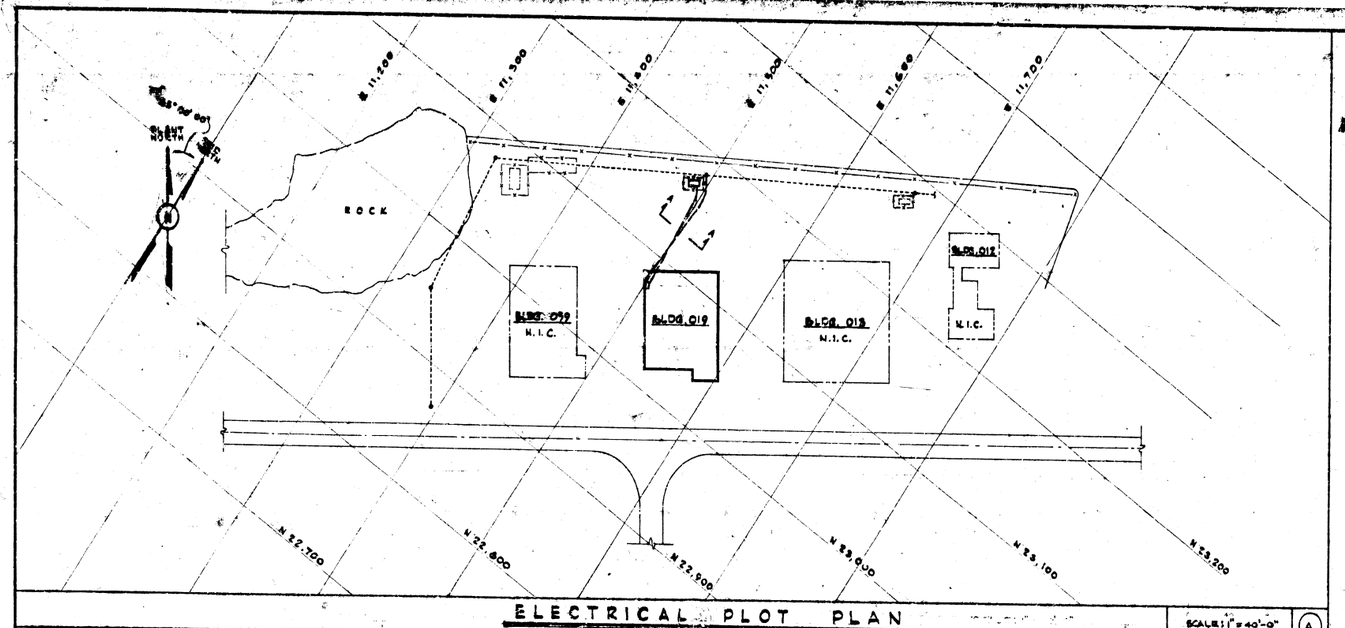
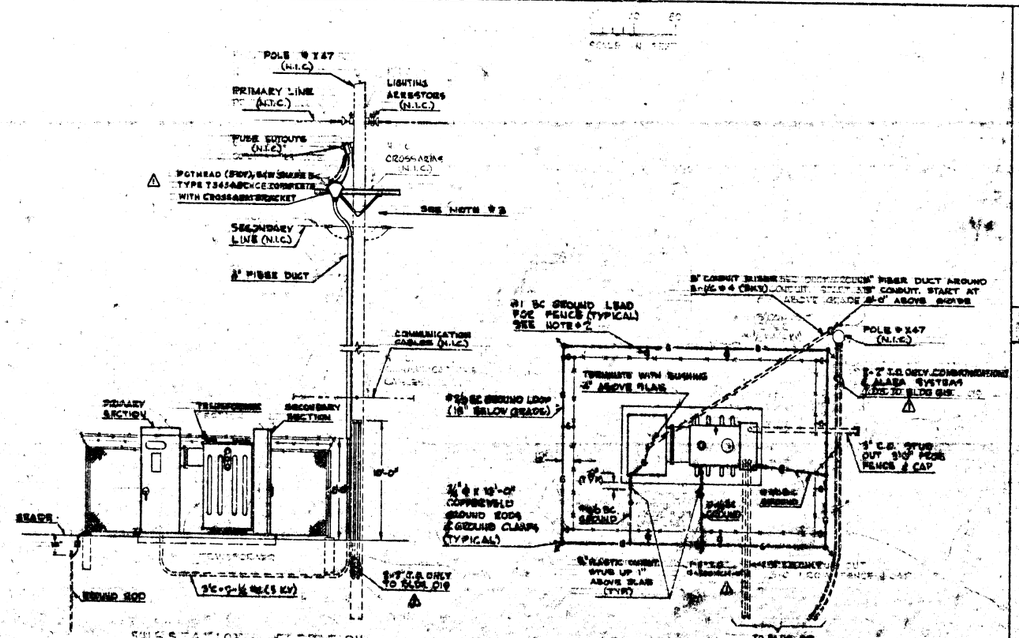
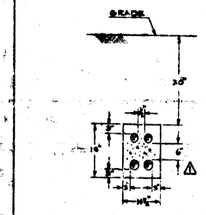


ELECTRICAL PLOT PLAN — SCALE: 1" = 40'-0" — (A)



OUTDOOR UNIT SUBSTATION — SCALE: 1/2" = 1'-0" — (B)



SECTION THRU DUCT RUN — SCALE IN FEET — (C)

NOTES:

1. FOR LOCATION & FOUNDATION OF SUBSTATION SEE CIVIL DWG. C-3.
2. CADWELD ALL GROUNDING LEADS TO GROUND LOOP USE BOLT TYPE GROUND CLAMPS TO SECURE GROUND LOOP TO GROUND BOSS & TO FENCE POSTS.
3. CONTRACTORS WORK TO START AT LOAD SIDE OF FUSE CUTOUTS. POLE & OVERHEAD LINE MATERIALS ARE NOT IN CONTRACT.

