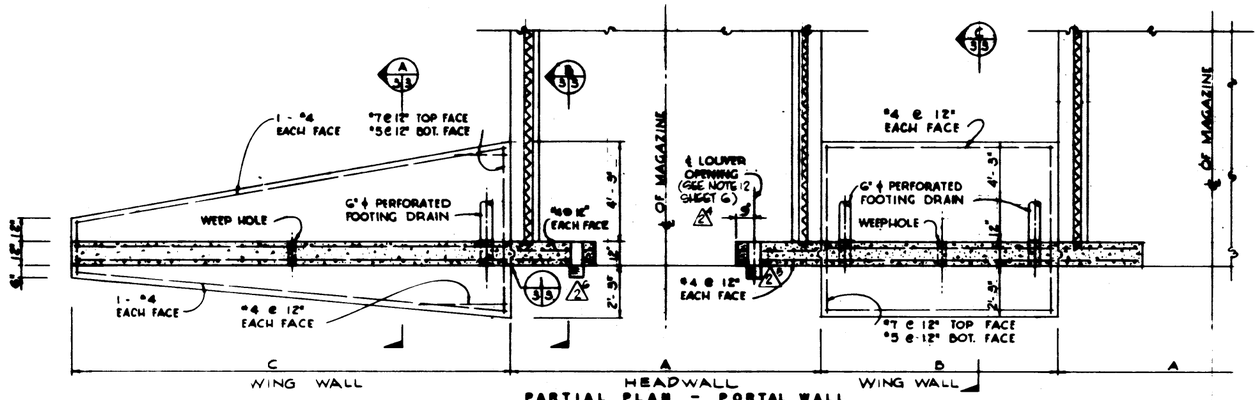
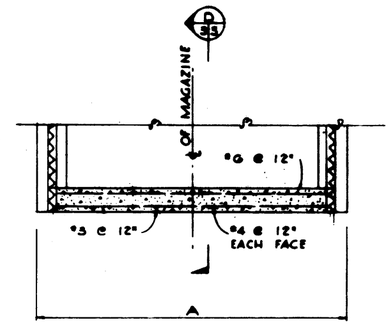


PARTIAL PLAN - PORTAL WALL

SCALE 3/8" = 1'-0"



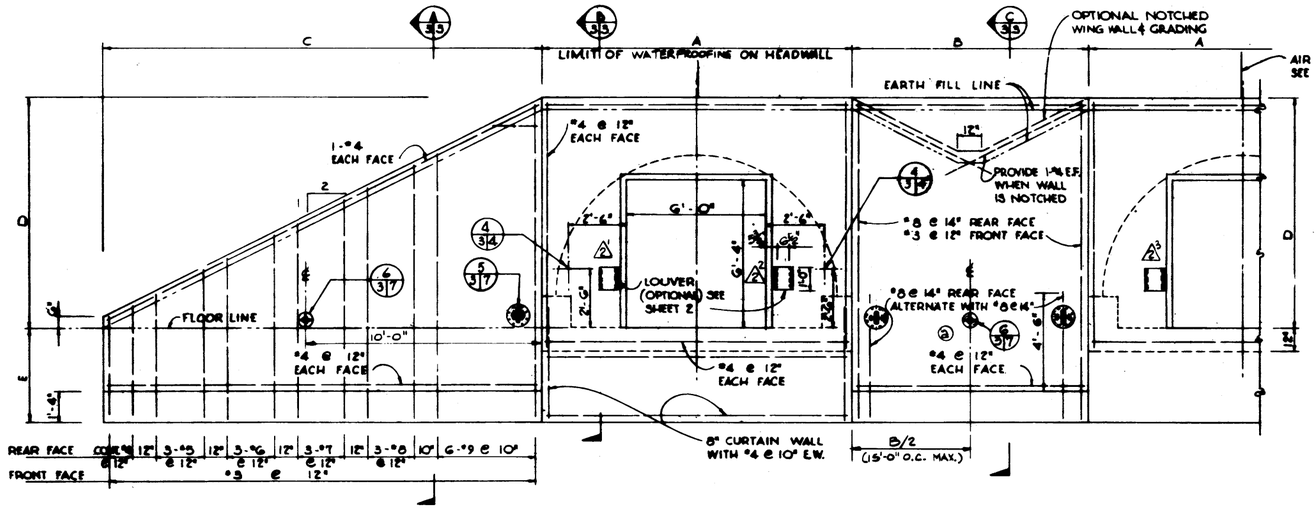
PLAN - REAR WALL

SCALE 3/8" = 1'-0"

