	44.1	58.5	56.4
	CORR. FOR ECC.			
	DIRECTION	44.1	58.5	56.4

ABSTRACT OF DIRECTIONS

STATION AOMAN COMPUTED BY L.S.H. DATE NOV. 29, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	<i>Coral</i>	<i>Photo</i>				
	INITIAL 0°-00'	21°-49'				
1	0.00"	02.1				
2	0.00"	02.2				
3	0.00"	03.2				
4	0.00"	02.6				
5	0.00"	05.4				
6	0.00"	01.4				
7	0.00"					
8	0.00"					
	SUM	16.9				
	MEAN	02.8				
	CORR. FOR ECC.					
	DIRECTION	02.8				

ABSTRACT OF DIRECTIONS

STATION Boga COMPUTED BY L.S.H. DATE Nov. 18, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	<i>Coral</i>	<i>Teiteir</i>	<i>Engebi</i>			
	INITIAL 0°-00'	293°-21'	311°-03'			
1	0.00"	25.0	59.0			
2	0.00"	25.9	57.1			
3	0.00"	24.0	54.7			
4	0.00"	23.2	54.5			
5	0.00"	26.2	58.9			
6	0.00"	23.8	53.7			
7	0.00"					
8	0.00"					
	SUM	148.1	337.9			
	MEAN	24.7	56.3			
	CORR. FOR ECC.					
	DIRECTION	24.7	56.3			

ABSTRACT OF DIRECTIONS

STATION BOGA COMPUTED BY L.S.H. DATE Oct. 31, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED	
	<i>Engebi</i>	<i>Photo</i>
	INITIAL 0°-00'	55°-44'
1	0.00"	09.3
2	0.00"	10.6
3	0.00"	04.7
4	0.00"	07.2
5	0.00"	11.5
6	0.00"	02.7
7	0.00"	
8	0.00"	
	SUM	46.0
	MEAN	07.7
	CORR. FOR ECC.	
	DIRECTION	07.7

ABSTRACT OF DIRECTIONS

STATION BOKON COMPUTED BY L.S.H. DATE Nov. 22, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	Aoman	Coral				
	INITIAL 0°-00'	62°-59'				
1	0.00"	26.2				
2	0.00"	25.3				
3	0.00"	25.7				
4	0.00"	23.1				
5	0.00"	23.9				
6	0.00"	24.1				
7	0.00"					
8	0.00"					
	SUM	148.3				
	MEAN	24.7				
	CORR. FOR ECC.					
	DIRECTION	24.7				

ABSTRACT OF DIRECTIONS

STATION CORAL COMPUTED BY L.S.H. DATE Nov. 21, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED						
	North Base	Boga	Teiteir	Engebi	Bokon	Aoman	Piiraai
	INITIAL 0°-00'	234°-40'	253°-58'	268°-07'	279°-24'	309°-31'	326°-49'
1	0.00"	30.5	13.4	10.4	19.3	12.4	31.0
2	0.00"	33.5	11.5	07.4	23.5	09.1	27.5
3	0.00"	33.4	10.5	06.7	16.3	08.6	28.4
4	0.00"	34.6	15.8	11.0	18.7	10.0	28.6
5	0.00'	35.0	14.2	10.1	21.8	11.2	29.8
6	0.00"	33.2	11.3	06.9	16.9	09.4	30.3
7	0.00"						
8	0.00"						
	SUM	200.2	76.7	52.5	116.5	60.7	175.6
	MEAN	33.4	12.8	08.7	19.4	10.1	29.3
	CORR. FOR ECC.						
	DIRECTION	33.4	12.8	08.7	19.4	10.1	29.3

ABSTRACT OF DIRECTIONS

STATION CORAL COMPUTED BY L.S.H. DATE Dec. 5, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED				
	<i>North Base</i>	<i>Runit</i>	<i>Sand</i>	<i>Pinnacle</i>	<i>Parry</i>
	INITIAL 0°-00'	15°-48'	34°-01'	34°-35'	69°-02'
1	0.00"	15.0	31.2	09.7	45.1
2	0.00"	14.3	34.6	07.6	48.8
3	0.00"	16.9	32.5	07.1	47.0
4	0.00"	13.5	30.9	07.8	46.9
5	0.00"	13.1	34.6	07.3	46.3
6	0.00"	14.8	31.4	04.0	43.7
7	0.00"				
8	0.00"				
	SUM	87.6	195.2	43.5	277.8
	MEAN	14.6	32.5	07.2	46.3
	CORR. FOR ECC.				
	DIRECTION	14.6	32.5	07.2	46.3

ABSTRACT OF DIRECTIONS

STATION CORAL COMPUTED BY L.S.H. DATE Dec. 14, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	Parry	Aniyaanii				
	INITIAL 0°-00'	336°-51'				
1	0.00"	00.4				
2	0.00"	00.0				
3	0.00"	02.0				
4	0.00"	00.7				
5	0.00"	00.9				
6	0.00"	00.9				
7	0.00"					
8	0.00"					
	SUM	04.9				
	MEAN	00.8				
	CORR. FOR ECC.					
	DIRECTION	00.8				

ABSTRACT OF DIRECTIONS

STATION CORAL COMPUTED BY L.S.H. DATE Dec 22, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	Parry	Eniwetok				
	INITIAL 0°-00'	15°-00'				
1	0.00"	34.5				
2	0.00"	34.6				
3	0.00"	34.5				
4	0.00"	32.6				
5	0.00"	34.6				
6	0.00"	32.7				
7	0.00"					
8	0.00"					
	SUM	203.5				
	MEAN	33.9				
	CORR. FOR ECC.	- 54.0"				
	DIRECTION	14°-59'-39.9"				

ABSTRACT OF DIRECTIONS

STATION ENGEBI COMPUTED BY L.S.H. DATE Nov. 17, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED				
	<i>Coral</i>	<i>Teiteir</i>	<i>Aoman</i>	<i>North Base</i>	
	INITIAL 0°-00'	120°-21'	315°-30'	332°-33'	
1	0.00"	31.8	03.4	44.3	
2	0.00"	32.6	01.0	48.3	
3	0.00"	28.6	00.7	44.0	
4	0.00"	30.0	00.0	43.8	
5	0.00"	30.8	02.8	48.4	
6	0.00"	28.0	00.2	43.2	
7	0.00"				
8	0.00"				
	SUM	181.8	08.1	272.0	
	MEAN	30.3	01.4 01.35	45.3	
	CORR. FOR ECC.				
	DIRECTION	30.3	01.4	45.3	

ABSTRACT OF DIRECTIONS

STATION ENGEBI COMPUTED BY L.S.H. DATE Nov. 28, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED				
	Coral	Photo	Boga		
	INITIAL 0°-00'	17°-01'	97°-37'		
1	0.00"	01.6	24.0		
2	0.00"	01.2	21.6		
3	0.00"	03.9	21.2		
4	0.00"	02.7	24.7		
5	0.00"	05.0	22.1		
6	0.00"	00.8	18.2		
7	0.00"				
8	0.00"				
	SUM	15.2	131.8		
	MEAN	02.5	22.0		
	CORR. FOR ECC.				
	DIRECTION	02.5	22.0		

ABSTRACT OF DIRECTIONS

STATION ENIWETOK COMPUTED BY L.S.H. DATE Dec. 19, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	Coral	Parry				
	INITIAL 0°-00'	47°-49'				
1	0.00"	20.2				
2	0.00"	20.3				
3	0.00"	24.6				
4	0.00"	20.4				
5	0.00"	22.2				
6	0.00"	27.0				
7	0.00"					
8	0.00"					
	SUM	134.7				
	MEAN	22.5				
	CORR. FOR ECC.	- 5'-40.3"				
	DIRECTION	47°-43'-42.2"				

ABSTRACT OF DIRECTIONS

STATION NORTH BASE COMPUTED BY L.S.H. DATE Dec. 3, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED				
	<i>Coral</i>	<i>Engebi</i>	<i>Runit</i>	<i>Pinnacle</i>	
	INITIAL 0°-00'	60°-40'	247°-45'	320°-23'	
1	0.00"	55.2	20.8	47.2	
2	0.00"	48.5	16.0	42.8	
3	0.00"	52.3	17.6	38.8	
4	0.00"	51.9	17.6	42.4	
5	0.00"	51.4	15.8	47.6	
6	0.00"	49.9	15.1	38.9	
7	0.00"				
8	0.00"				
	SUM	309.2	102.9	257.7	
	MEAN	51.5	17.2 17.15	43.0 42.95	
	CORR. FOR ECC.				
	DIRECTION	51.5	17.2	43.0	

ABSTRACT OF DIRECTIONS

STATION NORTH BASE COMPUTED BY L.S.H. DATE Oct. 28, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED				
	<i>Coral</i>	<i>Aomon</i>	<i>Sand</i>	<i>Parry</i>	
	INITIAL 0°-00'	81°-28'	252°-54'	274°-44'	
1	0.00"	08.8	51.0	03.5	
2	0.00"	04.8	50.2	59.2	
3	0.00"	04.6	46.7	58.3	
4	0.00"	05.6	49.2	00.3	
5	0.00"	04.4	50.7	00.3	
6	0.00"	04.5	47.1	56.4	
7	0.00"				
8	0.00"				
	SUM	32.7	294.9	358.0	
	MEAN	05.5 05.45	49.1	59.7	
	CORR. FOR ECC.				
	DIRECTION	05.5	49.1	59.7	

ABSTRACT OF DIRECTIONS

STATION NORTH BASE COMPUTED BY L.S.H. DATE Nov. 30, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	Coral	Piirai				
	INITIAL 0°-00'	79°-53'				
1	0.00"	47.2				
2	0.00"	49.8				
3	0.00"	46.1				
4	0.00"	49.0				
5	0.00"	50.2				
6	0.00"	48.5				
7	0.00"					
8	0.00"					
	SUM	290.8				
	MEAN	48.5				
	CORR. FOR ECC.					
	DIRECTION	48.5				

ABSTRACT OF DIRECTIONS

STATION PARRY COMPUTED BY L.S.H. DATE Dec. 13, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED				
	Coral	North Base	Sand	Aniyaanii	Eniwetok
	INITIAL 0°-00'	25°-42'	39°-44'	54°-56'	242°-43'
1	0.00"	16.0 18.6	35.7	36.0	23.0
2	0.00"	14.0	35.8	32.1	24.3
3	0.00"	15.2	34.7	37.1	25.3
4	0.00'	10.6	33.9	35.5	18.9
5	0.00'	10.7	35.6	31.5	19.2
6	0.00"	14.8	35.9	34.0	24.9
7	0.00"				
8	0.00'				
	SUM	81.3 83.9	211.6	206.2	135.6
	MEAN	13.5 14.0	35.3	34.4	22.6
	CORR. FOR ECC.				
	DIRECTION	13.5	35.3	34.4	

ABSTRACT OF DIRECTIONS

STATION PINNACLE COMPUTED BY L.S.H. DATE Dec. 2, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	<i>Coral</i>	<i>North Base</i>	<i>Runit</i>	<i>Islet</i>		
	INITIAL 0°-00'	105°-48'	139°-57'	173°-14'		
1	0.00"	36.6	12.8	13.7		
2	0.00"	39.7	10.3	18.1		
3	0.00"	37.8	11.1	12.1		
4	0.00"	35.5	13.1	16.1		
5	0.00"	37.4	08.6	18.2		
6	0.00"	36.6	06.5	11.5		
7	0.00"					
8	0.00"					
	SUM	223.6	62.4	89.7		
	MEAN	37.3	10.4	14.95		
	CORR. FOR ECC.					
	DIRECTION	37.3	10.4	14.9		

ABSTRACT OF DIRECTIONS

STATION PIIRAAI COMPUTED BY L.S.H. DATE Nov. 20, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED				
	North Base	Coral			
	INITIAL 0°-00'	66°-55'			
1	0.00"	44.5			
2	0.00"	39.1			
3	0.00"	39.9			
4	0.00"	41.9			
5	0.00"	37.8			
6	0.00"	38.8			
7	0.00"				
8	0.00"				
	SUM	242.0			
	MEAN	40.3			
	CORR. FOR ECC.				
	DIRECTION	40.3			

ABSTRACT OF DIRECTIONS

STATION ISLET COMPUTED BY L.S.H. DATE Dec. 11, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	<i>Pinnacle</i>	<i>Runit</i>				
	INITIAL 0°-00'	48°-33'				
1	0.00"	59.5				
2	0.00"	01.9				
3	0.00"	55.5				
4	0.00"	59.0				
5	0.00"	01.5				
6	0.00"	56.2				
7	0.00"					
8	0.00"					
	SUM	353.6				
	MEAN	58.9				
	CORR. FOR ECC.					
	DIRECTION	58.9				

ABSTRACT OF DIRECTIONS

STATION RUNIT COMPUTED BY L.S.H. DATE Dec. 4, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED			
	North Base	Islet	Pinnacle	Coral
	INITIAL 0°-00'	188°-38'	286°-46'	308°-02'
1	0.00"	03.6	03.6	57.3
2	0.00"	02.3	59.5	00.3
3	0.00"	59.8	54.2	53.9
4	0.00"	01.8	59.3	54.1
5	0.00"	03.0	57.6	59.5
6	0.00"	00.9	57.0	52.3
7	0.00"			
8	0.00"			
	SUM	371.4	351.2	337.4
	MEAN	01.9	58.5	56.2
	CORR. FOR ECC.			
	DIRECTION	01.9	58.5	56.2

ABSTRACT OF DIRECTIONS

STATION SAND COMPUTED BY L.S.H. DATE Dec. 6, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	Parry	Coral	North Base			
	INITIAL 0°-00'	105°-14'	144°-07'			
1	0.00"	13.1	30.6			
2	0.00"	16.9	25.2			
3	0.00"	08.7	25.0			
4	0.00"	12.5	30.7			
5	0.00"	16.3	26.6			
6	0.00"	11.4	25.9			
7	0.00"					
8	0.00"					
	SUM	78.9	164.0			
	MEAN	13.15	27.3			
	CORR. FOR ECC.					
	DIRECTION	13.1	27.3			

ABSTRACT OF DIRECTIONS

STATION TEITEIR COMPUTED BY L.S.H. DATE Nov. 27, 1949
 OBSERVER F.P.C. CHECKED BY W.E.H. INST. Wild T-2

POSITION	STATIONS OBSERVED					
	Coral	Boga	Engebi			
	INITIAL 0°-00'	94°-03	314°-30'			
1	0.00"	48.0	31.3			
2	0.00"	50.3	26.9			
3	0.00"	47.5	31.1			
4	0.00"	46.0	24.6 23.2			
5	0.00"	44.4 50.5	29.3			
6	0.00"	48.9	27.3			
7	0.00"					
8	0.00"					
	SUM	285.1	170.5			
	MEAN	47.5	28.4			
	CORR. FOR ECC.					
	DIRECTION	47.5	28.4			

TRIANGLE COMPUTATIONS

COMPUTATION OF TRIANGLES

COMPUTED BY L.S.H. CHECKED BY L.M.P. DATE March 7, 1950

STATION	OBSERVED ANGLE	CORR-N	SPHERICL ANGLE	SPHERICL EXCESS	PLANE ANGLE AND DISTANCE	LOGARITHM
2-3					2591.9749	3.4136308
1 Pinnacle	34-08-33.1	-0.1	33.0	-0.0	33.0	0.2508413
2 North Base	72-38-25.8	-0.1	25.7	-0.0	25.7	9.9797538
3 Runit	73-13- <u>01.5</u>	<u>-0.2</u>	01.3	<u>-0.0</u>	01.3	9.9810958
1-3		<u>0.4</u>		<u>0.0</u>		3.6442259
1-2						3.6455679
2-3						3.6455679
1 Coral	34-35-07.2	-0.5	06.7	-0.0	06.7	0.2459339
2 North Base	39-36-17.0	-0.5	16.5	-0.0	16.5	9.8044704
3 Pinnacle	105-48- <u>37.3</u>	<u>-0.4</u>	36.9	<u>-0.1</u>	36.8	9.9832515
1-3		<u>-1.4</u>		<u>-0.1</u>		3.6959722
1-2						3.8747533
2-3						3.4136308
1 Coral	15-48- <u>14.6</u>	-0.4	14.2	-0.0	14.2	0.5648783
2 North Base	42-14-42.8	-0.4	42.4	-0.0	42.4	9.9664106
3 Runit	51-57- <u>03.8</u>	<u>-0.4</u>	03.4	<u>-0.0</u>	03.4	9.8962414
1-3		<u>-1.2</u>		<u>0.0</u>		3.9449197
1-2						3.8747505
2-3						3.9449197
1 Pinnacle	139-57-10.4	-0.3	10.1	-0.0	10.1	0.1915065
2 Coral	18-46-52.6	-0.2	52.4	-0.0	52.4	9.5077958
3 Runit	21-15- <u>57.7</u>	<u>-0.2</u>	57.5	<u>-0.0</u>	57.5	9.5595450
1-3		<u>-0.7</u>		<u>0.0</u>		3.6442220
1-2						3.6959712

COMPUTATION OF TRIANGLES

COMPUTED BY L. S. H. CHECKED BY L. M. P. DATE March 7, 1950

STATION	OBSERVED ANGLE	CORR - N	SPHERICAL ANGLE	SPHERICAL EXCESS	PLANE ANGLE AND DISTANCE	LOGARITHM
2-3						3.8747533
1 Aoman	48-03-03.6	+ 0.3	03.9	- 0.0	03.9	0.1285702
2 North Base	81-28-05.5	+ 0.4	05.9	- 0.1	05.8	9.9951673
3 Coral	50-28- <u>49.9</u>	+ <u>0.4</u>	50.3	- <u>0.0</u>	50.3	9.8872850
1-3	<u>59.0</u>	+ <u>1.1</u>		- <u>0.1</u>		3.9984988
1-2						3.8906165
2-3						3.9984988
1 Engebi	44-29-58.6	+ 0.6	59.2	- 0.1	59.1	0.1543401
2 Aoman	94-05-58.5	+ 0.6	59.1	- 0.1	59.0	9.9988873
3 Coral	41-24- <u>01.4</u>	+ <u>0.5</u>	01.9	- <u>0.0</u>	01.9	9.8204108
1-3	<u>58.5</u>	+ <u>1.7</u>		- <u>0.2</u>		4.1517262
1-2						3.9732497
2-3						3.8747533
1 Engebi	27-26-14.7	+ 0.9	15.6	- 0.1	15.5	0.3365036
2 North Base	60-40-51.5	+ 0.9	52.4	- 0.1	52.3	9.9404709
3 Coral	91-52- <u>51.3</u>	+ <u>1.0</u>	52.3	- <u>0.1</u>	52.2	9.9997659
1-3	<u>57.5</u>	+ <u>2.8</u>		- <u>0.3</u>		4.1517278
1-2						4.2110228
2-3						4.2110228
1 Aoman	142-09-02.1	+ 0.1	02.2	- 0.1	02.1	0.2121229
2 North Base	20-47-14.0	± 0.0	14.0	- 0.0	14.0	9.5501041
3 Engebi	17-03- <u>43.9</u>	± <u>0.0</u>	43.9	- <u>0.0</u>	43.9	9.4674744
1-3	<u>00.0</u>	+ <u>0.1</u>		- <u>0.1</u>		3.9732498
1-2						3.8906201

COMPUTATION OF TRIANGLES

COMPUTED BY L. S. H. CHECKED BY L. M. P. DATE March 7, 1950

STATION	OBSERVED ANGLE	CORR-N	SPHERICAL ANGLE	SPHERICAL EXCESS	PLANE ANGLE AND DISTANCE	LOGARITHM
2-3						4.1517262
1 Boga	48-56-03.7	-0.2	03.5	-0.1	03.4	0.1226537
2 Engebi	97-37-22.0	-0.2	21.8	-0.2	21.6	9.9961452
3 Coral	33-26- <u>35.3</u>	<u>-0.2</u>	35.1	<u>-0.1</u>	35.0	9.7412367
	01.0	-0.6		-0.4		
1-3						4.2705251
1-2						4.0156166
2-3						4.1517262
1 Teiteir	45-29-31.6	+0.7	32.3	-0.0	32.3	0.1468152
2 Engebi	120-21-30.3	+0.9	31.2	-0.1	31.1	9.9359497
3 Coral	14-08- <u>55.9</u>	<u>+0.8</u>	56.7	<u>-0.1</u>	56.6	9.3881817
	57.8	+2.4		-0.2		
1-3						4.2344911
1-2						3.6867231
2-3						4.2344911
1 Boga	66-38-35.3	-0.6	34.7	-0.1	34.6	0.0371327
2 Teiteir	94-03-47.5	-0.7	46.8	-0.1	46.7	9.9989072
3 Coral	19-17- <u>39.4</u>	<u>-0.6</u>	38.8	<u>-0.1</u>	38.7	9.5190623
	02.2	-1.9		-0.3		
1-3						4.2705310
1-2						3.7906861
2-3						4.0156166
1 Teiteir	139-33-19.1	+0.4	19.5	0.0	19.5	0.1879479
2 Engebi	22-44-08.3	+0.3	08.6	0.0	08.6	9.5871283
3 Boga	17-42- <u>31.6</u>	<u>+0.3</u>	31.9	<u>0.0</u>	31.9	9.4831312
	59.0	+1.0		0.0		
1-3						3.7906928
1-2						3.6866957

