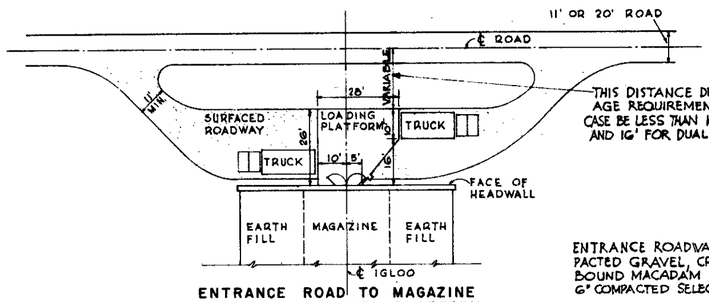
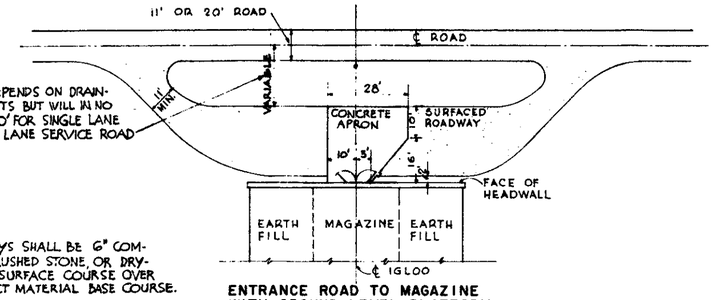
CAUTION: After using chemical correction fluid on photographic films, swab or rinse erasure area with clear water.

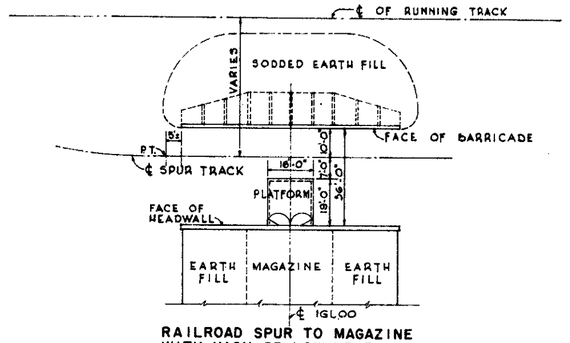


ENTRANCE ROAD TO MAGAZINE WITH TRUCK LEVEL PLATFORM WITHOUT BARRICADE
1" = 20'-0"

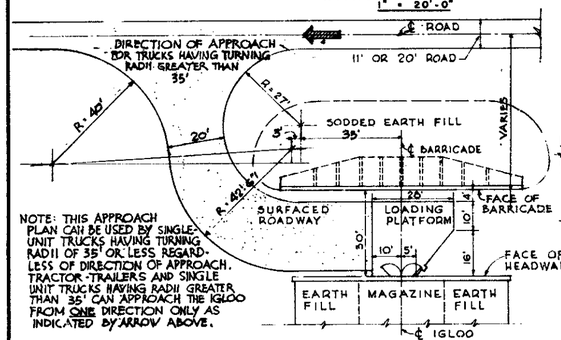
ENTRANCE ROADWAYS SHALL BE 6" COMPACTED GRAVEL, CRUSHED STONE, OR DRY-BOUND MACADAM SURFACE COURSE OVER 6" COMPACTED SELECT MATERIAL BASE COURSE.



ENTRANCE ROAD TO MAGAZINE WITH GROUND LEVEL PLATFORM WITHOUT BARRICADE
1" = 20'-0"

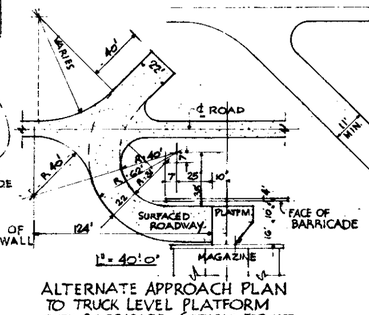


RAILROAD SPUR TO MAGAZINE WITH HIGH OR LOW LEVEL PLATFORM WITH BARRICADE
1" = 20'-0"

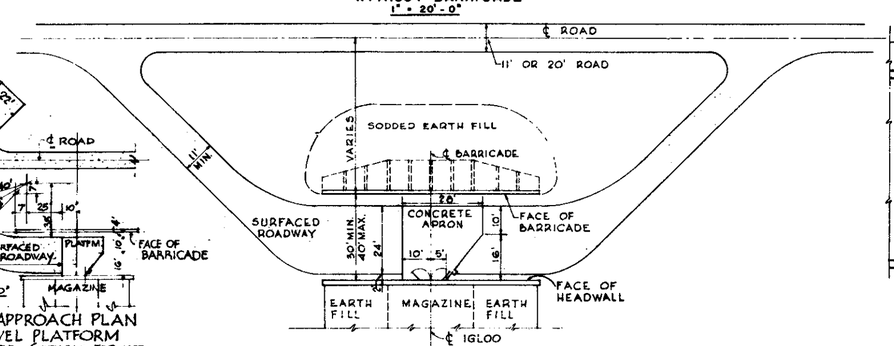


NOTE: THIS APPROACH PLAN CAN BE USED BY SINGLE-UNIT TRUCKS HAVING TURNING RADII OF 35' OR LESS REGARDLESS OF DIRECTION OF APPROACH. TRACTOR-TRAILERS AND SINGLE UNIT TRUCKS HAVING RADII GREATER THAN 35' CAN APPROACH THE IGLOO FROM ONE DIRECTION ONLY AS INDICATED BY ARROW ABOVE.

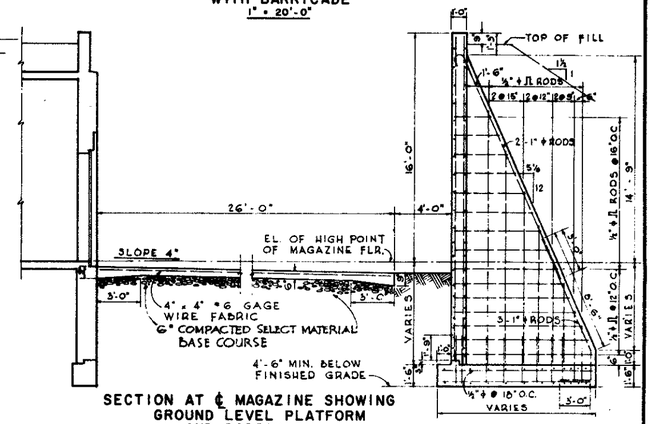
ENTRANCE ROAD TO MAGAZINE WITH TRUCK LEVEL PLATFORM WITH BARRICADE
1" = 20'-0"



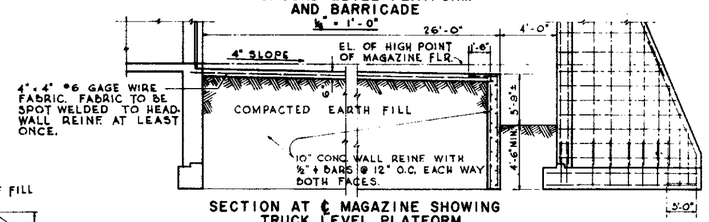
ALTERNATE APPROACH PLAN TO TRUCK LEVEL PLATFORM WITH BARRICADE. SUITABLE FOR USE BY SINGLE UNITS & TRACTOR-TRAILERS REGARDLESS OF DIRECTION SUCH UNITS APPROACH THE IGLOO



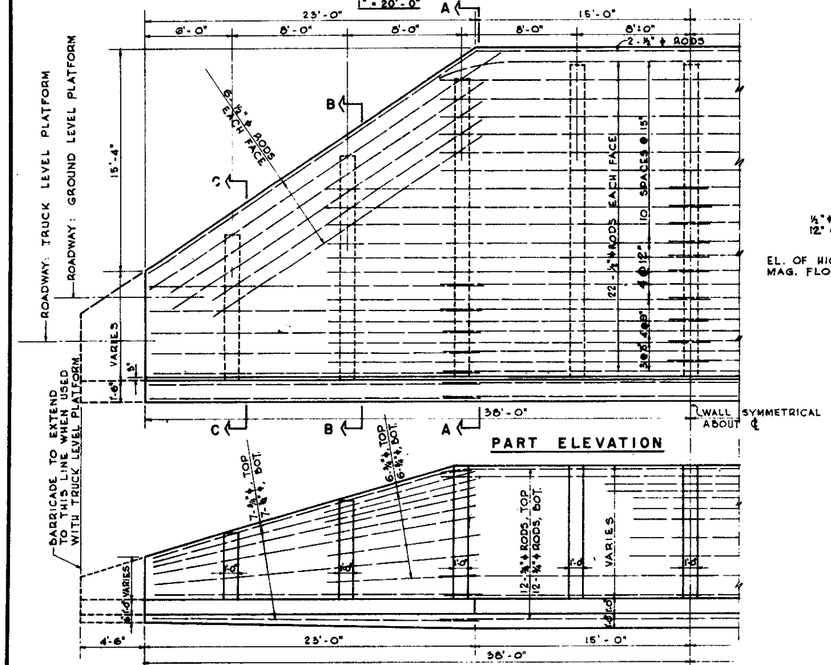
ENTRANCE ROAD TO MAGAZINE WITH GROUND LEVEL PLATFORM WITH BARRICADE
1" = 20'-0"



SECTION AT ℄ MAGAZINE SHOWING GROUND LEVEL PLATFORM AND BARRICADE
1/4" = 1'-0"

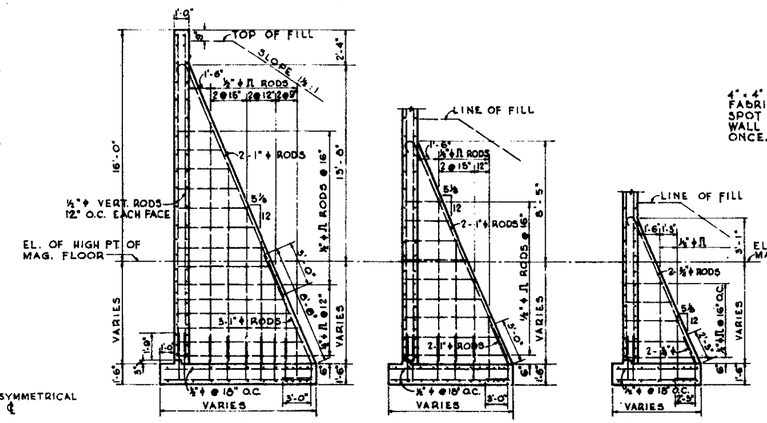


SECTION AT ℄ MAGAZINE SHOWING TRUCK LEVEL PLATFORM AND BARRICADE
1/4" = 1'-0"



PART ELEVATION

PART PLAN OF BARRICADE
1/4" = 1'-0"



SECTION A-A
1/4" = 1'-0"

SECTION B-B
1/4" = 1'-0"

SECTION C-C
1/4" = 1'-0"

FLOOR AND PLATFORM OF IGLOO 5'-9" ABOVE SURFACE OF PAVEMENT WILL BE PERMITTED ONLY WHEN JUSTIFIED BY SPECIAL USAGE OR WHEN TERRAIN WILL PERMIT THE USE WITHOUT ADDITIONAL COST.