HALF SIZE PRINT

SYMBOL LIST.

	FLOURESCENT LIGHTING FIXTURE
	INCANDESCENT WALL MTD. LIGHTING FIXTURE
	INCANDESCENT WALL MTD. WARNING LIGHT
	EMERGENCY BATTERY OPERATED LIGHT
	SINGLE POLE TOGGLE SWITCH
	SINGLE POLE TOGGLE SWITCH. LOWER CASE LETTER INDICATES FIXTURES CONTROLLED
	SINGLE POLE TOGGLE SWITCH WITH PILOT LIGHT
	HIGH-LOW-OFF SELECTOR SWITCH WITH PILOT LIGHT
	MOTOR CONTROL CENTER
	AUXILIARY POWER PANEL
	LIGHTING PANEL
	SPECIAL PANEL, FUNCTION AS NOTED
	CONDUIT RUN - EXPOSED
	CONDUIT RUN - CONCEALED IN WALLS OR CEILING
	CONDUIT RUN - CONCEALED IN OR UNDER FLR. OR EARTH
	DASH MARKS INDICATE NUMBER OF #12 WIRES IN ¾" MINIMUM CONDUIT. NO DASH MARKS INDICATE #14 T.C. WITH 2 #12 WIRES UNLESS OTHERWISE NOTED.
A-12	ARROW INDICATES HOMERUN 'A' INDICATES PANEL, '12' INDICATE CIRCUIT NUMBERS
	JUNCTION BOX, 4" SQUARE MINIMUM
	120 V. 1ϕ DUPLEX RECEPTACLE OUTLET
	480 V. 3ϕ 4 WIRE OUTLET (STYLE AS SHOWN)
	MICRO DOOR SWITCH
	SINGLE PHASE ELECTRIC MOTOR, No. INDICATES HP
	THREE PHASE ELECTRIC MOTOR, No. INDICATES HP
	GAS FIRED UNIT HEATER
	STRIP HEATER, SIZE AS NOTED
	THERMOSTAT
	TRANSFORMER, TYPE AND SIZE AS NOTED
	HORN, 120 V. 1ϕ, TYPE AS NOTED
	SIREN, 120 V. 1ϕ, TYPE AS NOTED
	ROTARY METER SWITCH
	WATT-HOUR METER WITH RADIUM DRAND
	VOLT METER
	AMMETER
	TIME SWITCH
	DISCONNECT SWITCH, SIZE AS NOTED
	FUSED DISCONNECT SWITCH, SIZE AS NOTED
	MAGNETIC MOTOR STARTER, SIZE AS NOTED
	COMB. DISC. SW. & MAG. MOTOR STARTER
—6—	#6 AWG COPPER GROUND WIRE, SIZE AS NOTED
	CADWELD CONNECTION
	GROUND ROD
	LIGHTNING ARRESTOR
	POTHEAD
	OIL FUSE CUTOUT
	DISCONNECT
	TRANSFORMER
	CIRCUIT BREAKER: POLES, FRAME & TRIP AS NOTED
	PLUG-IN MATING CONNECTOR
	FUSE, SIZE AS NOTED
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER
	INDICATES EQUIPMENT FURNISHED BY OTHERS
	INDICATES EQUIPMENT ENCLOSURE
N.I.C.	INDICATES NOT IN CONTRACT
C.C.	INDICATES CONDUIT ONLY WITH #14 G.I. PULL WIRE
W.P.	INDICATES WEATHER PROOF
	MANUAL FIRE ALARM STATION
	HEAT ACTUATED DEVICE
	RADIATION DETECTOR, MOUNT +0'-6"
	MERCURY DETECTOR, MOUNT +6'-0"
	MOMENTARY CONTACT SWITCH
	COMBINATION SWITCH AND RECEPTACLE OUTLET
	LIMIT SWITCH

NORMAN ENGINEERING CO. — CONSULTING ENGINEERS — LOS ANGELES, CALIFORNIA

U.S. ATOMIC ENERGY COMMISSION — CHICAGO OPERATIONS OFFICE — SNAP FACILITIES-SANTA SUSANA, CALIFORNIA

ATOMICS INTERNATIONAL — DIV. OF NORTH AMERICAN AVIATION, INC. — U.S. ATOMIC ENERGY COMMISSION

DRAWN: O. DE BRUIN — CHECKED: W. VERPLANK — APPROVED: [illegible] — DATE: 3-8-61

BUILDING 019 — SNAP FLIGHT SYSTEMS PROTOTYPE — NUCLEAR TEST FACILITY

SUBSTATION PLOT PLAN & UNIT SUBSTATION

903-019-E1

E-1