COMPUTATION OF TRIANGLES

COMPUTED BY L.S.H. CHECKED BY L.M.P. DATE March 8, 1950

STATION	OBSERVED ANGLE	CORR-M	SPHERICAL ANGLE	SPHERICAL EXCESS	PLANE ANGLE AND DISTANCE	LOGARITHM
2-3						3.8747533
1 Sand	38-53-14.2	+ 0.8	15.0	- 0.0	15.0	0.2021834
2 Coral	34-01-32.5	+ 0.8	33.3	- 0.0	33.3	9.7478528
3 North Base	107-05-10.9	+ 0.9	11.8	- 0.1	11.7	9.9803951
1-3	57.6	+ 2.5		- 0.1		3.8247895
1-2						4.0573318
2-3						4.0573318
1 Parry	39-44-35.3	- 0.6	34.7	- 0.1	34.6	0.1942652
2 Coral	35-01-13.8	- 0.6	13.2	- 0.1	13.1	9.7588110
3 Sand	103-14-13.1	- 0.7	12.4	- 0.1	12.3	9.9844590
1-3	02.2	- 1.9		- 0.3		4.0104080
1-2						4.2360560
2-3						3.8747533
1 Parry	25-42-13.5	+ 0.1	13.6	- 0.1	13.5	0.3627925
2 Coral	69-02-46.3	+ 0.1	46.4	- 0.1	46.3	9.9702860
3 North Base	85-15-00.3	+ 0.0	00.3	- 0.1	00.2	9.9985058
1-3	00.1	+ 0.2		- 0.3		4.2078318
1-2						4.2360516
2-3						4.2078318
1 Sand	144-07-27.3	+ 0.2	27.5	- 0.1	27.4	0.2320808
2 Parry	14-02-21.8	+ 0.1	21.9	- 0.0	21.9	9.3848717
3 North Base	21-50-10.6	+ 0.1	10.7	- 0.0	10.7	9.5704917
1-3	59.7	+ 0.4		- 0.1		3.8247843
1-2						4.0104043

COMPUTATION OF TRIANGLES

COMPUTED BY L.S.H. CHECKED BY L.M.P. DATE March 10, 1950

STATION	OBSERVED ANGLE	CORR-N	SPHERICAL ANGLE	SPHERICAL EXCESS	PLANE ANGLE AND DISTANCE	LOGARITHM
2-3						3.9984988
1 <i>Bokon</i>	62-59-24.7	+ 0.2	24.9	- 0.0	24.9	0.0501568
2 <i>Aoman</i>	86-53-44.1	+ 0.3	44.4	- 0.1	44.3	9.9993622
3 <i>Coral</i>	30-06- <u>50.7</u>	+ <u>0.1</u>	50.8	- <u>0.0</u>	50.8	9.7004647
1-3	<u>59.5</u>	+ <u>0.6</u>		- <u>0.1</u>		4.0480178
1-2						3.7491203
2-3						3.8747533
1 <i>Piiraqi</i>	66-55-40.3	+ 0.2	40.5	- 0.0	40.5	0.0362062
2 <i>North Base</i>	79-53-48.5	+ 0.3	48.8	- 0.1	48.7	9.9932129
3 <i>Coral</i>	33-10- <u>30.7</u>	+ <u>0.1</u>	30.8	- <u>0.0</u>	30.8	9.7381472
1-3	<u>59.5</u>	+ <u>0.6</u>		- <u>0.1</u>		3.9041724
1-2						3.6491067
2-3						3.6442259
1 <i>Islet</i>	48-33-58.9	0.0	58.9	0.0	58.9	0.1250993
2 <i>Pinnacle</i>	33-17-04.5	0.0	04.5	0.0	04.5	9.7394124
3 <i>Runit</i>	98-08- <u>56.6</u>	<u>0.0</u>	56.6	<u>0.0</u>	56.6	9.9955925
1-3	<u>00.0</u>	<u>0.0</u>		<u>0.0</u>		3.5087376
1-2						3.7649177
2-3						4.2360559
1 <i>Aniyaanii</i>	101-54-26.6	- 0.0	26.6	- 0.1	26.5	0.0094470
2 <i>Parry</i>	54-56-34.4	- 0.0	34.4	- 0.1	34.3	9.9130610
3 <i>Coral</i>	23-08- <u>59.2</u>	- <u>0.0</u>	59.2	- <u>0.0</u>	59.2	9.5945430
1-3	<u>00.2</u>	- <u>0.0</u>		- <u>0.2</u>		4.1585639
1-2						3.8400459

COMPUTATION OF TRIANGLES

COMPUTED BY L.S.H. CHECKED BY L.M.P. DATE March 11, 1950

STATION	OBSERVED ANGLE	CORR-N	SPHERICAL ANGLE	SPHERICAL EXCESS	PLANE ANGLE AND DISTANCE	LOGARITHM
2-3						4.2360560
1 Eniwetok	47-43-42.2	+ 0.6	42.8	-1.0	42.7	0.1307881
2 Coral	14-59-39.5	+ 0.5	40.0	-0.0	39.9	9.4128382
3 Parry	117-16-37.4	+ 0.1	37.5	-1.0	37.4	9.9488044
1-3	59.1	+ 1.2		-2.0		3.7796823
1-2						4.3156485
2-3						
1						
2						
3						
1-3						
1-2						
2-3						
1						
2						
3						
1-3						
1-2						
2-3						
1						
2						
3						
1-3						
1-2						

COMPUTATION OF TRIANGLES

COMPUTED BY L. S. H. CHECKED BY L. M. P. DATE March 11, 1950

STATION	OBSERVED ANGLE	CORR-N	SPHERICAL ANGLE	SPHERICAL EXCESS	PLANE ANGLE AND DISTANCE	LOGARITHM
2-3						3.9732498
1 Photo	46-12-03.1	- 0.9	02.2	- 0.1	02.1	0.1416029
2 Engebi	61-31-01.2	+ 0.1	01.3	- 0.1	01.2	9.9439685
3 Aoman	72-16-55.7	+ 1.1	56.8	- 0.1	56.7	9.9788961
1-3	00.0	+ 0.3		- 0.3		4.0588211
1-2						4.0937487
2-3						4.0156166
1 Photo	43-39-32.7	+ 1.1	33.8	- 0.1	33.7	0.1609184
2 Boga	55-44-07.7	- 0.9	06.8	- 0.1	06.7	9.9172136
3 Engebi	80-36-19.6	+ 0.1	19.7	- 0.1	19.6	9.9941357
1-3	00.0	+ 0.3		- 0.3		4.0937486
1-2						4.1706707
2-3						
1						
2						
3						
1-3						
1-2						
2-3						
1						
2						
3						
1-3						
1-2						

Photo

Photo

TRIANGLE SIDE CHECKS

		<u>a</u>	<u>b</u>
<i>Quad. A</i>	<i>Coral-North Base</i>	0.0000028	0.0000298
	<i>Coral-Pinnacle</i>	0.0000010	0.0000298
	<i>Pinnacle - Runit</i>	0.0000039	0.0000298
<i>Quad. B</i>	<i>Aoman - Engebi</i>	0.0000001	0.0000242
	<i>Aoman - North Base</i>	0.0000036	0.0000274
	<i>Engebi - Coral</i>	0.0000014	0.0000162
<i>Quad. C</i>	<i>Boga - Coral</i>	0.0000060	0.0000162
	<i>Boga - Teiteir</i>	0.0000067	0.0000240
	<i>Teiteir - Engebi</i>	0.0000274	0.0000334
<i>Quad. D</i>	<i>Sand - North Base</i>	0.0000052	0.0000337
	<i>Sand - Parry</i>	0.0000037	0.0000210
	<i>Parry - Coral</i>	0.0000044	0.0000175

a = Actual difference in logarithms of length of a side.

b = Allowable maximum - four times the tabular difference corresponding to one second in the logarithm of the Sine of the smallest angle entering into the computation of that side.

HOLMES & NARVER ENGINEERS JOB NO 640

POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 North Base to 3 Sand	327	56	52.40	α	3 Sand to 2 North Base	147	57	15.78
$2^d \angle$	B	+107	05	20.48	$3^d \angle$	B	-38	53	11.73
α	2 North Base to 1 Coral	75	02	12.88	α	3 Sand to 1 Coral	109	04	04.05
$\Delta \alpha$			-00	47.84	$\Delta \alpha$			-01	11.10
		180	00	00.00			180	00	00.00
α'	1 Coral to 2 North Base	255	01	25.04	α'	1 Coral to 3 Sand	289	02	52.95

FIRST ANGLE OF TRIANGLE

ϕ	11	33	23.265	2 North Base	λ	162	21	09.890	ϕ	11	30	10.981	3 Sand	λ	162	23	06.873
$\Delta \phi$		-1	03.010		$\Delta \lambda$		-3	58.959	$\Delta \phi$		+2	01.274		$\Delta \lambda$		-5	55.942
ϕ'	11	32	20.255	1 Coral	λ'	162	17	10.931	ϕ'	11	32	20.255	1 Coral	λ'	162	17	10.931

Logarithms		Values in seconds		Logarithms		Values in seconds		Logarithms		Values in seconds			
s	3.8747701			$\frac{1}{2}(\phi + \phi')$	11-32-51.760	s	4.0573516			$\frac{1}{2}(\phi + \phi')$	11-31-19.618		
Cos α	9.4119507					Cos α	9.5141314						
B	8.5124992			s	3.8747701	B	8.5125007			s	4.0573516		
h	1.7992200	1st term	+62.9825	Sin α	9.9850186	h	2.0899837	1st term	-121.3342	Sin α	9.9754928		
s^2	7.7495402			A'	8.5096676	s^2	8.1147032			A'	8.5096677		
Sin ² α	9.9700372			Sec ϕ	0.0088675	Sin ² α	9.9509856			Sec ϕ	0.0088675		
C	0.7173600			$\Delta \lambda$	2.9783238	-238.9592	C	0.7153800			$\Delta \lambda$	2.5513796	-355.9444
	8.4369374	2d term	+ 0.0274	Sin $\frac{1}{2}(\phi + \phi')$	9.3014290			2d term	+ 0.0604	Sin $\frac{1}{2}(\phi + \phi')$	9.3004785		
h^2	3.5984400			$-\Delta \alpha$	1.6797528	+47.836	h^2	4.1679674			$-\Delta \alpha$	1.8518581	+71.098
D	1.9850000						D	1.9833000					
	5.5834400	3d term	+ 0.0000					5.5834400	3d term	+ 0.0001			
		$-\Delta \phi$	+63.0099						$-\Delta \phi$	-121.2737			

Check computation of Task Force Seven Survey

HOLMES & NARVER ENGINEERS JOB NO 640

POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Coral	to 3 North Base	255	01	25.04	α	3 North Base	to 2 Coral	75	02	12.88
$\Delta\alpha$		B	+ 15	48	09.52	$3\Delta\alpha$		B	-112	14	55.77
α	2 Coral	to 1 Runit	270	49	34.56	α	3 North Base	to 1 Runit	322	47	17.11
$\Delta\alpha$			+ 0	58.14	$\Delta\alpha$				+ 0	10.36	
			180	00	00.00				180	00	00.00
α'	1 Runit	to 2 Coral	90	50	32.70	α'	1 Runit	to 3 North Base	142	47	27.47
											6

FIRST ANGLE OF TRIANGLE

ϕ	11	32	20.255	2 Coral	λ	162	17	10.931	ϕ	11	33	23.265	3 North Base	λ	162	21	09.890						
$\Delta\phi$			- 0	04.175	$\Delta\lambda$			+ 4	50.690	$\Delta\phi$			- 1	07.185	$\Delta\lambda$		+ 0	51.731					
ϕ'	11	32	16.080	1 Runit	λ'	162	22	01.621	ϕ'	11	32	16.080	1 Runit	λ'	162	22	01.621						
Logarithms	Values in seconds				Logarithms	Values in seconds				Logarithms	Values in seconds				Logarithms	Values in seconds							
	3.9449421	$\frac{1}{2}(\phi+\phi')$ 11-32-18.17				s	3.4136298	$\frac{1}{2}(\phi+\phi')$ 11-32-49.67					3.4136298	$\frac{1}{2}(\phi+\phi')$ 11-32-49.67									
$\cos \alpha$	8.1589826	Logarithms				Values in seconds	$\cos \alpha$	9.9011336	Logarithms				Values in seconds	$\cos \alpha$	9.7815864	Logarithms				Values in seconds			
	8.5124997	s				3.9449421	B	8.5124992	s				3.4136298		8.5124992	s				3.4136298			
	0.6164244	1st term +4.1345				$\sin \alpha$	9.9999548	h				1.8272626	1st term +67.1835				$\sin \alpha$	9.7815864	h				1.8272626
	7.88988	A'				8.5096677	s'				6.82726	A'				8.5096676	s'				6.82726		
	9.99991	Sec ϕ'				0.0088657	in ² α				9.56317	Sec ϕ'				0.0088660	in ² α				9.56317		
	0.71669	$\Delta\lambda$				2.4634303 + 290.6900	C				0.71800	$\Delta\lambda$				1.7137498 + 51.7309	C				0.71800		
	8.60648	2d term + 0.0404				$\sin \frac{1}{2}(\phi+\phi')$	9.3010828	2d term + 0.0013				$\sin \frac{1}{2}(\phi+\phi')$	9.3014075	2d term + 0.0013				$\sin \frac{1}{2}(\phi+\phi')$	9.3014075	2d term + 0.0013			
	1.23285	$-\Delta\alpha$				1.7645131 - 58.145	L				1.98510	$-\Delta\alpha$				1.0151573 - 10.355	L				1.98510		
	1.98450	3d term + 0.0000					3d term + 0.0000					3d term + 0.0000					3d term + 0.0000						
	3.21735	$-\Delta\phi$				+ 4.1749	$\Delta\phi$				+ 67.1848	$-\Delta\phi$				+ 4.1749	$\Delta\phi$				+ 67.1848		

Check computation of Task Force Seven Survey

GEOGRAPHIC POSITION COMPUTATIONS

HOLMES & NARVER ENGINEERS JOB NO 640

POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Runit	to 3 Coral	90	50	32.7	α	3	to 2			
$2^d \angle$		B	+51	57	03.4	$3^d \angle$		B	-		
α	2 Runit	to 1 North Base	142	47	36.1	α	3	to 1			
$\Delta \alpha$					10.4	$\Delta \alpha$					
			180	00	00.0				180	00	00.0
α	1 North Base	to 2 Runit	322	47	25.7	α	1	to 3			

FIRST ANGLE OF TRIANGLE

ϕ	11 32	16.080	2 Runit	λ	162	22	01.621	ϕ			3	λ		
$\Delta \phi$		+1	07.187	$\Delta \lambda$			-51.728	$\Delta \phi$				$\Delta \lambda$		
ϕ'	11 33	23.267	North Base	λ'	162	21	09.893	ϕ'			1	λ'		

Logarithms		Values in seconds		$\frac{1}{2}(\phi + \phi')$		Logarithms		Values in seconds		$\frac{1}{2}(\phi + \phi')$		Logarithms		Values in seconds	
s	3.4136308			11°-32'	-49.675	s				11°-33'	-09.893	s			
Cos α	9.9011639					Cos α						Cos α			
B	8.5125002					B						B			
h	1.8272949	1st term	-67.1885	Sin α	9.7815338	h		1st term				Sin α			
g^2	6.82726			A'	8.5096678	g^2						A'			
Sin ² α	9.56307			Sec ϕ'	0.0088946	Sin ² α						Sec ϕ'			
C	0.71656			$\Delta \lambda$	1.7137270	-51.728	C					$\Delta \lambda$			
	7.10689	2d term	+ .0013	Sin ² $(\phi + \phi')$	9.3014076			2d term	+			Sin ² $(\phi + \phi')$			
n^2	3.6546			$-\Delta \alpha$	1.0151043	+10.355	n^2					$-\Delta \alpha$			
D	1.9845						D								
	5.6391	3d term	+ .0000					3d term	+						
		$-\Delta \phi$	-67.1872					$-\Delta \phi$							

HOLMES & NARVER ENGINEERS JOB NO 640

POSITION COMPUTATION

SECOND ORDER TRIANGULATION

α	2 North Base to 3 Runit	322	47	25.7	α	3 Runit to 2 North Base	142	47	36.1
$\Delta \alpha$	B	+ 72	38	25.7	$\Delta \alpha$	B	- 79	13	01.3
α	1 North Base to 1 Pinnacle	35	25	51.4	α	3 Runit to 1 Pinnacle	69	34	34.8
$\Delta \alpha$			-	16.9	$\Delta \alpha$			-	27.3
α	1 Pinnacle to 2 North Base	180	00	00.0	α	1 Pinnacle to 3 Runit	180	00	00.0
		215	25	34.5			249	34	07.5

FIRST ANGLE OF TRIANGLE 34 - 08 - 33.0

ϕ	11 33 23.267 North Base	λ	162	21	09.893	ϕ	11 32 16.080 3 Runit	λ	162	22	01.621
$\Delta \phi$	- 1 57.257	$\Delta \lambda$		- 1	24.586	$\Delta \phi$	- 0 50.070	$\Delta \lambda$		- 2	16.314
ϕ'	11 31 26.010 Pinnacle	λ'	162	19	45.307	ϕ'	11 31 26.010 Pinnacle	λ'	162	19	45.307
Logarithms	values in seconds					Logarithms	Values in seconds				
	3.6455679	$\frac{1}{2}(\phi + \phi')$	11 - 32 - 29.638				3.6442259	$\frac{1}{2}(\phi + \phi')$	11 - 31 - 51.045		
$\cos \alpha$	9.9110599	Logarithms	values in seconds			$\cos \alpha$	9.5427746	Logarithms	values in seconds		
B	8.5124992	+s	3.6455679			B	8.5124998	s	3.6442259		
h	2.0691270	1st term +117.2538	$\sin \alpha$	9.7632192		h	1.6995003	1st term +50.0611	$\sin \alpha$	9.9718035	
s^2	7.29114		A'	8.5096676		s^2	7.28845		A'	8.5096678	
$\sin^2 \alpha$	9.52644		Sec ϕ'	0.0088442		$\sin^2 \alpha$	9.94361		Sec ϕ	0.0088442	
C	0.71736		$\Delta \lambda$	1.9272989 - 84.586		C	0.71664		$\Delta \lambda$	2.1345414 - 136.314	
	7.53494	2d term + .0034	$\sin \frac{1}{2}(\phi + \phi')$	9.3005820			7.94860	2d term + .0089	$\sin \frac{1}{2}(\phi + \phi')$	9.3008029	
h^2	4.1382		$-\Delta \alpha$	1.2278809 + 16.900		h^2	3.3990		$-\Delta \alpha$	1.4353443 + 27.258	
D	1.9847					D	1.9845				
	6.1229	3d term + .0001					5.3835	3d term + .0000			
		$-\Delta \phi$						$-\Delta \phi$			
		+117.2573						+50.0700			

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POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 North Base to 3 Pinnacle	$35^\circ 25'$	75.4	α	3 Pinnacle to 2 North Base	$215^\circ 25'$	34.5		
$\Delta \alpha$	B	$+39$	36	16.3	$\Delta \alpha$	B	-105	49	36.9
α	2 North Base to 1 Coral	$75^\circ 02'$	07.9	α	3 Pinnacle to 1 Coral	$109^\circ 36'$	57.6		
$\Delta \alpha$			-47.8	$\Delta \alpha$			-30.8		
α	1 Coral to 2 North Base	$180^\circ 00'$	00.0	α	1 Coral to 3 Pinnacle	$180^\circ 00'$	00.0		
		$255^\circ 01'$	20.1			$289^\circ 36'$	26.8		

FIRST ANGLE OF TRIANGLE 94-35-06.7

ϕ	11 33 23.267	2 North Base	λ	162 21 09.893	ϕ	11 31 26.010	3 Pinnacle	λ	162 19 45.307
$\Delta \phi$	-1 03.013		$\Delta \lambda$	-3 58.949	$\Delta \phi$	+54.244		$\Delta \lambda$	-2 34.363
ϕ	11 32 20.254	1 Coral	λ	162 17 10.944	ϕ	11 32 20.254	1 Coral	λ	162 17 10.944

Logarithms		Values in seconds		$\frac{1}{2}(\phi + \phi')$		Logarithms		Values in seconds		$\frac{1}{2}(\phi + \phi')$			
s	3.8747533			11-32-31.720		s	3.6959722			11-31-23.132			
Cos α	9.4119899					Cos α	9.5259702						
B	8.5124996					B	8.5125006						
h	1.7992428	1st term	+62.9858	Sin α	9.9850158	h	1.7344430	1st term	-54.2555	Sin α	9.9740342		
s^2	7.74951			A	8.5096676	s^2	7.39194			A	8.5096679		
$\text{Sin}^2 \alpha$	9.97003			Sec ϕ'	0.0088685	$\text{Sin}^2 \alpha$	9.94807			Sec ϕ'	0.0088685		
C	0.71736			$\Delta \lambda$	2.3783052	-238.949	C	0.71610		$\Delta \lambda$	2.1885428	-154.363	
	8.43690	2d term	+ .0273	$\text{Sin}^2(\phi + \phi')$	9.3014290			8.05611	2d term	+ .0114	$\text{Sin}^2(\phi + \phi')$	9.3005148	
n^2	3.5985			$-\Delta \alpha$	1.6797342	+47.834	n^2	3.4689			$-\Delta \alpha$	1.4890576	+30.765
D	1.9851						D	1.9839					
	5.5836	3d term	+ .0000					5.4528	3d term	+ .0000			
		$-\Delta \phi$	+63.0126						$-\Delta \phi$	-54.2441			

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POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 North Base to 3 Coral	$75^{\circ} 02' 07.9''$	α	3 Coral to 2 North Base	$255^{\circ} 01' 20.1''$
$2^d \Delta$	B	$+ 81' 28'' 05.9''$	$3^d \Delta$	B	$- 50' 28'' 50.3''$
α	2 North Base to 1 Aoman	$156^{\circ} 30' 13.8''$	α	3 Coral to 1 Aoman	$204^{\circ} 32' 29.8''$
$\Delta \alpha$		$- 20.6''$	$\Delta \alpha$		$+ 27.4''$
		$180^{\circ} 00' 00.0''$			$180^{\circ} 00' 00.0''$
α'	1 Aoman to 2 North Base	$336^{\circ} 29' 53.8''$	α'	1 Aoman to 3 Coral	$24^{\circ} 32' 57.2''$

FIRST ANGLE OF TRIANGLE 48-03-03.9

ϕ	11 33 23.267	2 North Base	λ	162 21 09.893	ϕ	11 32 20.254	3 Coral	λ	162 17 10.944
$\Delta \phi$	$+ 3' 52.015''$		$\Delta \lambda$	$- 1' 42.309''$	$\Delta \phi$	$+ 4' 55.028''$		$\Delta \lambda$	$+ 2' 16.641''$
ϕ'	11 37 15.282	1 Aoman	λ'	162 19 27.584	ϕ'	11 37 15.282	1 Aoman	λ'	162 19 27.584

