STORAGE IN APPROVED MAGAZINES OF BLU-109/B BOMBS IN CNU-417/E CONTAINER

INDEX

ITEM	PAGE(S)
GENERAL NOTES AND MATERIAL SPECIFICATIONS	
DETAILS	. 3
STORAGE PROCEDURES (EARTH COVERED MAGAZINES): 81'-0". 60'-8" AND 40'-4" L X 26'-6" W X 12'-9" H IGLOO MAGAZINES	4.5
81'-2" L X 26'-6" W X 12'-1-3/4" H ARCH TYPE MAGAZINE	6,7
80'-0" AND 40'-0" L X 25'-0" W X 12'-1-3/4" H ARCH TYPE MAGAZINES	
80'-0" AND 40'-0" L X 25'-0" W X 10'-0" H ARCH TYPE MAGAZINES	,
80'-0" L X 25'-0" W X 14'-0" H STRADLEY MAGAZINE	
89'-0" L X 24'-11" W X 13'-6" H STEEL ARCH MAGAZINE	,
52'-0" DIAMETER CORBETTA MAGAZINE	18,19
100 8 L A 30 0 W NECTAROULAR MADAZINE	20,21

U.S. ARMY MATERI	EL C	OMM	AND DE	RAWING	
APPROVED, U.S. ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND	DRAFTSMAN		D. WHITMORE		
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APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND		S ENGINEER	RING Will	in FErnst	
William F Ernst	FEBRUARY 1995				
U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL	CLASS	NOISIVID	DRAWING	FILE	
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DO NOT SCALE

GENERAL NOTES

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1 AND AUGMENTS TM 743-200-1 (CHAPTER 5).
- B. THE STORAGE PROCEDURES SPECIFIED IN THIS DRAWING ARE APPLICABLE TO BLU-109/B BOMBS IN THE CNU-417/E CONTAINER. SUBSEQUENT REFERENCE TO CONTAINER MEANS CONTAINER WITH CONTENTS.
- C. FOR DETAIL OF THE CNU-417/E CONTAINER SEE U.S. AIR FORCE DRAWING NO. 8463212 AND "CONTAINER" DETAIL ON PAGE 3.
- D. THE STORAGE PROCEDURES DEPICTED WITHIN THIS DOCUMENT ARE APPLICABLE FOR STORAGE IN VARIOUS TYPES AND SIZES OF MAGAZINES. THE STORAGE PROCEDURES DEPICTED FOR THE SPECIFIC TYPES OF MAGAZINES MAY ALSO BE UTILIZED TO STORE CONTAINERS IN OTHER TYPES OF APPROVED MAGAZINES. MINOR ADJUSTMENTS MAY BE MADE TO FACILITATE STORAGE IN OTHER TYPES OF MAGAZINES, HOWEVER, THE BASIC PRINCIPLES AS DEPICTED HEREIN WILL BE FOLLOWED.
- E. CAUTION: THE ALLOWABLE "EXPLOSIVE LIMIT" ESTABLISHED FOR A MAGAZINE IS NOT TO BE EXCEEDED. THIS LIMITATION MAY REQUIRE A QUANTITY REDUCTION FROM THE STORAGE AS SHOWN.
- F. AISLE DIMENSIONS AS SHOWN HEREIN MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS, AND/OR AVAILABLE MATERIALS HANDLING EQUIPMENT (MHE).
- G. IF AVAILABLE MHE PERMITS, ADDITIONAL CONTAINERS MAY BE STORED WITHIN THE FRONTAL AREA AND/OR OTHER AVAILABLE AREA OF THE MAGAZINE.
- H. STORED CONTAINERS MUST NOT CONTACT THE WALLS OF A MAGAZINE. TO PROVIDE FOR THIS MANDATORY CLEARANCE REQUIREMENT, CONTAINERS MAY BE ELIMINATED FROM THE DEPICTED STORAGE PATTERN AS NECESSARY.
- J. OTHER COMPATIBLE ITEMS MAY BE STORED IN A MAGAZINE WHICH IS PARTIALLY FILLED WITH THE DESIGNATED ITEM.
- K. IN IGLOO, ARCH TYPE AND STRADLEY MAGAZINES WHICH HAVE FLOORS THAT SLOPE TOWARD THE SIDEWALLS, WEDGES, WHERE SHOWN, ARE REQUIRED TO PERMIT LEVEL STACKING OF CONTAINERS. THE USE OF 2" X 4" FLOOR DUNNAGE UNDER CONTAINER STACKS, AS DEPICTED THROUGHOUT THESE PROCEDURES, IS OPTIONAL. THE PURPOSE OF USING FLOOR DUNNAGE IS TO KEEP THE SKIDS OF A CONTAINER DRY THUS AIDING IN PREVENTING DETERIORATION DUE TO CORROSION. THEREFORE, FLOOR DUNNAGE SHOULD BE USED WHEN STORING IN A MAGAZIINE THAT IS KNOWN TO HAVE A "DAMP" FLOOR. IN STEEL ARCH MAGAZINES WHICH HAVE FLOORS SLOPING FROM THE REAR TO THE FRONT AND ELSEWHERE AS REQUIRED, TO ACHIEVE SOUND AND ACCEPTABLE STABLE STACKS, STACK STABILIZING DUNNAGE IN THE FORM OF SHIMS WILL BE USED UNDER CONTAINER STACKS. SHIM MATERIAL OF VARYING THICKNESSES WILL BE USED UNDER THE SKIDS AT THE ENDS OF FIRST LAYER CONTAINERS AS REQUIRED TO GAIN LEVEL STACKS AND SOLID BEARING WITHIN A STACK FROM THE FLOOR OF A MAGAZINE TO THE TOP OF THE STACK.
- L. THE HEIGHT OF THE PACKAGE GUARD ON SOME FORKLIFT TRUCKS MAY NOT PERMIT PLACEMENT OF SOME TOP LAYER CONTAINERS IN THE STACKS SHOWN IN THE "SECTION" VIEWS HEREIN. UNLESS TWO UPPER CONTAINERS ARE HANDLED AS ONE LIFT OR THE PACKAGE GUARD IS REMOVED (TINE CARRIAGE WILL IN MOST INSTANCES PROVIDE ADEQUATE PACKAGE GUARD PROTECTION). ONLY A FORKLIFT TRUCK OF ADEQUATE CAPACITY WILL BE USED WHEN LIFTING TWO CONTAINERS AS ONE LIFT.
- M. DUNNAGE LUMBER SPECIFIED THROUGHT THIS PROCEDURAL DRAWING IS OF NOMINAL SIZE. FOR EXAMPLE, 2" X 4" MATERIAL IS ACTUALLY 1-1/2" THICK BY 3-1/2" WIDE.

