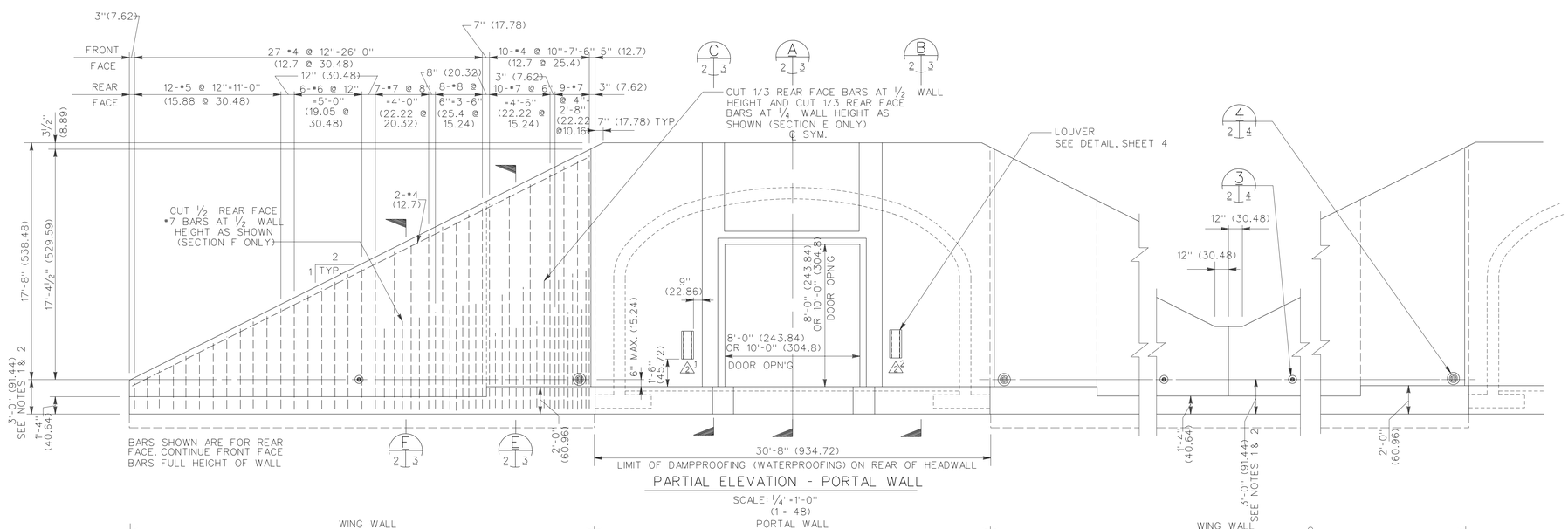
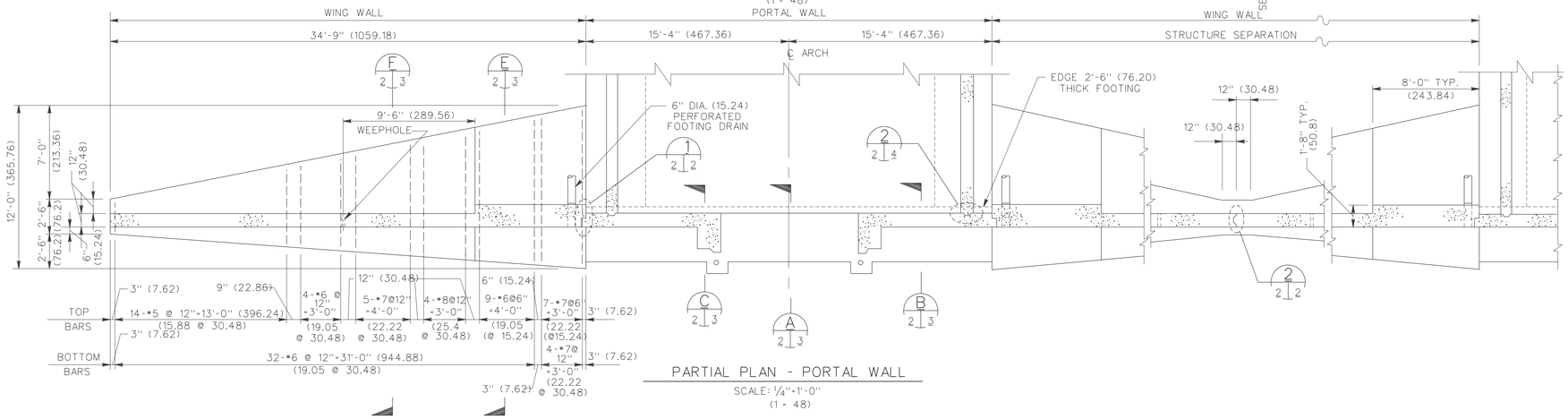