Logarithms		Values in seconds		$\frac{1}{2}(\phi + \phi')$		Logarithms		Values in seconds					
s	3.8906165			11-35-19.275		s	3.9984988		$\frac{1}{2}(\phi + \phi')$ 11-34-47.768				
Cos α	9.9624104				Logarithms	Values in seconds	Cos α	9.9588790		Logarithms	Values in seconds		
B	8.5124992			s	3.8906165		B	8.5124997		s	3.9984988		
h	2.3655261	1st term	-232.0204	Sin α	9.6006329		h	2.4698775	1st term	-295.0377	Sin α	9.6184184	
s^2	7.78123			A	8.5096676		s^2	7.99700			A	8.5096678	
Sin ² α	9.20127			Sec ϕ'	0.0089948		Sin ² α	9.23684			Sec ϕ'	0.0089948	
C	0.71736			$\Delta \lambda$	2.0099118	-102.3085	C	0.71669			$\Delta \lambda$	2.1355798	+136.6409
	7.69986	2d term	+ .0050	Sin $\frac{1}{2}(\phi + \phi')$	9.3029465			7.95053	2d term	+ .0089	Sin $\frac{1}{2}(\phi + \phi')$	9.3026229	
n^2	4.7311			$-\Delta \alpha$	1.3128583	+ 20.552	n^2	4.9398			$-\Delta \alpha$	1.4382027	- 27.429
D	1.9851						D	1.9845					
	6.7162	3d term	+ .0005					6.9243	3d term	+ .0008			
		$-\Delta \phi$	-232.0149						$-\Delta \phi$	-295.0280			

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POSITION COMPUTATION

SECOND ORDER TRIANGULATION

α	2 Aoman	to 3 Coral	24	32	57.2	α	3 Coral	to 2 Aoman	204	32	29.8
$\Delta\alpha$		B	+ 94	05	59.1	$\Delta\alpha$		B	- 41	24	01.9
α	1 Aoman	to 1 Engebi	118	38	56.3	α	3 Coral	to 1 Engebi	163	08	27.9
$\Delta\alpha$					- 55.0	$\Delta\alpha$					- 27.3
α'	1 Engebi	to 2 Aoman	298	38	01.3	α'	1 Engebi	to 3 Coral	343	08	00.5

FIRST ANGLE OF TRIANGLE: 44 - 29 - 59.2

ϕ	11	37	15.282	2 Aoman	λ	162	19	27.584	ϕ	11	32	20.254	3 Coral	λ	162	17	10.944		
$\Delta\phi$		+ 2	26.682		$\Delta\lambda$		- 4	32.432	$\Delta\phi$		+ 7	21.710		$\Delta\lambda$		- 2	15.792		
ϕ'	11	39	41.964	Engebi	λ'	162	14	55.152	ϕ'	11	39	41.964	Engebi	λ'	162	14	55.152		
Logarithms				Values in seconds				$\frac{1}{2}(\phi+\phi')$				Logarithms				Values in seconds			
3.9732497								11 - 38 - 28.623				4.1517262							
9.6807361								Logarithms				9.9809219				Logarithms			
8.5124972								Values in seconds				8.5124997				Values in seconds			
2.1664830				1st term -146.7179				3.9732497				2.6451478				1st term -441.7207			
7.94650								Sin α				8.30345				Sin α			
9.88657								9.9432835				8.92484				9.4624220			
0.71984								A'				8.30345				8.5096678			
8.55291				2d term + .0357				0.0090584				8.92484				0.0090584			
4.3330								2.4352585				0.71669				2.1328744			
1.9875								-272.4322				7.94498				-135.7921			
6.3205				3d term + .0002				9.3048860				7.94498				9.3033758			
				- $\Delta\phi$				1.7401445				5.2903				1.4362502			
				-146.6820				+ 54.972				1.9845				+ 27.306			
												7.2748				3d term + .0019			
																- $\Delta\phi$			
																-441.7100			

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POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Engebi	to 3 Coral	343	08	00.5	α	3 Coral	to 2 Engebi	163	08	27.9
$\Delta \alpha$		B	+ 97	37	21.8	$\Delta \alpha$		B	- 33	26	35.1
α	2 Engebi	to 1 Boga	80	45	22.3	α	3 Coral	to 1 Boga	129	41	52.8
$\Delta \alpha$				- 1	08.2	$\Delta \alpha$				- 1	35.2
α	1 Boga	to 2 Engebi	180	00	00.0	α	1 Boga	to 3 Coral	180	00	00.0
			260	44	14.1				309	40	17.6

FIRST ANGLE OF TRIANGLE 48-56-03.5

β	11	39	41.964	2 Engebi	λ	162	14	55.152	ϕ	11	32	20.254	3 Coral	λ	162	17	10.944
$\Delta \phi$			- 54.250		$\Delta \lambda$		- 5	37.786	$\Delta \phi$			+ 6	27.461	$\Delta \lambda$		- 7	53.579
ϕ	11	38	47.712	1 Boga	λ	162	09	17.366	ϕ	11	38	47.715	1 Boga	λ	162	09	17.365

Logarithms		Values in seconds		$\frac{1}{2}(\phi + \phi')$		Logarithms		Values in seconds		$\frac{1}{2}(\phi + \phi')$			
s	4.0156166			11 - 39 - 14.840		s	4.2705251			11 - 35 - 33.984			
cos α	9.2058438				Logarithms		9.8053248				Logarithms		
B	8.5124960			s	4.0156166		B	8.5124997			s	4.2705251	
h	1.7339564	1st term	+ 54.1948	Sin α	9.9943231		h	2.5883496	1st term	- 387.5695	Sin α	9.8861645	
α^2	8.03123			A'	8.5096665		α^2	8.54105			A'	8.5096678	
Sin α^2	9.98865			Sec ϕ	0.0090348		Sin α^2	9.77233			Sec ϕ	0.0090348	
C	0.72139			$\Delta \lambda$	2.5286410	- 337.7855	C	0.71668			$\Delta \lambda$	2.6753922	- 473.5786
h^2	8.74127	2d term	+ .0551	Sin $\frac{1}{2}(\phi + \phi')$	9.3053581		h^2	9.03007	2d term	+ .1072	Sin $\frac{1}{2}(\phi + \phi')$	9.3030975	
h^2	3.4679			$-\Delta \alpha$	1.8339991	+ 68.233	h^2	5.1767			$-\Delta \alpha$	1.9784897	+ 95.168
D	1.9888						D	1.9845					
	5.4567	3d term	+ .0000					7.1612	3d term	+ .0016			
		$-\Delta \phi$	+ 54.2499						$-\Delta \phi$	- 387.4607			

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POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Coral	to 3 North Base	255	01	20.1	α	3 North Base	to 2 Coral	75	02	07.9
$2^d \Delta$		B	+ 34	01	33.3	$3^d \Delta$		B	-107	05	11.8
α	2 Coral	to 1 Sand	289	02	53.4	α	3 North Base	to 1 Sand	327	56	56.1
$\Delta \alpha$				+ 1	11.1	$\Delta \alpha$				+ 23.4	
			180	00	00.0				180	00	00.0
α'	1 Sand	to 2 Coral	109	04	04.5	α'	1 Sand	to 3 North Base	147	57	19.5

FIRST ANGLE OF TRIANGLE 38-53-15.0

ϕ	11 32	20.254	2 Coral	λ	162	17	10.944	ϕ	11 33	23.267	3 North Base	λ	162	21	09.893
$\Delta \phi$		- 2	01.269	$\Delta \lambda$		+ 5	55.926	$\Delta \phi$		- 3	04.282	$\Delta \lambda$		+ 1	56.977
ϕ'	11 30	18.985	1 Sand	λ'	162	23	06.870	ϕ'	11 30	18.985	1 Sand	λ'	162	23	06.870
Logarithms	Values in seconds			Logarithms	Values in seconds			Logarithms	Values in seconds			Logarithms	Values in seconds		
s	4.0573318	$\frac{1}{2}(\phi + \phi')$		11 - 31 - 19.620	s	3.8247895	$\frac{1}{2}(\phi + \phi')$		11 - 31 - 51.126	s	3.8247895	$\frac{1}{2}(\phi + \phi')$		11 - 31 - 51.126	
$\cos \alpha$	9.5137013	Logarithms		Values in seconds	$\cos \alpha$	9.9281783	Logarithms		Values in seconds	$\cos \alpha$	9.9281783	Logarithms		Values in seconds	
B	8.5124997	s		4.0573318	B	8.5124992	s		4.0573318	B	8.5124992	s		4.0573318	
h	2.0835328	1st term	+121.2084	$\sin \alpha$	9.9755442	h	2.2654670	1st term	+184.2753	$\sin \alpha$	9.7248287	1st term		+184.2753	
g^2	8.11466	A'		8.5096677	g^2	7.64958	A'		8.5096676	g^2	7.64958	A'		8.5096676	
$\sin^2 \alpha$	9.95109	Sec ϕ'		0.0088155	$\sin^2 \alpha$	9.44966	Sec ϕ'		0.0088155	$\sin^2 \alpha$	9.44966	Sec ϕ'		0.0088155	
C	0.71669	$\Delta \lambda$		2.5513592	+355.9256	C	0.71733	$\Delta \lambda$		2.0681013	+116.9772	$\Delta \lambda$		2.0681013	
	8.78244	2d term	+ .0606	$\sin \frac{1}{2}(\phi + \phi')$	9.3004785		7.81657	2d term	+ .0066	$\sin \frac{1}{2}(\phi + \phi')$	9.3008037	2d term		+ .0066	
h^2	4.1671	$-\Delta \alpha$		1.8518377	-71.095	h^2	4.5309	$-\Delta \alpha$		1.3689050	-23.383	$-\Delta \alpha$		1.3689050	
D	1.9845					D	1.9851								
	6.1516	3d term	+ .0001				6.5160	3d term	+ .0003			3d term	+ .0003		
		$-\Delta \phi$	+121.2691					$-\Delta \phi$	+184.2822			$-\Delta \phi$	+184.2822		

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POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Coral	10 3 Sand	289	02	53.4	α	3 Sand	10 2 Coral	109	04	04.5
$2^d \alpha$		B	+ 35	01	13.2	$3^d \alpha$		B	-105	14	12.4
α	2 Coral	10 1 Parry	324	04	06.8	α	3 Sand	10 1 Parry	3	49	52.1
$\Delta \alpha$				+1	04.3	$\Delta \alpha$				-	04.5
			180	00	00.0				180	00	00.0
α'	1 Parry	10 2 Coral	144	05	13.0	α	1 Parry	10 3 Sand	183	49	47.6

FIRST ANGLE OF TRIANGLE 39 - 44 - 34.6

ϕ	11	32	20.254	2 Coral	λ	162	17	10.944	ϕ	11	30	18.985	3 Sand	λ	162	23	06.870
$\Delta \phi$		-7	33.882		$\Delta \lambda$		-5	33.350	$\Delta \phi$		-5	32.613		$\Delta \lambda$		-	22.575
ϕ'	11	24	46.372	1 Parry	λ'	162	22	44.294	ϕ'	11	24	46.372	1 Parry	λ'	162	22	44.295

Logarithms		Values in seconds		Logarithms		Values in seconds	
s	4.2360560	$\frac{1}{2}(\phi + \phi')$ 11 - 28 - 33.513		s	4.0104080	$\frac{1}{2}(\phi + \phi')$ 11 - 27 - 32.678	
Cos α	9.9083344	Logarithms		Cos α	9.9990284	Logarithms	
B	8.5124997	Values in seconds		B	8.5125007	Values in seconds	
h	2.6568901	1st term	+ 453.8267	h	2.5219371	1st term	+ 332.6114
s^2	8.47211	Sin α	9.7685032	s^2	8.02082	Sin α	8.8248816
Sin ² α	9.53701	A	8.5096677	Sin ² α	7.64976	A	8.5096681
C	0.71669	Sec ϕ	0.0086735	C	0.71538	Sec ϕ	0.0086735
	8.72581	$\Delta \lambda$	2.5229009 - 333.3503		6.38596	$\Delta \lambda$	1.3536312 - 22.5752
h^2	5.3138	Sin $\frac{1}{2}(\phi + \phi')$	9.2987573	h^2	5.0439	Sin $\frac{1}{2}(\phi + \phi')$	9.2981279
D	1.9845	$-\Delta \alpha$	1.8216582 - 66.322	D	1.9832	$-\Delta \alpha$	0.6517591 + 4.485
	7.2983	2d term	+ .0532		7.0271	2d term	+ .0002
		3d term	+ .0020			3d term	+ .0011
		$-\Delta \phi$	+ 453.8819			$-\Delta \phi$	+ 332.6127

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POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Parry	to 3 Coral	144	05	13.0	α	3 Coral	to 2 Parry	324	08	06.6						
β		B	+54	56	34.4	β		B	-29	08	59.2						
α	2 Parry	to 1 Aniyaanii	199	01	47.4	α	3 Coral	to 1 Aniyaanii	300	55	07.4						
$\Delta\alpha$					14.8	$\Delta\alpha$					21.3						
			180	00	00.0				180	00	00.0						
α	1 Aniyaanii	to 2 Parry	19	02	02.2	α	1 Aniyaanii	to 3 Coral	120	56	28.7						
FIRST ANGLE OF TRIANGLE 101-54-26.6																	
λ	11	24	46.372	2 Parry	λ	162	22	44.294	λ	11	32	20.254	3 Coral	λ	162	17	10.944
$\Delta\phi$		+3	32.800		$\Delta\lambda$		+1	14.435	$\Delta\phi$		-4	01.082		$\Delta\lambda$		+6	47.785
ϕ	11	28	19.252	Aniyaanii	λ	162	23	58.729	ϕ	11	28	19.252	Aniyaanii	λ	162	23	58.729
Logarithms				Values in seconds				Logarithms				Values in seconds					
s	3.8400459			$\frac{1}{2}(\phi+\phi')$ 11-26-32.812				4.1585639			$\frac{1}{2}(\phi+\phi')$ 11-30-19.758						
Cos α	9.9755921			Logarithms				9.7108125			Logarithms						
B	8.5125035			s 3.8400459				8.5124997			s 4.1585639						
h	2.3281415	1st term	-212.8832	Sin α 9.5132981				2.3818759			1st term	+240.9217	Sin α 9.9334352				
β^2	7.68009			A 8.5096690				8.31713			A 8.5096677						
Sin ² α	9.02655			Sec ϕ 0.0087642				9.86687			Sec ϕ 0.0087642						
C	0.71179			$\Delta\lambda$ 18717772 +74.4350				0.71669			$\Delta\lambda$ 2.6104310 +407.784						
	7.41843	2d term	+ .0026	Sin $\frac{1}{2}(\phi+\phi')$ 9.2975056				8.90069			2d term	+ .0796	Sin $\frac{1}{2}(\phi+\phi')$ 9.2998596				
h ²	4.6563			- $\Delta\alpha$ 1.1692828 -14.767				4.7638			- $\Delta\alpha$ 1.9102907 -81.338						
D	1.9800							1.9845									
	6.6363	3d term	+ .0004					6.7483			3d term	+ .0006					
		- $\Delta\phi$	-212.8802								- $\Delta\phi$	+241.0019					

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POSITION COMPUTATION SECOND ORDER TRIANGULATION

2 Coral	to 3 Parry	324	04	06.6	2 Parry	to 2 Coral	144	05	13.0
	B	14	50	40.4		B	-117	16	37.5
2 Coral	to 1 Eniwetok	339	03	40.6	3 Parry	to 1 Eniwetok	26	48	35.5
				48.4					-17.7
		180	00	00.0			180	00	00.0
1 Eniwetok	to 2 Coral	159	04	35.0	1 Eniwetok	to 3 Parry	206	48	17.8

FIRST ANGLE OF TRIANGLE 47-43-42.8

ϕ	11	32	20.254	2 Coral	λ	162	17	10.944	ϕ	11	24	46.312	3 Parry	λ	162	22	44.294
$\Delta\phi$		-10	28.789		$\Delta\lambda$		+4	03.781	$\Delta\phi$		-2	54.907		$\Delta\lambda$		-1	29.569
ϕ'	11	21	51.465	1 Eniwetok	λ'	162	21	14.725	ϕ'	11	21	51.465	1 Eniwetok	λ'	162	21	14.725

Logarithms				Values in seconds				Logarithms				Values in seconds			
s	4.3156485			$\frac{1}{2}(\phi+\phi')$	11	27	-05.860	s	3.7796823			$\frac{1}{2}(\phi+\phi')$	11	23	-18.919
cos α	9.9703346			Logarithms			Values in seconds	cos α	9.9703346			Logarithms			Values in seconds
B	8.5124997			s	4.3156485			B	8.5124997			s	3.7796823		
h	2.7984828	1st term	+628.7570	sin α	9.5530842			h	2.2227980	1st term	+174.9033	sin α	9.6542065		
s ²	8.63130			A	8.5096677			s ²	7.55232			A	8.5096690		
sin ² α	9.10617			Sec ϕ	0.0085993			sin ² α	9.30844			Sec ϕ	0.0085993		
C	0.71669			$\Delta\lambda$	2.3869997	+243.7810		C	0.71179			$\Delta\lambda$	1.9521571	-89.5689	
	8.45416	2d term	+ .0286	sin $\frac{1}{2}(\phi+\phi')$	9.2978492				7.57959	2d term	+ .0038	sin $\frac{1}{2}(\phi+\phi')$	9.2954837		
h ²	5.5970			$-\Delta\alpha$	1.6848489	-48.400		h ²	4.4856			$-\Delta\alpha$	1.2476408	+17.686	
D	1.9845							D	1.9800						
	7.5815	3d term	+ .0038						6.4656	3d term	+ .0003				
		$-\Delta\phi$	+628.7894							$-\Delta\phi$	+174.9074				

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POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Pinnacle to 3 Runit	249	34	07.9	β	3 Runit to 2 Pinnacle	69	34	34.8
$\Delta \alpha$		+ 33	17	04.5	$\Delta \beta$		- 08	08	56.6
α	2 Pinnacle to 1 Islet	282	50	12.0	α	3 Runit to 1 Islet	331	25	38.2
$\Delta \alpha$				37.4	$\Delta \alpha$				10.2
α	1 Islet to 2 Pinnacle	180	00	00.0	α	1 Islet to 3 Runit	180	00	00.0
$\Delta \alpha$		102	51	49.4	$\Delta \alpha$		151	25	48.2

FIRST ANGLE OF TRIANGLE $48 + 33 = 81$

ϕ	11 31 26.010	2 Pinnacle	λ	162	19	47.307	ϕ	11 32 16.080	3 Runit	λ	162	22	01.621
$\Delta \phi$	-	42.154	$\Delta \lambda$			11.7237	$\Delta \phi$	-	92.224	$\Delta \lambda$			+ 50.922
ϕ	11 30 43.856	1 Islet	λ	162	22	52.544	ϕ	11 30 43.856	1 Islet	λ	162	22	52.544

	Logarithms	Values in seconds		Logarithms	Values in seconds		Logarithms	Values in seconds			
s	3.7649177		$\frac{1}{2}(\phi + \phi')$	11 - 31 - 04.953		s	3.5087376	$\frac{1}{2}(\phi + \phi')$	11 - 31 - 29.968		
$\cos \alpha$	9.3472400		$\log s$	3.7649177		$\cos \alpha$	9.665987	$\log s$	3.5087376		
B	8.5125002		$\sin \alpha$	9.9209731		B	8.5124998	$\sin \alpha$	9.6796766		
h	1.6246623	1st term + 02.1369	A	8.5096679		h	1.5648361	1st term + 92.2224	A	8.5096677	
s^2	7.52984		$\sec \alpha$	0.0088261		s^2	7.01748		$\sec \alpha$	0.0088261	
$\sin^2 \alpha$	9.97796		$\Delta \lambda$	2.2725008	+ 187.2366	$\sin^2 \alpha$	9.35935		$\Delta \lambda$	1.7069080	+ 50.9223
C	0.71610		$\sin^2(\phi + \phi')$	9.3003268		C	0.71664		$\sin^2(\phi + \phi')$	9.3005854	
h^2	3.2493	2d term + .0167	$-\Delta \alpha$	1.5727176	- 37.387	h^2	7.09347	2d term + .0012	$-\Delta \alpha$	1.0074934	- 10.174
C	1.9840					n	9.9397				
	5.2233	3d term + .0000				B	1.9845				
		$-\Delta \phi$					5.9242	3d term + .0000			
		+ 42.1536						$-\Delta \phi$			
								- 92.2236			

HOLMES & NARVER ENGINEERS JOB NO 640

POSITION COMPUTATION SECOND ORDER TRIANGULATION

2 North Base to 3 Coral	75	02	07.9	3 Coral to 2 North Base	255	01	20.1
B	+79	53	125.8	B	-33	16	30.8
North Base to Piirgai	154	52	156.7	Coral to Piirgai	221	50	49.3
			12.5				+ 35.4
Piirgai to 2 North Base	334	55	44.2	Piirgai to 3 Coral	41	51	24.7

FIRST ANGLE OF TRIANGLE 66 - 55 = 11

11	33	23.267	2 North Base	162	21	09.893	11	32	20.254	3 Coral	162	17	10.944
	+2	11.412			-1	02.341		+3	11.226			+2	56.608
11	35	34.679	Piirgai	162	20	07.552	11	35	31.609	Piirgai	162	20	07.552

Logarithms		Values in seconds		Logarithms		Values in seconds	
s	3.6491067	$\frac{1}{2}(\phi + \phi')$	11 - 33 28.973	s	3.9041720	$\frac{1}{2}(\phi + \phi')$	11 - 33 57.467
cos α	9.9570365	Logarithms	Values in seconds	cos α	9.8727147	Logarithms	Values in seconds
b	8.5124996	s	3.6491067	b	8.5124997	s	3.9041724
h	2.1186428	1st term	-131.4143	h	2.2887860	1st term	-194.4405
a^2	7.29821	A	8.5096674	A	7.80034	A	8.5096677
$\sin^2 \alpha$	9.25409	Sec ϕ	0.0089513	$\sin^2 \alpha$	9.64844	Sec ϕ	0.0089513
C	0.71736	$\Delta \lambda$	1.7947707 -62.341	C	0.71669	$\Delta \lambda$	2.2470111 +176.6083
	7.26966	2d term	+ .0019		8.17347	2d term	+ .0149
n^2	4.2373	$\sin^2(\phi + \phi')$	9.3024296	n^2	4.5776	$\sin^2(\phi + \phi')$	9.3021056
L	1.9851	$-\Delta \alpha$	1.0972003 +12.508	n^2	4.5776	$-\Delta \alpha$	1.5491168 -35.409
	6.2224	3d term	+ .0000	D	1.9845	3d term	+ .0000
		$-\Delta \phi$	-131.4124		6.5621	$-\Delta \phi$	-194.4256