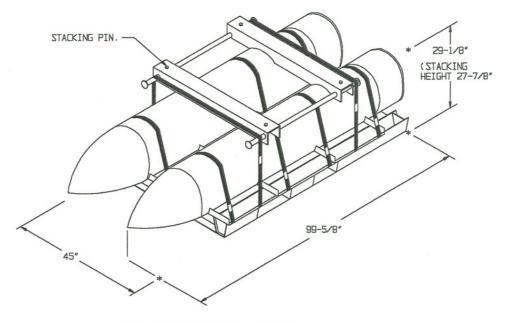
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MATERIAL SPECIFICATIONS

LUMBER - - -: FED SPEC MM-L-751; DUNNAGE LUMBER, SEE TM 743-200-1.

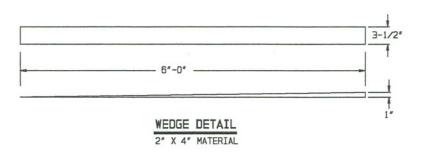
(GENERAL NOTES CONTINUED)

- N. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS, HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- O. IF THE QUANTITY OF CONTAINERS FOR A MAGAZINE IS TO BE REDUCED FROM WHAT IS SHOWN HEREIN DUE TO THE PERMITTED "EXPLOSIVES LIMIT" OR FOR ANY OTHER REASON, SUCH AS A LIMITED QUANTITY TO BE STORED, THE DELINEATED PROCEDURES ARE TO BE ADJUSTED BY OMITTING STACKS RATHER THAN BY OMITTING LAYERS.
- P. CONTAINERS PRESENTLY STORED IN ACCORDANCE WITH A PRIOR APPROVED DRAWING NEED NOT BE RE-STORED SOLEY TO CONFORM TO THE PROCEDURES SPECIFIED IN THIS DOCUMENT.



