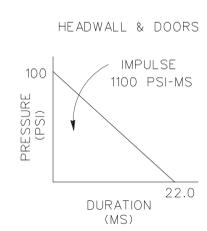


- NOTES:
- MINIMUM LENGTH 21'-0", FOR ADDITIONAL LENGTH ADD CORRUGATED STEEL PLATES OF 10'-0" AND/OR 12'-0" NET LENGTHS. MAXIMUM LENGTH WITH FLOOR SLOPE SHOWN: 89'-0" (MOST COMMONLY USED LENGTH: 89'-0")
  - DOOR OPENING TO BE SIZED FOR DOOR SIZE REQUIRED.
  - ALL METAL PARTS, TO INCLUDE REINFORCEMENT, LOUVERS, VENTILATOR, DOOR, DOOR FRAME, ETC., SHALL BE MADE ELECTRICALLY CONTINUOUS BY CLIPPING, BRAZING OR WELDING. ELECTRICAL CONTINUITY SHALL BE PROVIDED CROSS FLOOR CONSTRUCTION JOINTS AND ACROSS FLOOR ISOLATION JOINTS TO ARCH REINFORCEMENT AT 5 LINEAR INTERVALS. ACCEPTABLE ELECTRICAL CONTINUITY METHODS ARE REINFORCEMENT BARS, COPPER STRAPS, ETC.
  - REINFORCING STEEL SHALL BE ASTM A615 IN THE FOLLOWING GRADES:  
TIES - GRADE 40  
ALL OTHER - GRADE 60
  - DRAINS TO BE SITE ADAPTED TO DRAIN EITHER TO THE FRONT OR REAR OF THE MAGAZINE.
  - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 P.S.I. AT 28 DAYS.
  - REINFORCED CONCRETE THRUST BEAMS TO BE POURED IN A MANNER TO MAINTAIN BALANCED LOADING ON EACH SIDE OF THE STRUCTURE.
  - LONGITUDINAL REINFORCING BARS MAY BE PLACED ON EITHER SIDE OF BENT ROD.