HOLMES & NARVER ENGINEERS, JOB NO 640

POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Aoman to 3 Coral	24	32	57.2	α	3 Coral to 2 Aoman	206	32	29.8
$2^d \angle$		+ 04	59	44.4	$3^d \angle$		- 30	06	50.8
α	2 Aoman to 1 Bokon	111	26	41.6	α	3 Coral to 1 Bokon	174	25	39.0
$\Delta \alpha$				- 34.7	$\Delta \alpha$				- 07.2
		180	00	00.0			180	00	00.0
α	1 Bokon to 2 Aoman	291	26	06.9	α	1 Bokon to 3 Coral	354	25	31.8

FIRST ANGLE OF TRIANGLE 62 - 59 - 24.9

ϕ	11	37	15.282	2 Aoman	λ	162	19	27.584	ϕ	11	32	20.254	3 Coral	λ	162	17	10.944
$\Delta \phi$		+ 1	06.764		$\Delta \lambda$		- 2	52.446	$\Delta \phi$		+ 6	01.791		$\Delta \lambda$			- 35.806
ϕ'	11	38	22.046	1 Bokon	λ'	162	16	35.130	ϕ'	11	38	22.045	1 Bokon	λ'	162	16	35.138

Logarithms		Values in seconds		Logarithms		Values in seconds		Logarithms		Values in seconds			
s	3.7491203			$\frac{1}{2}(\phi + \phi')$	11-37-48.662	s	4.0480178			$\frac{1}{2}(\phi + \phi')$	11-35-21.150		
Cos α	9.5630135			Logarithms	Values in seconds	Cos α	9.9979427			Logarithms	Values in seconds		
B	8.5124992			s	3.7491203	B	8.5124997			s	4.0480178		
h	1.0246330	1st term	-66.7779	Sin α	9.9688423	h	2.5584602	1st term	-361.7930	Sin α	8.9872425		
s^2	7.49824			A	8.5096676	s^2	8.09604			A	8.5096677		
Sin ² α	9.93768			Sec α	0.0090237	Sin ² α	7.97449			Sec α	0.0090237		
C	0.71736			$\Delta \lambda$	2.2366539	-172.4463	C	0.71669			$\Delta \lambda$	1.5539517	-35.8052
	8.15328	2d term	+ .0142	Sin $\frac{1}{2}(\phi + \phi')$	9.3044775			2d term	+ .0006	Sin $\frac{1}{2}(\phi + \phi')$	9.3029656		
h^2	3.6493			$-\Delta \alpha$	1.5411314	+34.764	h^2	5.1169			$-\Delta \alpha$	0.8569173	+ 7.193
D	1.9851						D	1.9845					
	5.6344	3d term	+ .0000					7.1014	3d term	+ .0013			
		$-\Delta \phi$	-66.7637						$-\Delta \phi$	-361.7911			

HOLMES & NARVER ENGINEERS JOB NO 640

POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Boga	to 3 Engebi	260	44	24.1	3 Engebi	to 2 Boga	50	45	22.3
$\Delta \alpha$			+ 55	44	06.8			+ 50	36	19.7
α	2 Boga	to 1 Photo	316	28	20.9	3 Engebi	to 1 Photo	8	09	02.6
$\Delta \alpha$			+ 1		07.7			-		00.2
			180	00	00.0			180	00	00.0
α'	1 Photo	to 2 Boga	136	25	28.8	1 Photo	to 3 Engebi	70	09	02.4

FIRST ANGLE OF TRIANGLE

β	11 38 47.715	2 Boga	λ	162 09 17.366	β	11 39 41.966	3 Engebi	λ	162 14 55.152
$\Delta \beta$	- 5 49.629		$\Delta \lambda$	+ 5 36.708	$\Delta \beta$	- 6 43.873		$\Delta \lambda$	- 01.078
ϕ	11 32 58.092	1 Photo	λ'	162 14 54.074	ϕ	11 32 58.091	1 Photo	λ'	162 14 54.074

Logarithms		Values in seconds		Logarithms		Values in seconds	
s	4.1706707			$\frac{1}{2}(\phi + \phi')$	11-35-52.803		
$\cos \alpha$	9.8603661			Logarithms		Values in seconds	
B	8.5124964			s	4.0937486		
h	2.5435312	1st term	+349.574	A	2.6062431	1st term	+403.872
s^2	8.34134			s'	8.18750		
$\sin^2 \alpha$	9.67606			$\sin^2 \phi$	4.84011		
C	0.72082			$\Delta \lambda$	2.5272531	+336.7078	
	8.79822	2d term	+ .0547	$\sin^2(\phi + \phi')$	9.3032916		
h^2	5.0871			$-\Delta \alpha$	1.8305247	-67.693	
D	1.9884			h^2	5.2125		
	7.0755	3d term	+ .0012	D	1.9888		
		$-\Delta \phi$	+349.6233		7.2013	3d term	+ .0016
						$-\Delta \phi$	+403.8728

HOLMES & NARVER ENGINEERS JOB NO 640

POSITION COMPUTATION SECOND ORDER TRIANGULATION

α	2 Engebi	to 3 Aoman	298	38	01.3	α	3 Aoman	to 2 Engebi	118	38	56.3
$\Delta \alpha$			+ 61	31	01.3	$\Delta \alpha$			- 72	16	56.8
α	2 Engebi	to 1 Photo	0	09	02.4	α	3 Aoman	to 1 Photo	46	21	59.5
$\Delta \alpha$					- 0.2	$\Delta \alpha$					- 54.9
			180	00	00.0				180	00	00.0
α'	1 Photo	to 2 Engebi	180	09	02.4	α'	1 Photo	to 3 Aoman	226	21	04.6

FIRST ANGLE OF TRIANGLE

ϕ	11	39	41.964	2 Engebi	λ	162	14	55.152	ϕ	11	37	45.282	3 Aoman	λ	162	19	27.584	
$\Delta \phi$			- 6	43.873	$\Delta \lambda$			- 01.077	$\Delta \phi$			- 4	17.191	$\Delta \lambda$			- 4	33.509
ϕ'	11	32	58.091	1 Photo	λ'	162	14	54.075	ϕ'	11	32	58.091	1 Photo	λ'	162	14	54.075	

Logarithms		Values in seconds		Logarithms		Values in seconds			
s	4.0937487			$\frac{1}{2}(\phi + \phi')$	11 - 36 - 20.028	s	4.0588211		
Cos α	9.9999985			Logarithms	Values in seconds	Cos α	9.8388738		
b	8.5124960			s	4.0937487	B	8.5124972		
h	2.6062432	1st term	+403.8715	Sin α	7.4200540	H	2.4101941	1st term	+257.1545
g ²	8.18750			A'	8.5096665	s	8.11764		
Sin ² α	4.84011			Sec ϕ	0.0088838	Sin ² α	9.71920		
C	0.72139			$\Delta \lambda$	0.0323580 - 1.0774	C	0.71984		
	3.74900	2d term	+ .0000	Sin $\frac{1}{2}(\phi + \phi')$	9.3035698		8.55668	2d term	+ .0360
n ²	5.2125			$-\Delta \alpha$	9.3359278 + 0.217	n ²	4.8204		
D	1.9888					D	1.9875		
	7.2013	3d term	+ .0016				6.8079	3d term	+ .0006
		$-\Delta \phi$	+403.8731					$-\Delta \phi$	+257.1911

BASE LINE COMPUTATIONS

COMPUTATION OF RUNIT ISLAND BASE LINE

COMPUTED BY L.S.H. CHECKED BY L.M.P. DATE Feb. 28, 1950

SECTION	DATE	DIR OF MEAS.	TAPE N.	TAPE S. POINT	UNCORRECTED LENGTH		TEMP °C	CORRECTIONS					RECORD LENGTH METERS	ADJUSTED LENGTH METERS	LV MM	V.V. MM
					TAPE LENGTH	METERS		TEMP METERS	TAPE AND CATENARY METERS	SET UP SET-BACK METERS	INCLINATION METERS	SEA LEVEL METERS				
Δ North Base																
Stake No. 2	2-24-50	F	6464	2		18.5349	38.0	+0.0001		18.5350	-0.0004		18.5346			
" " 3		F		2	1/2	25	34.0	+0.0002		-0.0579	-0.0000		24.9423			
" " 4		F		3	1	50	32.0	+0.0002			-0.0006		49.9996			
" " 5		F		3	1	50	32.0	+0.0002			-0.0040		49.9962			
" " 6		F		3	1	50	32.0	+0.0002			-0.0003		49.9999			
" " 7A		F		3	1	50	32.0	+0.0002		-0.0432	-0.0022		49.9548			
													<u>243.4274</u>	<u>243.4274</u>		
Stake No 7A																
" " 6	2-24-50	B		3	1	50	30.0	+0.0002			-0.0022		49.9980			
" " 5		B		3	1	50	32.5	+0.0002			-0.0003		49.9999			
" " 4		B		3	1	50	34.0	+0.0003			-0.0040		49.9963			
" " 3		B		3	1	50	34.0	+0.0003		-0.0434	-0.0006		49.9563			
" " 2		B		2	1/2	25	34.0	+0.0002		-0.0579	-0.0000		24.9423			
Δ North Base		B		2		18.5349	38.0	+0.0001			-0.0004		<u>18.5346</u>			
													<u>243.4274</u>			

HOLMES & NARVER ENGINEERS JOB NO. 640

COMPUTATION OF RUNIT ISLAND BASE LINE

COMPUTED BY L.S.H. CHECKED BY L.M.P. DATE Feb. 24, 1950

SECTION	DATE	DIR. OF MEAS.	TAPE NO.	TAPE SUPPORT	UNCORRECTED LENGTH		TEMP "C"	CORRECTIONS					REDUCED LENGTH METERS	ADJUSTED LENGTH METERS	(V) MM.	(VV) MM.
					TAPE LENGTH	METERS		TEMP METERS	TAPE AND CATENARY METERS	SET-UP SET-BACK METERS	INCLINATION METERS	SEA LEVEL METERS				
Stake No. 7A																
" " 8	2-24-50	F	6621	3	1	50	34.5	+0.0003		-0.0734	-0.0000		49.9269			
" " 9		F		3	1	50	35.5	+0.0003			-0.0020		49.9983			
" " 10		F		3	1	50	35.0	+0.0003		+0.0526	-0.0000		50.0529			
" " 11		F		3	1	50	36.5	+0.0003			-0.0000		50.0003			
" " 12		F		3	1	50	36.0	+0.0003		-0.0627	-0.0001		49.9375			
" " 13		F		3	1	50	36.5	+0.0003			-0.0002		50.0001			
" " 14		F		3	1	50	33.5	+0.0003			-0.0005		49.9998			
" " 15		F		3	1	50	36.0	+0.0003			-0.0001		50.0002			
" " 16		F		3	1	50	34.5	+0.0003			-0.0000		50.0003			
" " 17		F		3	1	50	34.5	+0.0003			-0.0000		50.0003			
" " 18		F		3	1	50	33.0	+0.0003			-0.0014		49.9989			
" " 19		F		3	1	50	36.5	+0.0003			-0.0001		50.0002			
" " 20		F		3	1	50	37.5	+0.0003		-0.0356	-0.0001		49.9646			
													649.8803	649.8766		
Stake No. 20																
" " 19	2-25-50	B	6619	3	1	50	34.0	+0.0003		-0.0683	-0.0001		49.9319			
" " 18		B		3	1	50	34.0	+0.0003		+0.0411	-0.0001		50.0413			
" " 17		B		3	1	50	33.0	+0.0003			-0.0014		49.9989			
" " 16		B		3	1	50	33.0	+0.0003			-0.0000		50.0003			
" " 15		B		3	1	50	31.0	+0.0002			-0.0000		50.0002			
" " 14		B		3	1	50	32.0	+0.0002			-0.0001		50.0001			
" " 13		B		3	1	50	32.0	+0.0002			-0.0005		49.9997			
" " 12		B		3	1	50	33.0	+0.0003			-0.0002		50.0001			
" " 11		B		3	1	50	34.0	+0.0003		-0.0759	-0.0001		49.9243			
" " 10		B		3	1	50	34.0	+0.0003			-0.0000		50.0003			
" " 9		B		3	1	50	32.0	+0.0002			-0.0000		50.0002			
" " 8		B		3	1	50	32.0	+0.0002			-0.0020		49.9982			
" " 7A		B		3	1	50	33.0	+0.0003		-0.0229	-0.0000		49.9774			
													649.8729			

COMPUTATION OF RUNIT ISLAND BASE LINE

COMPUTED BY L.S.H. CHECKED BY L.M.P. DATE Feb. 28, 1950

SECTION	DATE	DIR OF MEAS	TAPE NO	TAPE SUPPORT	UNCORRECTED LENGTH		TEMP	CORRECTIONS					REDUCED LENGTH	ADOPTED LENGTH	(V)	(V)
					TAPE LGTH	METERS		TEMP	TAPE AND CATENARY	SET-UP SET-BACK	INCLINATION	SEA LEVEL				
Stake No. 20							"C"									
" " 21	2-24-50	F	6619	3	1	50	38.0	+0.0004				-0.0030		49.9974		
" " 22		F		3	1	50	38.0	+0.0004				-0.0002		50.0002		
" " 23		F		3	1	50	38.0	+0.0004				-0.0005		49.9999		
" " 24		F		3	1	50	36.0	+0.0003				-0.0004		50.0002		
" " 25		F		3	1	50	35.0	+0.0003				-0.0010		49.9993		
" " 26		F		3	1	50	33.0	+0.0003				-0.0001		50.0002		
" " 27		F		3	1	50	32.0	+0.0002				-0.0000		50.0002		
" " 28		F		3	1	50	30.0	+0.0002				-0.0000		50.0002		
" " 29		F		3	1	50	30.5	+0.0002				-0.0023		49.9979		
" " 30		F		3	1	50	30.5	+0.0002				-0.0005		49.9997		
" " 31		F		3	1	50	31.0	+0.0002				-0.0004		49.9998		
" " 32		F		3	1	50	31.0	+0.0002				-0.0014		49.9988		
" " 33		F		3	1	50	32.0	+0.0002				-0.0001		50.0001		
" " 34B		F		3	1	50	30.0	+0.0002		No 2		-0.0000		50.0002		
													699.9931	699.9988		
Stake No. 34B																
" " 33	2-25-50	B	6621	3	1	50	29.0	+0.0002				-0.0000		50.0002		
" " 32		B		3	1	50	28.5	+0.0002				-0.0001		50.0001		
" " 31		B		3	1	50	29.0	+0.0002				-0.0014		49.9988		
" " 30		B		3	1	50	29.0	+0.0002				-0.0004		49.9998		
" " 29		B		3	1	50	29.5	+0.0002				-0.0005		49.9997		
" " 28		B		3	1	50	30.0	+0.0002				-0.0023		49.9979		
" " 27		B		3	1	50	30.0	+0.0002				-0.0000		50.0002		
" " 26		B		3	1	50	28.0	+0.0002				-0.0000		50.0002		
" " 25		B		3	1	50	29.0	+0.0002				-0.0001		50.0001		
" " 24		B		3	1	50	29.0	+0.0002				-0.0010		49.9992		
" " 23		B		3	1	50	30.0	+0.0002				-0.0001		50.0001		
" " 22		B		3	1	50	30.0	+0.0002				-0.0005		49.9997		
" " 21		B		3	1	50	31.0	+0.0002				-0.0002		50.0000		
" " 20		B		3	1	50	30.0	+0.0002		+0.0094		-0.0030		50.0066		
													700.0026			

COMPUTATION OF RUNIT ISLAND BASE LINE

COMPUTED BY L.S.H. CHECKED BY L.M.P. DATE Feb. 28, 1950

SECTION	DATE	DIR OF MEAS	TAPE NO	TAPE SUPPORT	UNCORRECTED LENGTH		TEMP	COR -			RECTIONS			REDUCED LENGTH	ADOPTED LENGTH	(V)	(V V)
					TAPE LNTH	METERS		TEMP	TAPE AND CATENARY	SET-UP SET-BACK	INCLINATION	SEA LEVEL	METERS				
<i>Stake No. 34B</i>																	
" " 35	2-25-50	F	646A	3	1	50	37.0	+0.0003				-0.0006		49.9997			
" " 36		F		3	1	50	39.0	+0.0004				-0.0022		49.9982			
" " 37		F		3	1	50	38.0	+0.0004				-0.0001		50.0003			
" " 38		F		3	1	50	37.0	+0.0003				-0.0001		50.0002			
" " 39		F		3	1	50	38.0	+0.0004		-0.0409		-0.0002		49.9593			
" " 40		F		3	1	50	37.0	+0.0003				-0.0000		50.0003			
" " 41		F		3	1	50	39.0	+0.0004				-0.0027		49.9977			
" " 42		F		3	1	50	38.0	+0.0004		+0.0353		-0.0024		50.0333			
" " 43C		F		3	1	50	39.0	+0.0004		-0.0062		-0.0008		49.9934			
														449.9824			449.9832
<i>Stake No. 43C</i>																	
" " 42	2-25-50	B	6621	3	1	50	39.0	+0.0004				-0.0008		49.9996			
" " 41		B		3	1	50	38.0	+0.0004				-0.0024		49.9980			
" " 40		B		3	1	50	38.0	+0.0004				-0.0027		49.9977			
" " 39		B		3	1	50	38.0	+0.0004				-0.0000		50.0004			
" " 38		B		3	1	50	37.0	+0.0003				-0.0002		50.0001			
" " 37		B		3	1	50	38.0	+0.0004				-0.0001		50.0003			
" " 36		B		3	1	50	39.0	+0.0004		-0.0165		-0.0001		49.9838			
" " 35		B		3	1	50	39.0	+0.0004				-0.0022		49.9982			
" " 34B		B		3	1	50	38.0	+0.0004		+0.0061		-0.0006		50.0059			
														449.9840			

HOLMES & NARVER ENGINEERS JOB NO. 640

COMPUTATION OF RUNIT ISLAND BASE LINE

COMPUTED BY L.S.H. CHECKED BY L.M.P. DATE Feb. 28, 1950

SECTION	DATE	DIR OF MEAS	TAPE NO	TAPE SUPPORT	UNCORRECTED LENGTH		TEMP "C"	CORRECTIONS					REDUCED LENGTH METERS	ADOPTED LENGTH METERS	(V)	(V')
					TAPE LNTH	METERS		TEMP	TAPE AND GATENARY	SET-UP SET-BACK	INCLINATION	SEA LEVEL				
<i>Stake No. 43C</i>																
" " 44	2-25-50	F	6619	3	1	50	34.0	+0.0003		-0.0226	-0.0042		49.9775			
" " 45		F		3	1	50	34.0	+0.0003			-0.0000		50.0003			
" " 46		F		3	1	50	31.0	+0.0002		+0.0203	-0.0004		50.0201			
" " 47		F		3	1	50	36.0	+0.0003			-0.0044		49.9959			
" " 48		F		3	1	50	38.0	+0.0004			-0.0011		49.9995			
" " 49		F		3	1	50	41.0	+0.0004			-0.0061		49.9943			
" " 50		F		3	1	50	37.0	+0.0003		-0.0422	-0.0031		49.9550			
" " 51		F		3	1	50	40.0	+0.0004			-0.0033		49.9971			
" " 52		F		3	1	50	40.0	+0.0004			-0.0000		50.0004			
" " 53		F		3	1	50	34.0	+0.0003			-0.0058		49.9948			
" " 54		F		3	1	50	28.0	+0.0002			-0.0139		49.9863			
" " 55		F		2	1/2	25	29.0	+0.0002		-0.0089	-0.0000		24.9913			
Δ Runit		F		2						+6.0652	-0.0006		6.0646			
													580.9769			580.9766
Δ Runit																
<i>Stake No 55</i>																
" " 54	2-26-50	B	6621	2	1/2	25	31.0	+0.0002		+6.0652	-0.0006		6.0646			
" " 53		B		3	1	50	30.0	+0.0002		-0.0086	-0.0000		24.9916			
" " 52		B		3	1	50	30.0	+0.0002			-0.0159		49.9863			
" " 51		B		3	1	50	32.0	+0.0002			-0.0055		49.9947			
" " 50		B		3	1	50	32.0	+0.0002			-0.0000		50.0002			
" " 49		B		3	1	50	32.0	+0.0002		-0.0251	-0.0033		49.9718			
" " 48		B		3	1	50	32.0	+0.0002			-0.0031		49.9971			
" " 47		B		3	1	50	32.0	+0.0002			-0.0061		49.9941			
" " 46		B		3	1	50	32.0	+0.0002			-0.0011		49.9991			
" " 45		B		3	1	50	32.0	+0.0002			-0.0044		49.9958			
" " 44		B		3	1	50	32.0	+0.0003			-0.0004		49.9999			
" " 43C		B		3	1	50	32.0	+0.0002			-0.0000		50.0002			
										-0.0130	-0.0002		49.9870			
													580.9824			

HOLMES & NARVER ENGINEERS

ABSTRACT OF WYE LEVELS AND
COMPUTATION OF INCLINATION CORRECTIONS.