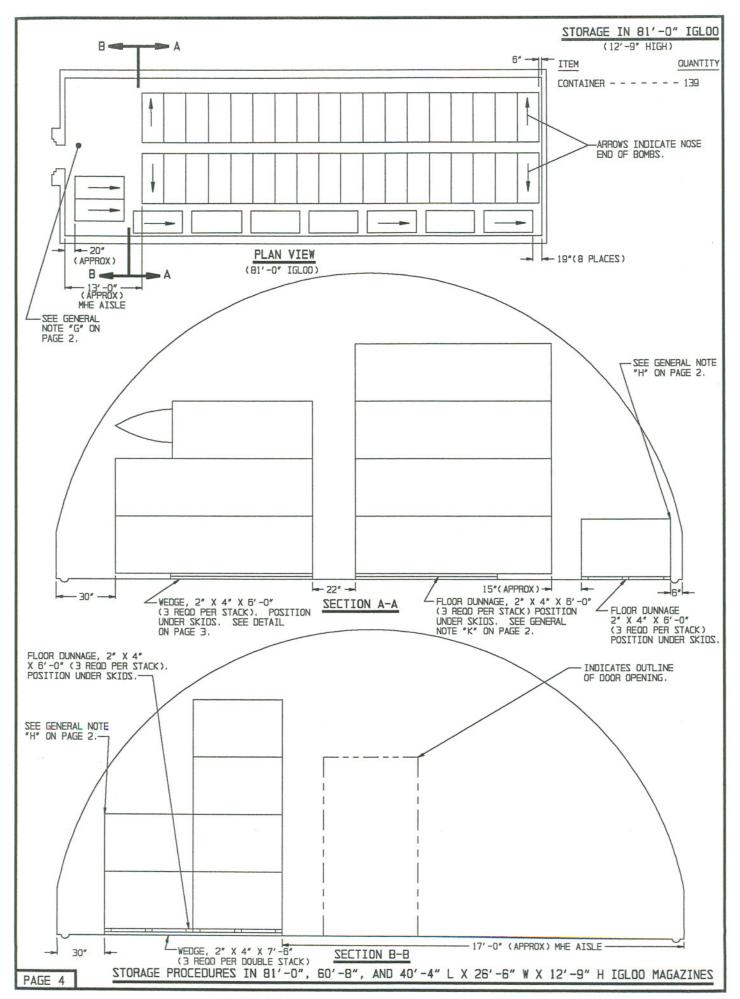
CNU-417/E CONTAINER DETAIL

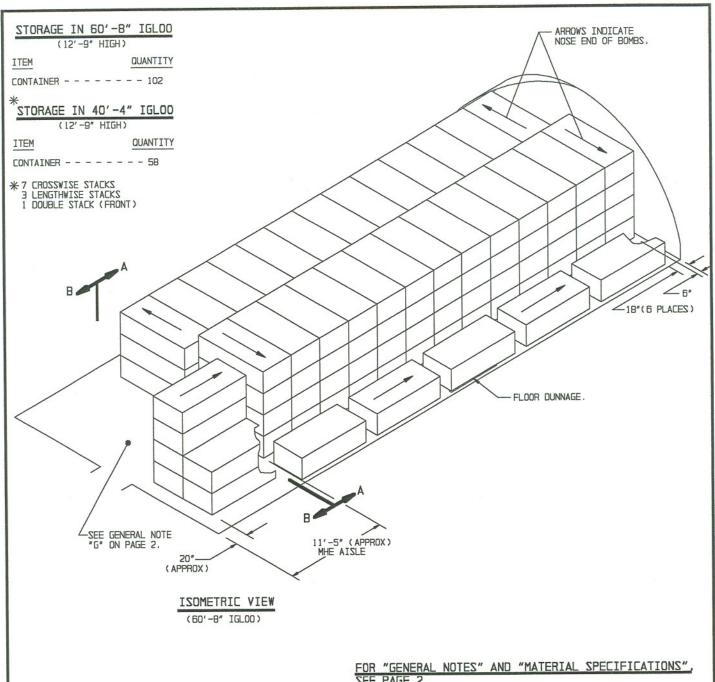
GROSS WEIGHT - - - - - - 4,470 LBS (APPROX)
CUBE - - - - - - 74.7 CU, FT.(APPROX)



