# STORAGE IN APPROVED MAGAZINES OF PROPELLANTS AND BULK EXPLOSIVES PACKED IN FIBERBOARD DRUMS UNITIZED WITH STRETCH NET ON WOODEN PALLETS

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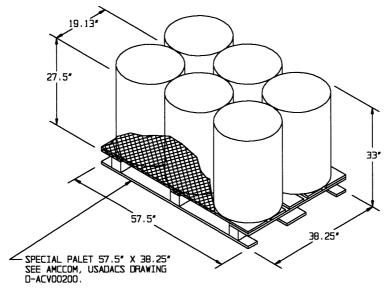
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U.S. ARMY MATERIEL COMMAND DRAWING					
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APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND	LOGISTICS ENGINEERING William FERNARY 1994				
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DO NOT SCALE

### GENERAL NOTES

- 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 DEPICTED WITHIN THIS DOCUMENT ARE APPLICABLE FOR STORAGE OF PROPELLANTS AND BULK EXPLOSIVES PACKED IN FIBER BOARD DRUMS UNITIZED WITH STRETCH NET ON WOODEN PALLETS. THE STORAGE PROCEDURES DEPICTED FOR THE SPECIFIC TYPES OF MAGAZINES MAY ALSO BE UTILIZED FOR STORAGE OF PALLET UNITS 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.
- C. FOR DETAILS OF THE PALLET UNITS, SEE PAGE 3. THE GROSS WEIGHT OF THE PALLET UNITS SHOWN MAY VARY BASED ON THE TYPE OF PROPELLANT OR BULK EXPLOSIVE BEING STORED.
- D. CAUTION: THE ALLOWABLE "EXPLOSIVE LIMIT" ESTABLISHED FOR A MAGAZINE IS NOT TO BE EXCEEDED. STORAGE OF SOME SPECIFIC TYPES OF BULK EXPLOSIVES MUST ALSO COMPLY WITH CURRENT DIRECTIVE AND REGULATORY REQUIREMENTS OTHER THAN AS SPECIFIED IN THIS DRAWING.
- E. EACH STACK OF PALLET UNITS MUST BE ACCESIBLE FOR REMOVAL BY MHE AND WILL BE INSPECTED PERIODICALLY TO ASSURE STABILITY OF THE STACKS. IF, FOR ANY REASON, IT IS NECESSARY TO REMOVE A PALLET UNIT FROM A STACK, THE OTHER PALLET UNITS WILL BE TEMPORARILY RELOCATED IN THE MHE AREA AISLE TO GAIN ACCESS TO THE SPECIFIC UNIT TO BE REMOVED.
- F. STORED PALLET UNITS MUST NOT CONTACT THE WALLS OF A MAGAZINE. TO PROVIDE FOR THIS MANDATORY CLEARANCE REQUIREMENT, UNITS MAY BE ELIMINATED FROM THE DEPICTED STORAGE PATTERN AS NECESSARY.
- G. AISLE DIMENSIONS SHOWN FOR STORAGE PROCEDURES IN MAGAZINES MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS, VARIATIONS IN PALLET UNIT DIMENSIONS, AND/OR AVAILABLE MATERIALS HANDLING EQUIPMENT.
- H. THE MAXIMUM FLOOR LOAD FOR A MAGAZINE AS PRESCRIBED BY LOCAL STANDARDS WILL NOT BE EXCEEDED.
- J. THE HEIGHT OF THE PACKAGE GUARD ON SOME FORKLIFT TRUCKS
  MAY NOT PERMIT PLACEMENT OF SOME TOP LAYER UNITS IN THE
  STACKS SHOWN IN THE STORAGE VIEWS HEREIN, UNLESS TWO
  UPPER PALLET UNITS 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 PALLET UNITS AS ONE LIFT.
- K. STACK STABLIZING DUNNAGE IN THE FORM OF "SHIMS" MAY BE REQUIRED TO ACHIEVE SOUND AND ACCEPTABLE STABLE STACKS. SHIM MATERIAL OF VARYING THICKNESS WILL BE USED AS REQUIRED TO GAIN LEVEL OR NEARLY LEVEL STACKS AND SOLID BEARING WITHIN A STACK FROM THE FLOOR OF A MAGAZINE TO THE TOP OF THE STACK.
- L. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS, HAVE NOT BEEN SHOWN IN THE VIEWS FOR CLARITY PURPOSES.
- M. STORAGE OF MULTIPLE LOTS IN A MAGAZINE WILL REQUIRE CAREFUL PRE-PLANNING SO AS TO INSURE MHE ACCESSIBILITY TO ANY LOT. THE BASIC STORAGE PATTERNS SHOWN HEREIN CAN ALSO BE ADAPTED FOR THE STORAGE OF MORE THAN ONE LOT AND BE READILY REMOVABLE. A SPACE OF APPROXIMATELY 1" SHOULD BE LEFT BETWEEN ADJACENT STACKS CONTAINING DIFFERENT LOTS.
- N. PROPELLANTS AND BULK EXPLOSIVES IN FIBERBOARD DRUMS PRESENTLY STORED IN ACCORDANCE WITH A PRIOR APPROVED DRAWING NEED NOT BE RE-STORED SOLEY TO CONFORM TO THE PROCEDURES SPECIFIED IN THIS DOCUMENT.
- O. A PRODUCTION OR STORAGE FACILITY IS AUTHORIZED TO HAVE ONE INCOMPLETE/PARTIAL UNIT LOAD PER LOT IN A STORAGE STRUCTURE. PRIOR TO SHIPMENT, THE PARTIAL UNIT LOAD MUST BE COMPLETED WITH EMPTY DRUMS. THE UNIT MUST THEN BE RE—STRETCH NETTED WITH THE SAME SPECIFIED MATERIAL AS THE ORIGINAL UNIT.