STATION	DISTANCE		MEAN DIFF. OF ELEV.	INCLINATION CORRECTION	ELEVATION		REMARKS
	METERS	FEET			METERS	MEAN ELEVATION	
20	50		+ 1.81	MM			
1	50		- 0.43	3.0			
22	50		+ 0.75	0.2			
23	50		- 0.31	0.5			
24	50		+ 1.05	0.1			
25	50		+ 0.40	1.0			
26	50		+ 0.12	0.1			
27	50		+ 0.02	0.0			
28	50		- 1.56	2.3			
29	50		- 0.75	0.5			
30	50		+ 0.66	0.4			
31	50		- 1.20	1.4			
32	50		+ 0.34	0.1			
33	50		- 0.17	0.0			
34B				$\Sigma = 9.6$			
34B	50		+ 0.80	0.6			
35	50		- 1.53	2.2			
36	50		- 0.35	0.1			
37	50		- 0.32	0.1			
38	50		- 0.49	0.2			
39	50		+ 0.21	0.0			
40	50		- 1.72	2.7			
41	50		- 1.59	2.4			
42	50		- 0.95	0.8			
43C				$\Sigma = 9.7$			

ABSTRACT OF WYE LEVELS AND
COMPUTATION OF INCLINATION CORRECTIONS.

POINT	DISTANCE	MEAN DIFF OF ELEV	INCLINATION CORRECTION	ELEVATION	MEAN ELEVATION	REMARKS
	METERS	METERS FEET	MM	METERS	METERS	
43C						
44	50	+ 0.43	0.2			
45	50	- 0.03	0.0			
46	50	+ 0.67	0.4			
47	50	+ 2.15	4.4			
48	50	+ 1.08	1.1			
49	50	- 2.56	6.1			
50	50	- 1.84	3.1			
51	50	- 1.88	3.3			
52	50	+ 0.01	0.0			
53	50	- 2.44	5.5			
54	50	+ 3.87	13.9			
55	50	+ 0.07	0.0			
<i>Runit</i>	6.0652	- 0.27	<u>0.6</u>			
			<u>38.6</u>			

K·E

ESTAB. 1882

**KEUFFEL & ESSER CO.***Adams and Third Streets Hoboken, N.J.*

TELEPHONE HOBOKEN 3-1100 · TELETYPE HOB1414

Date February, 1st, 1950**REPORT ON**K. & E. TAPES CO. 769807 - 50 Meters **Nickel Steel Tape**
LOVAR (Trademark)Serial No. 5019

The above identified tape has been compared with our standard (which corresponds to the U. S. Standard at the National Bureau of Standards at Washington, D. C.) and was found to have the following length at 20° Centigrade (68° F.) under the conditions stated below:-

Supported on a horizontal flat surface:-

<u>Tension</u>	<u>Interval</u>	<u>Length</u>
11 Kg.	0-50 M.	50.000 M.

Supported at the 0, 25 and 50 M. points:-

<u>Tension</u>	<u>Interval</u>	<u>Length</u>
15 Kg.	0-50 M.	50.000 M.

The coefficient of expansion of the tape is assumed to be 0.000 000 4 per degree Centigrade (0.000 000 22 per degree Fahrenheit).

KEUFFEL & ESSER CO.

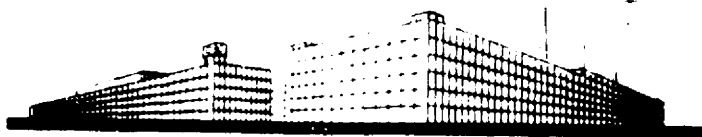
By


 Vice President

evk-tp

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KEUFFEL & ESSER CO.

Adams and Third Streets Hoboken N.J.

TELEPHONE HOBOKEN 1-1000 TELETYPE HOB 1414

Date February 1st, 1930

REPORT ON

K. & E. TAP NO. 70980M - 50 Meters Nickel Steel Tape
LOVAR (Trademark)

Serial No. 1001

The above identified tape has been compared with our standard (which corresponds to the U. S. Standard at the National Bureau of Standards at Washington, D. C.) and was found to have the following length at 20° Centigrade (68° F.) under the conditions stated below:-

Supported on a horizontal flat surface:-

<u>Tension</u>	<u>Interval</u>	<u>Length</u>
12-1/2 lbs.	0-50 M.	50.000 M.

Supported at the 0, 25 and 50 M. points:-

<u>Tension</u>	<u>Interval</u>	<u>Length</u>
10 lbs.	0-50 M.	50.000 M.

The coefficient of expansion of the tape is assumed to be 0.000 000 4 per degree Centigrade (0.000 000 22 per degree Fahrenheit).

KEUFFEL & ESSER CO.

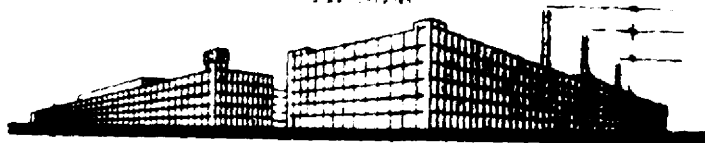
By Chas. Keuffel
Vice President

awk-fp

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K-E



KEUFFEL & ESSER CO.

Adams and Third Streets Hoboken, N.J.

TELEPHONE HOBOKEN 3-1100 - TELETYPE HO 1414

Date Sept. 16, 1949

REPORT ON

K. & E. TYP NO. 762801 - 50 Meters Nickel Steel Tape
LOYAL (Trademark)

Serial No. 6464

The above identified tape has been compared with our standard (which corresponds to the U. S. Standard at the National Bureau of Standards at Washington, D. C.) and was found to have the following length at 20° Centigrade (68° F.) under the conditions stated below:-

Supported on a horizontal flat surface:-

<u>Tension</u>	<u>Interval</u>	<u>Length</u>
11-1/2 Kg.	0-50 M.	50.000 M.

Supported at the 0, 25 and 50 l. points:-

<u>Tension</u>	<u>Interval</u>	<u>Length</u>
15 Kg.	0-50 M.	50.000 M.

The coefficient of expansion of the tape is assumed to be 0.000 000 4 per degree Centigrade (0.000 000 22 per degree Fahrenheit).

KEUFFEL & ESSER CO.

By 
Vice President

BWK-fp

Optical Reproduction Surveying Equipment & Materials - Mile Ruler - Measuring Tapes

RECOVERY NOTE TRIANGULATION STATION

Name of Station CORAL Location Eniwetok Lagoon
Eniwetok Atoll
 Established by J.T.F.-7 Year 1947-48 Marshall Islands
 Recovered by LSH Year 1949-50

Detailed description as to fitness of original description:

This station was recovered and found to be in good condition.

The station is located atop a circular concrete call that is fifteen feet in diameter, about 2 miles east-southeast of the Reef Photo Tower, about 5 miles east of Runit Island and 0.15 mile west of buoy No. 15. The disk is a standard ICAOS station disk set in the center of the structure about 11 feet above M.L.W. stamped CORAL, and is surrounded by a sheet metal wall that projects 3 feet above the deck of the structure.

A 14 foot wooden tower was used for observations at this station.

RECOVERY NOTE TRIANGULATION STATION

Name of Station ELGIN (Engebi) Location Engebi Island
Eniwetok Atoll
 Established by J.T.P.-7 Year 1947-48 Marshall Islands
 Recovered by LSH Year 1949-50

Detailed description as to fitness of original description:

This station was recovered and found to be in good condition.

The station is located on Engebi Island approximately 900 feet north of south end of island, 500 feet west of seaward side and 300 feet east of the lagoon, 130 feet south of a concrete building. The disk is a standard USCGS station disk set in a 12 X 12 inch concrete block flush with surface and is stamped ELGIN.

This station has been re-named "ENGEBI" and is also bench mark No. 1 for this island.

RM No. 1 was set at a distance of 50.00 feet 15.240 N from the station at an azimuth of 105°11'-10".

RM No. 2 was set at a distance of 50.00 feet 15.240 E from the station at an azimuth of 195°11'-10".

These reference marks are standard Holmes & Harver bronze disks set in concrete blocks flush with the surface.

A 40 foot steel tower was used for observations at this point.

2.2 1950

RECOVERY NOTE TRIANGULATION STATION

ame of Station GRAFLEX Location Aoman Island
Eniwetok Atoll
Established by J.T.F.-7 Year 1947-48 Marshall Islands
recovered by LSH Year 1949-50

etailed description as to fitness of original description:

This station has been destroyed.

Handwritten signature or initials

RECOVERY NOTE TRIANGULATION STATION

Name of Station	KODAK (Aniyaanii)	Location	Aniyaanii Island Eniwetok Atoll Marshall Islands
Established by	J.T.F.-7	Year	1947-48
Recovered by	LSH	Year	1949-50

Detailed description as to fitness of original description:

This station has been recovered and found to be in good condition. The station has been renamed Aniyaanii and is located about 600 feet south of the north edge of vegetation in a small clearing on the lagoon side of Aniyaanii Island, 80 feet south of the north edge of the clearing, 125 feet east of the high water mark on the lagoon beach and 755 feet north of the northwest leg of a 75 foot steel tower. The marker is a standard USC&GS station disc set in a concrete block flush with the surface and stamped KODAK.

Reference mark No. 1 is set at a distance of 57.398 feet 17.495 M from the station at an azimuth of $214^{\circ}55'42.6''$.

Reference mark No. 2 is set at a distance of 110.819 feet 33.778 M from the station at an azimuth of $326^{\circ}01'28.6''$.

These reference marks are standard USC&GS reference discs set in a concrete block flush with the surface.

Note: This station has been reset. See Restoration Note Triangulation Station of June 7, 1951.

RECOVERY NOTE TRIANGULATION STATION

Name of Station NORTH BASE Location Bumit Island
Eniwetok Atoll
Established by USN Year 1944 Marshall Islands
Recovered by LSH Year 1949-50

Detailed description as to fitness of original description:

This station was recovered and the results of the present survey determine that the marker has been disturbed.

The marker was used in its existing position and a new description and location of reference marks are included under description of triangulation stations.

L. J. H. W. W. W. W.

RECOVERY NOTE TRIANGULATION STATION

Name of Station PHOTO (Reef Photo Tower) Location Eniwetok Lagoon
Eniwetok Atoll
 Established by J.T.F.-7 Year 1947-48 Marshall Islands
 Recovered by LSH Year 1949-50

Detailed description as to fitness of original description:

This station recovered and found to be in good condition.

The station is a 4 leg 75 foot steel tower constructed atop 4 steel piles encased in concrete at tide range, located on a coral reef approximately 7 statute miles south of Engebi Island, 7 miles west of the north end of Runit Island and 2 miles west-northwest of station Coral.

The marker is a nail set in the wood deck at the intersection of the diagonals of the opposite legs of the tower. This wood deck is approximately 10 feet above M.L.W.

The light was mounted on a wood tripod 4.5 feet above the deck.

This station was not occupied due to excessive vibration.

L.S.H.

RECOVERY NOTE TRIANGULATION STATION

Name of Station PRIVILEGE (Eniwetok) Location Eniwetok Island
Eniwetok Atoll
Marshall Islands
 Established by USN Year 1944
 Recovered by LSH Year 1949-50

Detailed description as to fitness of original description:

This station was recovered and found to be in good condition. The station has been renamed ENIWETOK and is also BM No. 1 for this island.

The station is located on the north end of Eniwetok Island, 225 feet from the north end of the island, 70 feet west of the high water line on the seaward side and 90 feet east of the high water mark on the lagoon side. It is 30 feet south of a large Quonset building and is under a steel tripod which is Beacon B.

The marker is a standard USN triangulation disk set in an 8 X 8 inch concrete block flush with the surface.

Reference mark No. 1 is set at a distance of 39.12 feet 11.924 M from the station and an azimuth of $62^{\circ}-46'-17.4''$.

Reference mark number 2 is set at a distance of 39.12 feet 11.924 M from the station and an azimuth of $332^{\circ}-46'-17.4''$.

These reference marks are standard Holmes & Narver bronze disks set in concrete blocks flush with the surface.

R. J. Harwood

RECOVERY NOTE TRIANGULATION STATION

Name of Station	<u>RUNIT</u>	Location	<u>Runit Island</u>
			<u>Eniwetok Atoll</u>
Established by	<u>J.T.F.-7</u>	Year	<u>1947-48</u>
			<u>Marshall Islands</u>
Recovered by	<u>LSH</u>	Year	<u>1949-50</u>

Detailed description as to fitness of original description:

This station was recovered and found to be in good condition.

The station is located approximately 900 feet north of the end of the sand spit at the south end of the island, 120 feet west of the high water mark on the seaward side of the island and 70 feet east of the high water mark on the lagoon side. The disk is a standard USCGS station disk set in a 12 X 12 inch concrete block flush with the surface and is stamped RUNIT.

Reference mark No. 1 is 41.075 feet north-northwest of the station.

Reference mark No. 2 is 48.062 feet east of the station.

These reference marks are standard USCGS reference disks set flush with the surface.

The station mark is approximately 9 feet above M.L.W. and a 20 foot wooden tower was used for observations.

R. S. H. [Signature]

RECOVERY NOTE TRIANGULATION STATION

Name of Station	<u>SAND</u>	Location	<u>So. of Runit Island</u>
Established by	<u>USN</u>	Year	<u>1944</u>
Recovered by	<u>LSH</u>	Year	<u>1949-50</u>

Eniwetok Atoll
Marshall Islands

Detailed description as to fitness of original description:

This station was recovered and found to be in good condition.

The station is located on the third sand island south of Runit Island, about 50 feet south of the north end of the island and 68 feet east of the high water mark on the lagoon side. The disc is a standard USN triangulation disc set in an X 8 inch concrete block flush with the surface.

A 14 foot wooden tower was used for observations at this station.

As this is a remote location with limited land area no reference marks were set.

K. C. Narver

RECOVERY NOTE TRIANGULATION STATION

Name of Station STEEL Location Parry Island
Eniwetok Atoll
Established by USN Year 1944 Marshall Islands
Recovered by LSN Year 1949-50

Detailed description as to fitness of original description:

This station located on the north end of Parry Island has been destroyed.

Station PARRY of the present survey is in the approximate location of his station.

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION ACMAN LOCATION Aoman Island
 CHIEF OF PARTY LSH Eiwetok Atoll
Marshall Islands
 DATE 1949-50

DISTANCES AND DIRECTIONS TO REFERENCE MARKS				
OBJECT	DISTANCE		DIRECTION	AZIMUTH
	METERS	FEET		
Coral	-	-	0-00-00.0	
R.M. No. 1	22.860	75.00	188-08-10.0	
R.M. No. 2	22.860	75.00	278-08-10.0	

ELEV. OF MARK ABOVE MLW 10.0'
 HEIGHT OF TELESCOPE ABOVE MARK 40.5'
 HEIGHT OF LIGHT ABOVE MARK 40.5'

DETAILED DESCRIPTION:

This station is located on Aoman Island approximately 200 feet west of the west end of the Aoman-Bijiri causeway and 90 feet from the high water mark on the lagoon side. It is Traverse Station Aoman of the Joint Task Force Seven Survey and is a standard USC&GS triangulation disk set in a concrete block flush with the surface.

Reference marks are standard Holmes & Narver bronze disks in concrete blocks set flush with the surface.

This station was disturbed. See Recovery Note of June 7, 1951.

DESCRIBED BY JFC

MARKED BY _____

J.C. Hammond

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION BOGA LOCATION Bogallua Island
 CHIEF OF PARTY LSH Eniwetok Atoll
Marshall Islands
 DATE 1949-50

OBJECT	DISTANCE		DIRECTION	AZIMUTH
	METERS	FEET		
Coral	-	-	0-00-00.0	
R.M. No. 1	59.015	193.62	94-53-50.0	
R.M. No. 2	36.576	120.00	154-54-00.0	

ELEV. OF MARK ABOVE M.L.W. 7.1'
 HEIGHT OF TELESCOPE ABOVE MARK 40.5'
 HEIGHT OF LIGHT ABOVE MARK 40.5'

DETAILED DESCRIPTION

This station is located on Bogallua Island at the extreme east end of the island approximately 20 feet from the high water mark.

The mark is a standard Holmes & Narver bronze disk set in a concrete block flush with the surface.

The reference marks are standard Holmes & Narver bronze disks set in concrete blocks flush with the surface and are intersection points on the Bogallua topo traverse.

DESCRIBED BY **FPC**

MARKED BY

L.S. Hammond

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION BOKON LOCATION Bokonaarappu Island
 CHIEF OF PARTY LGH Eniwetok Atoll
Marshall Islands
 DATE 1949-50

DISTANCES AND DIRECTIONS TO REFERENCE MARKS				
OBJECT	DISTANCE		DIRECTION	AZIMUTH
	METERS	FEET		
Amon	-	-	0-00-00.0	
R.M. No. 1	15.240	50.00	207-24-12.2	
R.M. No. 2	15.240	50.00	279-24-12.2	

ELEV. OF MARK ABOVE MLW 10.4'
 HEIGHT OF TELESCOPE ABOVE MARK 15.5'
 HEIGHT OF LIGHT ABOVE MARK 15.5'

DETAILED DESCRIPTION:

This station is located on Bokonaarappu Island approximately 660 feet from the west end of the island and 56 feet from the high water mark on the lagoon side.

The station mark is a standard Holmes & Narver bronze disk set in a concrete block flush with the surface.

The reference marks are standard Holmes & Narver bronze disks set in concrete blocks flush with the surface.

DESCRIBED BY LGH

MARKED BY _____

R. S. Hammond

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION ISLET LOCATION South of Runit Island
 CHIEF OF PARTY LSH Eniwetok Atoll
Marshall Islands
 DATE 1949-50

DISTANCES AND DIRECTIONS TO REFERENCE MARKS				
OBJECT	DISTANCE		DIRECTION	AZIMUTH
	METERS	FEET		
None				

ELEV. OF MARK ABOVE MLW 8.0'
 HEIGHT OF TELESCOPE ABOVE MARK 11.5'
 HEIGHT OF LIGHT ABOVE MARK 11.5'

DETAILED DESCRIPTION:

This station is located on the first sand island south of Runit at approximately the center of the island.

The disk is a standard Holmes & Narver bronze disk set in a concrete block flush with surface.

Due to the limited area of the island no reference marks were set.

DESCRIBED BY: LEG

MARKED BY: _____

L.S. Hammond

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION NORTH BASE LOCATION Runit Island
 CHIEF OF PARTY LSH Eniwetok Atoll
Marshall Islands
 DATE 1949-50

DISTANCES AND DIRECTIONS TO REFERENCE MARKS				
OBJECT	DISTANCE		DIRECTION	AZIMUTH
	METERS	FEET		
Coral	-	-	0-00-00.0	
R.M. No. 3	45.686	149.89	101-59-20.0	
R.M. No. 1	31.992	104.96	267-33-20.0	
R.M. No. 2	25.233	82.785	340-35-50.0	

ELEV. OF MARK ABOVE MLW 8.0'
 HEIGHT OF TELESCOPE ABOVE MARK 40.5'
 HEIGHT OF LIGHT ABOVE MARK 40.5'

DETAILED DESCRIPTION:

This station is located at the north end of Runit Island approximately 200 feet from the end of the island and 65 feet from the high water mark on the lagoon.

The marker is a standard USC&GS triangulation station disk in a concrete block. This marker has been disturbed and is not in the location recorded in the Report of the Engineer, Joint Task Force Seven.

Reference marks are standard Holmes & Narver bronze disks cemented into the surface of the reef ledge at tide range.

DESCRIBED BY IPC MARKED BY _____

R. C. Hansen

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION PARRY LOCATION Parry Island
 CHIEF OF PARTY LSH Eniwetok Atoll
Marshall Islands
 DATE 1949-50

DISTANCES AND DIRECTIONS TO REFERENCE MARKS				
OBJECT	DISTANCE		DIRECTION	AZIMUTH
	METERS	FEET		
Coral	-	-	0-00-00.0	
R.M. No. 1	15.246	50.02	46-34-25.4	
R.M. No. 2	15.224	49.95	181-37-20.4	

ELEV. OF MARK ABOVE MLW 10.0'
 HEIGHT OF TELESCOPE ABOVE MARK 24.5'
 HEIGHT OF LIGHT ABOVE MARK 24.5'

DETAILED DESCRIPTION:

This station is located on Parry Island approximately 450 feet from the north end of the island. The mark is set at the intersection of the diagonals of the opposite legs of a four leg steel communication tower.

A twenty-four foot wood instrument tripod and a platform at the required height on the tower was constructed for observation.

The station is marked with a standard Holmes & Narver bronze disk in a concrete block flush with the surface.

The reference monuments are standard Holmes & Narver bronze disks in concrete blocks flush with the surface.

DESCRIBED BY LEG

MARKED BY

L. S. Hammond

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION PIIRAAI LOCATION Piiraa Island
 CHIEF OF PARTY LSH Eniwetok Atoll
Marshall Islands
 DATE 1949-50

DISTANCES AND DIRECTIONS TO REFERENCE MARKS				
OBJECT	DISTANCE		DIRECTION	AZIMUTH
	METERS	FEET		
N. Base	-	-	0-00-00.0	
R.M. No. 2	22.860	75.00	0-31-55.0	
R.M. No. 1	22.860	75.00	270-31-55.0	

ELEV. OF MARK ABOVE MLW 8.8'
 HEIGHT OF TELESCOPE ABOVE MARK 15.5'
 HEIGHT OF LIGHT ABOVE MARK 15.5'

DETAILED DESCRIPTION:

This station is located on Piiraa Island approximately 350 feet from the south end of the island and 75 feet from the high water mark on the lagoon side.

The station marker is a standard Holmes & Narver bronze disk set in a concrete block flush with the surface.

The reference marks are standard Holmes & Narver bronze disks set in concrete blocks flush with the surface.

DESCRIBED BY FPC

MARKED BY _____

L. S. Hammond

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION PINFACLE LOCATION Eniwetok Lagoon
 CHIEF OF PARTY LSH Eniwetok Atoll
 DATE 1949-50 Marshall Islands

DISTANCES AND DIRECTIONS TO REFERENCE MARKS				
OBJECT	DISTANCE		DIRECTION	AZIMUTH
	METERS	FEET		
None				

ELEV. OF MARK ABOVE MLW 8.0'
 HEIGHT OF TELESCOPE ABOVE MARK 5.0'
 HEIGHT OF LIGHT ABOVE MARK 5.0'

DETAILED DESCRIPTION:

This station is a prefabricated steel tripod which was set in place on a coral reef approximately 2.7 statute miles west of the south end of Runit Island. The station was occupied at low water and under favorable weather conditions.

This is not a permanent station and will be removed as it is considered a navigation hazard.

