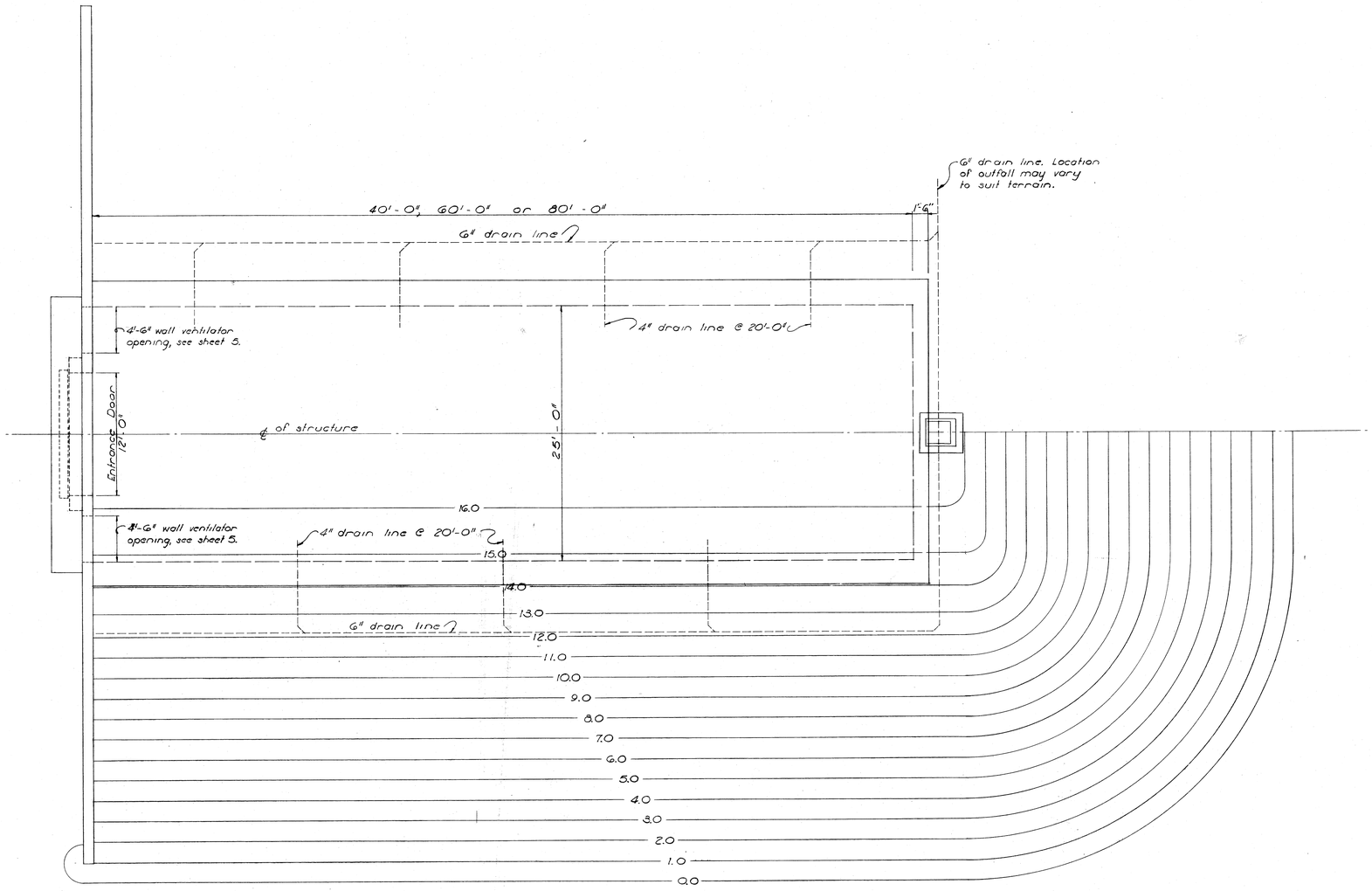
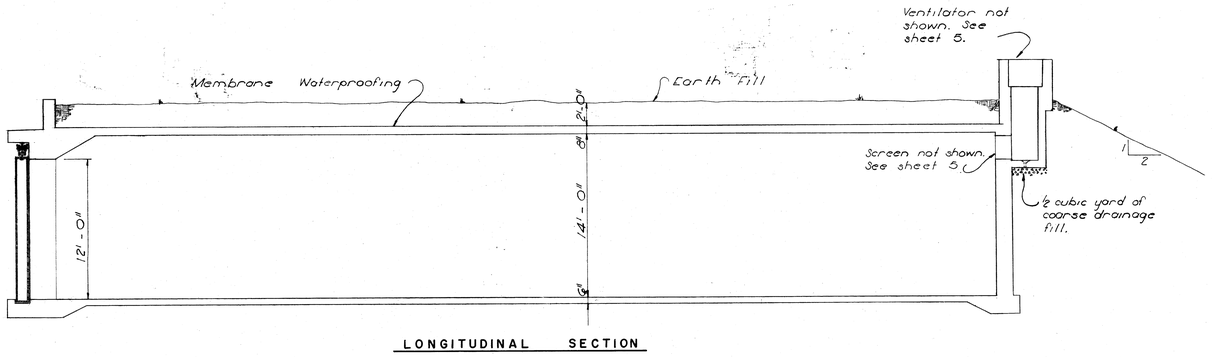
8-8-57
11-29-57