# PALLET UNIT "A"

(BULK EXPLOSIVES)

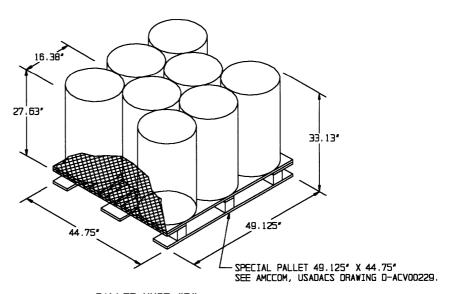
GROSS WEIGHT - - - 1,620 LBS (APPROX)

CUBE - - - - - - 42.0 CU. FT. (APPROX)

SEE GENERAL NOTE "C" ON PAGE 2

AND UNITIZATION DRAWING

AMC 19-48-4177/4-20PA1007.



# PALLET UNIT "B"

(PROPELLANTS)

GROSS WEIGHT - - 1,488 LBS (APPROX)

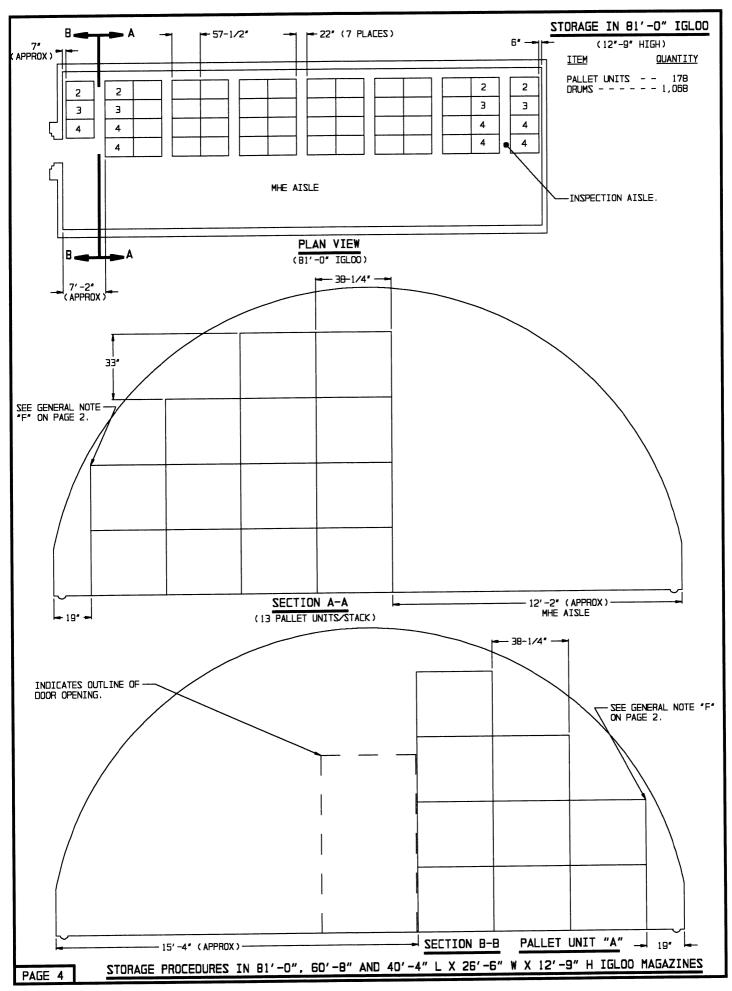
CUBE - - - - - 42,16 CU. FT. (APPROX)

