# STORAGE IN APPROVED MAGAZINES OF HARPOON GUIDED MISSILE, RGM-84A-1 (ASROC), PACKED 1 PER MK608 MOD O SHIPPING AND STORAGE CONTAINER

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U.S. ARMY MATERIEL COMMAND DRAWING					
APPROVED, U.S. ARMY INDUSTRIAL OPERATIONS COMMAND	DRAFTSMA	7N	D. WHITMORE		
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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 HEREIN ARE APPLICABLE TO THE HARPOON GUIDED MISSILE, RGM-84A-1 (ASRDC) PACKED 1 PER MK608 MOD 0 CONTAINER. SUBSEQUENT REFERENCE TO CONTAINER MEANS THE MK608 CONTAINER WITH CONTENTS. FOR DETAILS OF THE CONTAINER SEE NAVSEA SYSTEMS COMMAND OR-4/226 AND THE PICTORIAL VIEW ON PAGE 3.

CONTAINER DIMENSIONS - - 206.75" L X 28.5" W X 31.5" H STACKING HEIGHT - - - - 30" GROSS WEIGHT - - - - - 2,500 POUNDS (APPROX) CUBE - - - - - - - - - 105.8 CUBIC FEET (APPROX)

CAUTION: THIS ITEM IS IN A "PROPULSIVE STATE" AND MUST BE STORED WITH THE FORWARD END FACING TOWARD A SIDEWALL OR THE REAR WALL AS INDICATED BY THE DIRECTIONAL ARROWS ON THE STORAGE VIEWS. ADDITIONALLY CONTAINERS MUST NOT BE STACKED MORE THAN FOUR (4) CONTAINERS HIGH.

- C. 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.
- D. <u>CAUTION</u>: 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.
- E. STORED CONTAINERS MUST NOT CONTACT THE WALLS OF A MAGAZINE. THEREFORE, CONTAINERS WILL BE STORED A MINIMUM OF SIX INCHES (6") FROM THE SIDEWALL OR CURVATURE OF THE MAGAZINE AS APPLICABLE. TO PROVIDE FOR THIS MANDATORY CLEARANCE REQUIREMENT, CONTAINERS MAY BE ELIMINATED FROM THE DEPICTED STORAGE PATTERN AS NFCFSSARY.
- F. AISLE DIMENSIONS SHOWN FOR STORAGE PROCEDURES IN MAGAZINES MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS, AND/OR AVAILABLE MATERIALS HANDLING EGUIPMENT (MHE). HOWEVER, A 24" MINIMUM AISLE MUST BE MAINTAINED AT THE AFT END OF EACH CONTAINER FOR INSPECTION OF THE HUMIDITY INDICATOR. THE STORAGE CONFIGURATIONS HEREIN ALSO PROVIDE FOR ACCESS TO DESICCANT BASKETS AT FORWARD END OF CONTAINERS.
- G. THE MAXIMUM FLOOR LOAD FOR A MAGAZINE AS PRESCRIBED BY LOCAL STANDARDS WILL NOT BE EXCEEDED.
- H. IF AVAILABLE MHE PERMITS, ADDITIONAL CONTAINERS MAY BE STORED WITHIN THE MHE AREA AND/OR OTHER AVAILABLE AREA OF THE MAGAZINE.
- J. 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 STORAGE 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 CAPICITY WILL BE USED WHEN
  LIFTING TWO CONTAINERS AS ONE LIFT.

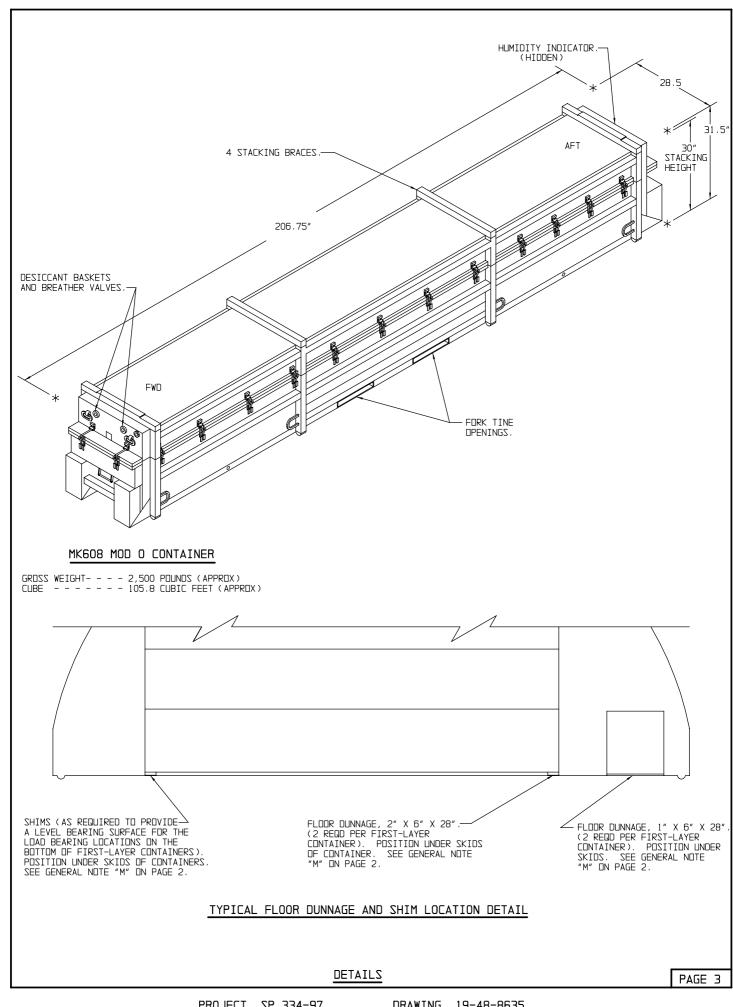
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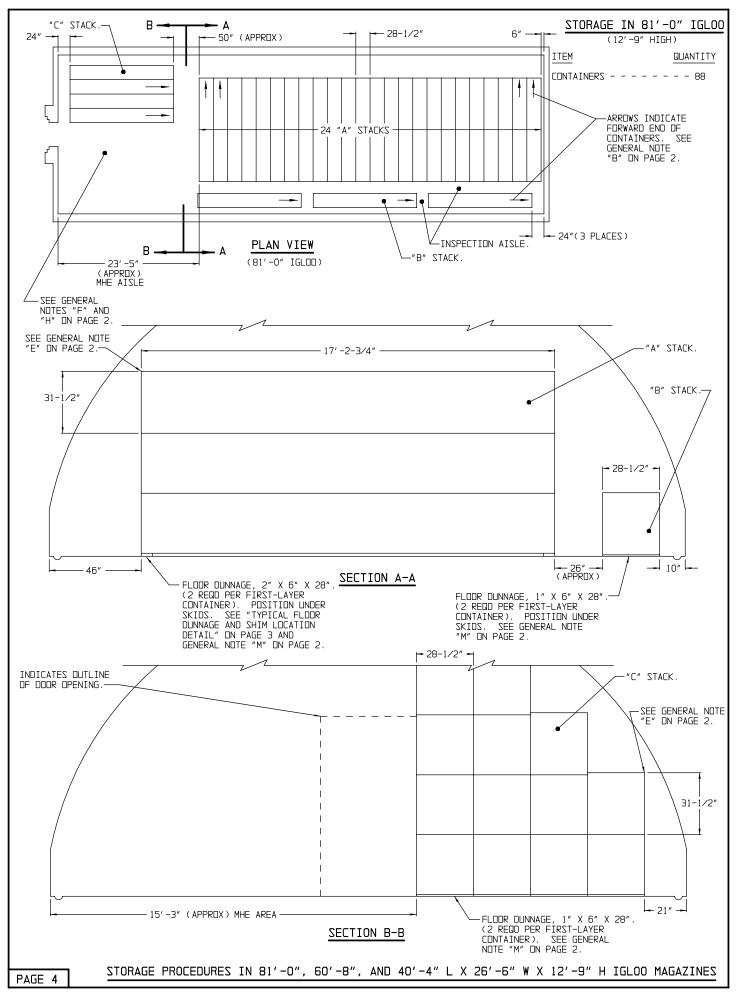
## MATERIAL SPECIFICATIONS