BARRICADES TO BE CONSTRUCTED ONLY WHEN NECESSARY FOR SAFETY REQUIREMENTS

RAIL SPUR TO INDIVIDUAL IGLOOS WILL ONLY BE CONSTRUCTED WHEN AUTHORIZED BY OFFICE, CHIEF OF ENGINEERS.

SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		

HOWE, FOSTER & SNYDER
ARCHITECTS — ENGINEERS
WASHINGTON, D. C.

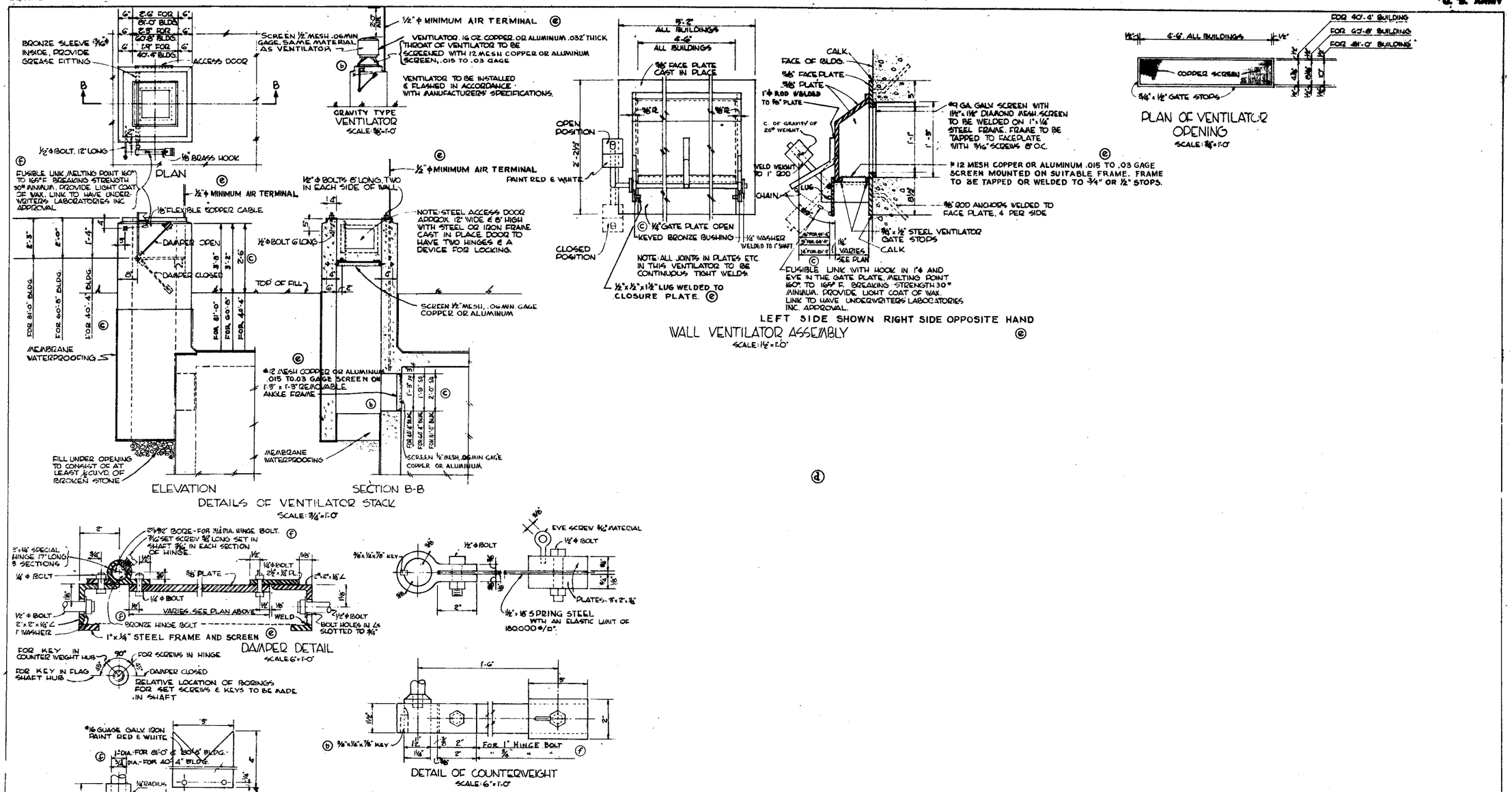
DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ENGINEERS
MILITARY CONSTRUCTION - ENGINEERING DIVISION
Washington, D. C.

DRAWN BY: W. T. M.
TRACED BY: W. T. M.
CHECKED BY: JRS
SUBMITTED: By J. Rowland Snyder, Partner, Foster & Snyder
APPROVED: Yale Wolfson, Chief, A.I.D. & I.A. Branch
APPROVED: H. A. Sanborn, Lt. Col., C.E., Chief, Engineering Division, Mil. Construction, O.C.E.
APPROVED FOR
DATE

MAGAZINE
MOUNDED CONCRETE IGLOO
APPROACH ROAD & BARRICADE DETAILS

DATE: 28 OCT 1954
SCALE AS SHOWN
SPEC. NO. 33-15-06-52-CE
DRAWING NUMBER 33-15-06
SHEET 7 OF 7

THIS DWG. SUPERCEDES DWG. NO'S. 652-686 THRU 652-692 & DWG. NO. 33-15-01



CAUTION: After using chemical correction fluid on photographic linen, swab or rinse erasedarea with clean water.

SYMBOL	DESCRIPTION	DATE	APPROVAL
(f)	3/4" HINGE BOLT CHANGED TO 1" DIA. FOR 81'-0" & 61'-8"	31 MAY-50	CCD
(f)	MAGAZINE, FUSIBLE LINK BREAKING STRENGTH INCREASED.		
(e)	WALL VENTILATOR ASSEMBLY: STOP PROVIDED NOTE ON SCREEN REVISED, NOTE ON CLOSING ARM ADDED.	29 JULY 55	RCD
(e)	VENTILATOR STACK: NOTE ON SCREEN REVISED, AIR TERMINAL DIAG REVISED, SCREEN DETAIL ADDED.		
(d)	LIGHTNING SYSTEM AIR TERMINAL DETAIL DELETED	28 OCT-54	CCD
(c)	DETAIL OF LIGHTNING TERMINALS, VENTILATOR AND VENTILATOR ASSEMBLY REVISED.	12 OCT-53	" "
(b)	VENTILATOR CHANGES, COUNTER WT & FLAG HUBS MODIFIED	7 AUG. 52	[illegible]
(a)	PREVIOUS DRAWING NUMBER SUPERSEDED	30 MAR. 52	[illegible]

REVISIONS

ROSS & WALTON
ARCHITECTS - ENGINEERS
MT. RAINIER, MD.

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

DRAWN BY: JDR C.H.
TRACED BY: JDR
CHECKED BY: GCH
SUBMITTED: ROSS & WALTON ARCHITECTS-ENGINEERS BY D. [illegible]
APPROVED: [illegible] CHIEF STRUCTURAL BRANCH

MAGAZINE
MOUNDED CONCRETE IGLOO

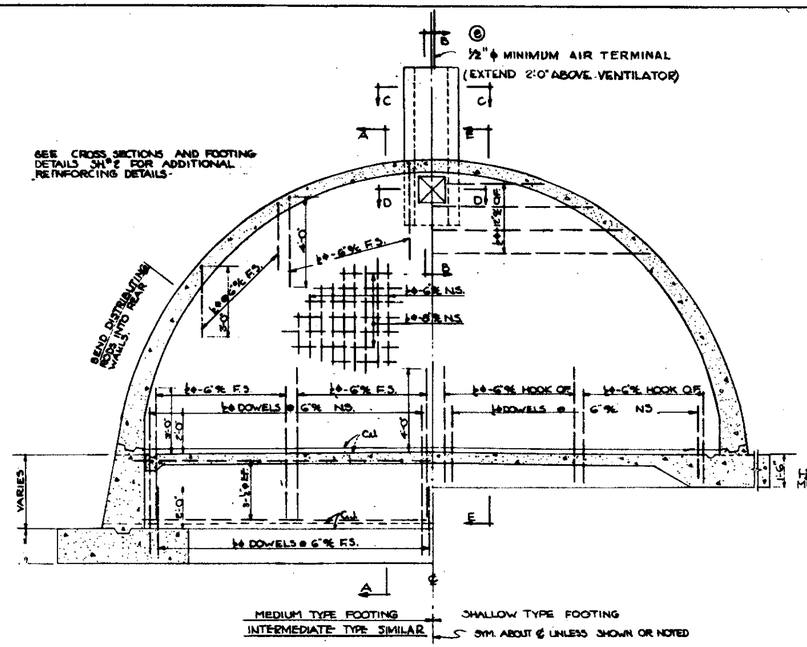
WALL VENTILATOR & VENTILATOR STACK DETLS

APPROVED: [illegible] COL. C. E. CHIEF ENGINEERING DIVISION
DATE: 1 AUG 1951

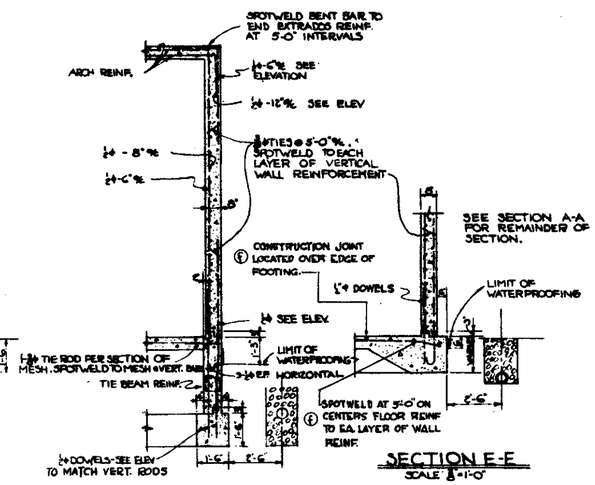
APPROVED FOR
DATE:

SCALE: AS NOTED
SPEC. NO. 33-15-08-52-05
DRAWING NUMBER 33-15-06
SHEET 6 OF 7

(a) THIS DWG. SUPERSEDES DWG. NOS. 652-686 THRU 652-692 & DWG. NO. 33-15-01

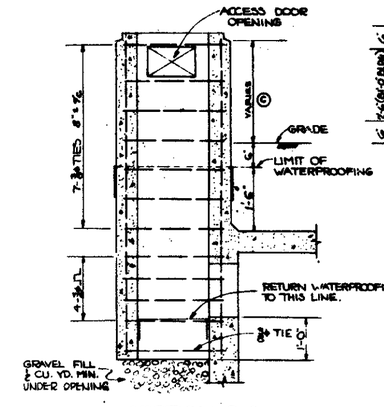


ELEVATION - REAR WALL
SCALE ⅛"=1'-0"

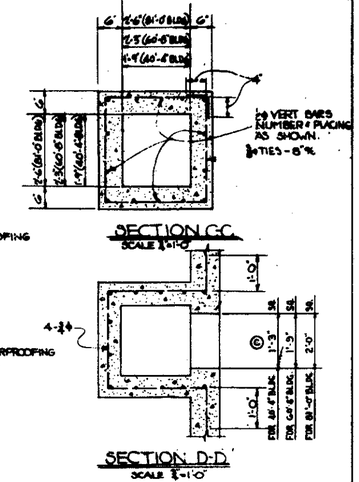


SECTION A-A
SCALE ⅛"=1'-0"

SECTION E-E
SCALE ⅛"=1'-0"



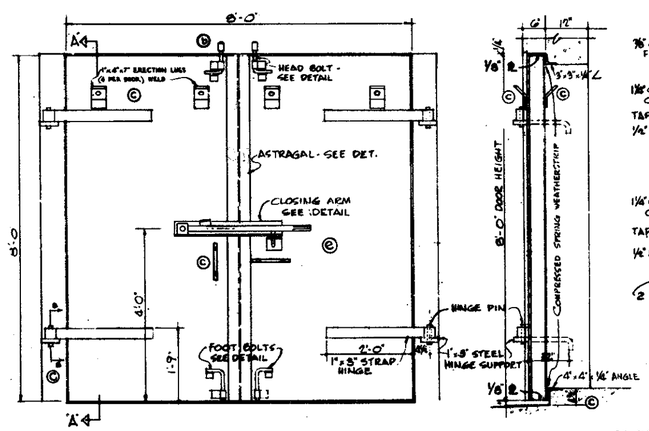
SECTION B-B
SCALE ⅛"=1'-0"



SECTION CC
SCALE ⅛"=1'-0"

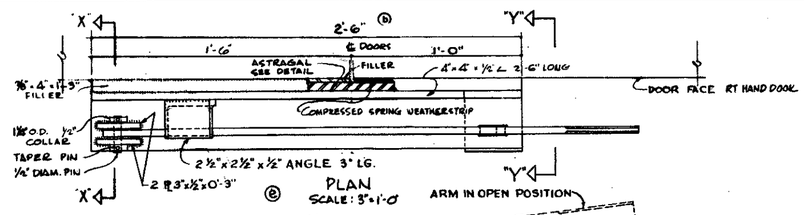
SECTION D-D
SCALE ⅛"=1'-0"

CAUTION: After using chemical correction fluid on photographic linen, swab or rinse eradicated area with clean water.

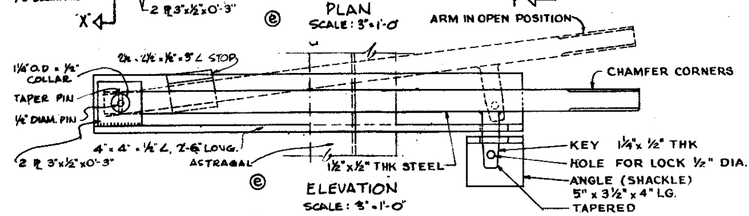


ELEVATION
SCALE ⅜"=1'-0"

SECTION "A-A"
SCALE: ⅜"=1'-0"

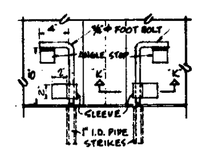


PLAN
SCALE: 3"=1'-0"

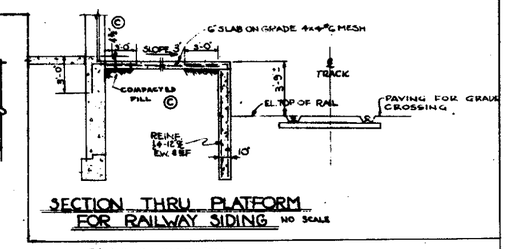


ELEVATION
SCALE: 3"=1'-0"

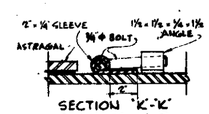
CLOSING BAR DETAILS



ELEVATION
SCALE: 1½"=1'-0"

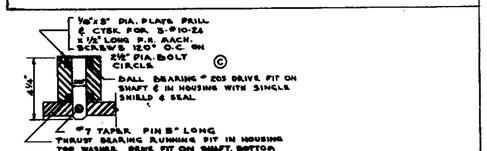


SECTION THRU PLATFORM FOR RAILWAY SIDING NO SCALE

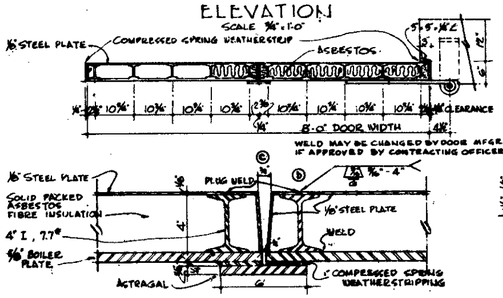


SECTION "K-K"
SCALE: 3" = 1'-0"

FOOT BOLT DETAIL

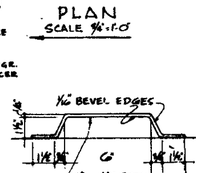


SECTION B-B SCALE 3"=1'-0"



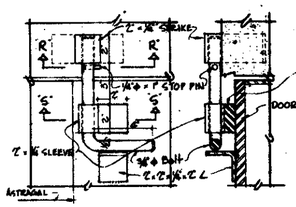
PLAN
SCALE ⅜"=1'-0"

ASTRAGAL DETAIL
SCALE: 3"=1'-0"

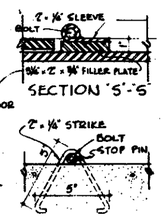


HANDLE DETAIL
SCALE 3"=1'-0"
PROVIDE HANDLE BOTH SIDES OF EACH DOOR

STEEL DOOR DETAILS

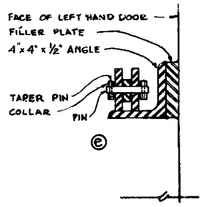


HEAD BOLT DETAIL
SCALE 3"=1'-0"

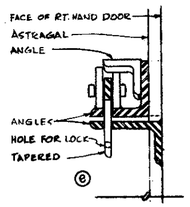


SECTION "S"-"S"

SECTION "R"-"R"



SECTION "X"-"X"
SCALE 3" = 1'-0"



SECTION "Y"-"Y"
SCALE 3" = 1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVAL
(f)	CONSTRUCTION JOINT RELOCATED & MESH CHANGED TO REINF.	31 MAY-56	RCD
(e)	ELEVATION REAR WALL: AIR TERMINAL SIZE REVISED.	29 JUL 55	RCD
(d)	STEEL DOOR DETAILS: PLAN, ELEVATIONS AND SECTIONS OF CLOSING ARM REVISED.		
(d)	SHEET NO CHANGED FROM 5 of 6 to 5 of 7	28 OCT 54	RCD
(c)	DOOR CLEARANCE, DOOR HANDLE, ASTRAGAL DETAIL, HINGE, VENTILATOR PLATFORM, FOOTING, DOOR SECTION LINES ADDED.	12-OCT-53	SLJ
(b)	CLOSING BAR CORRED, HEAD BOLT ADDED, WELD CHANGED	7 AUG 52	
(a)	PREVIOUS DRAWING NUMBERS SUPERSEDED	31 MAR. 52	

REVISIONS

ROSS & WALTON
ARCHITECTS - ENGINEERS
MT. RAINIER, MD.