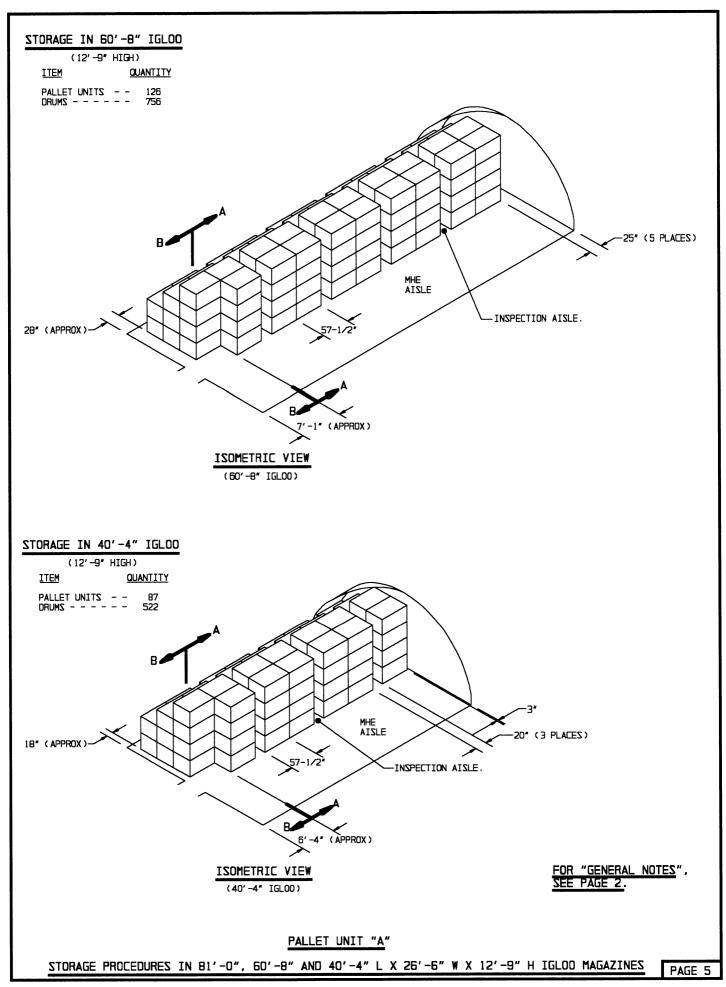
SEE GENERAL NOTE "C" ON PAGE 2

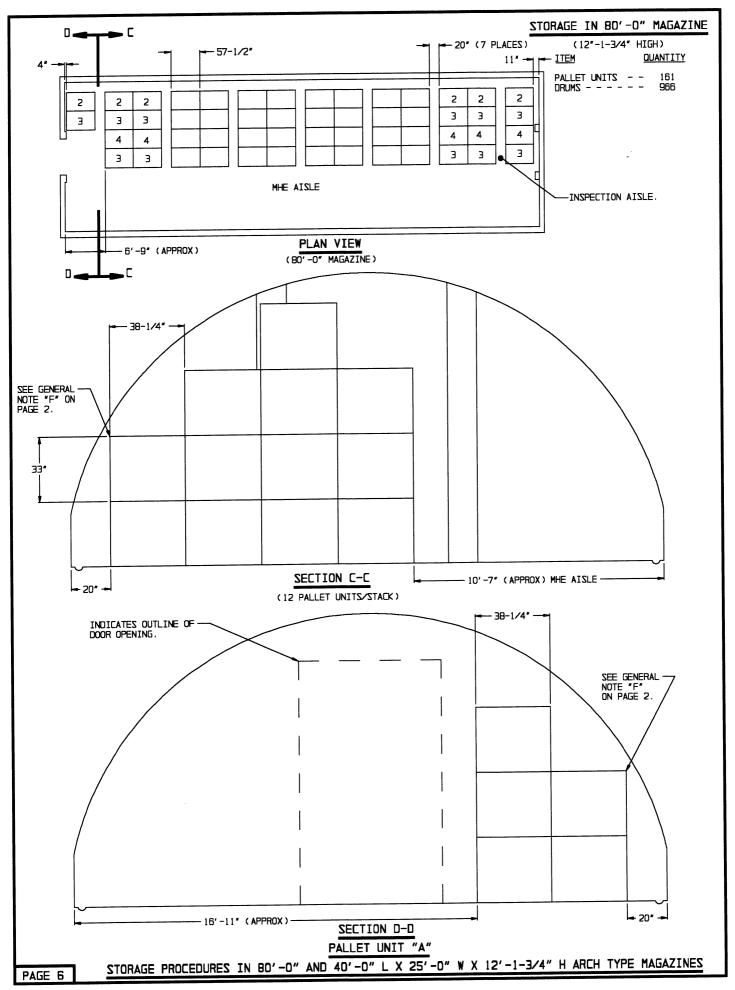
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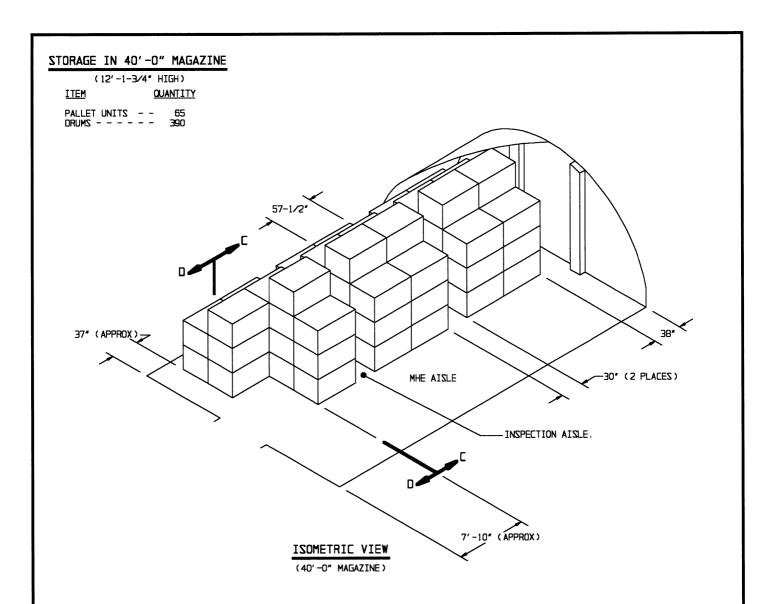
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UNIT DETAILS