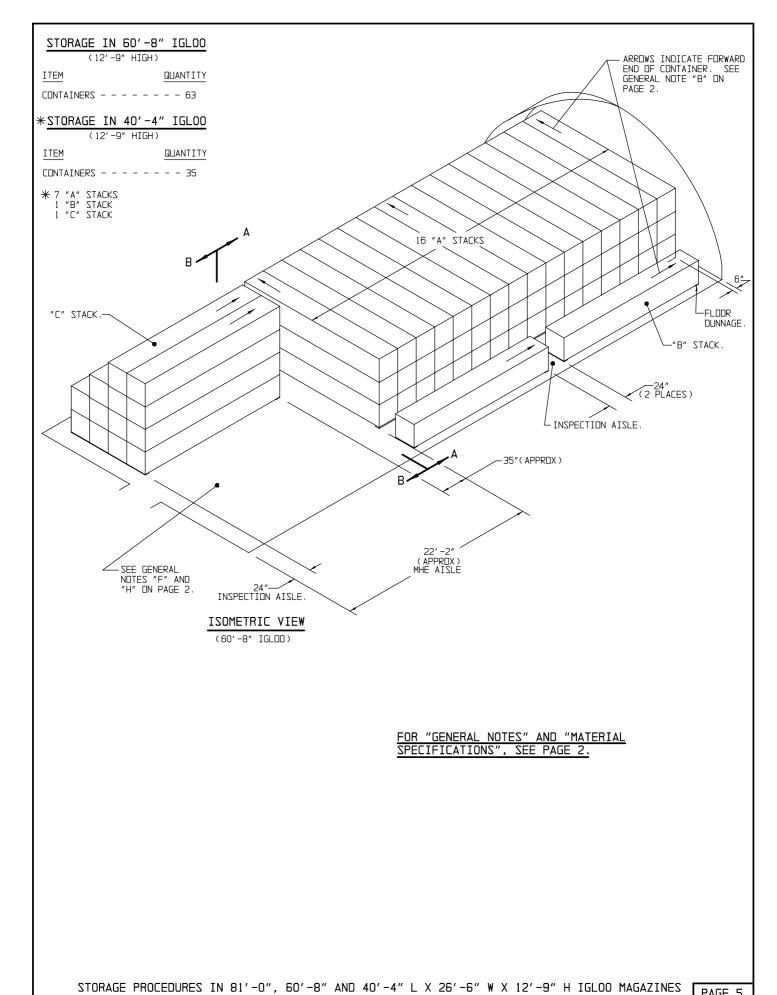
LUMBER - - - SEE TM 743-200-1, (DUNNAGE LUMBER) AND FED SPEC MM-L-751.

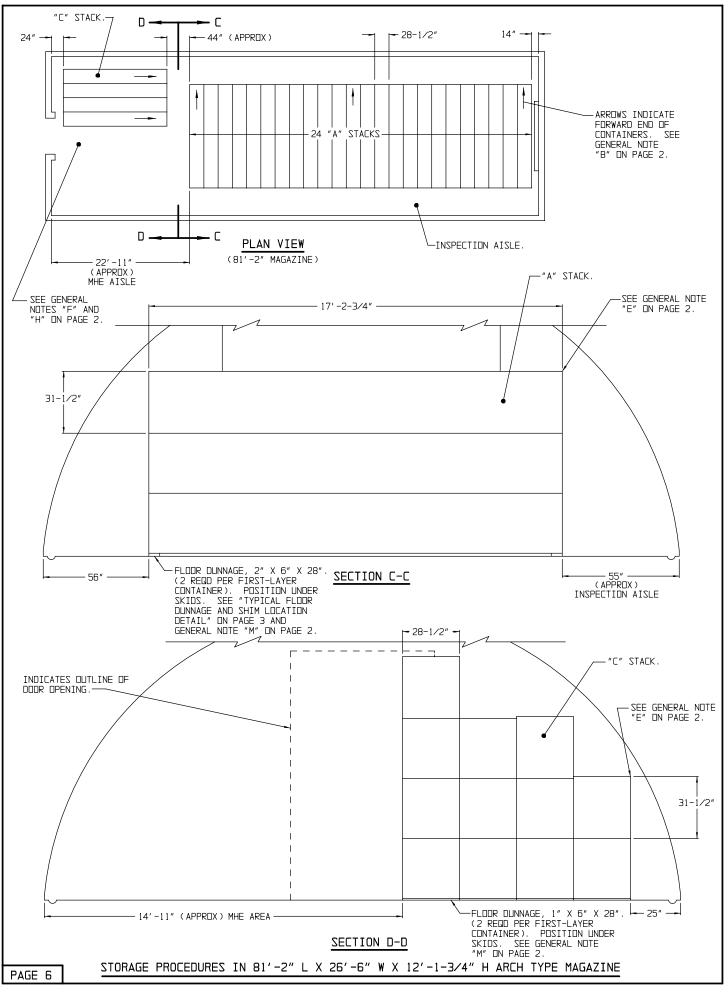
#### (GENERAL NOTES CONTINUED)