DESCRIBED BY LEG

MARKED BY

K. S. Narver

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION TEITEIR LOCATION Teiteiripucchi Island
 CHIEF OF PARTY LSH Eniwetok Atoll
Marshall Islands
 DATE 1949-50

DISTANCES AND DIRECTIONS TO REFERENCE MARKS				
OBJECT	DISTANCE		DIRECTION	AZIMUTH
	METERS	FEET		
Coral	-	-	0-00-00.0	
R.M. No. 1	15.240	50.00	125-23-00.0	
R.M. No. 2	15.240	50.60	215-23-00.0	

ELEV. OF MARK ABOVE MLW. 8.6'
 HEIGHT OF TELESCOPE ABOVE MARK 40.5'
 HEIGHT OF LIGHT ABOVE MARK 40.5'

DETAILED DESCRIPTION:

This station is located on Teiteiripucchi Island approximately 800 feet from the west end of the island and 120 feet from the high water mark on the lagoon side.

The mark is a standard Holmes & Narver bronze disk set in a concrete block flush with the surface.

Reference marks are standard Holmes & Narver bronze disks in concrete blocks flush with the surface.

DESCRIBED BY: FPC MARKED BY: _____

L.S. Hammond

Vertical Control

As no records are available of vertical control established here by previous surveys a temporary datum is being established on each of the project islands as surveys are made. This datum may be described as follows.

"A datum approximating mean low water springs was arrived at by applying corrections from the U.S. Coast and Geodetic publication "Tide Tables of the Pacific Ocean" to a series of tidal observations. This is a temporary datum but should be significant to less than a foot".

The procedure is to erect a tide staff at a suitable location at each island and take periodical observations as surveys are made at these islands. After applying corrections a mean of these corrected observations is accepted as the temporary datum. This datum is transferred to a permanent monument in the vicinity which becomes the point of origin of all vertical control on the particular island.

At a later date when personnel are available at these locations a longer series of observations will be taken and corrections applied to the datum. It is not anticipated that any temporary datum now in use will be refined by more than a few tenths of a foot.

When datums are established at all project islands a further check can be made by taking simultaneous observations at all tide staffs to check the relation between the individual datums. Due to little knowledge of currents in the lagoon it is doubtful if any refinement of the individual datums can be made by this method.

A list of the bench marks follows:

Maraanbiru -- To be established at later date.

Momon -- Triangulation station Aomon - Elev. 8.61

Biljiri -- Traverse station Biljiri - Elev. 7.67

Begallua -- Triangulation station Boga - Elev. 7.14

Bokenaarappa -- Triangulation station Bokon - Elev. 10.40

Engebi -- Triangulation station Engebi (Elgin) - Elev. 10.08

Eniwetok -- Triangulation station Eniwetok - Elev. 10.34

Kiriniaz -- To be established at later date.

Musinbearikka -- To be established at later date.

Parry -- Triangulation station Parry - Elev. 9.80

Piiraa -- Triangulation station Piiraa - Elev. 8.80

Rojor -- To be established at later date. Existing elevations are referred to Traverse station Biijiri.

Rumit -- Traverse station Rumit - Elev. 12.95

Taitairipacchi -- Triangulation station Taitair - Elev. 8.60

The monuments at all points listed are bronze disks set in concrete blocks flush with the surface and these locations will be shown in topographical maps of the islands involved.

EXPANSION OF HORIZONTAL CONTROL SURVEY

ENIWETOK ATOLL

MARSHALL ISLANDS

1951

The primary horizontal control network furnished the basic controls from which the relations of test structures were determined. The scheme was expanded to include the photo stations at sites M, N, P and Q; C, E and V Zero points, and the islands of Bogon and Rigili. The islands of Muzin and Aaraanbiru were located from controls established in the local Zero areas.

General Features

The specifications and criteria for second order triangulation were followed in expanding the scheme. While the strength of figure was weak in some cases, additional observations were taken which offset the weakness.

All observations were made at night, and standard procedure was attempted throughout. Weather conditions and interference from construction and scientific work in the tower areas affected the survey, but the results are considered consistent with requirements.

A quadrilateral was developed including station Bokon, thereby increasing the strength of this station over the single triangle by which it was previously located. The adjusted values vary slightly from those recorded from the previous survey.

Station Islet was also strengthened by inclusion in a quadrilateral with no change in the values previously recorded.

The location of station Rigili is to third order accuracy, which conforms with instructions regarding location of this station.

Field Computations

Computations of the expanded scheme were made at the jobsite. While adjustments to balance out observing errors were not made, the results were within scientific requirements.

Photo Tower Triangulation Report

A report was issued on May 18, 1951, including the relation of the photo tower to the Zero points. The values are listed as computed from the control network and also from check computations based on observations made at the structure sites. This report is included.

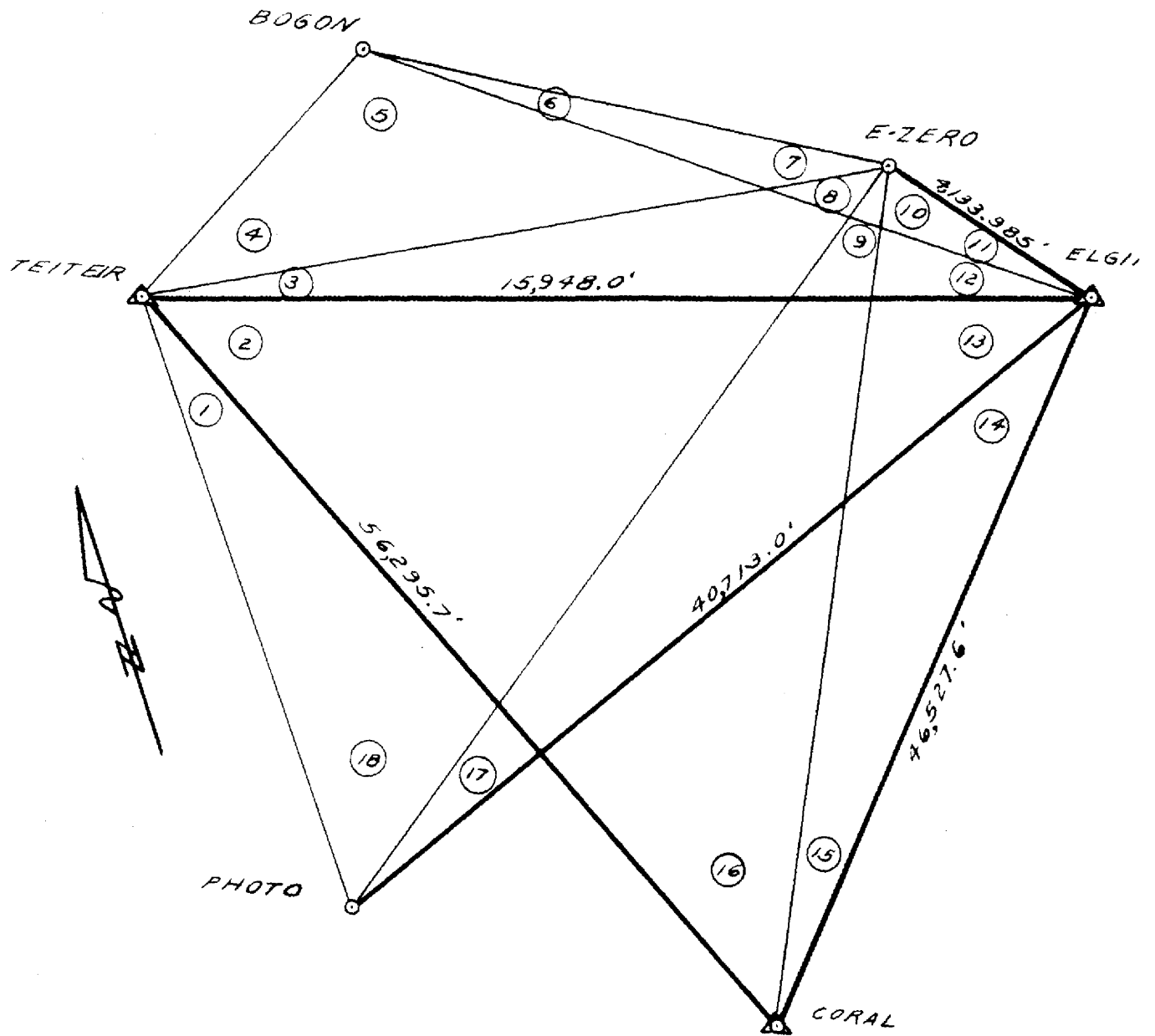
Adjusted Data

Adjusting of the expanded scheme has been completed, and the adjusted values are included in this report. The value of the length of each line is independent of the route followed in the computation.

All observations, including the check observations at the structure sites, were evaluated and used in the adjustments. While this data varies from the values given in the photo tower triangulation report, the differences are small and assure that the values given in this report are within requirements.

In the interests of economy, these computations are not included in this report. The sketches included record the adjusted values determining the inter-relation of the various stations.

The computations and field notes will be a part of the permanent survey records at the jobsite.



NOT TO SCALE

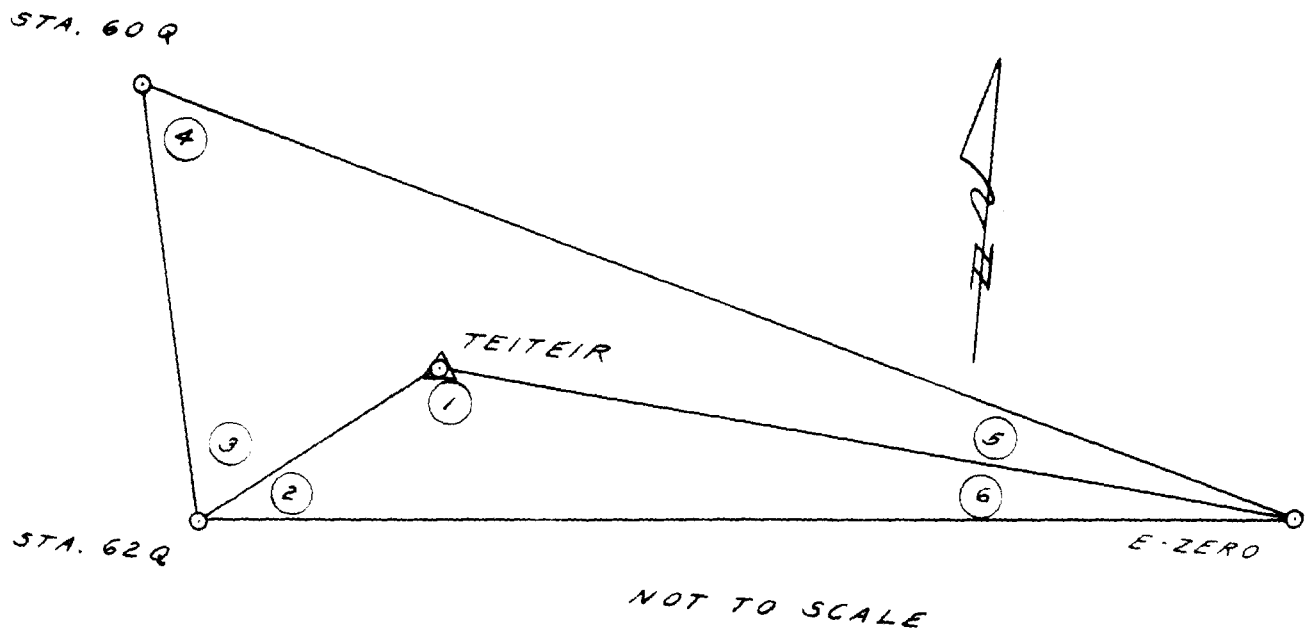
— PRIMARY TRIANGULATION
— SECONDARY TRIANGULATION

ADJUSTED ANGLES

①	11°-53'-57.0"	⑩	27°-00'-18.6"
②	45°-29'-32.3"	⑪	21°-05'-09.8"
③	9°-34'-12.5"	⑫	9°-14'-16.6"
④	15°-27'-04.3"	⑬	103°-20'-29.0"
⑤	145°-44'-26.6"	⑭	17°-01'-02.1"
⑥	10°-22'-23.1"	⑮	2°-18'-43.9"
⑦	8°-26'-06.0"	⑯	11°-50'-12.7"
⑧	97°-41'-52.4"	⑰	3°-55'-35.9"
⑨	15°-24'-10.1"	⑱	15°-20'-25.8"

ADJUSTED DISTANCES

E-ZERO - BOGON	8,260.1'
E-ZERO - TEITEIR	12,554.4'
E-ZERO - PHOTO	43,669.8'
E-ZERO - CORAL	50,172.9'
ELGIN - BOGON	11,982.3'
TEITEIR - BOGON	4,548.0'
TEITEIR - PHOTO	47,027.0'

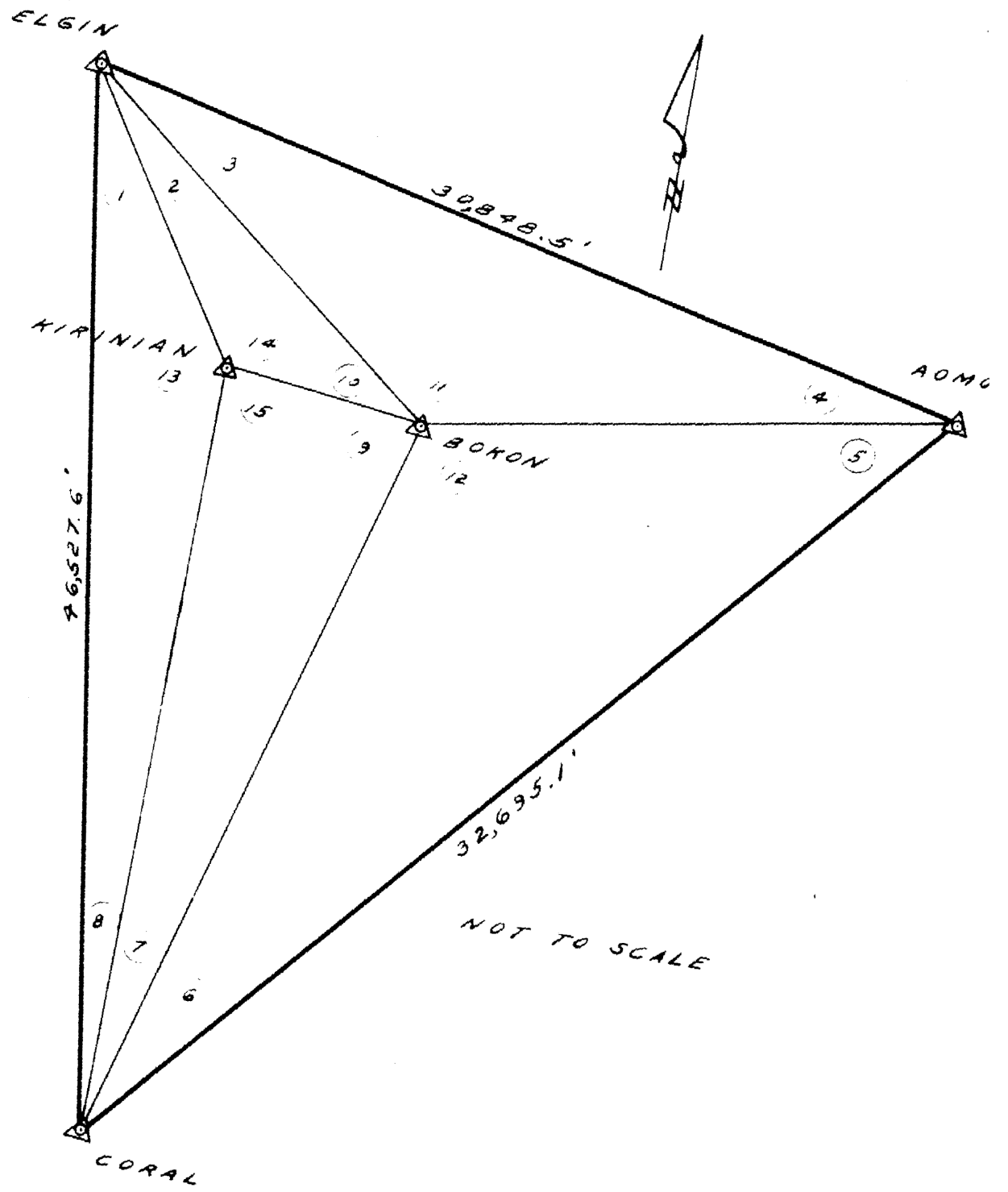


ADJUSTED ANGLES

- ① 177° - 08' - 02.5"
- ② 2° - 49' - 17.6"
- ③ 101° - 54' - 50.0"
- ④ 70° - 18' - 23.5"
- ⑤ 4° - 54' - 49.0"
- ⑥ 0° - 02' - 39.9"

ADJUSTED DISTANCES

TEITEIR - E-ZERO	12,554.4'
TEITEIR - 62 Q	191.62'
60 Q - 62 Q	1,170.0'
E-ZERO - 60 Q	13,092.3'
E-ZERO - 62 Q	12,745.8'



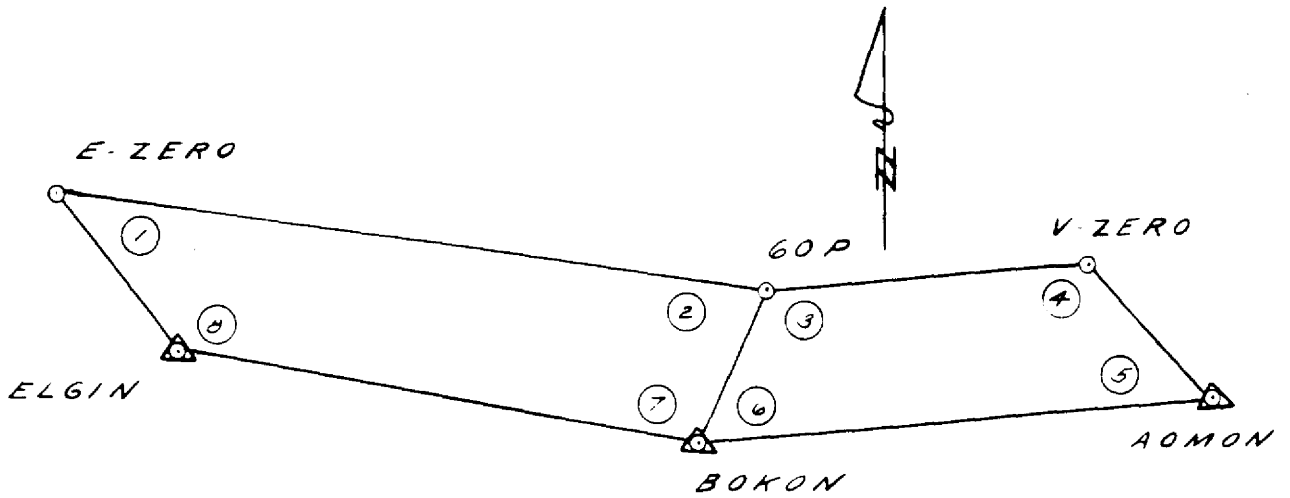
PRIMARY TRIANGULATION
SECONDARY TRIANGULATION

ADJUSTED ANGLES

①	24°-14'-40.9"	⑨	125°-39'-52.8"
②	9°-51'-23.2"	⑩	8°-56'-51.1"
③	10°-23'-55.0"	⑪	162°-23'-50.9"
④	7°-12'-14.1"	⑫	62°-59'-25.2"
⑤	86°-53'-44.9"	⑬	152°-12'-33.2"
⑥	30°-06'-49.9"	⑭	161°-11'-45.7"
⑦	7°-44'-26.1"	⑮	46°-35'-41.1"
⑧	3°-32'-45.9"		

ADJUSTED DISTANCES

BOKON - ELGIN	12,791.9'
BOKON - AOMON	18,412.0'
BOKON - CORAL	36,643.9'
BOKON - KIRINIAN	6,793.4'
KIRINIAN - CORAL	40,978.1'
KIRINIAN - ELGIN	6,172.3'

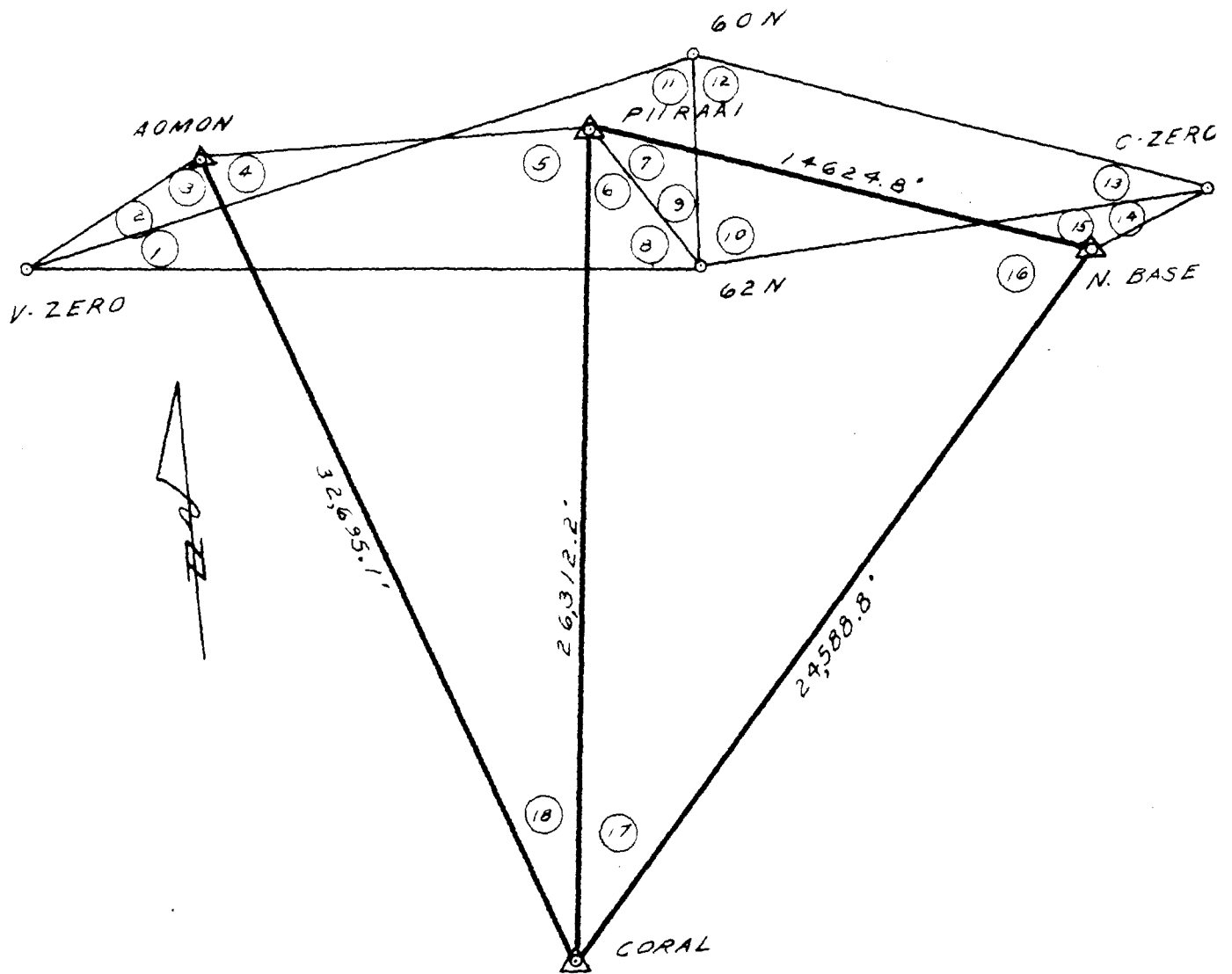


ADJUSTED ANGLES

①	4°-07'-18.6"	⑤	12°-32'-11.9"
②	84°-41'-40.0"	⑥	66°-25'-47.9"
③	116°-36'-55.9"	⑦	95°-58'-03.0"
④	164°-25'-04.3"	⑧	175°-12'-58.4"