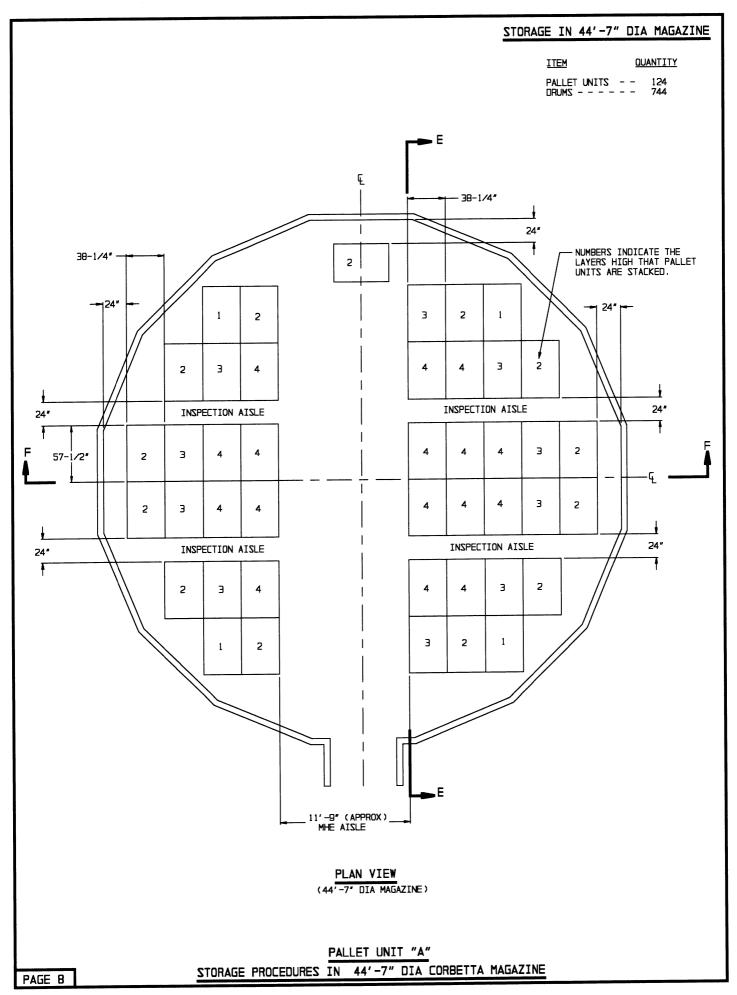


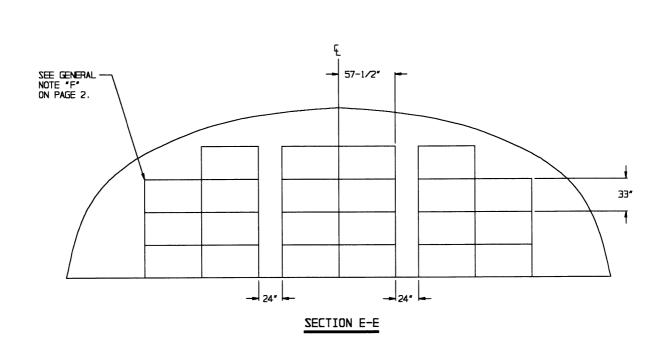


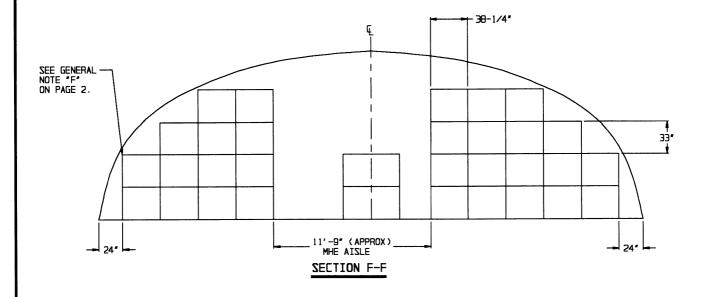
FOR "GENERAL NOTES", SEE PAGE 2.