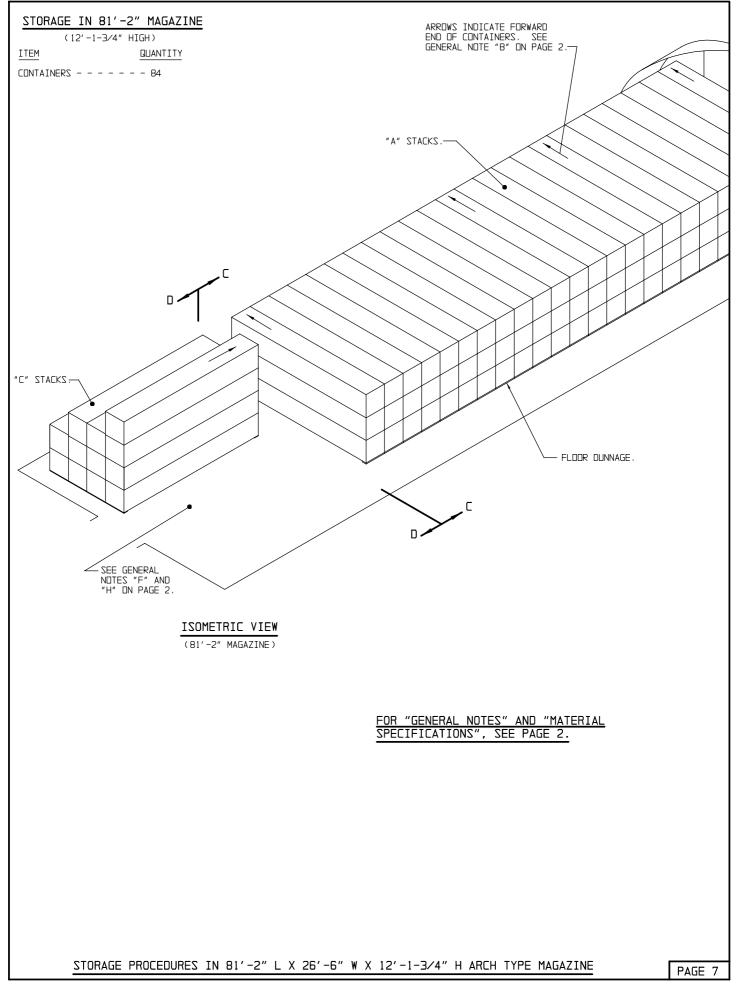
- K. IF THE QUANTITY OF CONTAINERS FOR A MAGAZINE IS TO BE REDUCED FROM WHAT IS SHOWN HEREIN DUE TO THE PERMITTED "EXPLOSIVE LIMIT" OR FOR ANY OTHER REASON, SUCH AS A LIMITED QUANTITY TO BE STORED, THE DELINEATED PROCEDURES ARE TO BE ADJUSTED BY OMITTING STACKS RATHER THAN BY OMITTING LAYERS.
- L. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND RODES, HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- M. THE USE OF NOMINAL SIZE 1" X 6" X 28" OR 2" X 6" X 28"
  FLOOR DUNNAGE UNDER EACH END OF EACH FIRST-LAYER
  CONTAINER IS OPTIONAL, ALTHOUGH THE USE OF THIS TYPE
  OF DUNNAGE IS DELINEATED WITHIN THIS STORAGE PROCEDURE
  DRAWING. THE PURPOSE OF FLOOR DUNNAGE IS TO HELP KEEP
  THE RUNNERS OF A CONTAINER DRY, THUS AIDING IN
  PREVENTING DETERIORATION DUE TO CORROSION. THEREFORE,
  FLOOR DUNNAGE SHOULD BE USED WHEN STORING IN A MAGAZINE
  THAT IS KNOWN TO HAVE A "DAMP" FLOOR. IN IGLOO, ARCH
  TYPE AND STRADLEY MAGAZINES WHICH HAVE FLOORS SLOPING
  TOWARD THE SIDE WALLS, THE DEPICTED STORAGE PATTERNS
  INCLUDE CONTAINER-STACKS WHICH STRADDLE THE RIDGE OF THE
  FLOOR AT THE CENTER OF THE MAGAZINE. IT WILL BE
  NECESSARY, THEREFORE, TO USE 2" THICK MATERIAL FOR FLOOR
  DUNNAGE UNDER THESE STACKS TO PREVENT THE BOTTOM OF THE
  FORK TINE POCKETS FROM CONTACTING THE CONCRETE FLOOR.
  STACK STABILIZING DUNNAGE IN THE FORM OF SHIMS WILL BE
  USED IF REQUIRED TO ACHIEVE SOUND AND ACCEPTABLE STABLE
  STACKS FROM THE FLOOR TO THE TOP OF THE STACK. SHIM
  MATERIAL DE VARYING THICKNESSES OR THICKER FLOOR DUNNAGE
  WILL BE USED AS REQUIRED UNDER THE LOAD BEARING
  LOCATIONS AT THE ENDS OF FIRST-LAYER CONTAINERS. SEE
  THE "FLOOR DUNNAGE AND SHIM LOCATION DETAIL" ON PAGE 3
  FOR
- N. DTHER COMPATIBLE ITEMS MAY BE STORED IN A MAGAZINE WHICH IS PARTIALLY FILLED WITH THE DESIGNATED ITEM.