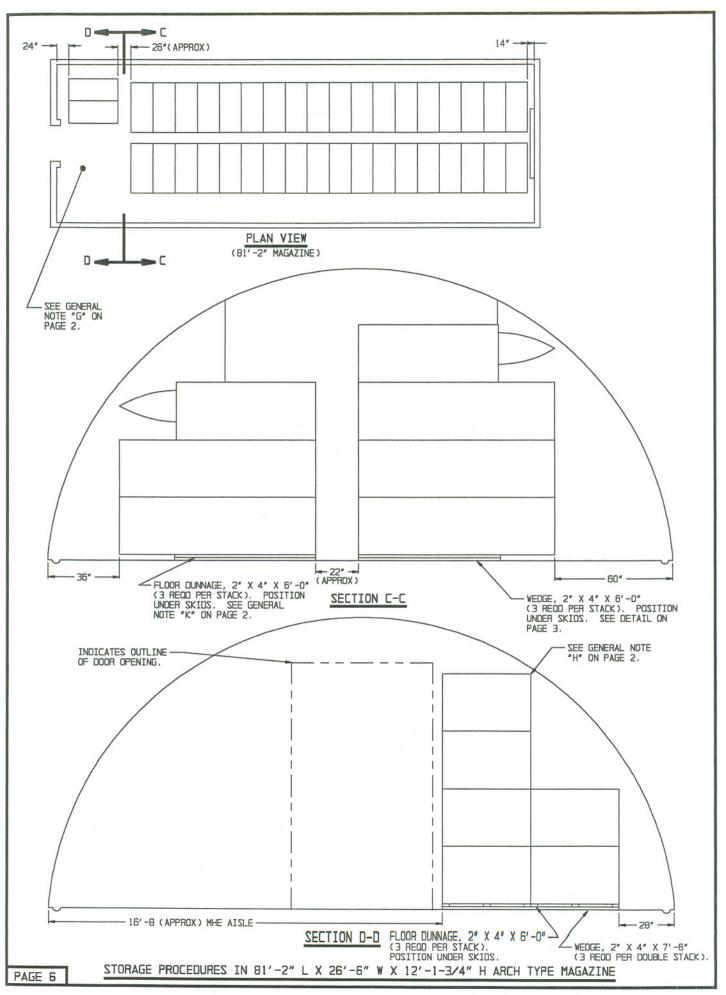
DETAILS

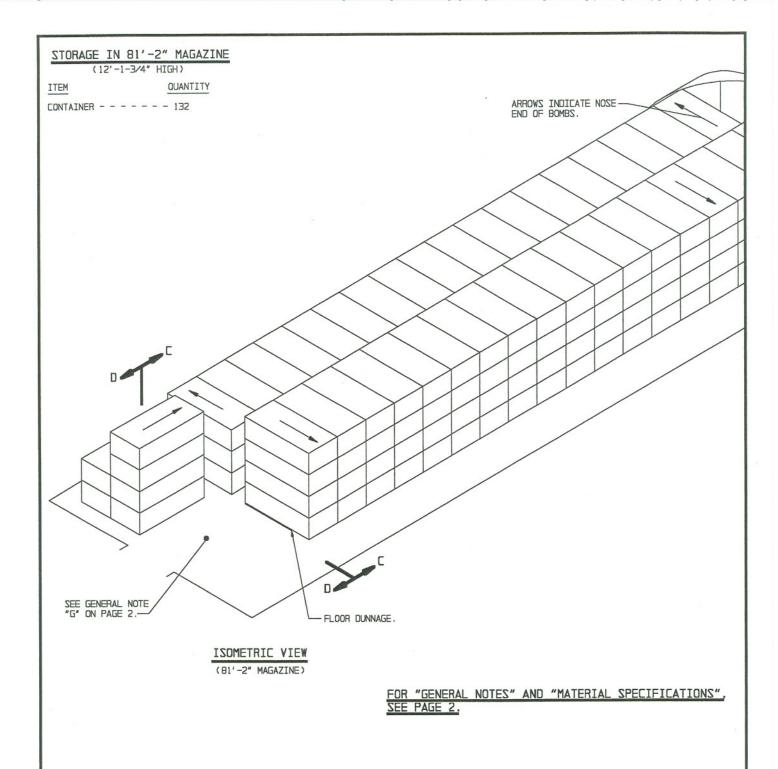
PAGE 3



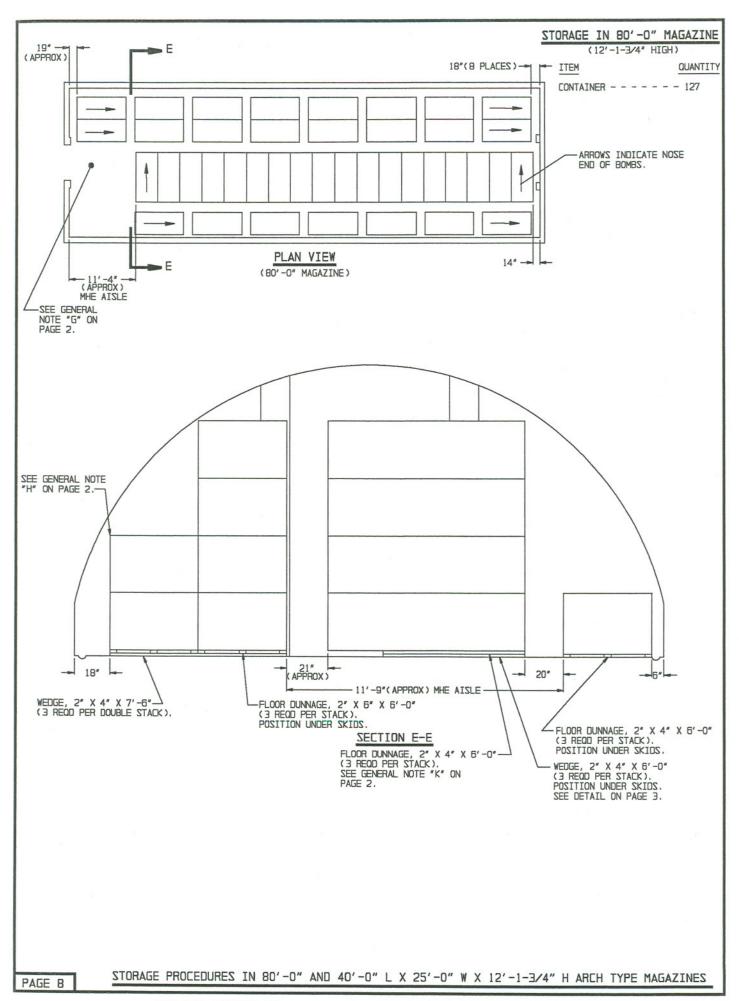


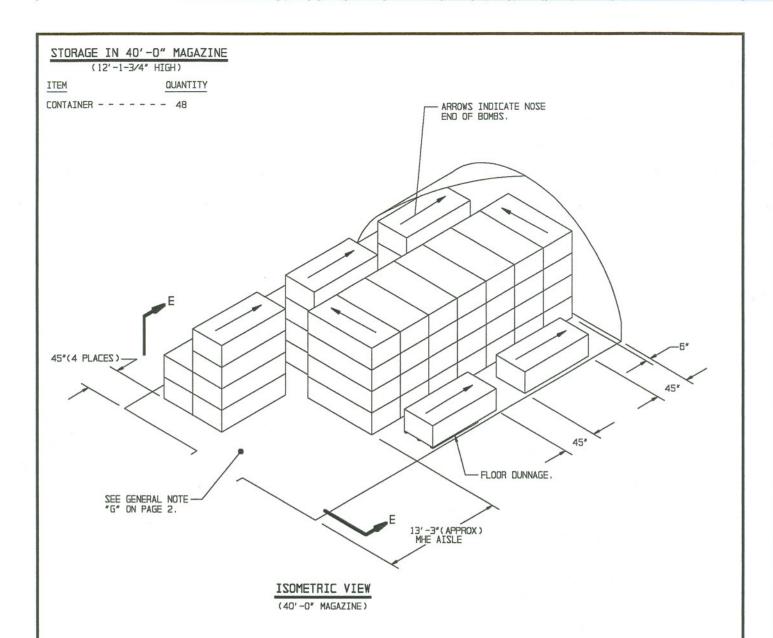
SEE PAGE 2.