PALLET UNIT "A"

STORAGE PROCEDURES IN 80'-0" AND 40'-0" L X 25'-0" W X 12'-1-3/4" H ARCH TYPE MAGAZINES



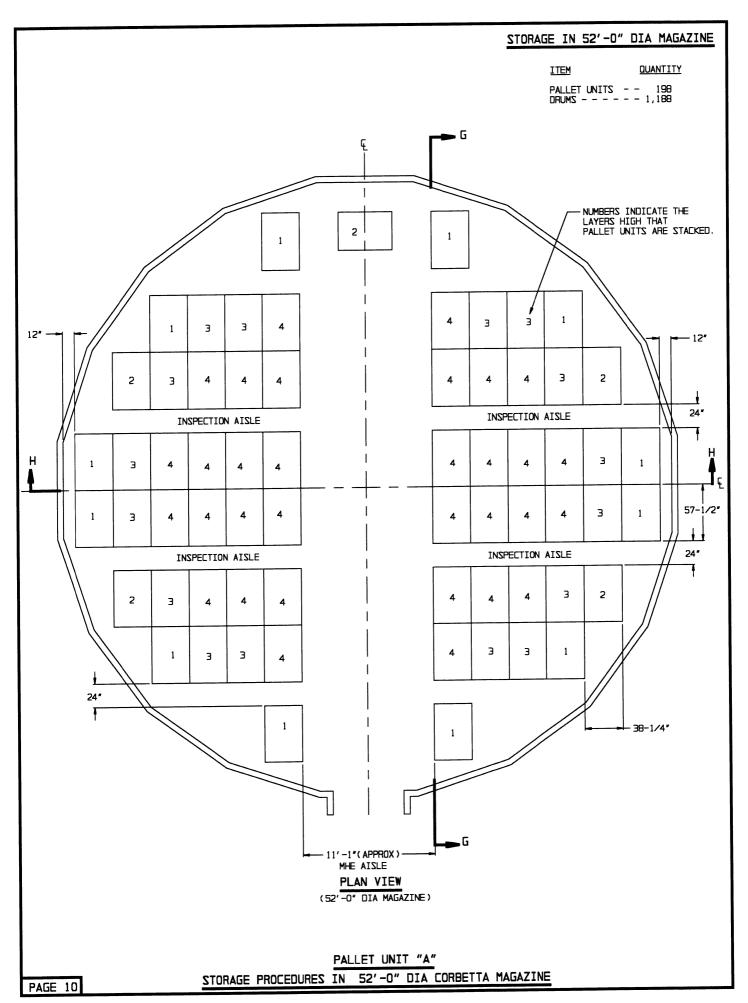