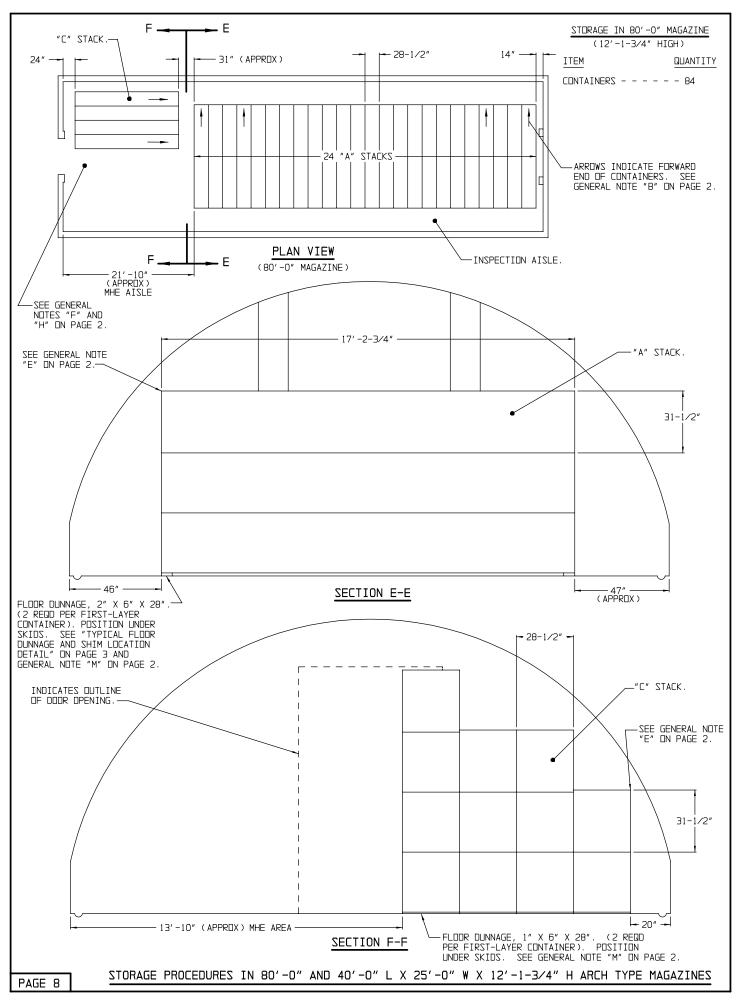


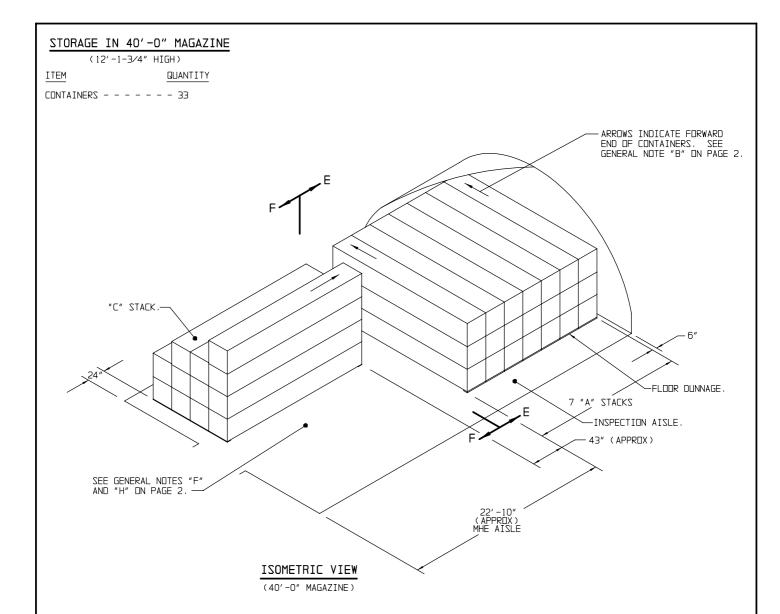






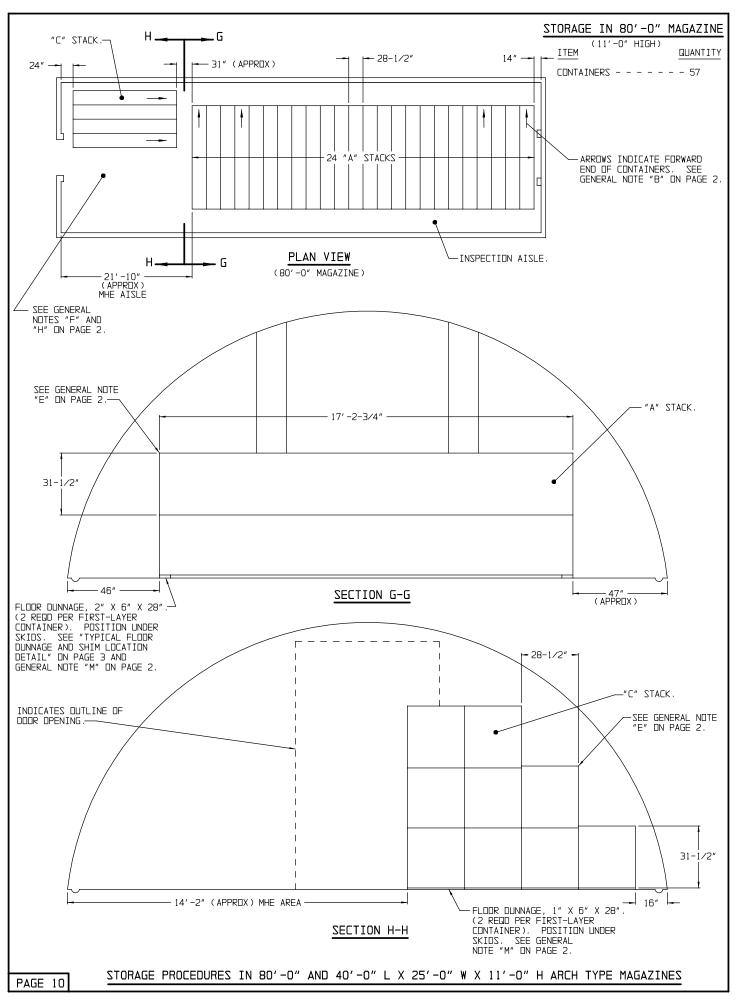


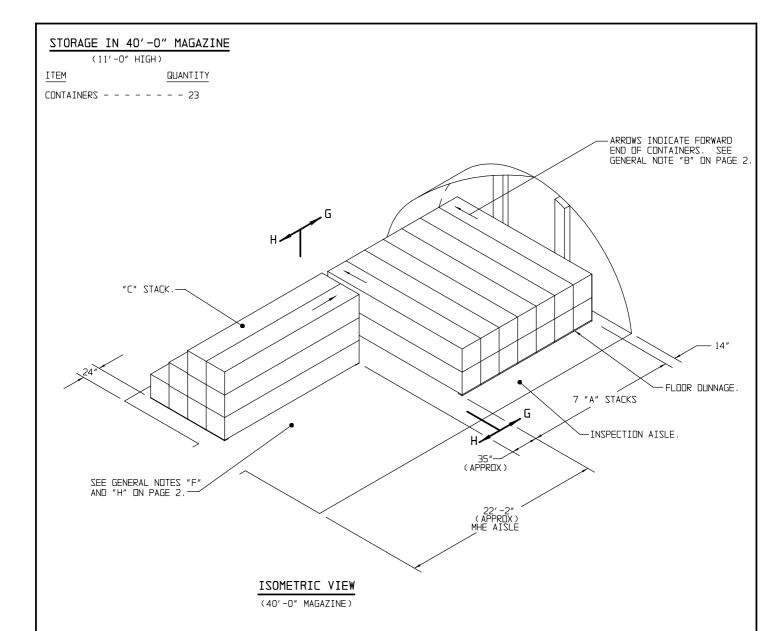




FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.