PARTIAL ELEVATION - PORTAL WALL

SCALE: 1/4"=1'-0" (1 = 48)

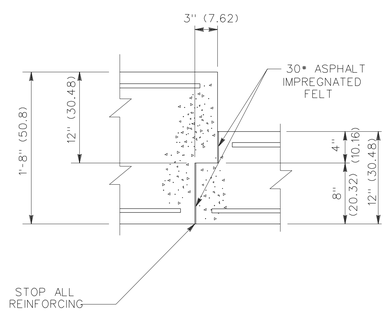


PARTIAL PLAN - PORTAL WALL

SCALE: 1/4"=1'-0" (1 = 48)

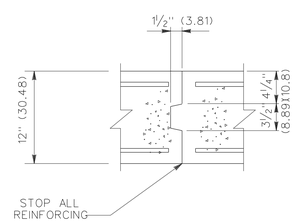
NOTES:

1. IF, AS A RESULT OF THE FOUNDATION INVESTIGATION OR LOCAL FROST CONDITIONS, IT IS DETERMINED THAT ANY OR ALL WALL FOOTINGS MUST BE LOWERED, THE APPROPRIATE WALL AND FOOTING DESIGNS MUST BE CHECKED AND ADJUSTED AS REQUIRED TO SUIT THESE CONDITIONS.
2. FOOTINGS ARE SIZED FOR A SOIL BEARING VALUE OF 3,000 P.S.F.. FOOTINGS MUST BE REDESIGNED IF THE SOILS INVESTIGATION DOES NOT CONFIRM THIS MINIMUM BEARING CAPACITY.
3. ALTERNATE MATERIALS AND/OR SYSTEMS MAY BE SUBMITTED FOR ACCEPTANCE AS A SUBSTITUTE FOR POURED-IN-PLACE WING WALLS, PROVIDED THEY ARE SHOWN TO BE STRUCTURALLY ADEQUATE AND COST EFFECTIVE.
4. PLAN AND ELEVATION OF PORTAL WALL REVISED BY NATHAN C. HALE ASSOCIATES AS REQUIRED TO DEPICT CONCRETE ARCH, REMAINING INFORMATION TRANSFERRED INTACT FROM O.C.E. DRAWING NO. 33-15-73, SHEET 2 OF 9.



DETAIL 1

SCALE: 1/2"=1'-0" (1 =8)



DETAIL 2

SCALE: 1/2"=1'-0" (1 =8)

GRAPHIC SCALES:

1/4" = 1'-0"

1 1/2" = 1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVAL
2	LOUVER REVISION	30JUN90	AF
1	GENERAL REVISION/SIMONS-EASTERN CO.	19JUL84	JYM

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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SUBMITTED BY: W.V. HILL
APPROVED: O.F.M. CHIEF ADV. TECH. BR.

MAGAZINE, CONCRETE OVAL-ARCH, EARTH COVERED
PORTAL WALL
PLAN, ELEVATION AND DETAILS

APPROVED: LEE S. GARRETTE, CHIEF ENGINEERING DIVISION MIL. PROGR., O.C.E.
DATE: 11APR79

APPROVED FOR:
DATE:

SCALE:
SPEC. NO.
DRAWING NUMBER 33-15-74
SHEET 2 OF 9

APPROVED BY FOR THE DEPARTMENT OF THE NAVY
DATE

APPROVED BY FOR THE DEPARTMENT OF THE AIR FORCE
DATE

CONSULTING ENGINEERS
FALLS CHURCH, INDIANA