ADJUSTED DISTANCES

60P	- E-ZERO	16,928.2'
60P	- V-ZERO	14,330.1'
60P	- BOKON	150.0'
ELGIN	- E-ZERO	4,133.985'
ELGIN	- BOKON	12,791.9'
AOMON	- BOKON	18,412.0'
AOMON	- V-ZERO	4,140.9'



NOT TO SCALE

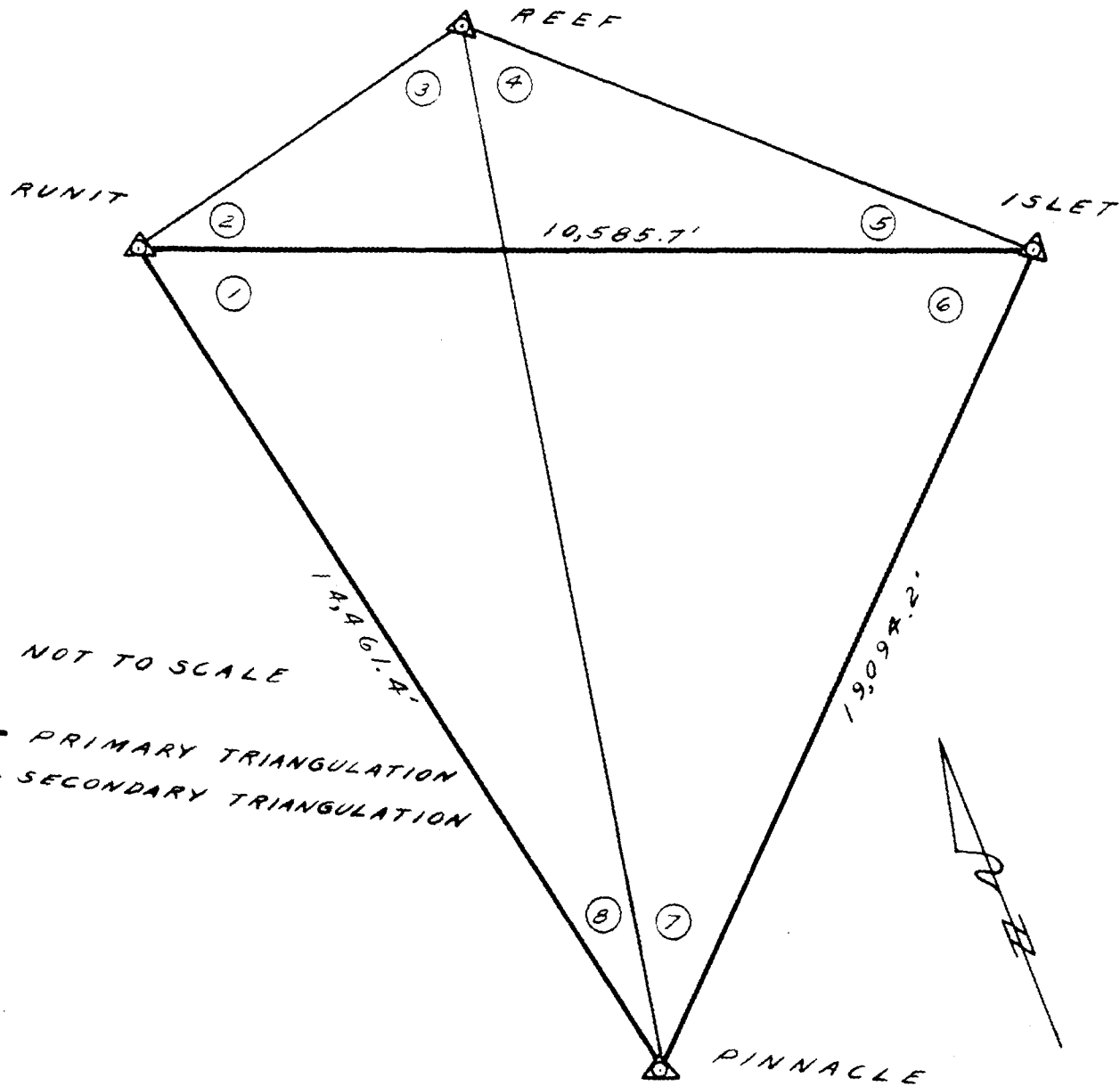
— PRIMARY TRIANGULATION
— SECONDARY TRIANGULATION

ADJUSTED ANGLES

①	4°-05'-06.5"	⑩	106°-30'-24.2"
②	21°-28'-00.5"	⑪	98°-55'-43.2"
③	99°-25'-56.8"	⑫	69°-42'-03.2"
④	45°-56'-26.9"	⑬	3°-47'-32.6"
⑤	116°-45'-13.6"	⑭	45°-41'-26.3"
⑥	38°-43'-21.4"	⑮	132°-24'-33.0"
⑦	28°-12'-19.1"	⑯	79°-53'-48.7"
⑧	33°-35'-54.3"	⑰	33°-10'-30.8"
⑨	43°-23'-16.0"	⑱	17°-18'-19.5"

ADJUSTED DISTANCES

V-ZERO	-	AOMON	4,140.9'
V-ZERO	-	60N	14,393.4'
V-ZERO	-	62N	14,593.9'
C-ZERO	-	60N	15,255.6'
C-ZERO	-	62N	14,923.1'
PIIRAAI	-	62N	123.28'
PIIRAAI	-	AOMON	10,891.6'
60N	-	62N	1,052.4'
N. BASE	-	C-ZERO	591.27'



NOT TO SCALE

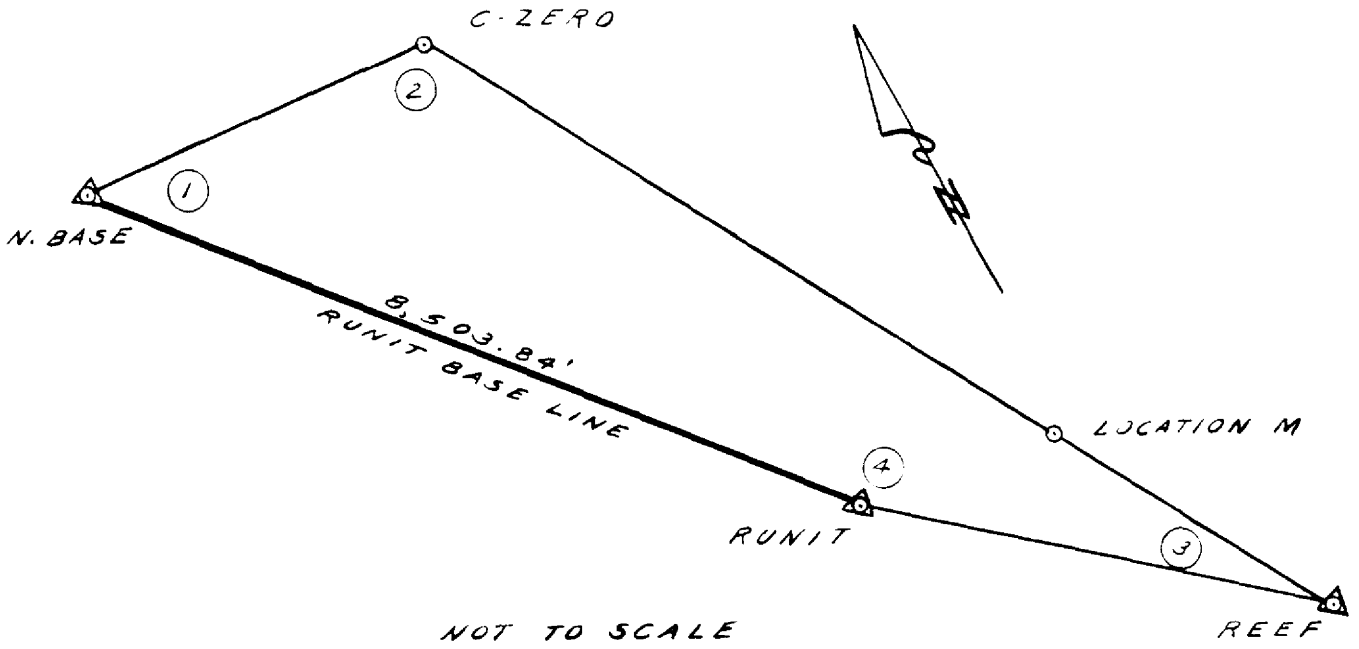
— PRIMARY TRIANGULATION
 — SECONDARY TRIANGULATION

ADJUSTED ANGLES

①	98°-08'-56.6"	⑤	4°-22'-35.6"
②	7°-10'-07.2"	⑥	48°-33'-58.9"
③	60°-36'-29.4"	⑦	19°-12'-37.7"
④	107°-50'-47.8"	⑧	14°-04'-26.8"

ADJUSTED DISTANCES

REEF - RUNIT	4,036.2'
REEF - ISLET	6,600.3'
REEF - PINNACLE	16,008.2'



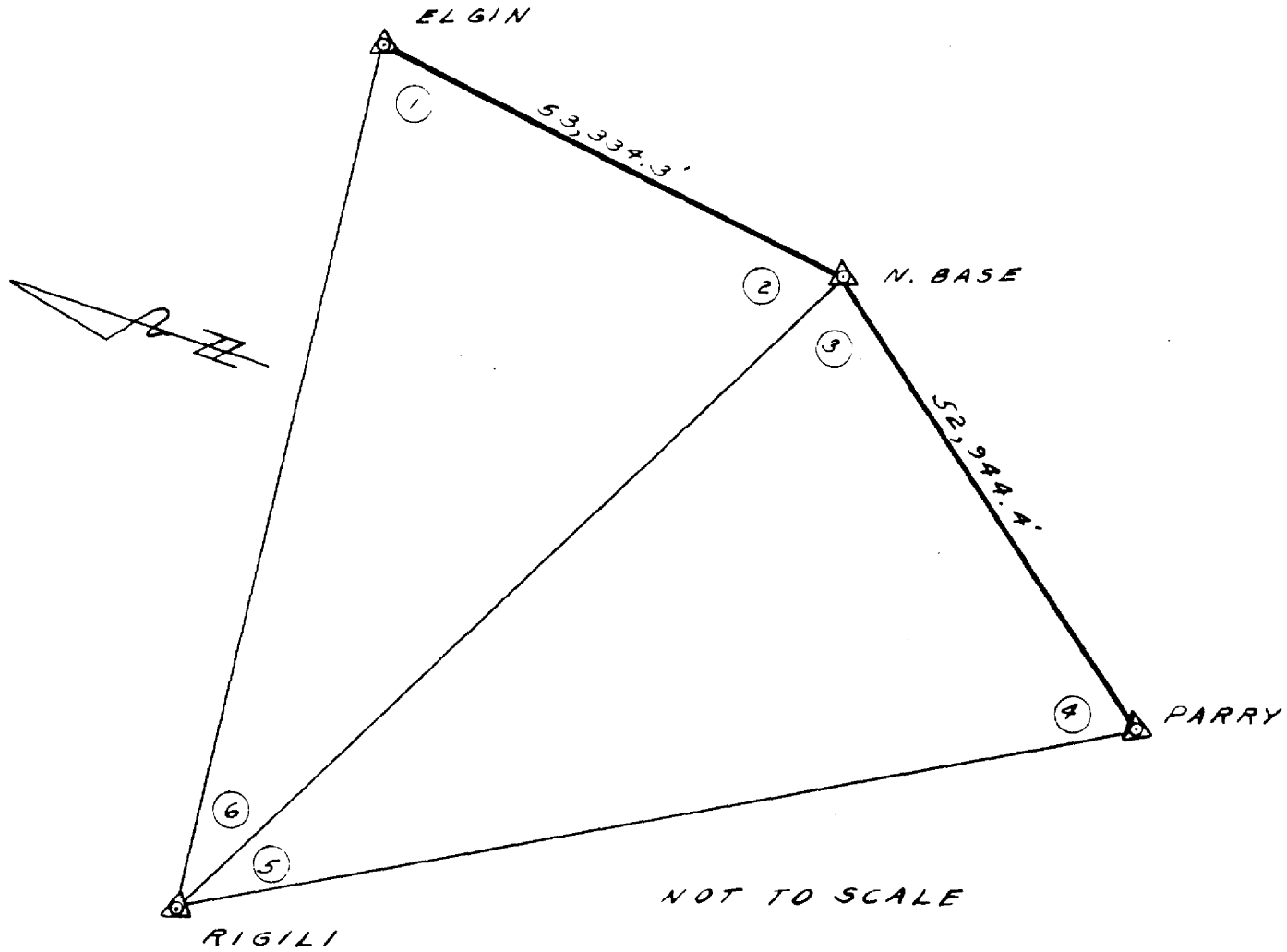
PRIMARY TRIANGULATION
 SECONDARY TRIANGULATION

ADJUSTED ANGLES

- ① $35^{\circ}-26'-55.9''$
- ② $142^{\circ}-25'-55.4''$
- ③ $0^{\circ}-39'-13.8''$
- ④ $181^{\circ}-27'-54.9''$

ADJUSTED DISTANCES

N. BASE - C-ZERO	591.27'
C-ZERO - LOC. M	12,000.0'
LOC. M - REEF	65.27'
REEF - RUNIT	4,036.2'



PRIMARY TRIANGULATION
 SECONDARY TRIANGULATION (3RD ORDER)

ADJUSTED ANGLES

① 81°-04'-39.2" ② 66°-20'-35.1" ③ 79°-34'-31.4"	④ 69°-53'-17.5" ⑤ 30°-32'-11.1" ⑥ 32°-34'-45.7"
---	---

ADJUSTED DISTANCES

RIGILI - ELGIN	90,724.7'
RIGILI - N. BASE	97,849.7'
RIGILI - PARRY	102,483.7'

HOLMES & NARVER, INC.
JOB 640

PHOTO TOWER TRIANGULATION
BRIEF SUMMARY OF WORK DONE

A. PURPOSE

The enclosed computations are a tabulation of data obtained from a triangulation survey. This survey was requested for the purpose of confirming the positions of the photo towers constructed on Sites M, N, P & Q with respect to their "Zero Points".

B. GENERAL FEATURES

Second-order triangulation was specified for fixing the positions of these towers. The base expansion figure was developed through station coral from base lines existing on Runit and Engebi Islands. The figure extends northward from Site M through Sites C, N, V, P, E & Q.

All observations were made at night and a standard procedure was attempted throughout. With the exception of stations Elgin and Zero V all stations were occupied. On Sites N & Q traverse ties were made to the adjacent photo towers not included in the basic figure. During the observing period some rain and considerable high wind was experienced. The weather conditions together with interference from construction and scientific work in the tower areas decidedly effected the results of this survey.

C. COMPUTATION AND ADJUSTMENTS OF TRIANGULATION

For the single chain of triangles shown for the basic figure (see page 1 of computations) the angle adjustment should have been made in two steps, (1) The station adjustment to make the sum of the angles around each point equal 360° , and (2) the figure adjustment to make the sum of the three angles in each triangle equal 180° . In precise triangulation the station adjustment and the figure adjustment are made in one operation, by the methods involving the principal of least squares. The enclosed approximate method was used due to inconsistencies

in the field work, time available and the lack of trained personnel familiar with higher surveying.

The method used adjusts the triangles in three groups which were then adjusted to give geometric conditions which fit the basic figure. This approximate solution yields results that are felt to be sufficiently accurate to verify and fix the position of the photo towers.

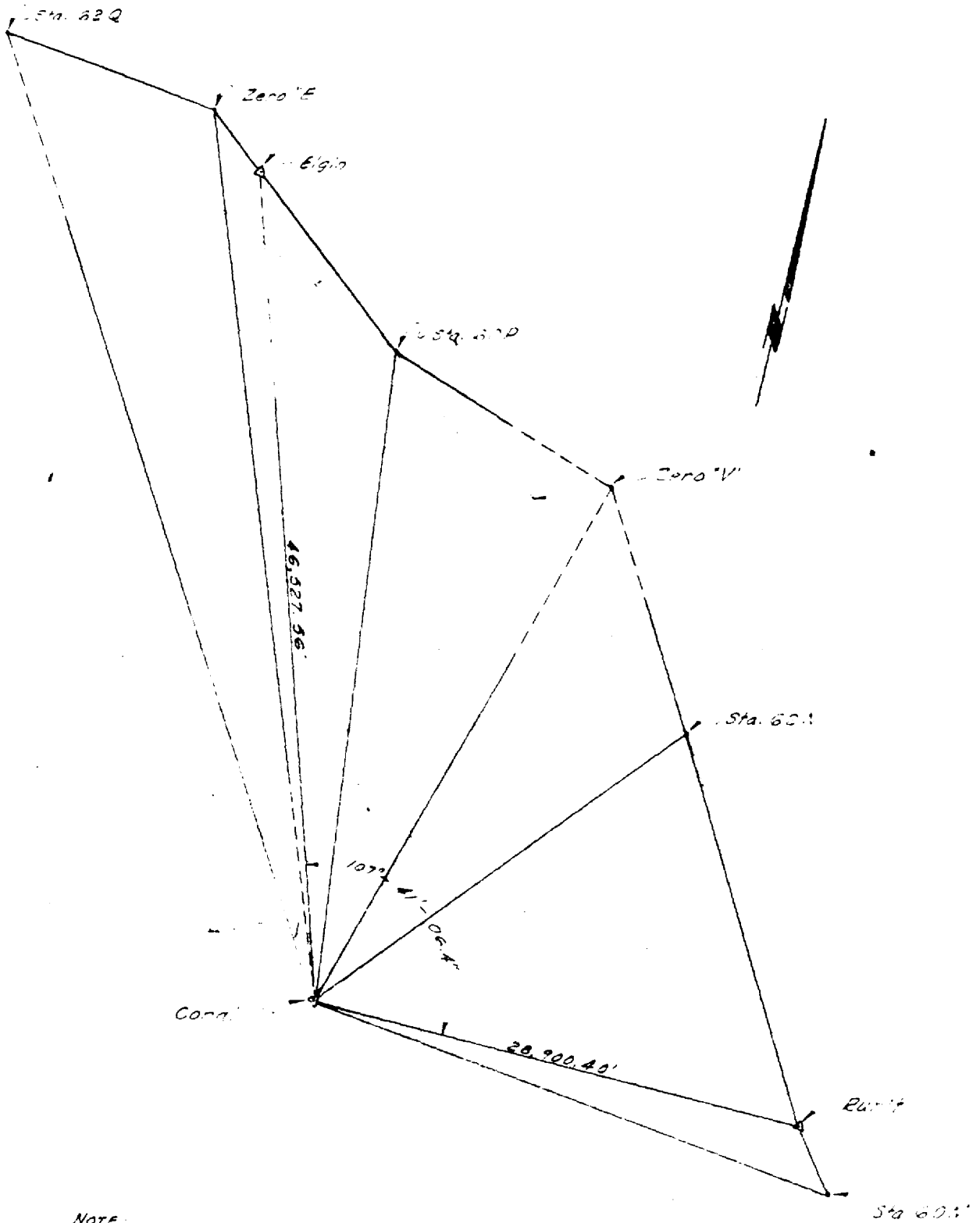
After the figures were adjusted the lengths of the sides were computed from two previously computed lines (1. Coral to Runit, and 2. Coral to Zero "E") to a common line (Coral to Zero "V") about midway between the two given lines. The accepted base sides were taken from information given in Holmes & Narver Job 640 Horizontal Control Report 1949-50. It still remains to be seen whether the angles, as so adjusted, are so related as to make the value of the length of a computed side independent of the route used. This was not done due to conditions mentioned above, and it is felt that the known conditions are such that they would not justify the extra work of further adjustment.