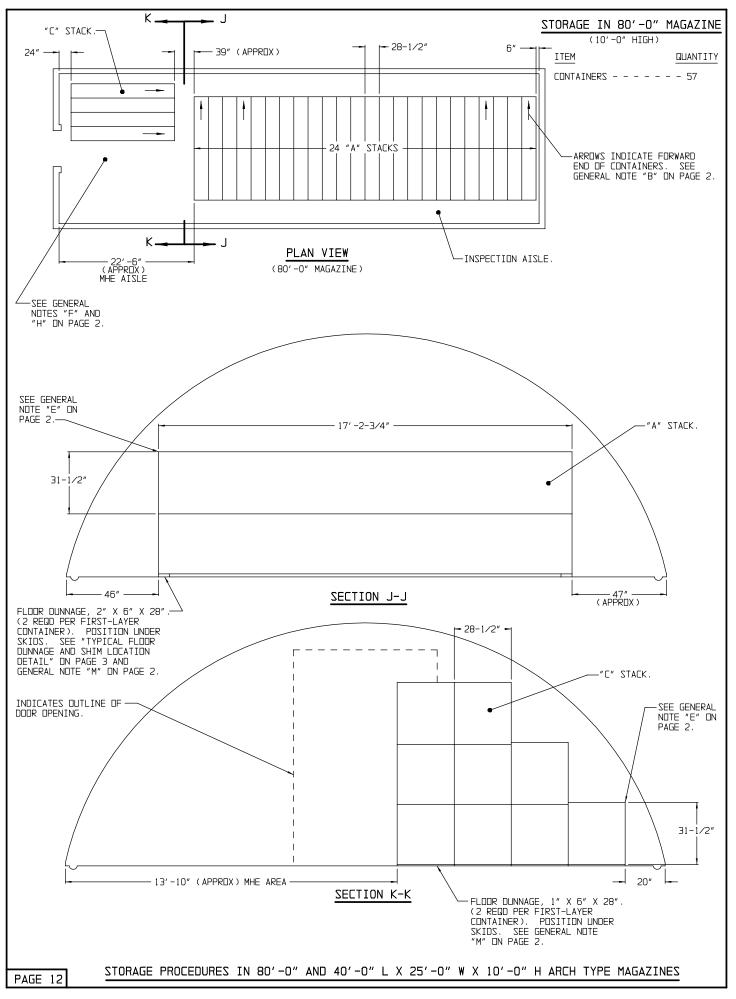
STORAGE PROCEDURES IN 80'-0" AND 40'-0" L X 25'-0" W X 12'-1-3/4" H ARCH TYPE MAGAZINES