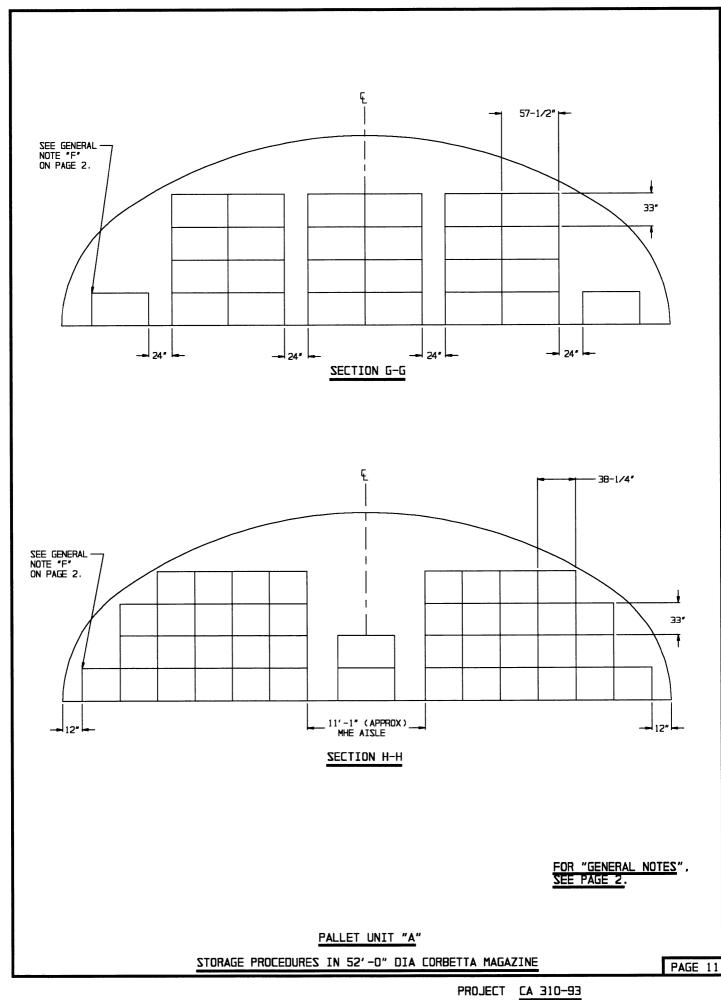


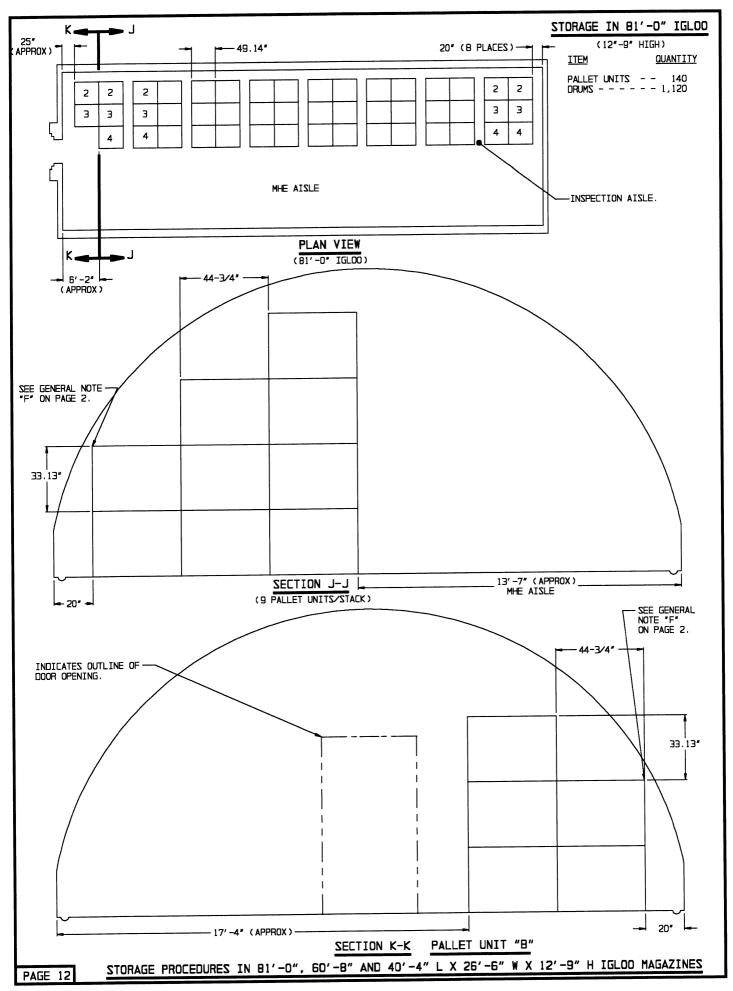
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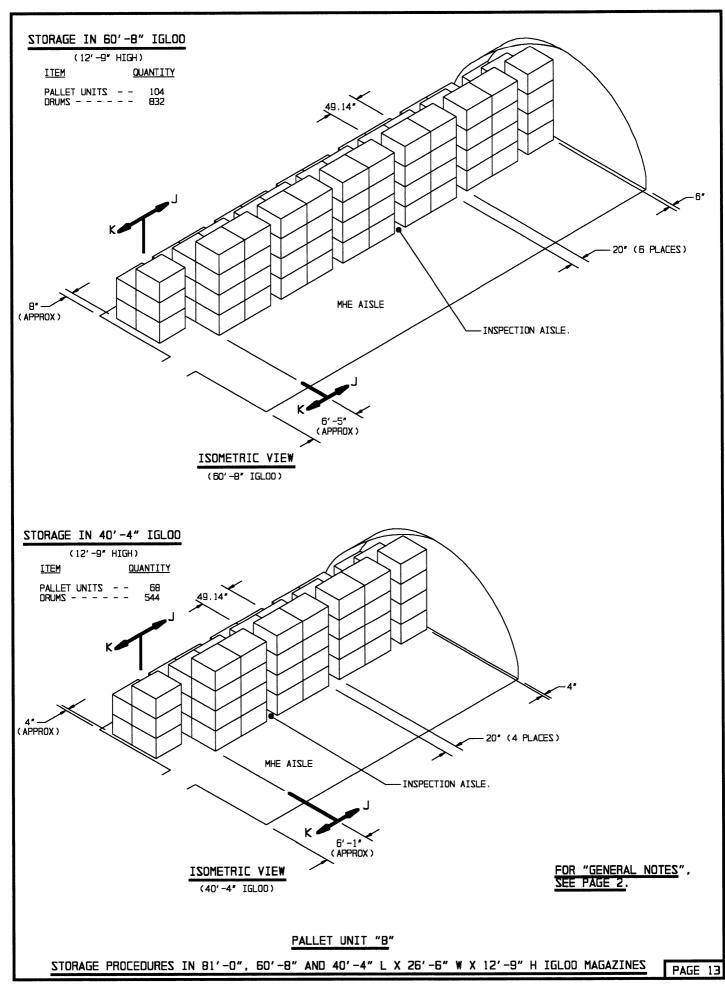
