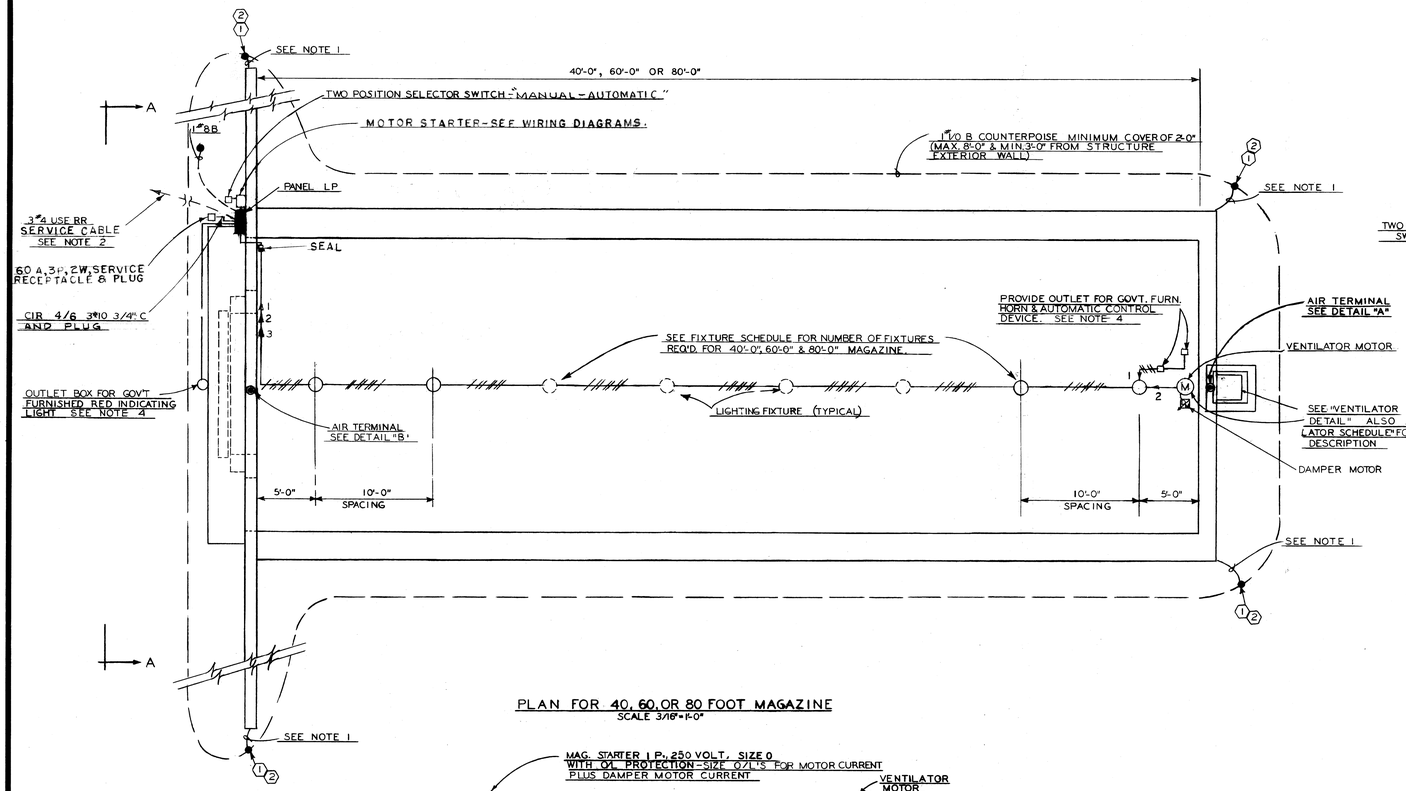
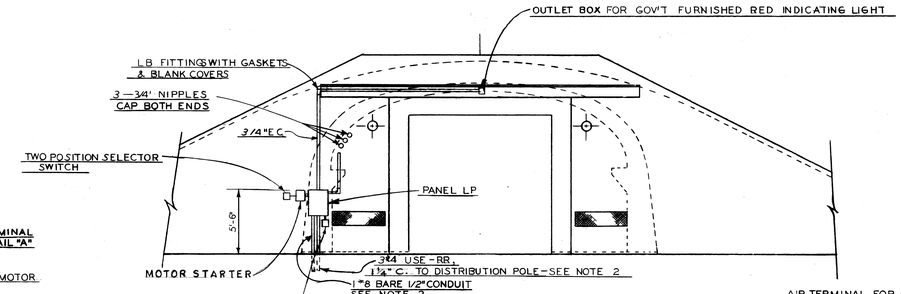
CORPS OF ENGINEERS