PLAN



LONGITUDINAL SECTION

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33-15-58	3	Reinforcing Details - Plan & Sections
33-15-58	4	Reinforcing Details - Arch and Rear Wall Footings
33-15-58	5	Vent and Miscellaneous Details
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Construction Alternates as indicated may be used at the direction of the contracting officer.

General Notes:

1. Elevations on Plan (contours) refer to a datum 0.00 at high point of finished floor of magazine.
2. Front wall footings may be provided with a frost curtain at the discretion of the contracting officer.
3. Structure to be provided with lightning protection system, including reinforcement steel bonding as shown on the drawings and as required by the specifications. (It is intended that all embedded metal be a part of a continuous electrical grounding system).
4. Allowable soil pressure for dead load & floor live load is 4000 lb. per sq. ft.
5. All concrete shall develop a minimum ultimate compressive strength at the end of 28 days of 3000 psi.
6. The concrete for the floor slab, apron or loading platform shall develop a minimum ultimate flexural strength at the end of 28 days of 650 psi.
7. Reinforcing bars to be intermediate billet steel, $f_s = 20{,}000$
8. 40'-0" Structure - Area = 1313 sq. ft. - Volume = 18,800 cu. ft.
   (a) 60'-0" Structure - Area = 1913 sq. ft. - Volume = 27,400 cu. ft.
   80'-0" Structure - Area = 2513 sq. ft. - Volume = 36,000 cu. ft.
9. Lap all reinforcing steel 30 bar diameters unless noted otherwise.

SYMBOL	DESCRIPTION	DATE	APPROVAL
(a)	AREA & VOL. CHANGED	4 NOV 58	[illegible]

REVISIONS

BLACK & VEATCH
CONSULTING ENGINEERS
KANSAS CITY, MISSOURI

DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ENGINEERS
MILITARY CONSTRUCTION — ENGINEERING DIVISION
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DRAWN BY: GIC
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APPROVED: [illegible] CHIEF STRUCTURES BRANCH
APPROVED: [illegible] CHIEF, ENGINEERING DIVISION, MIL. CONSTR., O.C.E.
APPROVED FOR: CHIEF OF ORDNANCE
Robert C. Eyen COL. C.E.
DATE: 18 SEPT 57

MAGAZINE, STRADLEY TYPE
EARTH COVERED
ATOMIC BLAST RESISTANT
PLAN AND SECTION

DATE: 8 FEB 1958
SCALE: 3/16" = 1'-0"
SPEC. NO. 33-15-58-57-CE
DRAWING NUMBER 33-15-58
SHEET 1

FILMED
7-57
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