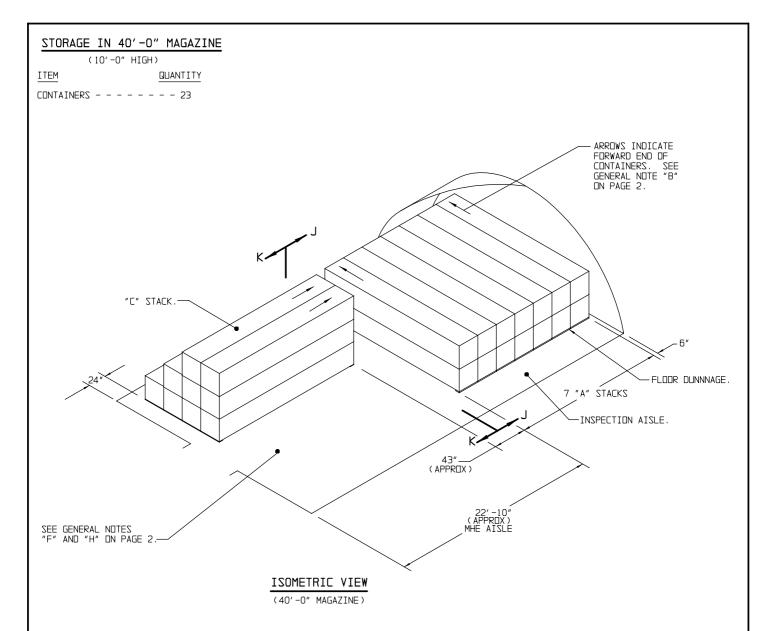




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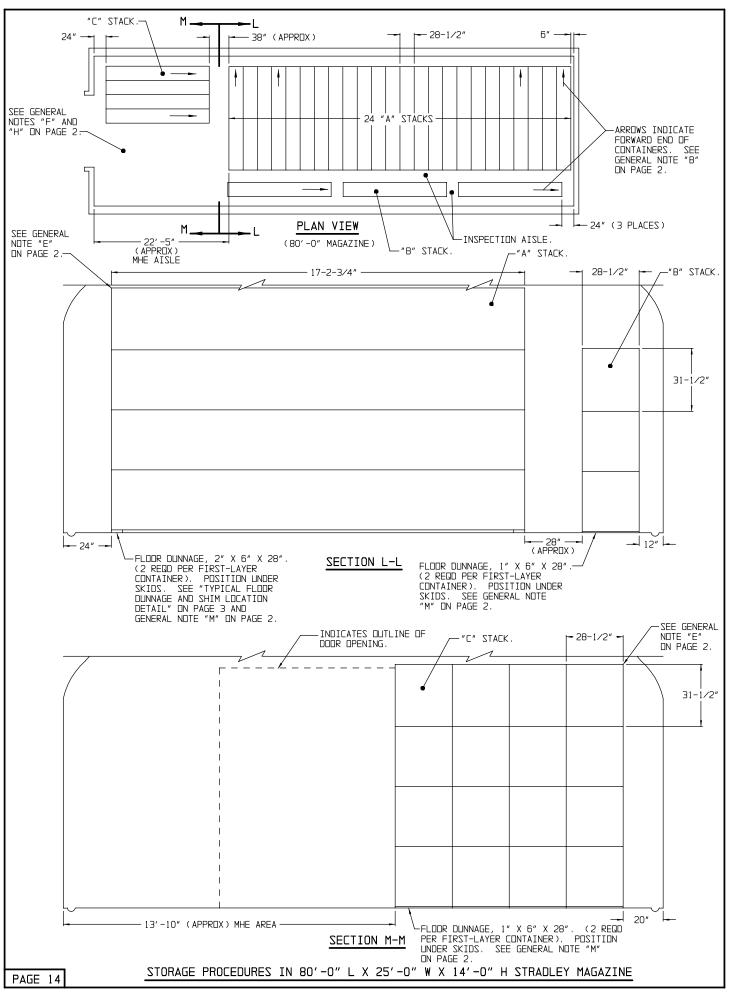
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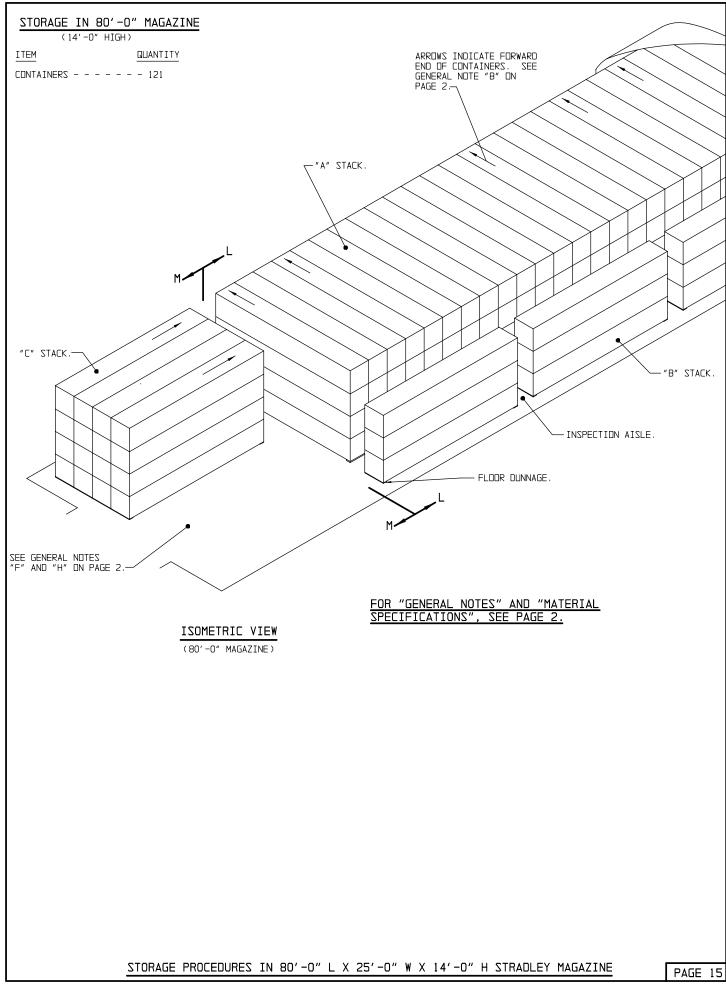