VARIABLE DIMENSIONS					
STEEL ARCH SECTION	A	B	C	D	E
8'-0" WIDTH	9'-6"	NOTE 2	22'-2"	11'-7"	NOTE 1
10'-0" WIDTH	11'-0"	NOTE 2	20'-10"	10'-11"	NOTE 1
12'-0" WIDTH	13'-3"	NOTE 2	20'-4"	10'-8"	NOTE 1
14'-0" WIDTH	15'-3"	NOTE 2	20'-0"	10'-6"	NOTE 1

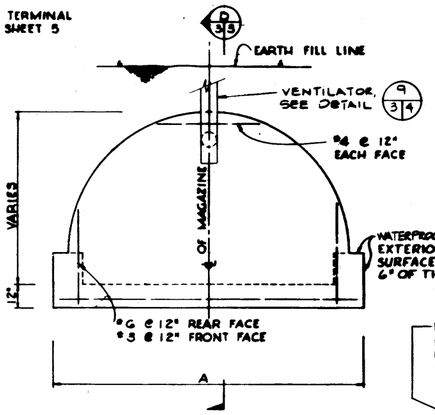
NOTES:

1. DIMENSION "E" CONTROLLED BY LOCAL FROST PENETRATION. 2'-6" MIN.
2. INTERMAGAZINE DISTANCE "B" IS BASED ON THE QUANTITY OF HIGH EXPLOSIVES CONTAINED, AS PER AR 385-64 "AMMUNITION AND EXPLOSIVES SAFETY STANDARDS"
3. THE SAND & GRAVEL DRAINAGE SHOWN IN SECTIONS "A" & "C" SHOULD BE TERMINATED AT THE POINT WHERE THE WINGWALL HEIGHT IS INSUFFICIENT TO MAINTAIN THE 2'-0" IMPERVIOUS FILL MATERIAL COVER OVER AT LEAST 6" OF SAND FILTER MATERIAL. PAST THIS POINT, AN ADDITIONAL 6" OF SAND FILTER MATERIAL SHOULD BE ADDED TO CLOSE-IN THE END OF THE GRAVEL FILL MATERIAL
4. SEE SHEET 6 OF 6 FOR GENERAL NOTES



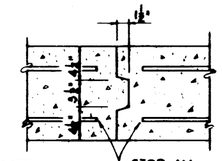
PARTIAL ELEVATION - PORTAL WALL

SCALE 3/8" = 1'-0"



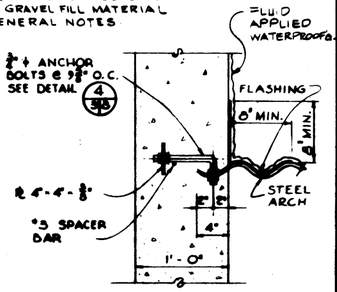
ELEVATION - REAR WALL

SCALE 3/8" = 1'-0"



DETAIL 1/3&5

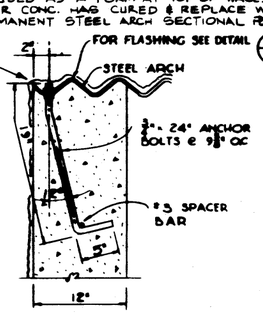
SCALE 1½" = 1'-0"



DETAIL 2/1&2 2/2&3 2/3&5

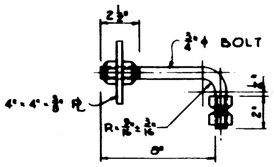
SCALE 1½" = 1'-0"

NOTE:
1'-0" WIDE PIECES OF END SECTIONAL R'S MAY BE USED AS A FORM AT TOP OF WALLS. REMOVE AFTER CONC. HAS CURED & REPLACE WITH PERMANENT STEEL ARCH SECTIONAL R'S.