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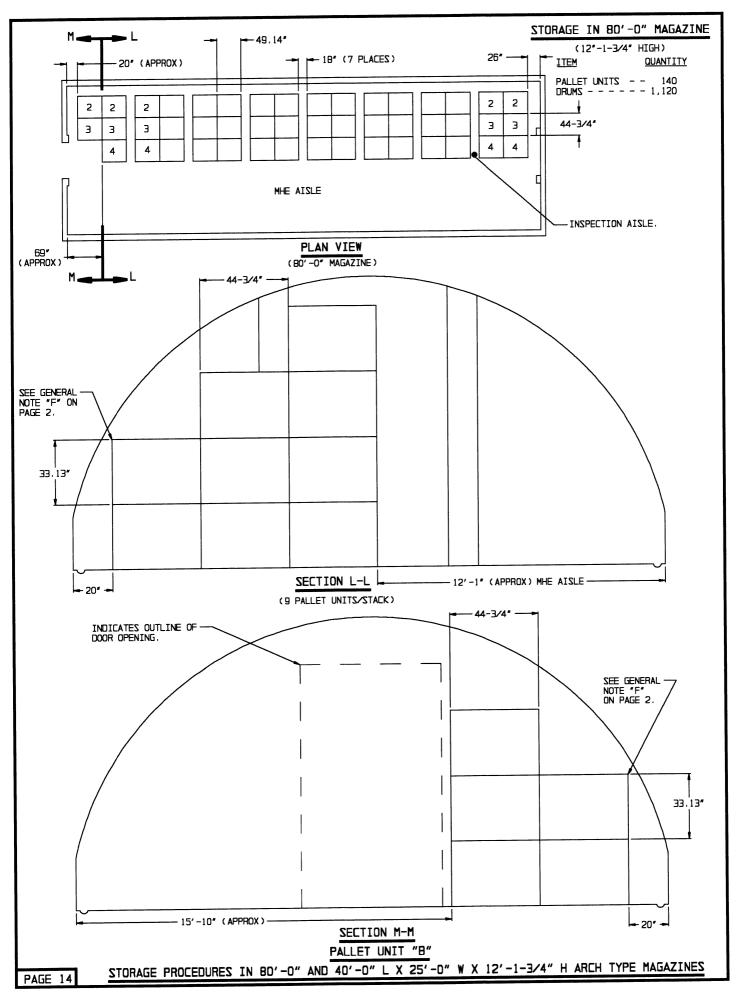
STORAGE PROCEDURES IN 44'-7" DIA CORBETTA MAGAZINE