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

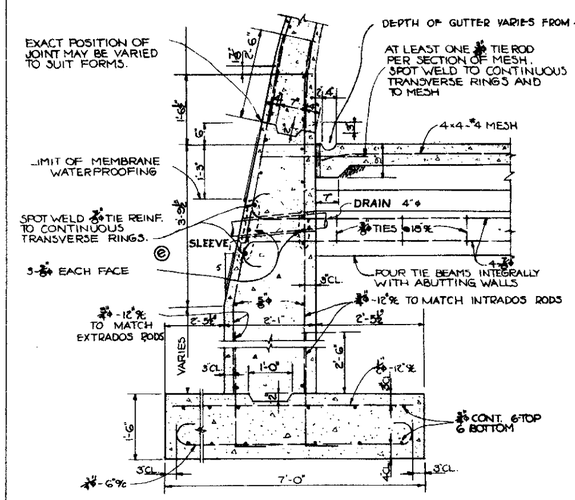
DRAWN BY: H.H.W. Jr. H CW
TRACED BY: H.H.W. Jr. H
DESIGNED BY: HW
CHECKED: ROSS & WALTON
APPROVED: Robert D. Walton
APPROVED: Maxwell W. Moulton
CHIEF STRUCTURAL DESIGNER
APPROVED FOR: R. C. O. Wright
COL. C. E. CHIEF ENGINEERING DIVISION
DATE: 1 AUG 1951

MAGAZINE
MOUNDED CONCRETE IGLOO
DOOR DETAILS, REAR WALL ELEVATION & DETAILS

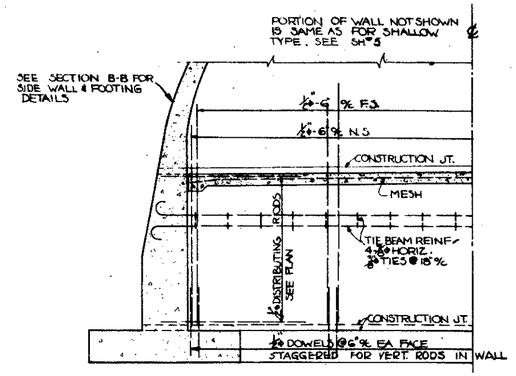
SCALE: AS NOTED
DRAWING NO. 33-15-06
SHEET 5 OF 7

(a) THIS DWG. SUPERSEDES DWG. NOS. 652-686 THRU 652-692 & DWG. NO. 33-15-01

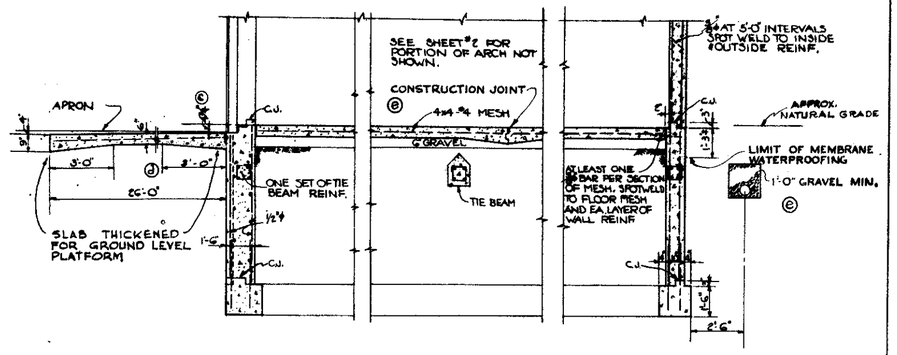
FILMED



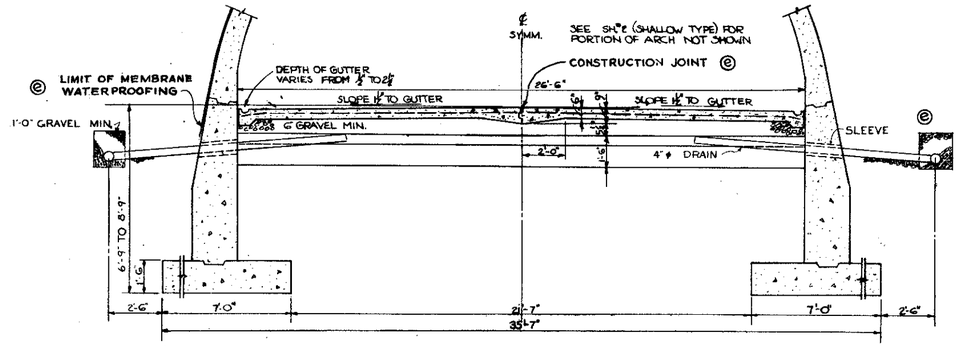
SECTION B-B
SCALE ¼"=1'-0"
DEEP TYPE FOOTING



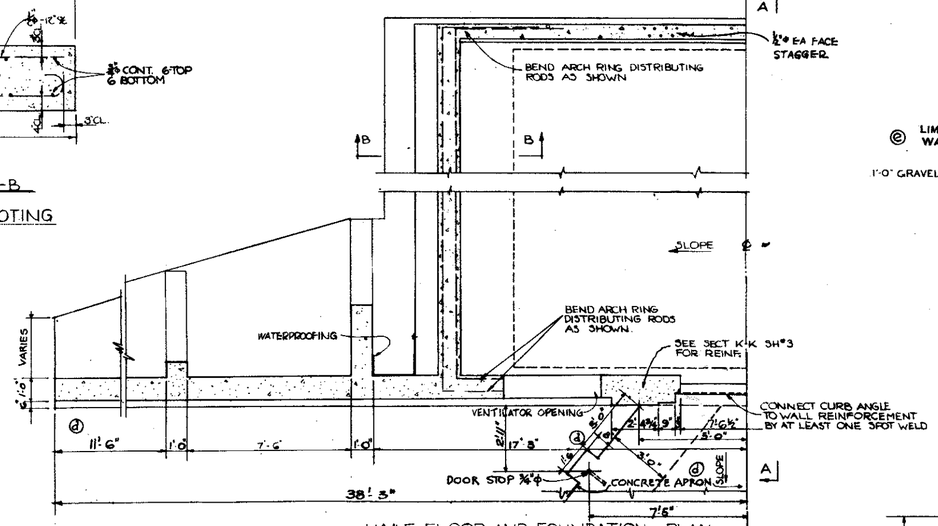
HALF ELEVATION - REAR WALL



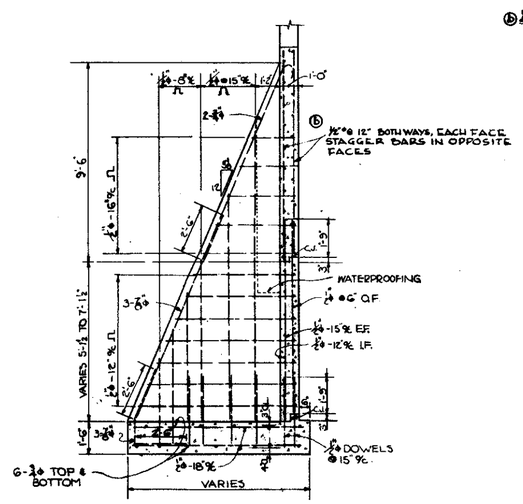
SECTION A-A



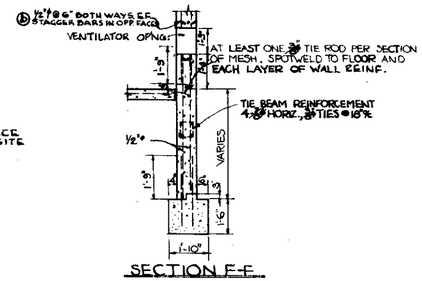
TYPICAL TRANSVERSE SECTION
DEEP TYPE FOOTING



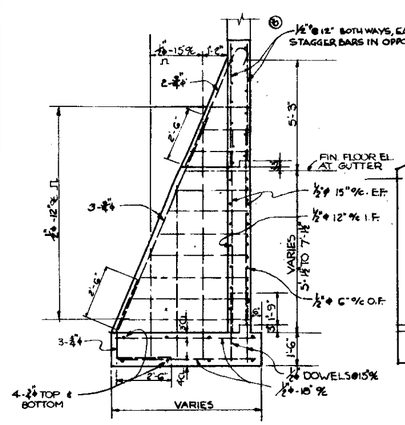
HALF FLOOR AND FOUNDATION PLAN
DEEP TYPE FOOTING



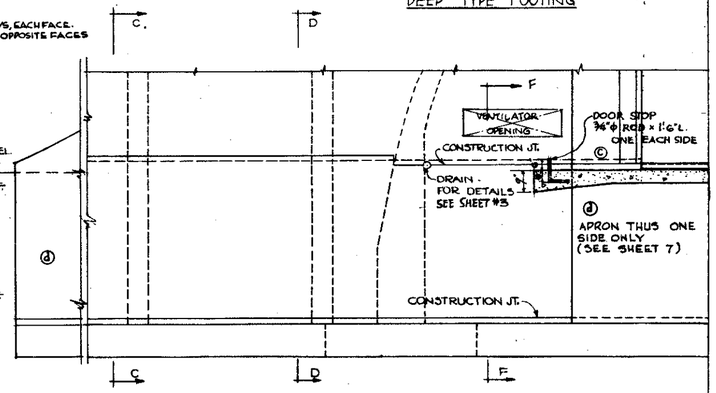
SECTION D-D



SECTION E-E



SECTION C-C



HALF ELEVATION OF HEADWALL
DEEP TYPE FOOTING

SYMBOL	DESCRIPTION	DATE	APPROVAL
ⓔ	SECTIONS A-A, B-B & TYPICAL TRANSV. DRAINS, SLEEVES, GRAVEL & JOINTS SHOWN. WATERPROOFING CLARIFIED.	29 JULY 55	
ⓓ	HEADWALL EXTENDED, APRON MODIFIED.	28 OCT 54	
ⓒ	DOOR CLEARANCE INCREASED	12-OCT-53	SU
ⓑ	REINFORCING STEEL CHANGED	7 AUG 52	
ⓐ	PREVIOUS DRAWING NUMBERS SUPERSEDED	31 MAR 52	

REVISIONS

ROSS & WALTON
ARCHITECTS - ENGINEERS
MT. RAINIER, MD.