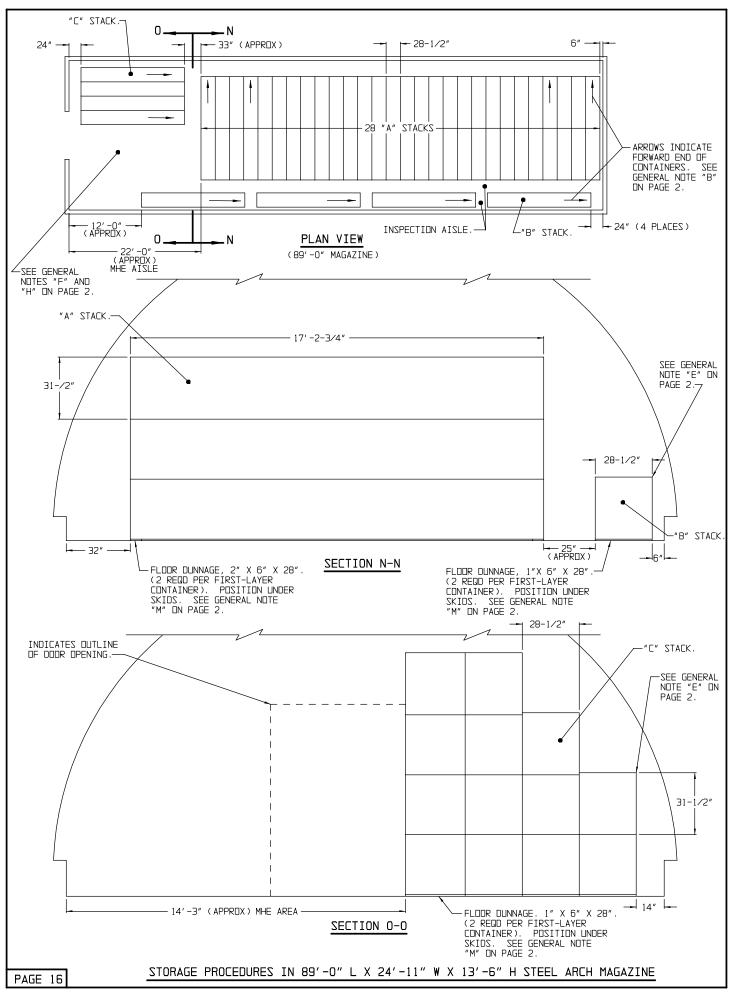


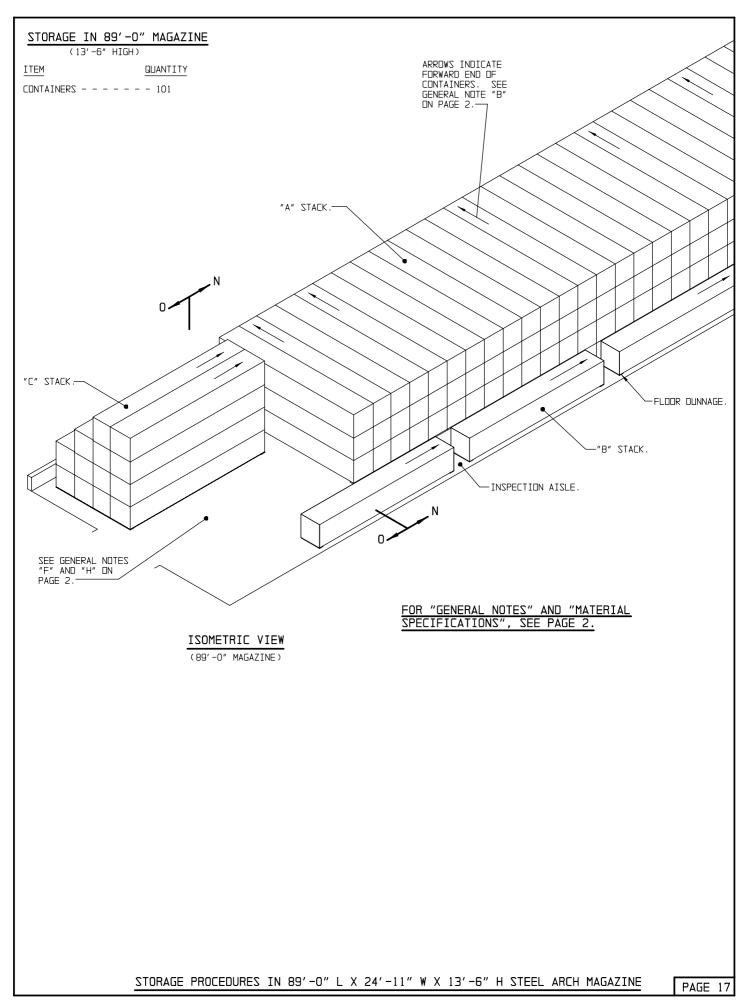
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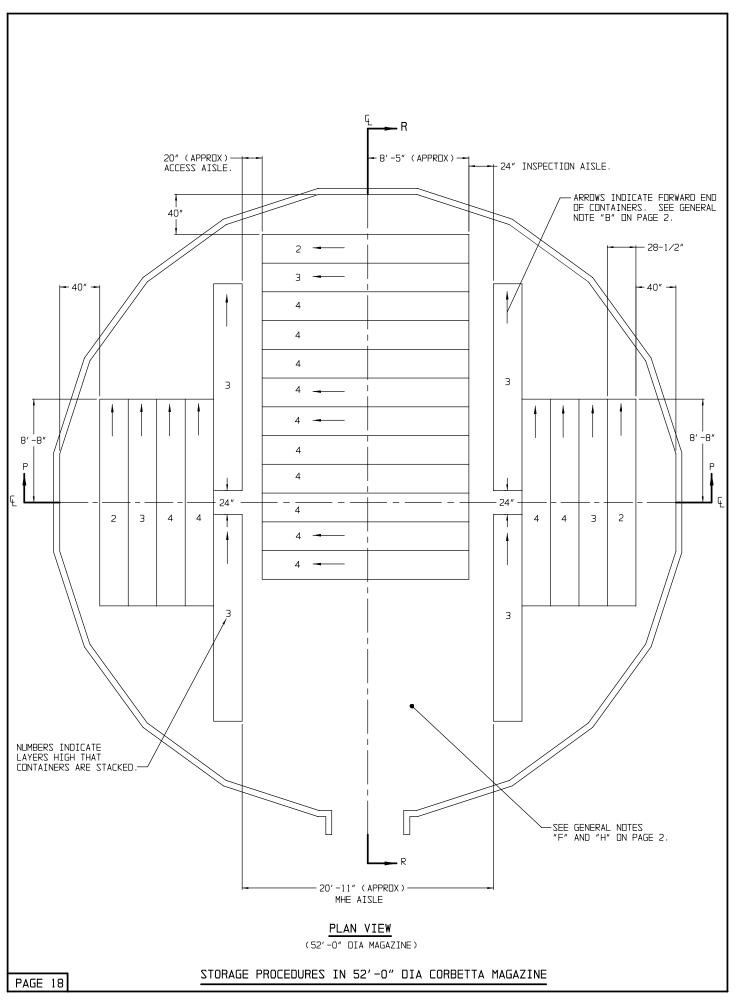
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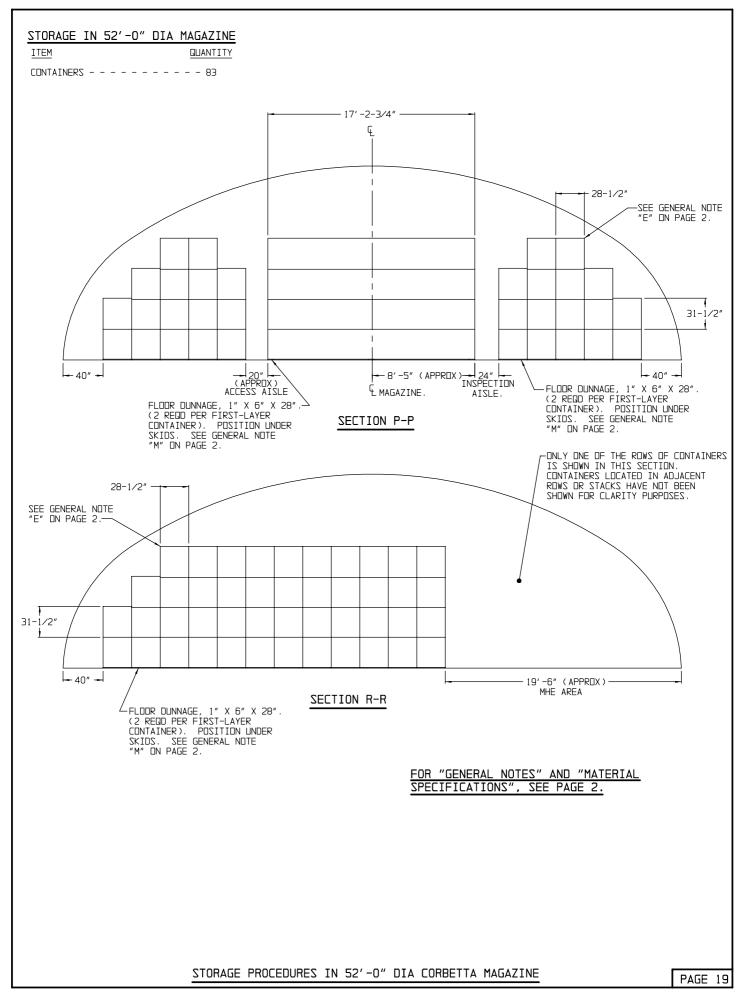