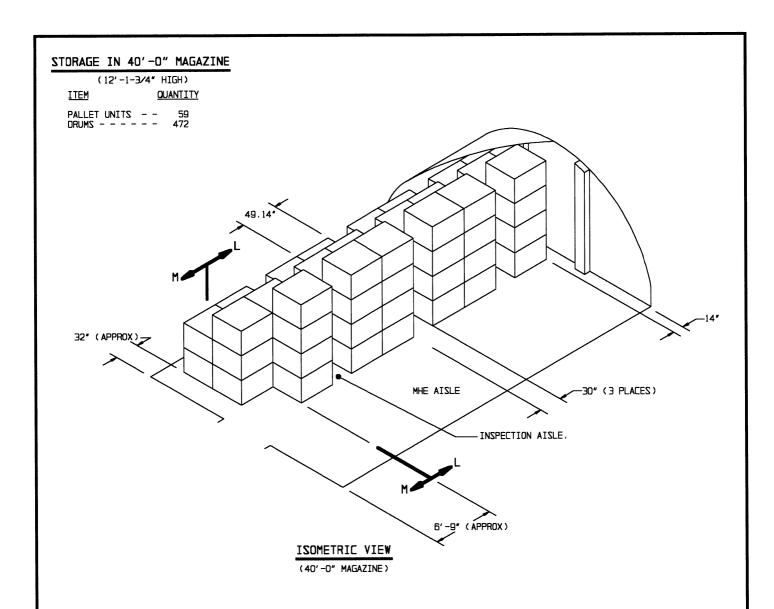










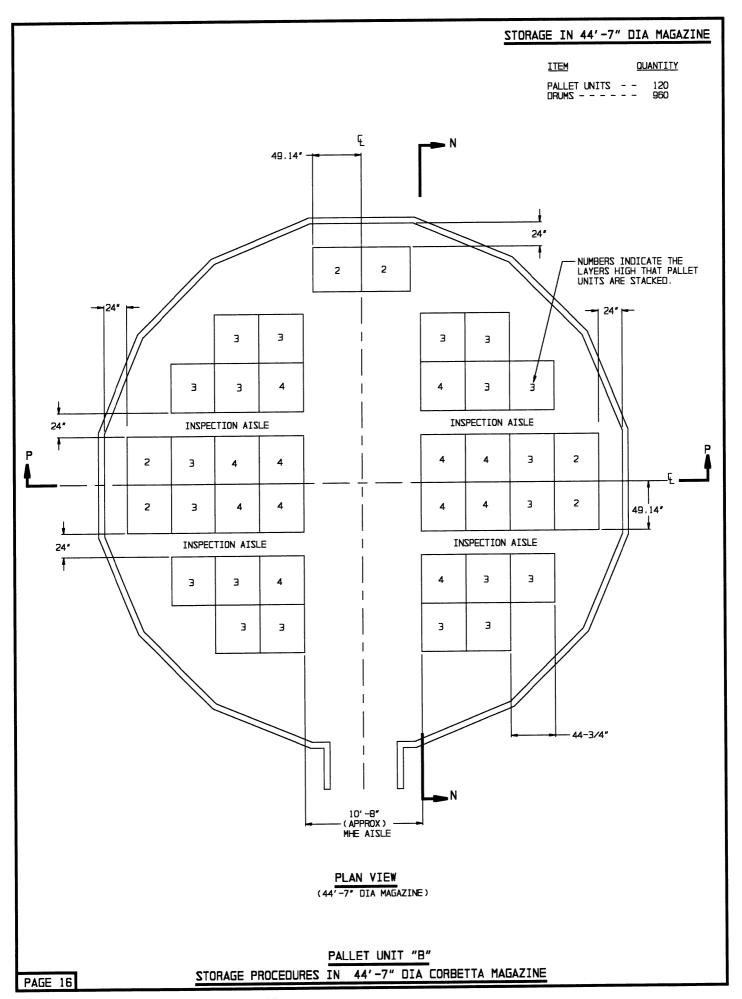


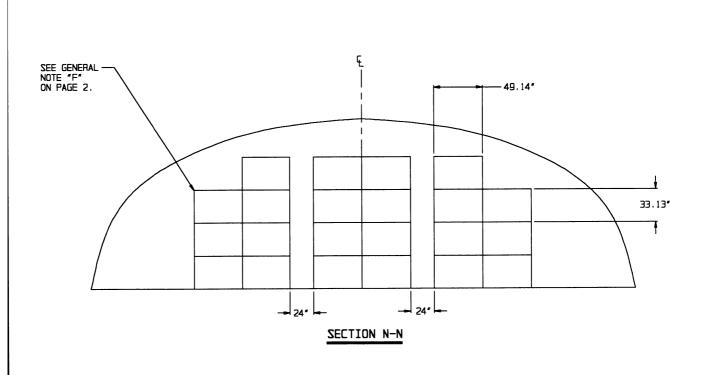
FOR "GENERAL NOTES".
SEE PAGE 2.

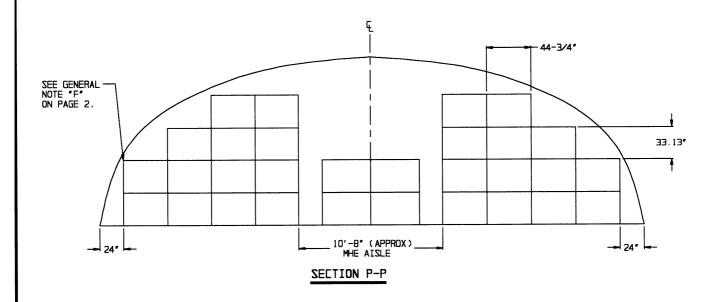
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PALLET UNIT "B"

STORAGE PROCEDURES IN 80'-0" AND 40'-0" L X 25'-0" W X 12'-1-3/4" H ARCH TYPE MAGAZINES







FOR "GENERAL NOTES", SEE PAGE 2.

PALLET UNIT "B"

STORAGE PROCEDURES IN 44'-7" DIA CORBETTA MAGAZINE