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

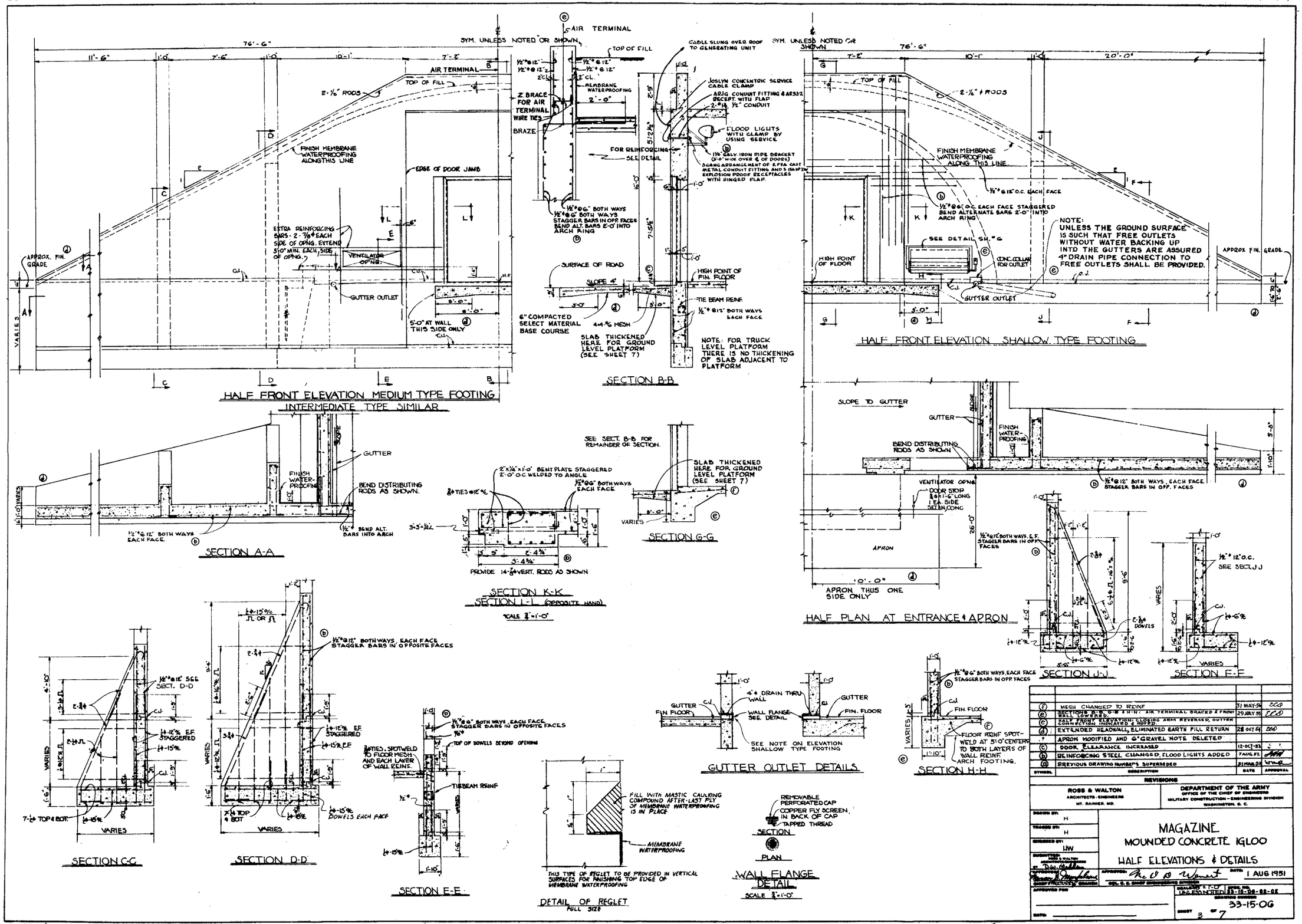
DRAWN BY: H
TRACED BY: H
CHECKED BY: HW
SUBMITTED: ROSS & WALTON ARCHITECTS-ENGINEERS BY
APPROVED: CHIEF STRUCTURAL BRANCH
APPROVED: COL. C. E. CHIEF ENGINEERING DIVISION
DATE: 1 AUG 1951
APPROVED FOR
DATE:

MAGAZINE
MOUNDED CONCRETE IGLOO
MISC. SECTIONS & DETAILS

SCALE ¼"=1'-0" UNLESS NOTED
SUBJ. NO. 33-18-08-52-CE
DRAWING NUMBER 33-15-06
SHEET 4 OF 7

CAUTION: After using chemical correction fluid on photographic linen, swab or rinse eradicated area with clean water.

ⓓ THIS DWG. SUPERSEDES DWG. NOS. 652-686 THRU 652-692 & DWG. NO. 33-15-0



SYMBOL	DESCRIPTION	DATE	APPROVAL
(f)	MESH CHANGED TO REINF.	31 MAY-56	ECD
(e)	SECTIONS B-B, G-G & H-H: AIR TERMINAL BRACED & FRONT WALL COVERED.	29 JULY 55	ECD
(e)	HALF FRONT ELEVATION: CLOSING ARM REVERSED, GUTTER CONFIGURATION INDICATED & NOTED.		
(d)	EXTENDED HEADWALL, ELIMINATED EARTH FILL RETURN	28 OCT 54	ECD
	APRON MODIFIED AND 6" GRAVEL NOTE DELETED		
(c)	DOOR CLEARANCE INCREASED	12-OCT-53	
(b)	REINFORCING STEEL CHANGED, FLOOD LIGHTS ADDED	7 AUG 51	
(a)	PREVIOUS DRAWING NUMBER'S SUPERSEDED	21 MAR 53	

REVISIONS

ROSS & WALTON
ARCHITECTS - ENGINEERS
MT. RAINIER, MD.

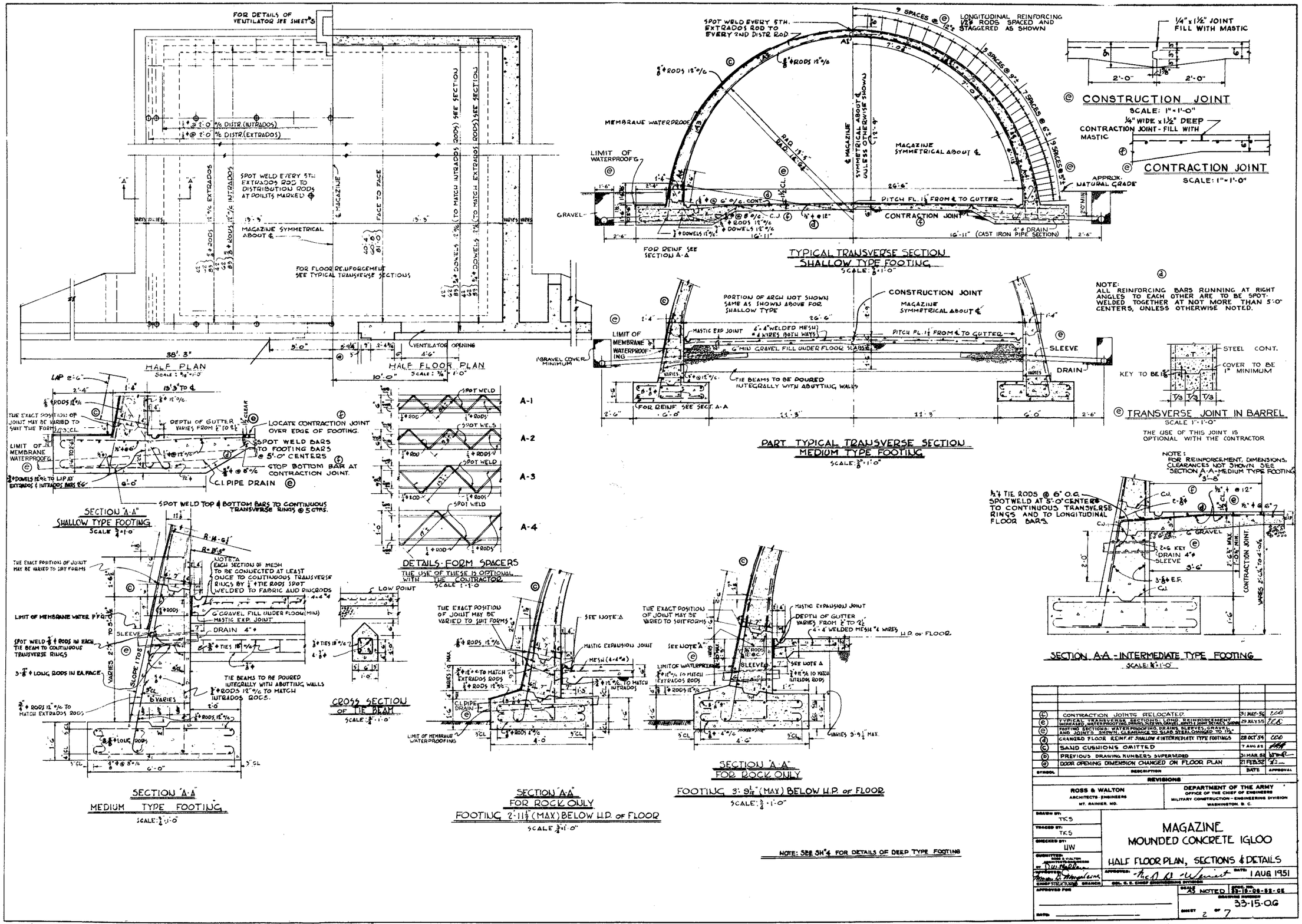
DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ENGINEERS
MILITARY CONSTRUCTION - ENGINEERING DIVISION
WASHINGTON, D. C.