T. A. Kerr

T. A. KERR
PRINCIPAL ENGINEER
SURVEYS

18 May 1951

PHOTO TOWER TRIANGULATION
BASIC FIGURE

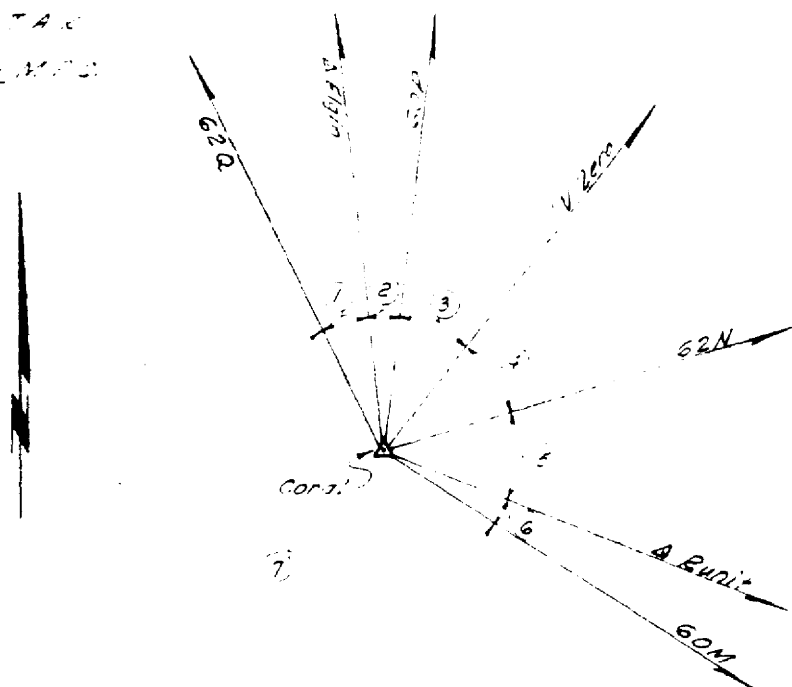


NOTE:
 Unobserved directions are shown by dotted lines.
 Given values were taken from Holmes & Narver Horizontal
 Control Report 1949-50.

PHOTO TOWER TRIANGULATION
STATION ADJUSTMENT

DATE: 5-6-51
CALC. BY: T.A.R.
CARD BY: M.F.S.

SKETCH:

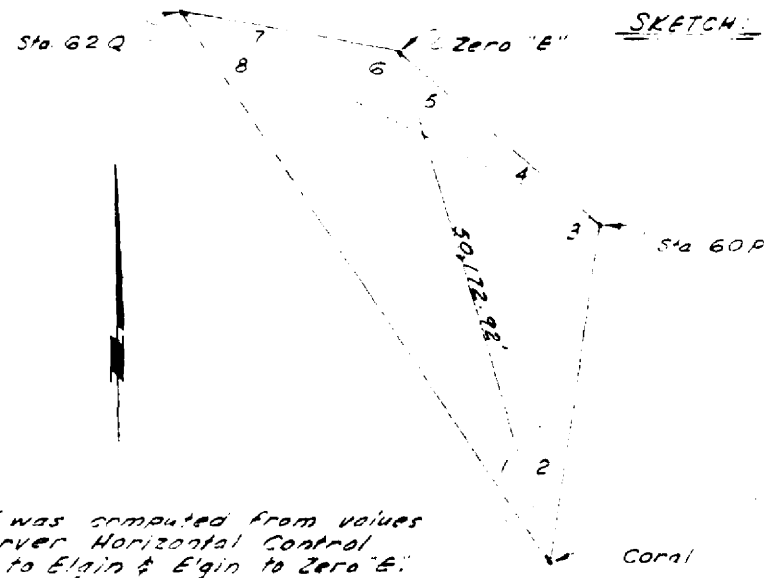


STATION: Corra

ANGLE	CALCULATED VALUE	OBSERVED VALUE	DIFFERENCE	ADJUSTED VALUE
1	14°-18'-50.4"	14°-18'-55.7"	+ 05.3"	14°-18'-55.3"
2	11-28-01.9	11-27-59.6	- 02.3	11-27-59.3
3	22-57-18.4	22-57-19.9	+ 01.5	22-57-19.6
4	24-27-10.4	24-27-08.2	- 02.2	24-27-07.9
5	48-48-35.8	48-48-40.3	+ 05.0	48-48-40.4
6	5-49-18.6	5-49-17.5	- 01.1	5-49-17.2
7	232-10-44.5	232-10-40.7	- 03.8	232-10-40.3
Sum	360-00-00.0	360-00-02.4	+ 02.4	360-00-00.0
			- 00.34"/ang.	
1-6	127-49-15.5	127-49-18.2	+ 02.7	127-49-19.7
2-5	107-41-06.4	107-41-08.2	+ 02.1	107-41-07.2

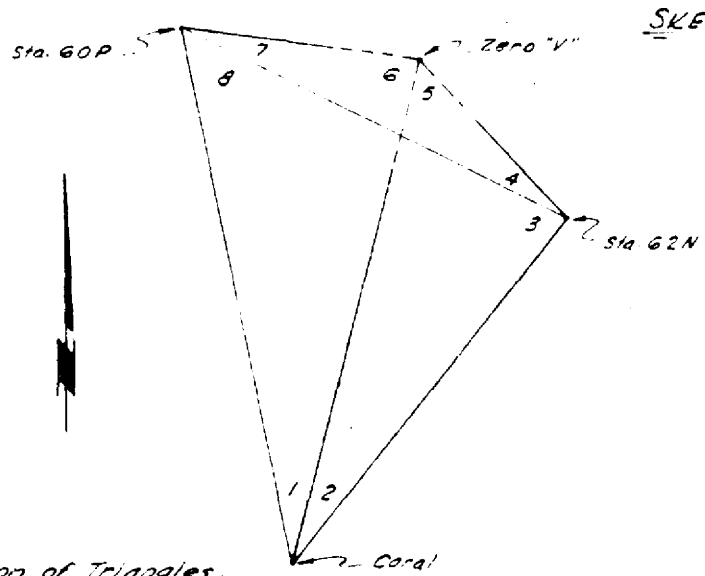
PHOTO TOWER TRIANGULATION
FIGURE ADJUSTMENT

DATE: 5-6-51
CALC. BY: T.A.L.
CHKD BY: M.P.C.



NOTE:
Distance Coral to Zero 'E' was computed from values taken from Holmes & Narver Horizontal Control Report 1949-50; Coral to Elgin & Elgin to Zero 'E'. See Page 6 for Computation of Triangles.

TRIANGLE	ANGLE	CALCULATED	OBSERVED	ADJUSTED
Coral	1	12°-00'-06.4"	12°-00'-07.6"	12°-00'-07.6"
Zero "E"	6	113-03-28.4	+113-03-16.3	113-03-16.3
Sta 62Q	7+8	<u>54-56-25.2</u>	<u>54-56-23.9</u>	<u>54-56-30.1</u>
	Sum	180-00-00.0	54-56-36.1	180-00-00.0
Coral	2	13-46-45.8	13-46-47.0	13-46-47.0
Sta 60P	3+4	135-05-37.2	135-05-37.4	135-05-37.4
Zero "E"	5	<u>31-07-37.0</u>	<u>31-07-35.6</u>	<u>31-07-35.6</u>
	Sum	180-00-00.0	135-05-37.4	180-00-00.0
Sta 60P	4	15-17-59.5	15-17-54.2	15-17-54.2
Zero "E"	5+6	144-11-05.4	144-10-51.9	144-10-51.9
Sta 62Q	7	<u>20-30-55.1</u>	<u>20-31-11.0</u>	<u>20-31-13.1</u>
	Sum	180-00-00.0	179-59-57.1	180-00-00.0
Coral	1+2	25-46-52.2	25-46-54.6	25-46-54.6
Sta 60P	3	119-47-37.7	+119-47-43.2	119-47-43.2
Sta 62Q	8	<u>34-25-22.1</u>	<u>34-25-22.2</u>	<u>34-25-22.2</u>
	Sum	180-00-00.0	34-25-22.2	180-00-00.0

PHOTO TOWER TRIANGULATIONFIGURE ADJUSTMENTDATE: 5-6-51CALC. BY: T.A.S.CHKD. BY: M.P.C.NOTE:

See Page 6 for Computation of Triangles.

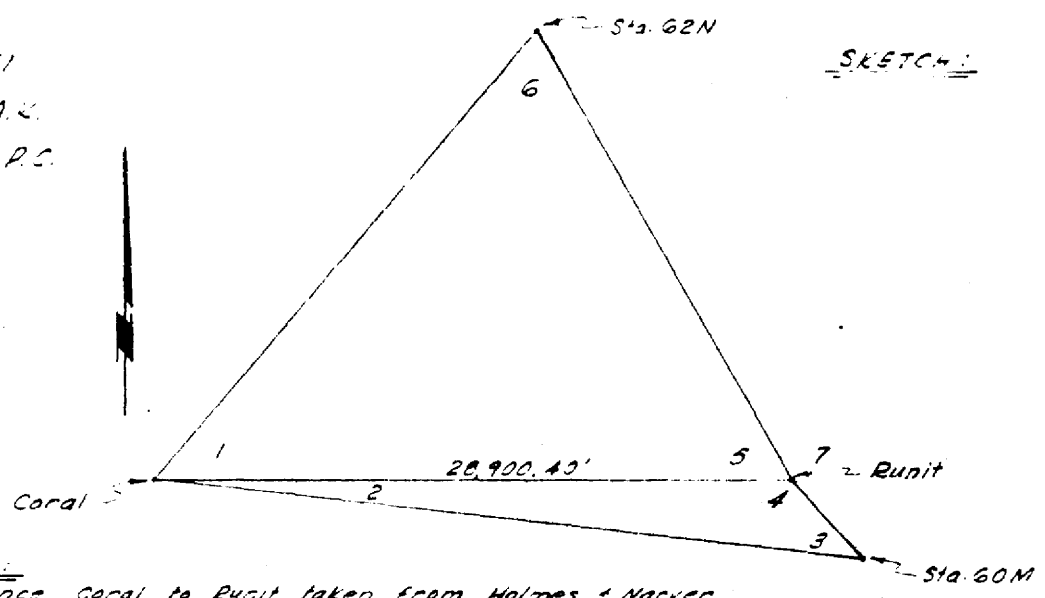
TRIANGLE	ANGLE	CALCULATED	OBSERVED	ADJUSTED
Coral	1	22°-57'-18.4"	22°-57'-19.4"	22°-57'-19.6"
Sta 60P	7+8	66-12-59.4	66-13-00.3	66-13-00.3
Zero "V"	6	<u>90-49-42.2</u>		<u>90-49-40.1</u>
	Sum	180-00-00.2		180-00-00.0
Coral	2	24-27-10.4	24-27-08.2	24-27-07.7
Sta 62N	3+4	107-30-31.0	107-30-26.1	107-30-26.1
Zero "V"	5	<u>48-02-18.6</u>		<u>48-02-26.0</u>
	Sum	180-00-00.0		180-00-00.0
Coral	1+2	47-24-28.8	47-24-28.1	47-24-27.5
Sta 62N	3	87-08-17.5	87-08-18.3	87-08-15.3
Sta 60P	8	<u>45-27-13.7</u>	<u>45-27-20.3</u>	<u>45-27-17.2</u>
	Sum	180-00-00.0	180-00-06.7	180-00-00.0
Sta. 60P	7	20-45-45.7	20-45-40.0	20-45-43.1
Sta 62N	4	20-22-13.5	30-22-07.8	20-22-10.8
Zero "V"	5+6	<u>138-52-00.8</u>		<u>138-52-06.1</u>
	Sum	180-00-00.0		180-00-00.0

PHOTO TOWER TRIANGULATION

FIGURE ADJUSTMENT

DATE: 5-7-51
CALC. BY: T.A.L.
CHKD. BY: M.P.C.

SKETCH:



NOTE:
 Distance Coral to Runit taken from Holmes & Narver
 Horizontal Control Report 1949-50.
 See Page 6 for Computation of Triangles

TRIANGLE	ANGLE	CALCULATED	OBSERVED	ADJUSTED
Adjustment of Δ Runit	4	126°-35'-39.9"	126°-35'-32.2"	126°-35'-30.2"
	5	59-28-06.8	59-28-09.5	59-28-07.5
	7	<u>173-56-13.3</u>	<u>173-56-24.2</u>	<u>173-56-22.3</u>
	Sum	360-00-00.0	360-00-05.9	360-00-00.0
			Error +05.9"	
			Cor. -01.97"/Ang.	
Coral Sta 60M Runit	2	5-49-18.6	5-49-17.5	5-49-17.2
	3	47-35-01.5	47-34-56.8	47-35-12.6
	4	<u>126-35-39.9</u>	<u>126-35-32.2</u>	<u>126-35-30.2</u>
	Sum	180-00-00.0	179-59-46.5	180-00-00.0
			Error - 13.5"	
Coral Runit Sta. 62N	1	48-48-35.8	48-49-40.8	48-48-40.4
	5	59-28-06.8	59-28-09.5	59-28-07.5
	6	<u>71-43-17.4</u>	<u>71-43-11.4</u>	<u>71-43-12.1</u>
	Sum	180-00-00.0	180-00-01.7	180-00-00.0
			Error + 01.7"	

PHOTO TOWER TRIANGULATION

COMPUTATION OF TRIANGLES

DATE: 5-6-51
CALC. BY: TAK
CHKD. BY: MRC

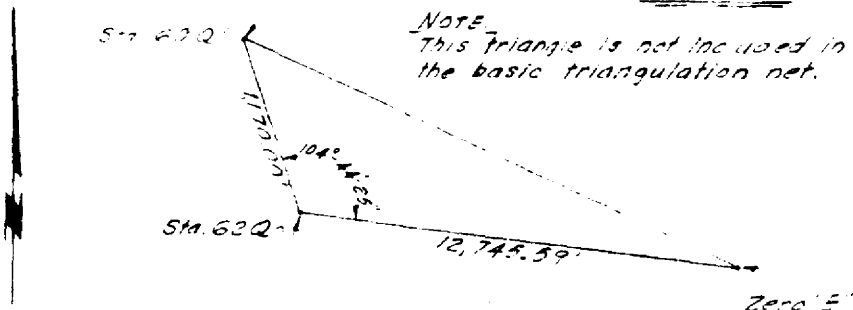
FORMULA:
 $\frac{a \sin B}{\sin A} = b$

TRIANGLE	ANG. B	ANG. A	a	SIN B	SIN A	b	PLAN VALUE	SIDE
C, E ₀ , 60P <small>See Figure Pg 3</small>	13°-46'-47.0"	135°-05'-37.4"	50,172.92	.23818974	.70592918	16,938.52'	16,928.09'	E ₀ to 60P
	31-07-35.6	135-05-37.4	50,172.92	.51693014	.70594718	36,739.04	36,739.32	C to 60P
C, E ₀ , 62Q	12-00-07.6	54-56-36.1	50,172.92	.20794779	.81859465	12,745.59	12,745.73	E ₀ to 62Q
	113-03-16.3	54-56-36.1	50,172.92	.92019258	.81858465	56,397.02	56,397.71	C to 62Q
C, 62Q, 60P	25-46-54.6	34-35-22.2	36,737.04	.43474562	.56529578	28,267.47	28,265.46	62Q to 60P
	25-46-54.6	119-47-43.2	56,397.02	.43474562	.86790593	28,266.27	28,265.46	62Q to 60P
C, 62N, R <small>See Figure Pg 3</small>	48-48-40.4	71-43-12.1	28,900.4	.75254391	.94753517	22,904.70	22,904.16	62N to R
	59-28-07.5	71-43-12.1	28,900.4	.86135222	.94753517	36,216.43	36,215.35	C to 62N
C, R, 60M	5-49-17.2	47-35-12.6	28,900.4	.10142866	.73830036	3,977.57	3,979.90	R to 60M
	126-35-30.2	47-35-12.6	28,900.4	.80290360	.73830036	31,421.26	31,421.92	C to 60M
C, 60P, 62V <small>See Figure Pg 4</small>	47-24-27.5	45-04-17.2	36,216.43	.73614733	.71261722	27,080.52	27,081.01	60P to 62V
	47-24-27.5	87-08-15.3	36,739.04	.73618733	.99875233	27,080.60	27,081.01	60P to 62V
C, 60P, V ₀	22-57-19.6	90-47-40.1	36,737.04	.37001519	.99789563	14,330.28	14,330.22	60P to V ₀
	66-13-00.3	90-47-40.1	36,737.04	.91507761	.99789563	33,622.58	33,622.88	C to V ₀
C, V ₀ , 62N	24-27-07.9	48-02-26.0	26,216.43	.41373386	.74361827	14,573.33	14,574.15	V ₀ to 62N
	107-30-26.1	48-02-26.0	26,216.43	.95367887	.74361827	33,622.16	33,622.88	C to V ₀

PHOTO TOWER TRIANGULATION
COMPUTATION OF TRIANGLES

DATE: 5-7-51
CALC. BY: T.A.K.
CHKD. BY: M.P.C.

SKETCH:



NOTE:
This triangle is not included in the basic triangulation net.

GIVEN: Two sides & the included angle.
Side 60Q to 62Q = 1,170.00' Chained
Side 62Q to Zero "E" = 12,745.59' Computed (See Page 6)
Angle at 62Q = 104°-44'-25.0" Observed

SOLVE FOR: Side 60Q to Zero "E"

FORMULA: $a = \sqrt{b^2 + c^2 - 2bc \cos A}$

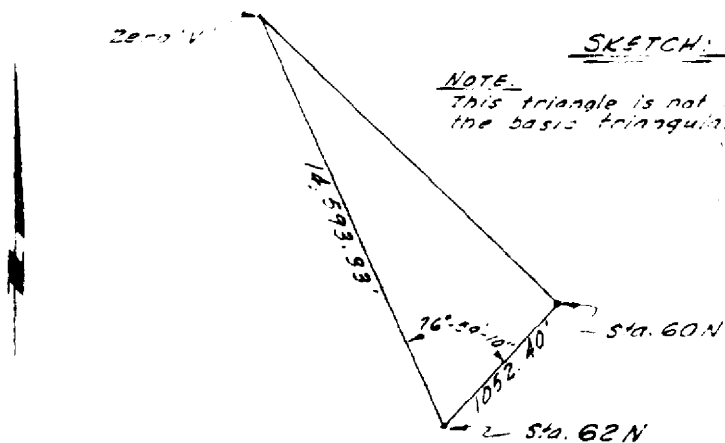
SOLUTION:

$$\begin{aligned}
 60Q, E_0 &= \sqrt{(1,170.00)^2 + (12,745.59)^2 - 2 \times 1,170 \times 12,745.59 \cos A} \\
 &= \sqrt{1,368,900.00 + 162,450,064.45 - 29,824.68 \cos A} \\
 &= \sqrt{163,818,964.45 - (29,824.68)(-.25443785)} \\
 &= \sqrt{163,818,964.45 + 7,586,527.46} \\
 &= \sqrt{171,407,491.91} \\
 &= \underline{13,092.27'}
 \end{aligned}$$

PLAN VALUE = 13,092.33'

PHOTO TOWER TRIANGULATION
COMPUTATION OF TRIANGLES

DATE: 5-7-51
CALC. BY: T.A.C.
CHKD. BY: M.R.C.



NOTE:

This triangle is not included in the basic triangulation net.

GIVEN: Two Sides & The Included Angle
Side 60N to 62N = 1,052.40' Chained
Side 62N to Zero V = 14,593.93' Computed (see Page 6)
Angle at 62N = 76° 59' 10.3" Observed.

SOLVE FOR: Side 60N to Zero V

FORMULA: $a = \sqrt{b^2 + c^2 - 2bc \cos A}$

SOLUTION:

$$\begin{aligned} 60N, 76 &= \sqrt{(1052.40)^2 + (14,593.93)^2 - 2 \times 1052.40 \times 14,593.93 \cos 76^\circ 59' 10.3''} \\ &= \sqrt{1,107,545.76 + 212,965,280.49 - 30,716,540.98 \times .22519582} \\ &= \sqrt{214,072,826.35 - 6,916,816.87} \\ &= \sqrt{207,156,009.38} \\ &= \underline{14,392.92'} \end{aligned}$$

PLAN VALUE: 14,392.45'

PHOTO TOWER TRIANGULATION

COMPUTATION OF BEARING & DISTANCE

DATE: 5-7-51
 CALC. BY: M.P.C.
 CHKD. BY: J.A.E.

ZERO "C" TO STA. 60M, 62N & 60N

COMPUTATION OF COORDINATES: Based upon computation of triangles page 6 & Field Sketch #86.

STATION	BEARING	DISTANCE	COS	SIN	LAT.	DEP.	COORDINATES	
							N-S	E-W
Right							N 8462.01	E 5531.15
60M	S 35-44-57.5E	3970.37	.81158106	.58423989	S 3222.28	E 2319.65	N 5239.73	E 7850.80
62N	N 29-41-19.8 W	22904.70	.86672806	.49528938	N 19897.96	W 11344.45	N 28359.97	W 5813.30
60N	N 46-31-28.7 E	1052.40	.68804258	.72567032	N 724.10	E 763.72	N 29084.07	W 5047.60

COMPUTATION OF BEARING & DISTANCE: Based upon the above coordinates & Field Sketch #86.

STATION	COORDINATES		LAT.	DEP.	TAN	DEAR.	COS	DIST.
	N-S	E-W						
Zero 'C'	N 15058.71	E 953.33						
60M	N 5239.73	E 7850.80	S 9818.98	E 6897.47	.70246293	S 35-05-11.8E	.81828407	11,711.48'
62N	N 28359.97	W 5813.30	N 13301.26	W 6766.63	.50872098	N 26-57-44.3 W	.89159643	14,923.50'
60N	N 29084.07	W 5047.60	N 14025.36	W 6002.93	.42800541	N 33-10-16.3 W	.91733348	15,255.01'

PLAN VALUES:

STATION	FROM ZERO 'C'	
	BEAR.	DIST.
60M	S 35-05-15.1 E	12,000.00'
62N	N 26-57-44.1 W	14,923.16'
60N	N 23-10-50 W	15,255.71'

COMPUTATION SHEET

READINGS & DISTANCE, ET ZERO TO STA. 600
- SITE "ET" -

REFERENCE:
 A.E.C. Work Order No 946
 Basis of COORDINATES - SITE "E" Grid.

DATE: 5-21-51
 COMP BY: A.P.O.
 CHK'D BY: T.A.K.

STATION	COORDINATES		LAT.	DEP.	TAN	BEAR.	COS	DIST.
	N-S	E-W						
Et Zero (New)	N 6553.61	E 3869.90						
600	S. 5723.07	E. 14001.91	5.12376.68	E 10132.61	181869562	S. 39-19-24/5	77376620	15,995.97
Et Zero (Old)	N. 6655.00	E 3860.00						
600	S. 5723.07	E. 14001.91	512378.07	E 10141.91	181934502	S. 39-19-45.55	77351614	16,002.34

SKETCH