U. S. ARMY

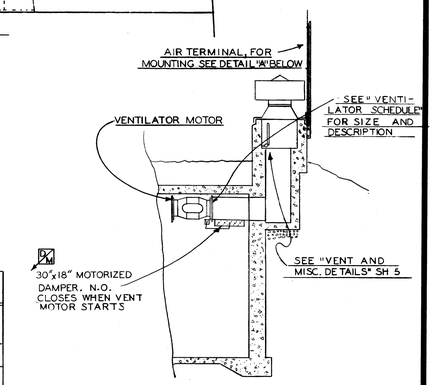
8-8-57
11-28-57



PLAN FOR 40, 60, OR 80 FOOT MAGAZINE
SCALE 3/16"=1'-0"



ELEVATION A-A
SCALE: 3/16"=1'-0"



VENTILATOR INSTALLATION DETAIL
SCALE: 3/16"=1'-0"

FIXTURE SCHEDULE FOR 40'-0", 60'-0" AND 80'-0" MAGAZINE			
	NO REQ'D FOR 40'-0" MAGAZINE	NO REQ'D FOR 60'-0" MAGAZINE	NO REQ'D FOR 80'-0" MAGAZINE
	4	6	8

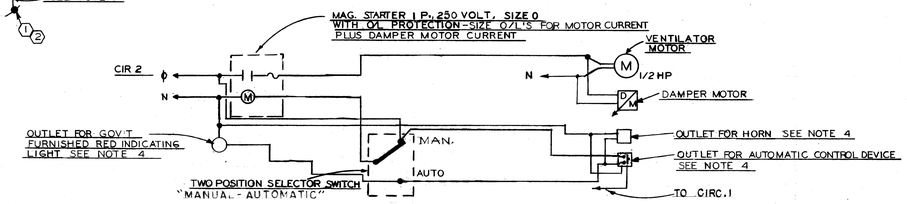


DIAGRAM FOR 80'-0" MAGAZINE ONLY

LIGHTING FIXTURE
NO SCALE

LIGHT FIXTURE, 200 W, C-H NO. EVCX 3356-S357 WITH EV381 REFLECTOR, OR EQUAL.

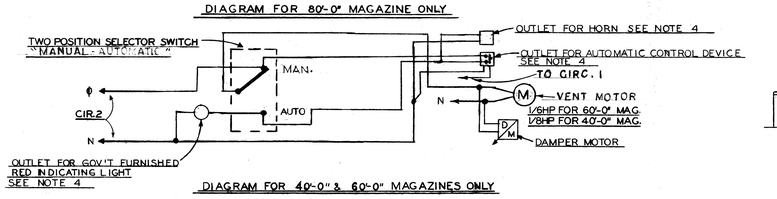
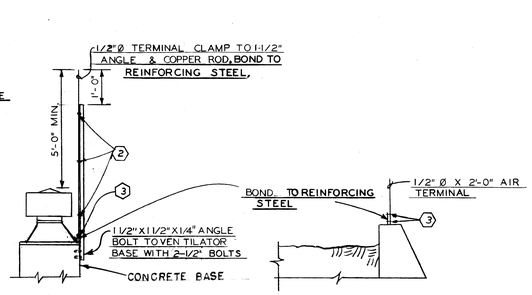