DRAWN BY: H
TRACED BY: H
CHECKED BY: HW
SUBMITTED: ROSS & WALTON ARCHITECTS-ENGINEERS
BY: Dwight Mallon
APPROVED: Ross & Walton
CHIEF STRUCTURAL DESIGNER
APPROVED: Reed O. Wenert
COL. C. E. CHIEF ENGINEERING DIVISION
DATE: 1 AUG 1951
APPROVED FOR:
DATE:

MAGAZINE
MOUNDED CONCRETE IGLOO
HALF ELEVATIONS & DETAILS

SCALE: 1/2" = 1'-0" UNLESS NOTED
DWG. NO. 33-15-04-02-02
DRAWING NUMBER 33-15-06
SHEET 3 OF 7

(a) THIS DWG. SUPERSEDES DWG. NOS. 652-688 THRU 652-692 & DWG. NO. 33-15-01



SYMBOL	DESCRIPTION	DATE	APPROVAL
(h)	CONTRACTION JOINTS RELOCATED.	31 MAY-56	CCD
(e)	TYPICAL TRANSVERSE SECTIONS; LONG. REINFORCEMENT INCREASED, WATERPROOFING, DRAINS, SEE WS, GRAVEL, JOINTS & JOINT DETAILS SHOWN	29 JULY 55	CCD
(e)	FOOTING SECTIONS, WATERPROOFING, DRAINS, SLEEVES, GRAVEL, AND JOINTS SHOWN, CLEARANCE TO SLAB STEEL CHANGED TO 1 1/2"		
(d)	CHANGED FLOOR REINF. AT SHALLOW & INTERMEDIATE TYPE FOOTINGS	28 OCT 54	CCD
(c)	SAND CUSHIONS OMITTED	7 AUG 52	[illegible]
(b)	PREVIOUS DRAWING NUMBERS SUPERSEDED	31 MAR 52	[illegible]
(a)	DOOR OPENING DIMENSION CHANGED ON FLOOR PLAN	21 FEB 52	[illegible]

REVISIONS

ROSS & WALTON
ARCHITECTS - ENGINEERS
MT. RAINIER, MD.

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

DRAWN BY: TKS
TRACED BY: TKS
CHECKED BY: UW
SUBMITTED: ROSS & WALTON ARCHITECTS-ENGINEERS BY D.W. Hallman
APPROVED FOR CHIEF STRUCTURAL BRANCH: Francis J. Hoogeboom
APPROVED: Rice A. R. Winnett, COL. C. E. CHIEF ENGINEERING DIVISION
DATE: 1 AUG 1951

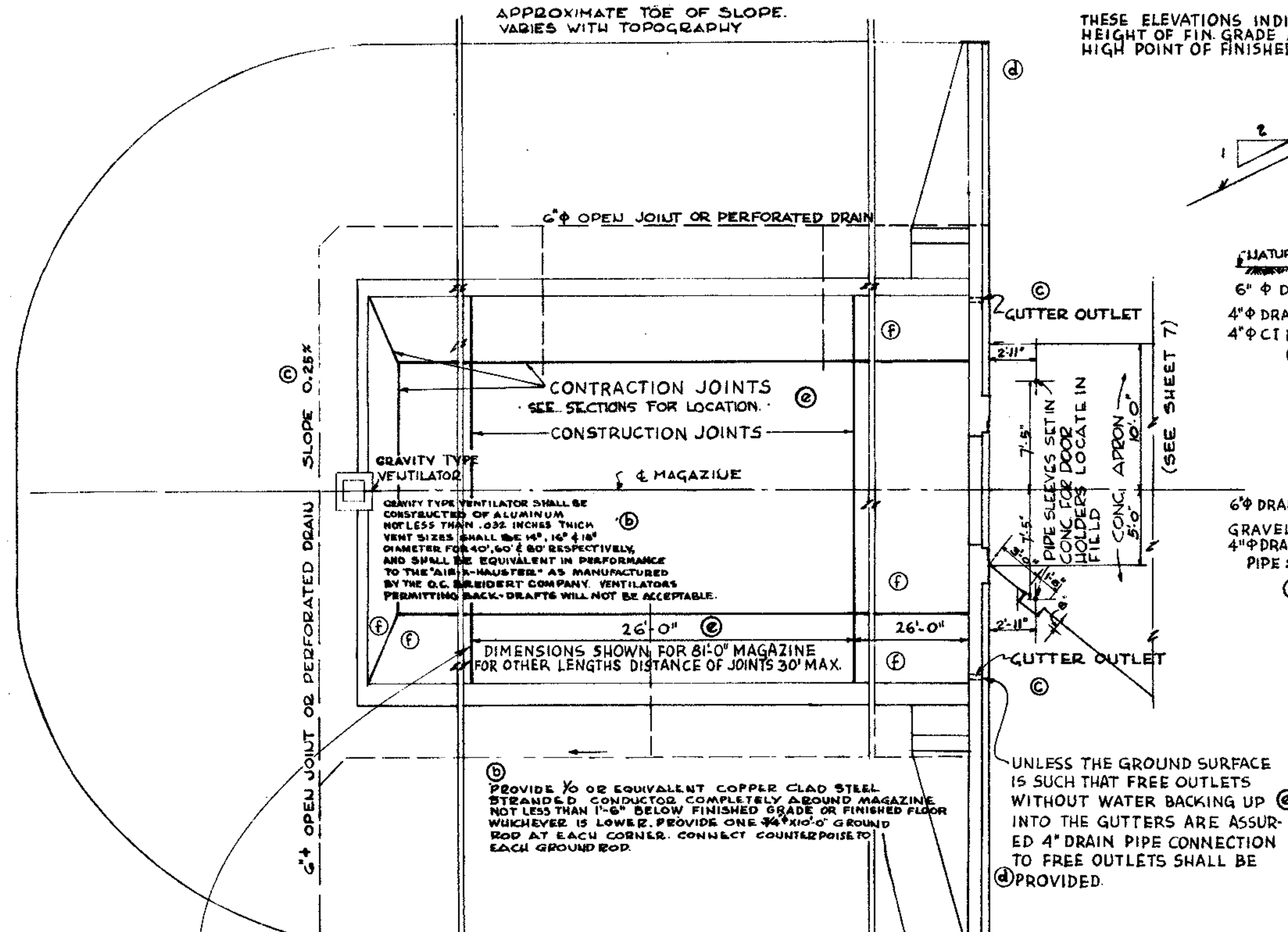
MAGAZINE
MOUNDED CONCRETE IGLOO
HALF FLOOR PLAN, SECTIONS & DETAILS

SCALE: AS NOTED
SPEC. NO. 33-10-00-52-CE
DRAWING NUMBER 33-15-06
SHEET 2 OF 7

CAUTION: After using chemical correction fluid on photographic lines, swab or rinse eradicated area with clean water.

(b) THIS DWG. SUPERSEDES DWG. NOS. 652-686 THRU 652-692 & DWG. NO. 33-15-01

CAUTION: After using chemical correction fluid on photographic linen, swab or rinse eradicated area with clean water.

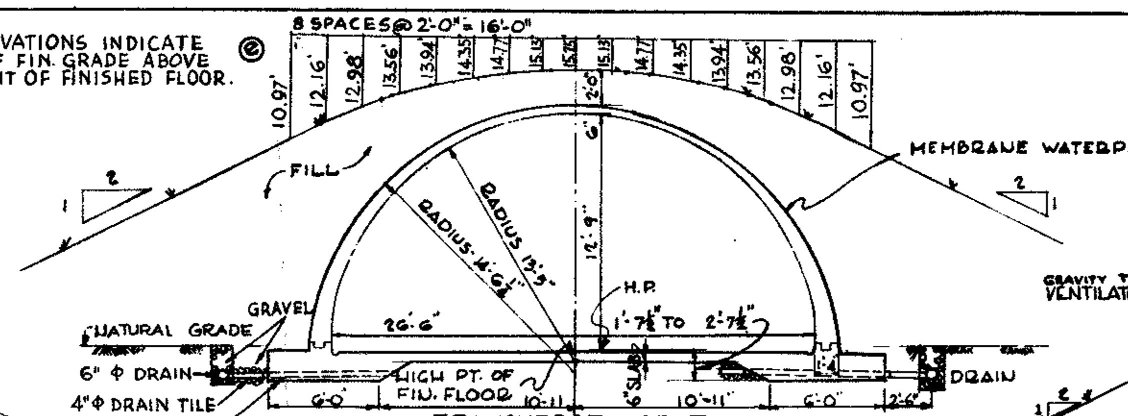


ⓑ PROVIDE 1/0 OR EQUIVALENT COPPER CLAD STEEL STRANDED CONDUCTOR COMPLETELY AROUND MAGAZINE NOT LESS THAN 1'-6" BELOW FINISHED GRADE OR FINISHED FLOOR WHICHEVER IS LOWER. PROVIDE ONE 3/4"Φ X10'-0" GROUND ROD AT EACH CORNER. CONNECT COUNTERPOISE TO EACH GROUND ROD.

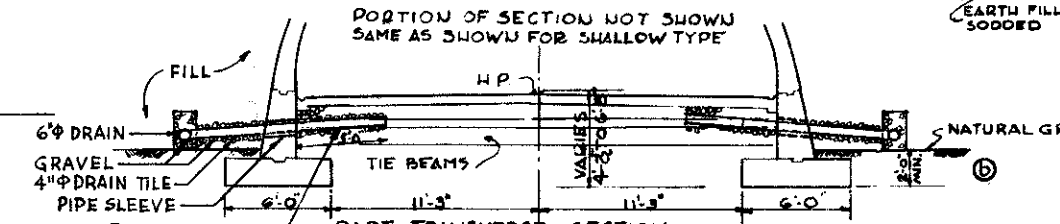
UNLESS THE GROUND SURFACE IS SUCH THAT FREE OUTLETS WITHOUT WATER BACKING UP ⓔ INTO THE GUTTERS ARE ASSURED 4" DRAIN PIPE CONNECTION TO FREE OUTLETS SHALL BE ⓓ PROVIDED.