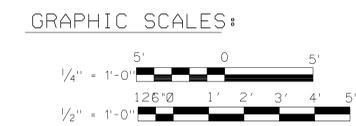
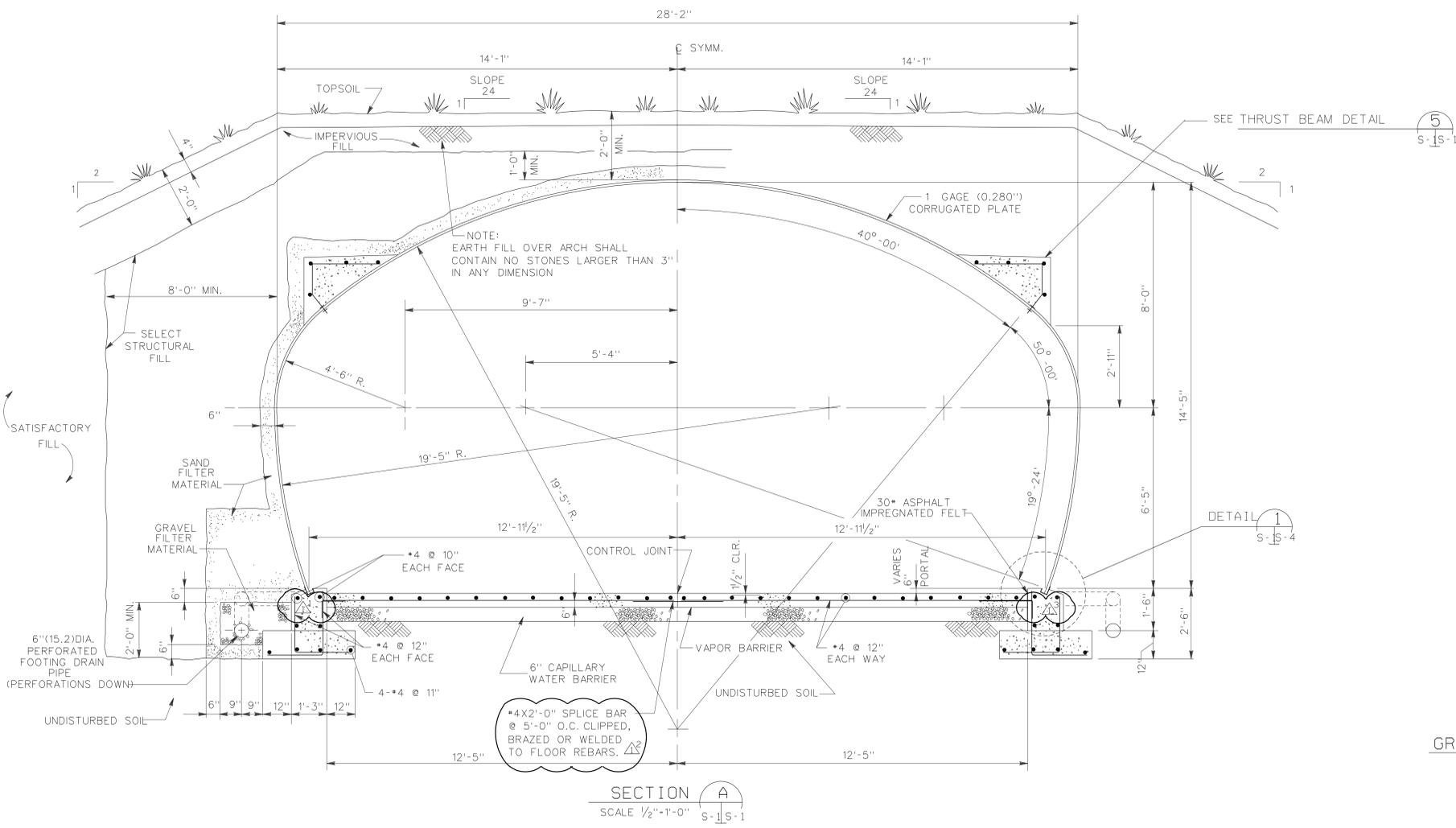
OVERPRESSURE LOADS:



OVERPRESSURE LOADS FOR HEADWALL AND DOORS ARE FROM FRONT-TO-REAR SPACING OF 2.0W.

EXPLOSIVE SAFETY REQUIREMENTS:

- THE MAXIMUM NET EXPLOSIVE WEIGHT (NEW) STORED IN EACH MAGAZINE SHALL BE 500,000 POUNDS, CLASS/DIVISION 1.1.
- SITING OF MAGAZINES SHALL BE IN ACCORDANCE WITH DOD 6055.9-STD, "AMMUNITION AND EXPLOSIVES SAFETY STANDARDS".
- MODIFICATIONS TO THE STRUCTURE, EXCEPT FOR SITE ADAPTION OF WING WALLS AND FOUNDATIONS, ARE NOT PERMITTED. IF ANY MODIFICATIONS ARE MADE, THE MAGAZINE SHALL BE CONSIDERED NON-STANDARD AND LIMITED TO 250,000 POUNDS NEW AND SHALL BE SITED ACCORDINGLY.



U.S. ARMY ENGINEER DIVISION, HUNTSVILLE CORPS OF ENGINEERS HUNTSVILLE, ALABAMA	
Site adapt A/E:	U.S. Army Corps of Engineers
<b>MAGAZINE, STEEL OVAL-ARCH, EARTH COVERED</b> PLAN AND SECTIONS	
Dwn. by: RDP	Ckd. by: AF
Reviewed by:	Date: 30 OCT 92
Approved by:	Drawing code: STD 421-80-03
Sheet reference number: <b>S-1</b>	Design file no.: 65856
Sheet 2 of 10	Rev.