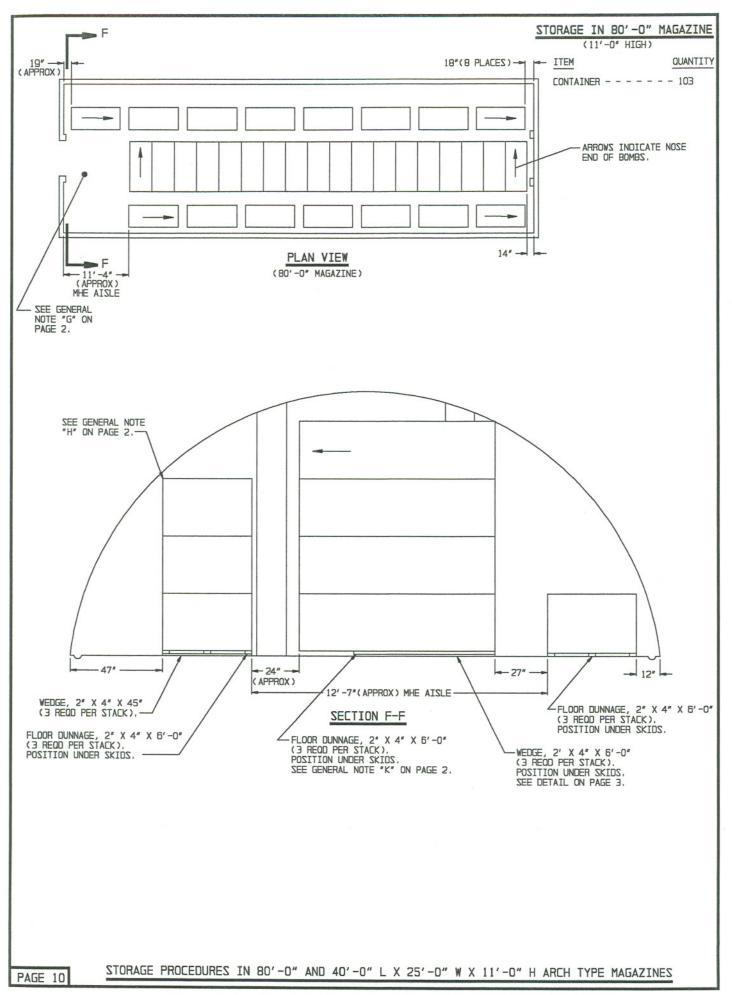


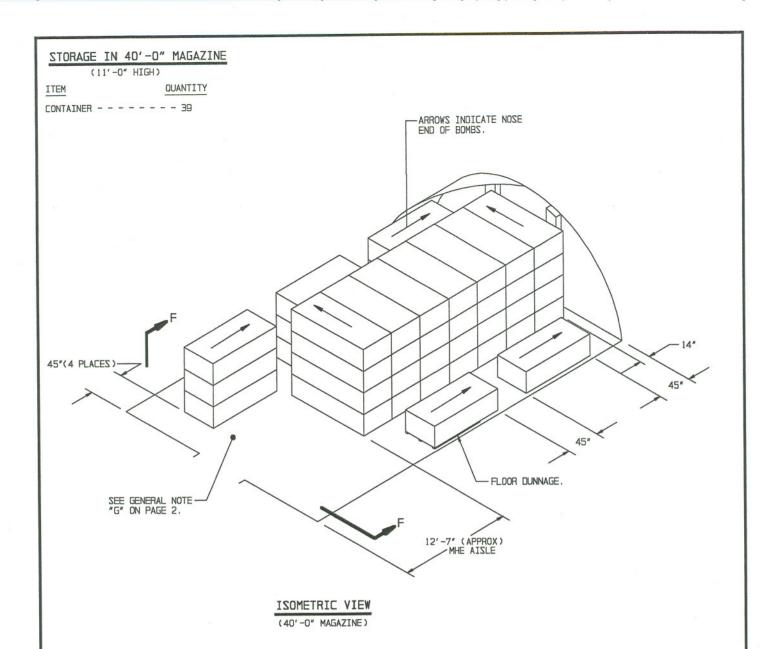


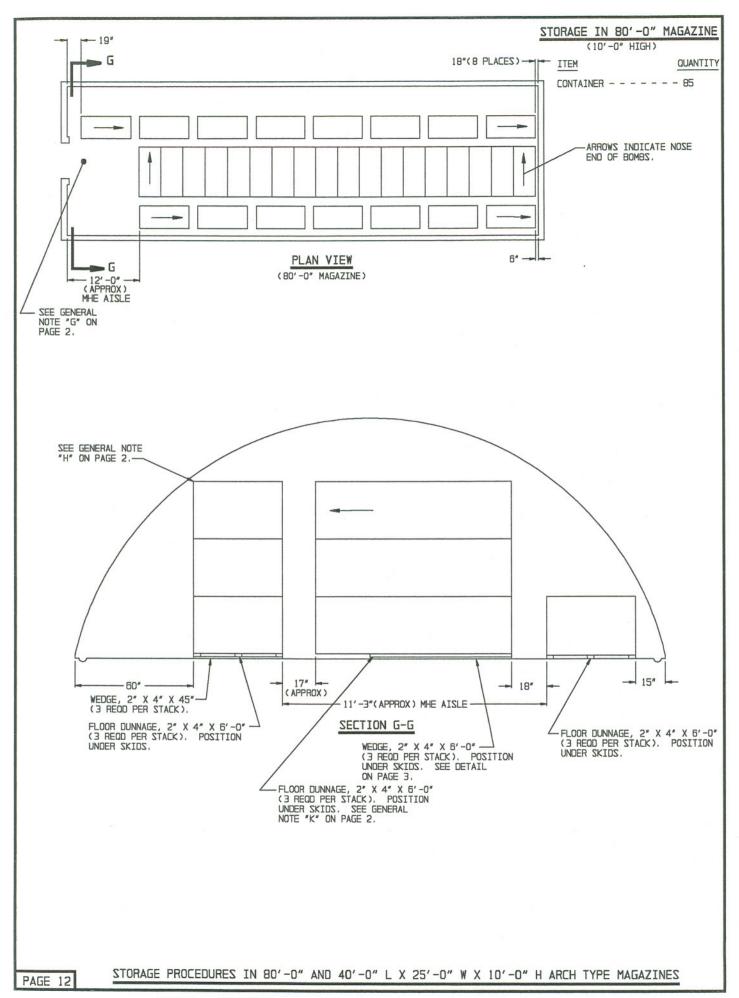
STORAGE PROCEDURES IN B1'-2" L X 26'-6" W X 12'-1-3/4" H ARCH TYPE MAGAZINE

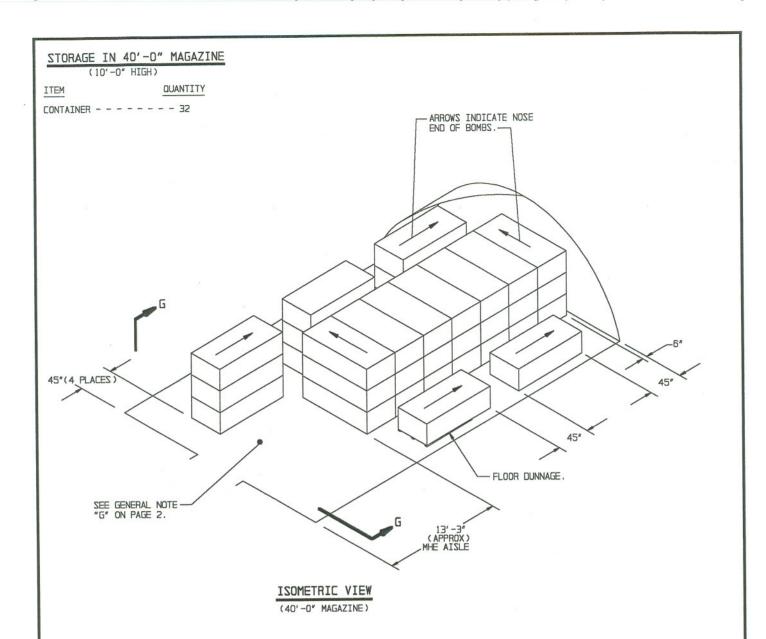