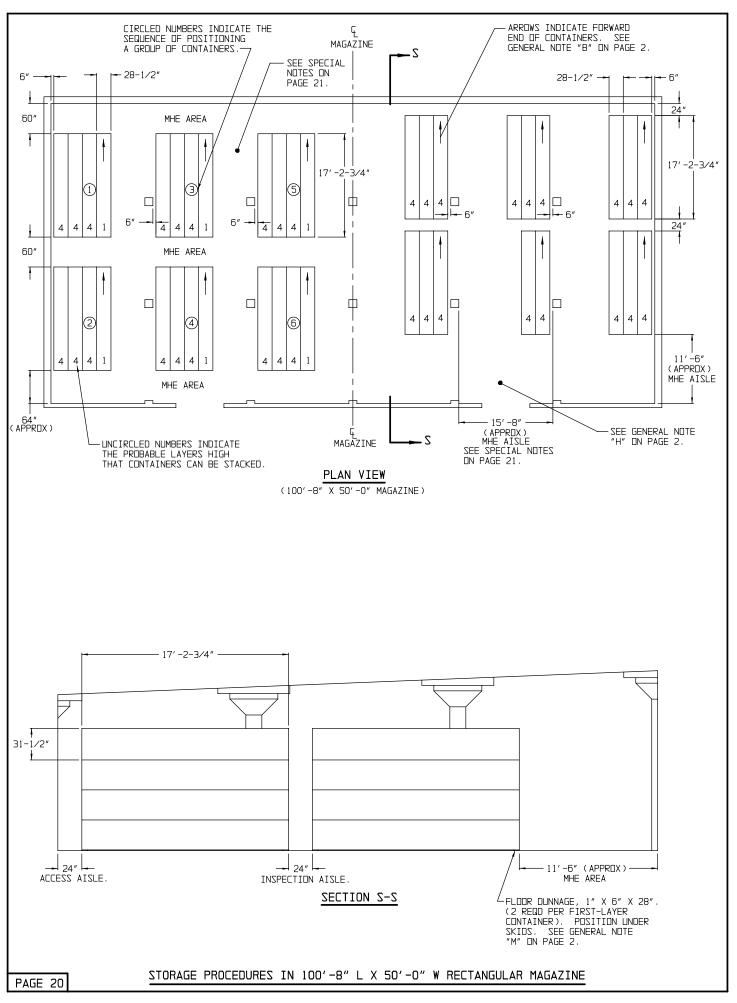


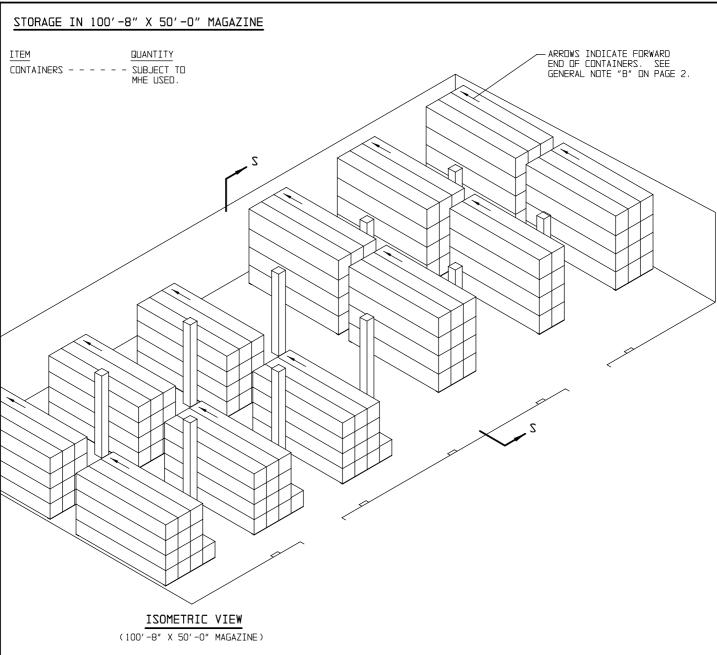












### SPECIAL NOTES:

- 1. DUE TO THE LENGTH OF THE CONTAINER AND THE LOCATION OF THE COLUMNS IN THE MAGAZINE, THE PLAN VIEW DEPICTS TWO TYPES OF STORAGE PATTERNS WHICH CAN BE ACCOMPLISHED DEPENDING ON AVAILABLE MHE.
- 2. THE RIGHT HALF OF THE MAGAZINE DEPICTS 4 CONTAINER HIGH STACKS WHICH CAN BE ACCOMPLISHED BY USE OF A FRONT/SIDE LOADER FORKLIFT TRUCK. THE FORKLIFT TRUCK MUST BE CAPABLE OF SIDE HANDLING A 17'-2-3/4" LONG CONTAINER; MUST HAVE ADEGUATE CAPACITY FOR LIFTING A CONTAINER TO THE VARIOUS HEIGHTS FOR STACKING; AND MUST HAVE THE CAPABILITY FOR MANEUVERING AROUND THE COLUMNS FOR PLACEMENT IN THE STACK. AN ADDITIONAL STACK CAN BE STORED AT ANY OF THE LOCATIONS SHOWN IF MHE PERMITS.
- 3. THE LEFT HALF OF THE MAGAZINE DEPICTS 4 CONTAINERS HIGH
  AND 1 CONTAINER HIGH STACKS WHICH CAN BE ACCOMPLISHED BY
  END-HANDLING A CONTAINER WITH 2 PALLET JACKS AND PLACING
  IT IN A STORAGE LOCATION. STACKING CONTAINERS UP TO 4 LAYERS
  HIGH CAN THEN BE ACCOMPLISHED BY USE OF A CONVENTIONAL FRONT
  LOADER FORKLIFT TRUCK. STACKS HAVE BEEN POSITIONED TO PROVIDE
  ADEQUATE SPACE FOR REMOVAL OF THE PALLET JACKS AND ALSO PROVIDE
  ACCESS FOR STACKING BY FORKLIFT TRUCK.
- 4. ALL REQUIREMENTS OF GENERAL NOTES "B", "D", "E" AND "F" ON PAGE 2 MUST BE COMPLIED WITH.

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

STORAGE PROCEDURES IN 100'-8" L X 50'-0" W RECTANGULAR MAGAZINE