TYPICAL PLAN
SCALE 3/16" = 1'-0"

JOINTS SHOWN ARE FOR STRUCTURES WITH SHALLOW OR INTERMEDIATE TYPE FOOTINGS

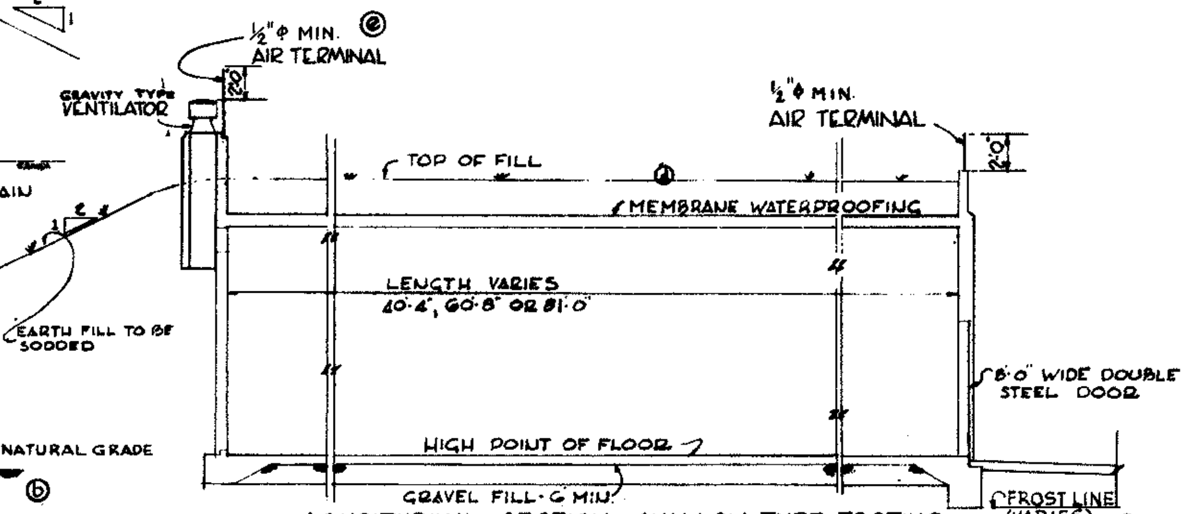


TRANSVERSE SECTION
SHALLOW TYPE FOOTING
SCALE 3/16" = 1'-0"

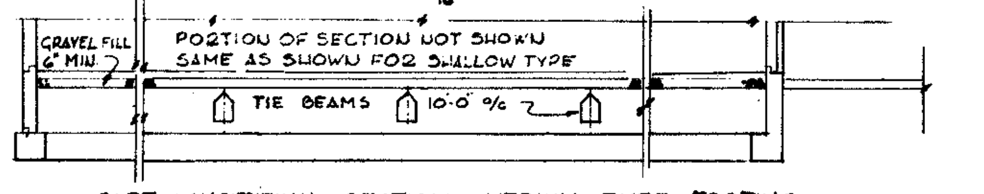


PART TRANSVERSE SECTION
MEDIUM TYPE FOOTING
SCALE 3/16" = 1'-0"

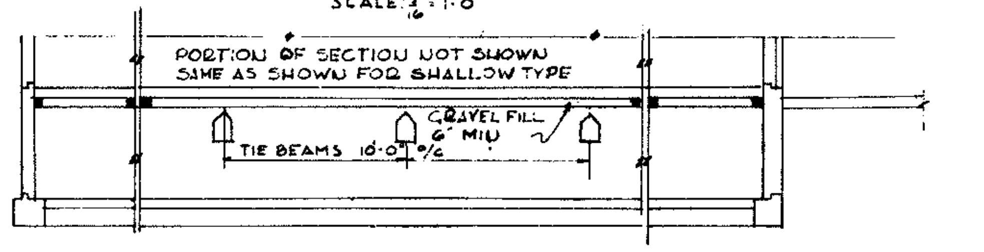
ⓔ 4" PERFORATED DRAIN PIPE SHOULD EXTEND NOT LESS THAN 5'-0" INTO THE STRUCTURE IMMEDIATELY BELOW THE GRAVEL BASE FOR FLOOR SLAB & SHALL OCCUR APPROXIMATELY 20'-0" APART. 4"Φ DRAIN PIPE SHALL BE LAID IN A GRAVEL FILLED TRENCH & SHALL CONNECT TO 6"Φ DRAIN.
A CAST IRON PIPE SECTION SHALL BE USED TO CARRY THE DRAIN THRU FOOTINGS & A PIPE SLEEVE OF A DIAMETER 2" LARGER THAN O.D. OF DRAIN TILE SHALL BE USED TO CARRY IT THRU WALLS.
REINFORCING MAY BE RAISED OR LOWERED SLIGHTLY IN ORDER TO MISS DRAINS.



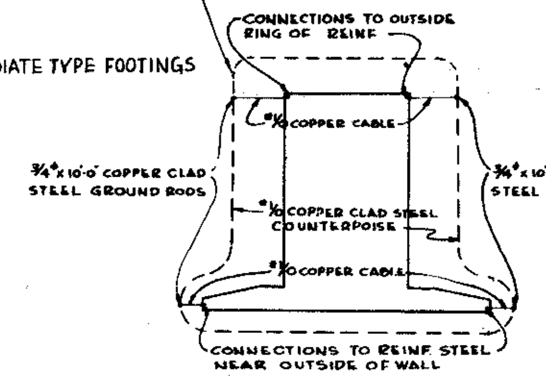
LONGITUDINAL SECTION - SHALLOW TYPE FOOTING
SCALE 3/16" = 1'-0"



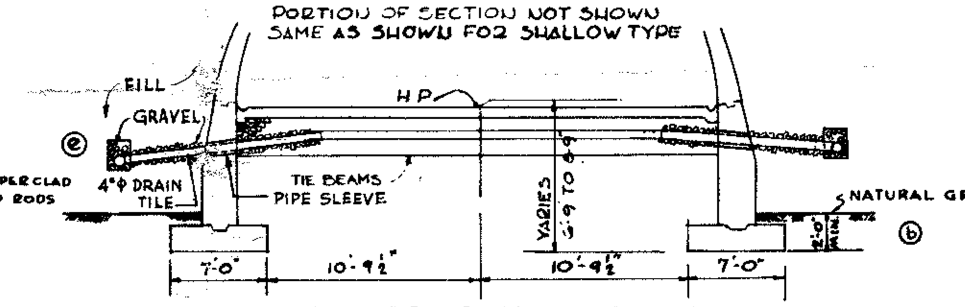
PART LONGITUDINAL SECTION - MEDIUM TYPE FOOTING
SCALE 3/16" = 1'-0"



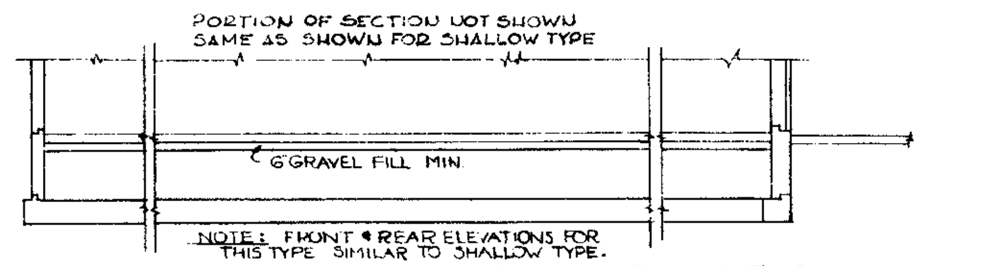
PART LONGITUDINAL SECTION - DEEP TYPE FOOTING
SCALE 3/16" = 1'-0"



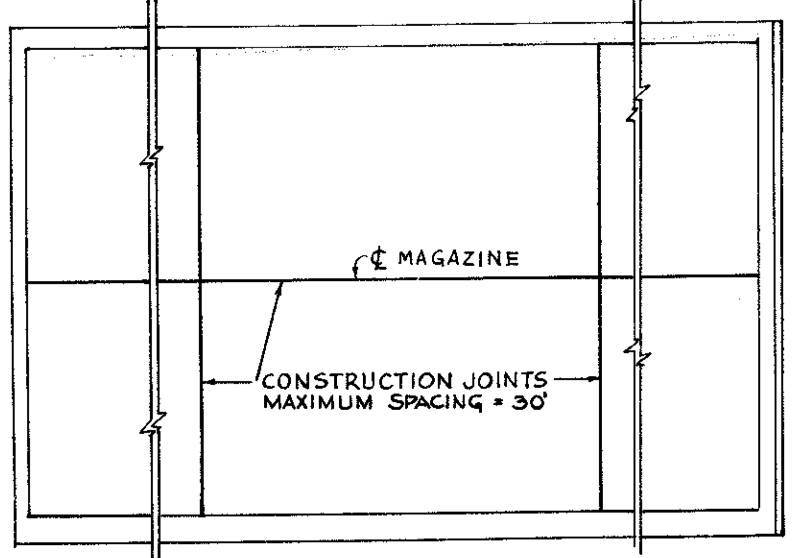
ⓑ GROUNDING SYSTEM FOR LIGHTNING PROTECTION



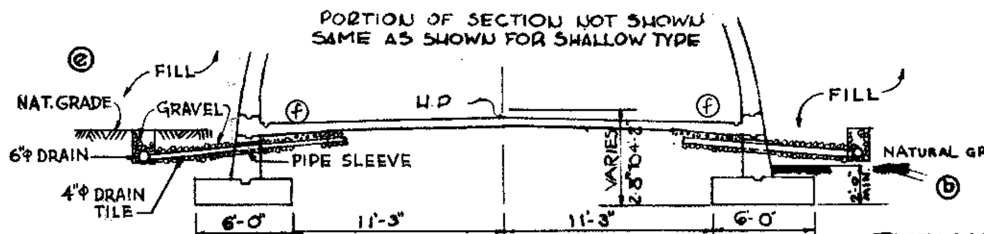
PART TRANSVERSE SECTION
DEEP TYPE FOOTING
SCALE 3/16" = 1'-0"



PART LONGITUDINAL SECTION - INTERMEDIATE TYPE FOOTING
SCALE 3/16" = 1'-0"

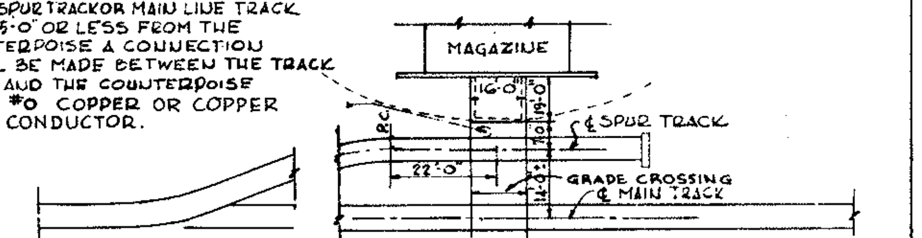


ⓔ TYPICAL PLAN SHOWING JOINTS FOR STRUCTURES WITH MEDIUM OR DEEP TYPE FOOTINGS
SCALE 3/16 = 1'-0"



PART TRANSVERSE SECTION
INTERMEDIATE TYPE FOOTING
SCALE 3/16" = 1'-0"

ⓔ WHEN SPUR TRACK OR MAIN LINE TRACK ARE 25'-0" OR LESS FROM THE COUNTERPOISE A CONNECTION SHALL BE MADE BETWEEN THE TRACK RAILS AND THE COUNTERPOISE USING #0 COPPER OR COPPER CLAD CONDUCTOR.