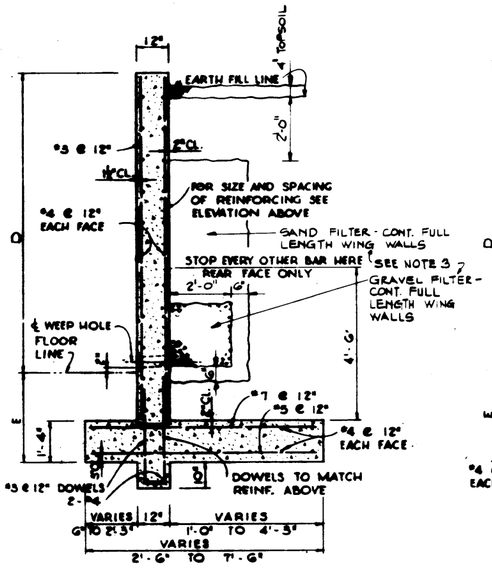
DETAIL 3/3&5

SCALE 1½" = 1'-0"



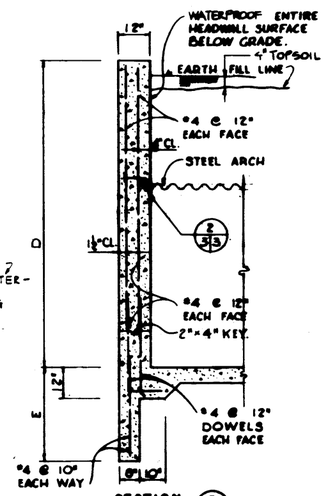
DETAIL 4/3&5

SCALE 3" = 1'-0"



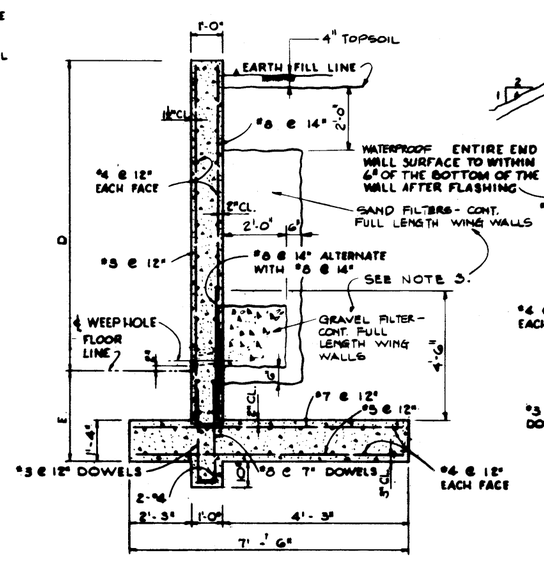
SECTION A/3&5

SCALE: 1/2" = 1'-0"



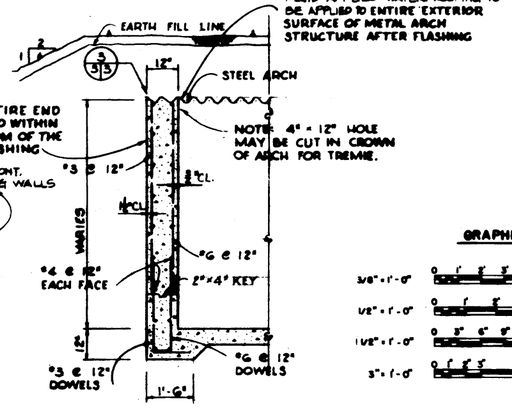
SECTION B/3&5

SCALE: 1/2" = 1'-0"



SECTION C/3&5

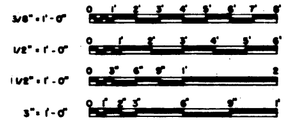
SCALE: 1/2" = 1'-0"



SECTION D/3&5

SCALE: 1/2" = 1'-0"

GRAPHIC SCALES



2	LOUVER REVISIONG	SC.RUMO	
1	GENERAL REVISION / SIMONS-EASTERN CO.		
	STRAUTER DOOR IN ELEV-PORTAL WALL MOD		
	GENERAL REVISIONS		
SYMBOL	DESCRIPTION	DATE	APPROVAL

REVISIONS

BLACK & VEATCH
CONSULTING ENGINEERS
KANSAS CITY, MISSOURI

DEFENSE ATOMIC SUPPORT AGENCY
OFFICE OF THE CHIEF OF ENGINEERS
WASHINGTON, D.C.

DESIGNED BY: GIC
TRACED BY: GIC
CHECKED BY: WVN
APPROVED: HLC

EARTH COVERED STEEL ARCH MAGAZINES

FRONT AND REAR WALL DETAILS

DATE: 10 JAN. 1963

SCALE AS NOTED

33-15-65

SHEET 3 OF 6