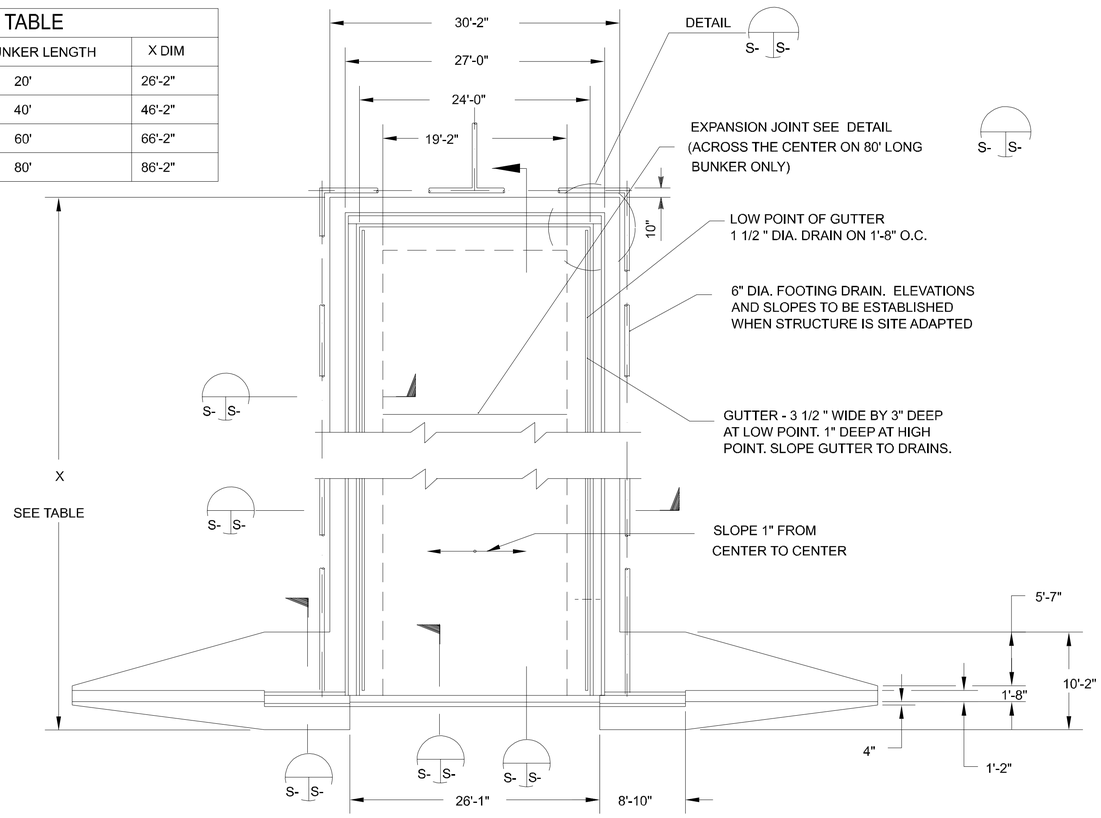
TABLE	
NOM. BUNKER LENGTH	X DIM
20'	26'-2"
40'	46'-2"
60'	66'-2"
80'	86'-2"



FOUNDATION AND FLOOR PLAN

SCALE: N.T.S.

GENERAL NOTES:

1. LIGHTNING PROTECTION SYSTEM (LPS). ALL METAL PARTS, TO INCLUDE REINFORCEMENT IN FLOOR, PRECAST WALLS AND ROOF PANELS, LOUVERS, VENTILATORS, DOORS AND DOOR FRAME, SHALL BE MADE ELECTRICALLY CONTINUOUS BY BONDING (CLIPPING, BRAZING OR WELDING) AT 5 LINEAR FEET INTERVALS. ELECTRICAL CONTINUITY SHALL BE PROVIDED ACROSS FLOOR EXPANSION AND ISOLATION JOINTS TO FOUNDATION PEDESTALS AT 5 LINEAR FEET INTERVALS. ELECTRICAL CONTINUITY BETWEEN WALL AND ROOF PRECAST PANELS, AND BETWEEN PRECAST WALLS AND CONCRETE PEDESTAL FOOTING SHALL BE PROVIDED DURING CONSTRUCTION. ACCEPTABLE CONTINUITY METHODS ARE REINFORCEMENT BARS, COPPER . STRAPS, ETC.
2. WELDING OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE STRUCTURAL WELDING CODE FOR STEEL OF THE AMERICAN WELDING SOCIETY (AWS) D1.1.
3. TUBE STEEL (TS) SHALL CONFORM TO ASTM A-500, GRADE B.
4. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.
5. FOOTINGS SHOWN WERE SIZED FOR A SOIL BEARING VALUE OF 3000 PSF. FOOTINGS MUST BE REDESIGNED IF THE SOILS INVESTIGATION DOES NOT CONFORM TO THIS MINIMUM BEARING CAPACITY.
6. IT IS THE RESPONSIBILITY OF THE SITE ADAPTION ENGINEER TO MODIFY THESE DRAWINGS TO MEET LOCAL SITING, FOUNDATION, AND TOPOGRAPHIC CONDITIONS. INAPPROPRIATE NOTES AND DETAILS SHALL BE DELETED FROM THE DRAWINGS.
7. JOINTS SHALL BE LOCATED AS SHOWN ON DRAWINGS.
8. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI
9. REINFORCEMENT STEEL SHALL CONFORM TO ASTM A-615, GR. 60. TIES SHALL BE GR. 40 OR GR 60.
10. ALL REINFORCING BARS SHALL BE PLACED IN ACCORDANCE WITH ACI BUILDING CODE (ACI-318) LATEST EDITION.
11. WELDED WIRE FACRIC SHALL CONFORM TO ASTM 1-185, GR. 60.
12. DETAILING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE LATEST ACI MANUAL FOR DETAILING (SP-66).
13. ALL STRUCTURAL STEEL EXPOSED TO SOIL SHALL BE COATED WITH COAL TAR EPOXY.
14. REINFORCEMENT BARS SHALL NOT BE BENT OR STRAIGHTENED IN A MANNER THAT WILL DAMAGE THE MATERIAL. BARS WITH KINKS OR IMPROPER BENDS SHALL NOT BE USED.
15. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS, BUT DISCONTINUOUS AT ALL CONTROL JOINTS, UNLESS OTHERWISE NOTED.
16. PROVIDE 24 INCHES EARTH COVER MINIMUM ON ROOF.
17. WATERPROOF ALL SURFACES OF THE SHELTER WHICH WILL BE IN CONTACT WITH EARTH FILL AFTER SHELTER IS ERECTED.
18. ALL STRUCTURAL DRAWINGS WERE DESIGNED BY THE AIR FORCE AND ARE REFORMATTED FROM THE AIR FORCE DRAWINGS: 9210827 REV. B, 9210828 REV. A, 9210829 REV.A, 9210830 REV. A, 9210831 REV. A, 9210832 REV. B, AND 9484969.

US Army Corps of Engineers

Symbol	Description	Date	Approved	Symbol	Description	Date	Approved

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Dwn by: RLA
Ckd by: WAW
Reviewed by: CMB
Submitted by: William H. Zebert

U. S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
HUNTSVILLE, ALABAMA

AIR FORCE MODULAR STORAGE MAGAZINE BOX-TYPE
421-80-06

FOUNDATION & FLOOR PLAN

Sheet reference number:
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