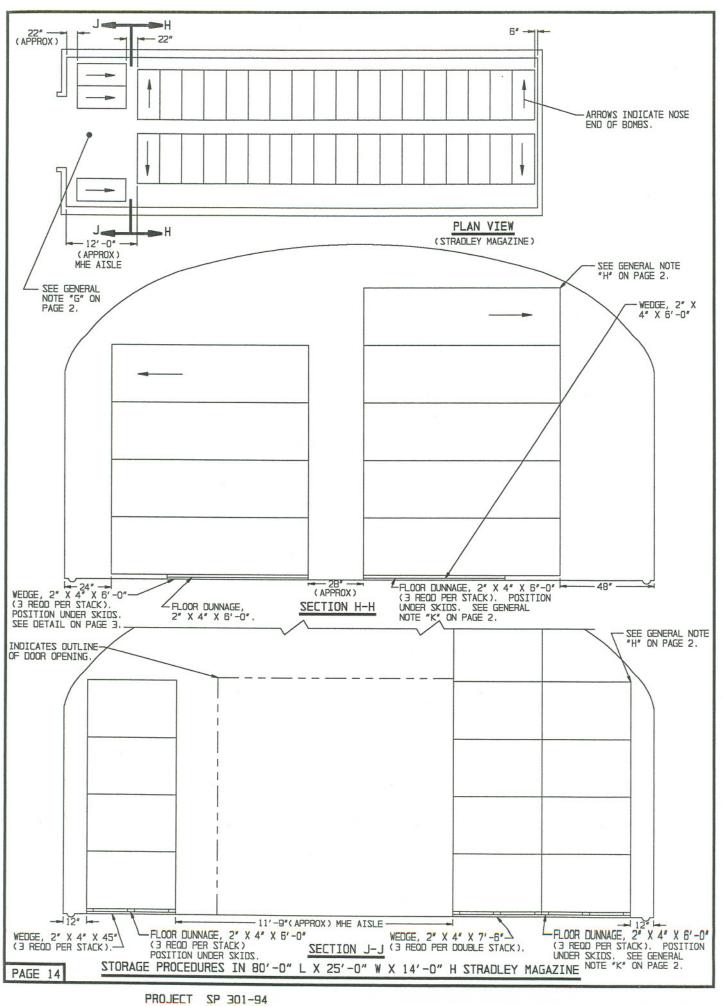


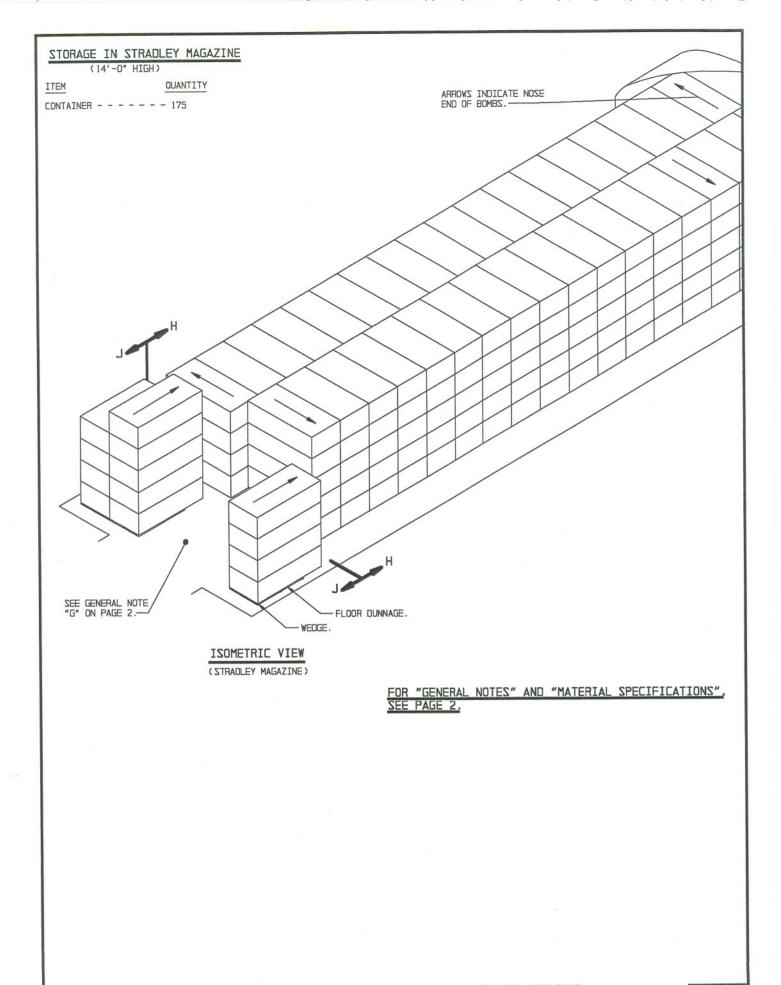


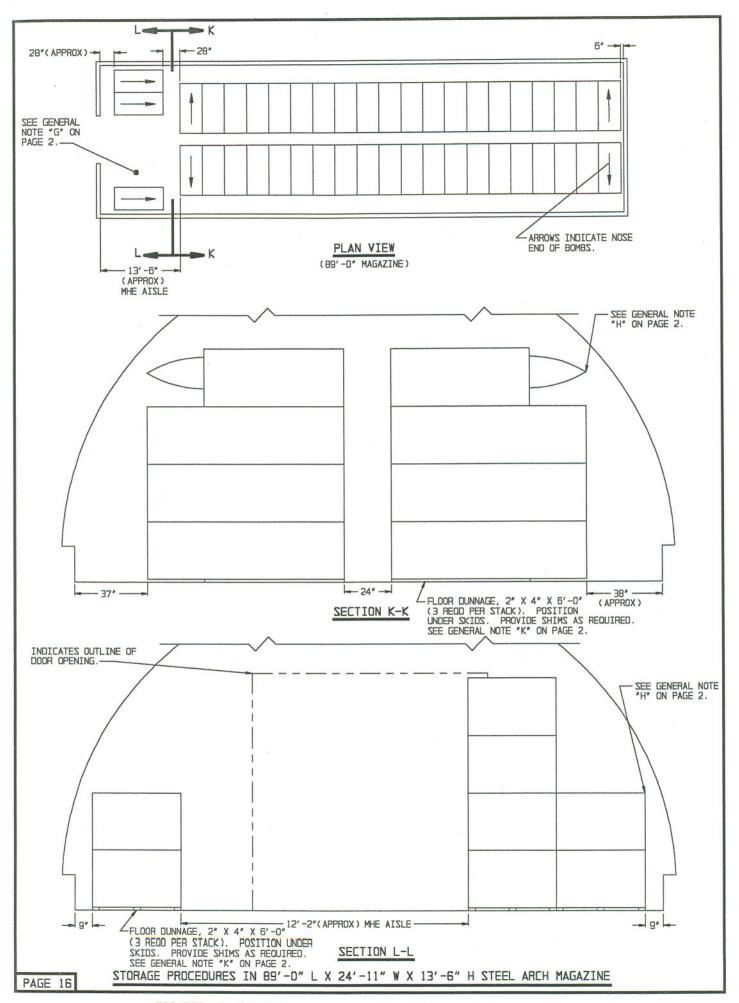


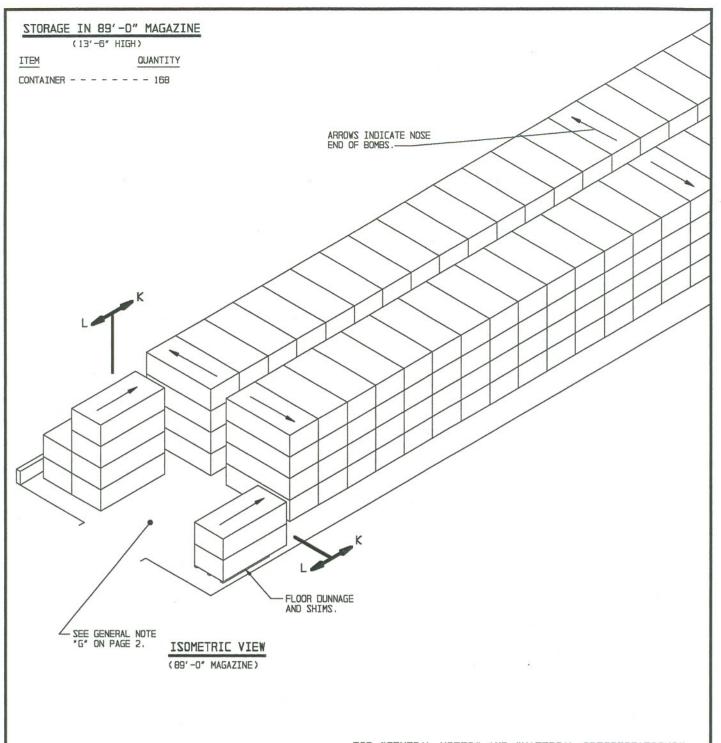




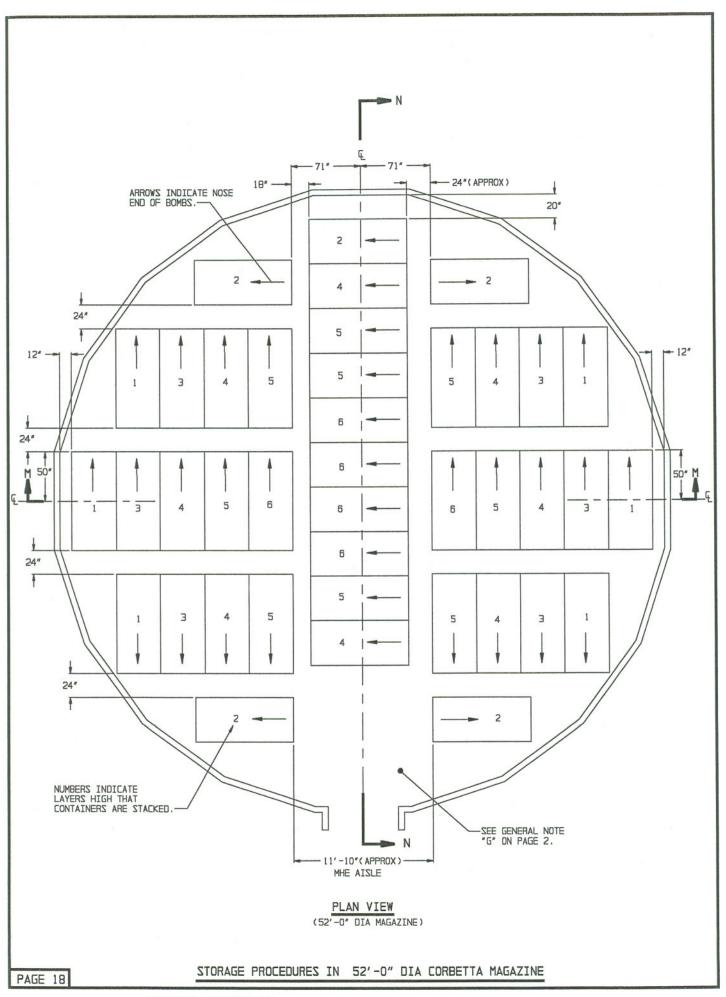








STORAGE PROCEDURES IN 89'-0" L X 24'-11" W X 13'-6" H STEEL ARCH MAGAZINE