DIAGRAM FOR 40'-0" & 60'-0" MAGAZINES ONLY

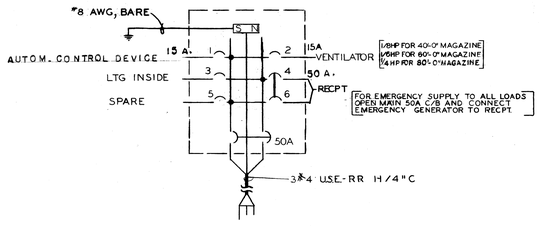
CONTROL WIRING DIAGRAM
FOR 40'-0", 60'-0" & 80'-0" MAGAZINES



AIR TERMINAL DETAIL "A"
NO SCALE

AIR TERMINAL DETAIL "B"
NO SCALE

PANEL LP
120/240V 1Ø 3W C/B
PANEL-50A. MAINS,
20A. BRANCH C/B'S.
EXCEPT AS NOTED.



VENTILATOR SCHEDULE FOR 40'-0", 60'-0" AND 80'-0" MAGAZINE									
MAG. SIZE	EXHAUST FAN DESCRIPTION		CFM	STATIC PRESSURE	RPM	H.P.	VOLTAGE	PHASE	FREQ.
40'-0" MAG.	AXIAL FLOW EXHAUST FAN, NON-SPARKING CONSTRUCTION WITH MOTOR OUT OF AIR STREAM AND SUITABLE FOR CLASS I GROUP D AND CLASS II GROUP G ATMOSPHERES.		1020	1/4"	1750	1/8	115	1	60
60'-0" MAG.	//		1370	1/4"	1150	1/6	115	1	60
80'-0" MAG.	//		2610	1/4"	1750	1/2	115	1	60

LIGHTNING PROTECTION SYMBOLS AND GENERAL NOTES

(1) 3/4" X 10'-0" COPPERCLAD GROUND ROD
(2) "U" BOLT PERPENDICULAR PRESSURE CLAMP
(3) "U" BOLT PARALLEL PRESSURE CLAMP

NOTE-1. CONNECTONS TO COUNTERPOISE FROM BUILDING REINFORCING STEEL SHALL BE AS INDICATED ON SHEETS 3, 6 & 7.

NOTE-2. TERMINATE CONDUITS AT POINT APPROX. 2'-0" BELOW FINISHED GRADE WITH APPROPRIATE ELBOW TYPE CONDUIT FITTING. INSTALL CABLE NOT LESS THAN 2'-0" BELOW FINISHED GRADE WITHOUT CONDUIT PROTECTION, EXCEPT UNDER PAVED AREAS AND ROADWAYS.

NOTE-3. WIRING SHALL BE NO. 12 SURFACE INSTALLED.

NOTE-4 EXTEND #12 CONDUCTORS INTO OUTLET 6 INCHES AND TAPE THE ENDS. (FOR FUTURE CONNECTIONS TO GOV'T FURNISHED EQUIP.)

NOTE-5 INTERIOR WIRING AND EQUIPMENT SHALL CONFORM WITH REQUIREMENTS OF N.E.C. FOR CLASS II, DIV. I, GROUP G, HAZ. INSTALLATION. EXTERIOR SWITCHING ENCLOSURES SHALL BE SHEET METAL, RAINTIGHT, NEMA TYPE 3R; WIRING AND WIRING DEVICES SHALL BE WATERTIGHT.

SYMBOL	DESCRIPTION	DATE	APPROVAL

REVISIONS

BLACK & VEATCH
CONSULTING ENGINEERS
KANSAS CITY, MISSOURI

DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ENGINEERS
MILITARY CONSTRUCTION — ENGINEERING DIVISION
WASHINGTON, D. C.

DRAWN BY: J.E.L. DTW
TRACED BY: J.E.L. DTW
CHECKED BY: RR
SUBMITTED BY: BLACK & VEATCH
APPROVED: CHIEF UTILITIES BRANCH
APPROVED: CHIEF, ENGINEERING DIVISION MIL. CONSTR., O.C.E.
DATE: 3 FEB 1958

MAGAZINE, STRADLEY TYPE
EARTH COVERED
ATOMIC BLAST RESISTANT
LIGHTING AND WIRING
MECHANICAL VENTILATION

APPROVED FOR:
DATE:

SCALE: AS NOTED
SPEC. NO. 33-15-58-57-CE
DRAWING NUMBER
SHEET 13
33-15-58

FILMED