RAILROAD SPUR TO MAGAZINE
WITHOUT BARRICADE
SCALE 1" = 30'

TYPICAL PLANS & SECTIONS FOR 40' MAGAZINE
60' & 80' MAGAZINES SIMILAR

NOTE:
NO BLASTING WILL BE PERFORMED IN CONNECTION WITH CONSTRUCTION WITHOUT APPROVAL OF THE CONTRACTING OFFICER.

18. WHEN THE FLOOR IS ABOVE NATURAL GRADE THE FILL WILL BE COMPACTED TO OBTAIN A MINIMUM SOIL VALUE OF 3000#/□'
19. PAINT INTERIOR 2 COATS OF WHITE CEMENT-WATER PAINT

ABBREVIATIONS

1. C.J. - CONSTRUCTION JOINT
2. I.F. - INSIDE FACE
3. O.F. - OUTSIDE FACE
4. N.S. - NEAR SIDE
5. F.S. - FAR SIDE
6. E.F. - EACH FACE

GENERAL NOTES

1. DESIGN LIVE LOAD FOR FLOOR SLAB IS 3000 LBS. PER SQUARE FOOT
2. ALL CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT THE END OF 28 DAYS OF 2500 LBS. PER SQUARE INCH.
3. FINISHES ARE AS FOLLOWS:
   a. FLOOR AND PLATFORM TROWELED SMOOTH.
   b. TOPS OF WALL AND ENTRANCE TROWEL SMOOTH.
   c. ALL OTHER SURFACES SHALL BE DENSE AND SMOOTH AS CAN BE OBTAINED BY CAREFUL FORMWORK, PROPER PLACING AND SPADING OF CONCRETE. ALL FINS OR OTHER PROJECTIONS SHALL BE CAREFULLY REMOVED AND ALL HONEYCOMB SHALL BE CAREFULLY AND COMPLETELY POINTED.
   d. ALL EXPOSED CORNERS AND EDGES SHALL BE CHAMFERED.
4. REINFORCING BARS MAY BE INTERMEDIATE BILLET, HARD BILLET OR HARD RAIL STEEL. WIRE MESH IS TO BE ELECTRICALLY WELDED FABRIC OF COLD DRAWN MILD STEEL.
5. EARTH COVER WILL BE 2'-0" THICK AT CROWN AND SHOULD SLOPE AT 1 VERTICAL TO 2 HORIZONTAL.
6. COVERING MATERIAL SHOULD BE EARTH SELECTED WITH REGARD TO STABILITY WITH RESPECT TO SETTLEMENT AND EROSION, AND ⓓ SHOULD NOT CONTAIN MORE THAN 15% OF GRAVEL RETAINED ON A #4 SCREEN AND SHOULD BE FREE OF STONES RETAINED ON #1 SCREEN

6 (CONT.) THE GRAVEL IS PERMISSABLE ONLY AS RANDOM FOUND AND SHOULD NOT BE IN FORM OF A BLANKET OR LAYER. ⓓ SURFACE SHOULD BE STABILIZED BY ESTABLISHMENT OF A VEGETATIVE COVER OR BY MECHANICAL STABILIZATION TREATMENTS APPROPRIATE TO THE LOCAL SOIL TYPE AND CLIMATE.
7. EARTH COVER FOR ARCH SHALL BE PLACED IN SUCH A MANNER THAT DIFFERENCE IN HEIGHT OF EARTH FILL SHALL BE NOT MORE THAN 2'-0" AT ANY TIME. FILL ON OPPOSITE SIDES OF ARCH IS TO BE PLACED SIMULTANEOUSLY.
8. EARTH COVER SHALL BE PLACED IN SUCH A MANNER THAT INJURY TO MEMBRANE WATERPROOFING WILL NOT OCCUR.
9. BACKFILLING OPERATIONS SHALL NOT BE COMMENCED UNTIL APPROVAL HAS BEEN SECURED FROM THE CONTRACTING OFFICER.
10. FRONTWALL FOOTING SHALL BE PROVIDED WITH A FROST CURTAIN AT THE DISCRETION OF THE CONTRACTING OFFICER.
11. PROVIDE 6"Φ PERFORATED OR OPEN JOINTED DRAINS AT FOOTINGS OF REAR AND SIDE WALLS. SLOPE 0.25% TO OUTLET.
12. WHERE INDICATED ON THE DRAWINGS PROVIDE 5 PLY MEMBRANE WATERPROOFING PROTECTED BY 1" OF PARGING.
13. MIN. COVER FOR REINF. IS TO BE 2" UNLESS SHOWN OTHERWISE.

CONTINUED:
14. SHALLOW TYPE FOOTINGS ARE TO BE USED WHEN THE SOIL HAS A MINIMUM BEARING CAPACITY OF 3000#/□' AT FLOOR LEVEL
15. INTERMEDIATE, MEDIUM & DEEP TYPE FOOTINGS: THE WIDTHS OF THESE FOOTINGS SHOWN ARE BASED ON A MINIMUM BEARING CAPACITY OF 5500#/□'. WHEN THE SOIL BEARING CAPACITY IS OTHER THAN 5500#/□', THE SIZES OF FOOTINGS ARE TO BE MODIFIED ACCORDINGLY.
16. 5-PLY WATERPROOFING MEMBRANE SHALL HAVE TOP & BOTTOM PLY OF FABRIC OR FIBERGLASS.
17. OPTIONAL METHODS OF PROTECTION FOR MEMBRANE WATERPROOFING INCLUDE 3/4" THICK ASPHALT-SATURATED FIBERBOARD, TREATED FOR PROTECTION AGAINST FUNGI, TERMITES, MILDEW AND VERMIN, OR 1/4" THICK ASPHALT-SATURATED FIBERGLASS MAT.
18. & 19. SEE ABOVE

SCHEDULE OF DRAWINGS

DWG. NO	SHEET	TITLE
33-15-06	1 OF 7	TYPICAL PLAN & SECTIONS
33-15-06	2 OF 7	HALF FLOOR PLAN, SECTIONS & DETAILS
33-15-06	3 OF 7	HALF ELEVATIONS & DETAILS
33-15-06	4 OF 7	MISC. SECTIONS & DETAILS
33-15-06	5 OF 7	DOOR DETAILS, REAR WALL ELEV. & DETAILS
33-15-06	6 OF 7	WALL VENTILATOR & VENTILATOR STACK DETAILS
33-15-06	7 OF 7	APPROACH ROAD & BARRICADE DETAILS

REVISIONS

SYMBOL	DESCRIPTION	DATE	APPROVAL
ⓕ	CONTRACTION JOINT RELOCATED	31 MAY 56	ECD
ⓔ	TYPICAL PLANS: JOINTS INDICATED AND PLAN ADDED. NOTE ADDED AND NOTE REVISED.	29 JULY 55	ECD
ⓔ	TRANSVERSE SECTIONS: GRADE ELEVATIONS & FOOTINGS DRAWN TO SCALE. NOTE REVISED, DRAINS, SLEEVES & PIPES SHOWN.	"	
ⓔ	LONG. SECTIONS: AIR TERMINAL SIZE REVISED. FRONT WALL LOWERED, NOTE REGARDING CONDUCTOR REVISED.	"	
ⓓ	HEADWALL EXTENDED, EARTH RAMP MODIFIED.	28 OCT 54	ECD
"	ENTRANCE ROAD PLAN REVISED AND TRANSFERRED TO SHEET 7		
"	GENERAL NOTE 6 MODIFIED		
"	INTERMEDIATE AIR TERMINALS DELETED		
ⓒ	AIR TERMINALS ADDED, DRAIN DITCH OMITTED, DRAIN TILE SLOPE CHANGED	12 OCT 53	SU
ⓑ	NATURAL GRADE, LIGHTNING PROTECTION, & VENTILATOR MODIFIED	7 AUG 52	[illegible]
ⓐ	PREVIOUS DRAWING NUMBERS SUPERSEDED	31 MAR 52	WMR

ROSS & WALTON
ARCHITECTS - ENGINEERS
MT. RAINIER, MD.

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

DRAWN BY: TKS
TRACED BY: TKS
CHECKED BY: LW
SUBMITTED: ROSS & WALTON ARCHITECTS-ENGINEERS BY D.W. [signature]
APPROVED: [signature] CHIEF STRUCTURES BRANCH
APPROVED FOR
DATE:

MAGAZINE
MOUNDED CONCRETE IGLOO
TYPICAL PLAN & SECTIONS

APPROVED: [signature] COL. C. E. CHIEF ENGINEERING DIVISION
DATE: 1 AUG. 1951
SCALE: AS NOTED
SPEC. NO. 33-15-06-52-CE
DRAWING NUMBER 33-15-06
SHEET 1 OF 7

ⓐ THIS DWG. SUPERSEDES DWG. NOS. 652-686 THRU 652-692 & DWG. NO. 33-15-01

#28