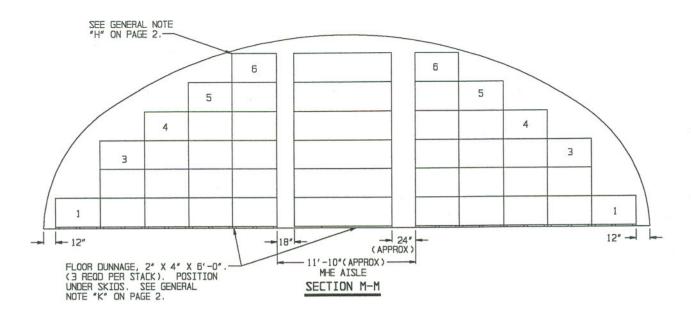


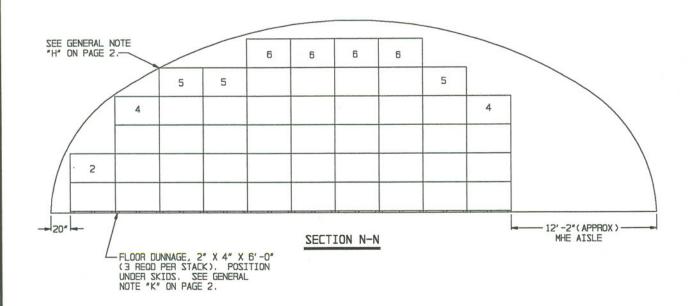
STORAGE IN 52'-0" DIA MAGAZINE

ITEM

QUANTITY

CONTAINER - - - - - 147

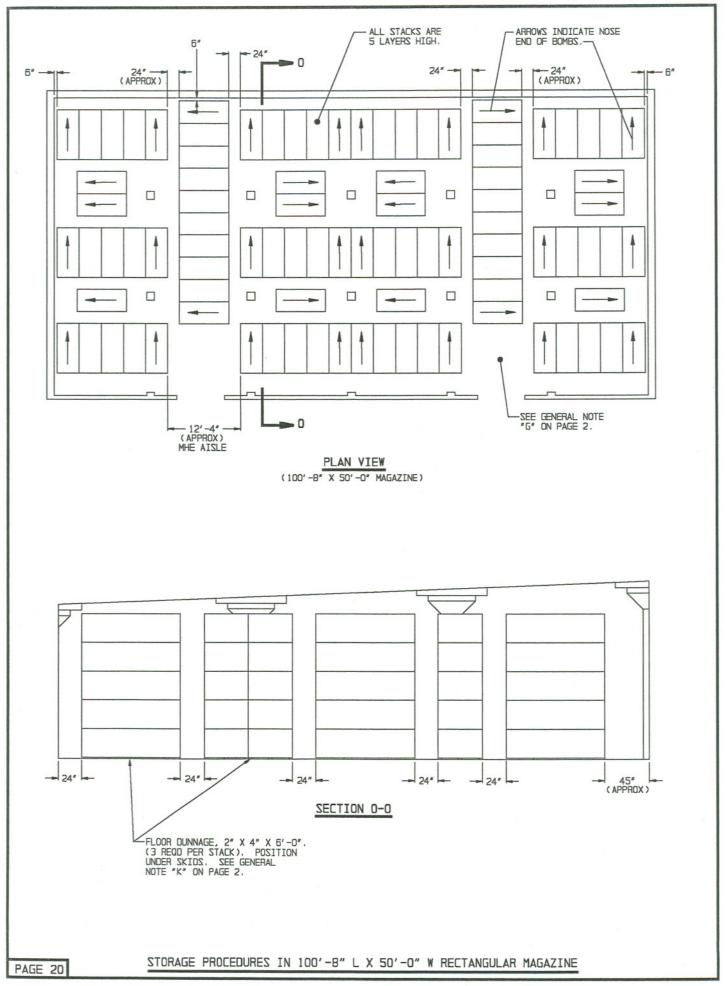


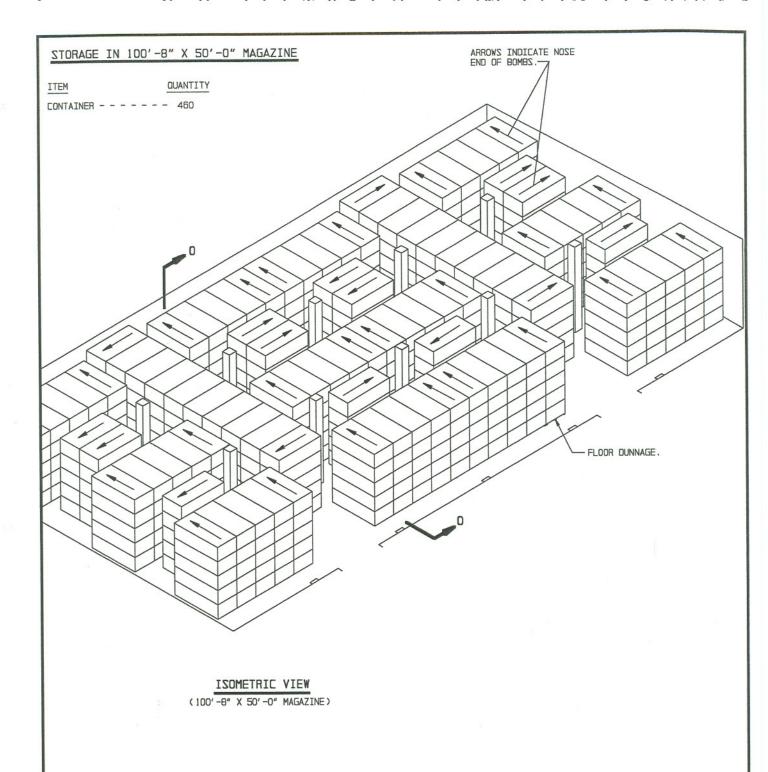


FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.

STORAGE PROCEDURES IN 52'-0" DIA CORBETTA MAGAZINE

PAGE 19





STORAGE PROCEDURES IN 100'-B" L X 50'-O" W RECTANGULAR MAGAZINE

14			- 1
N/			
200			- 1
10			1
9			
9.1			
# E			
			- 1
			1
			- 1
			- 1
			- 1
			-
PAGE 22			