# STORAGE IN APPROVED MAGAZINES OF BLU-113A/B PENETRATOR BOMB PACKED IN CNU-554/E SHIPPING AND STORAGE CONTAINER

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| U.S. ARMY MATERIEL COMMAND DRAWING   |   |                     |         |                       |  |  |
|--|---|---------------------|---------|-----------------------|--|--|
| APPROVED, U.S. ARMY INDUSTRIAL OPERATIONS COMMAND  | DRAFTSMAN D. WHITMORE                               |                     |         |                       |  |  |
| David a Lakouk   | ENGINEER  | ENGINEER M. DAEUMER |         |                       |  |  |
| AMSTA-AR-ESK   | SUPPLY ENGINEERING The Muchil                       |                     |         |                       |  |  |
| APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND  The state of t | LOGISTICS ENGINEERING William FErnst SEPTEMBER 1996 |                     |         |                       |  |  |
| Sary v. Sweye  |   |                     |         |                       |  |  |
| U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL   | CLASS   | DIVISION            | DRAWING | FILE                  |  |  |
|  | 19  | 48                  | 8633    | SP 1-3-4-14<br>-22J32 |  |  |

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-113A/B PENETRATOR BOMB PACKED IN CNU-554/E SHIPPING AND STORAGE CONTAINER. SUBSEQUENT REFERENCE TO CONTAINER MEANS THE CONTAINER WITH CONTENTS
- C. FOR DETAIL OF THE CNU-554/E CONTAINER SEE THE 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. <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.
- F. AISLE DIMENSIONS AS SHOWN HEREIN MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS, AND/OR AVAILABLE MATERIALS HANDLING EQUIPMENT (MHE). HOWEVER, A 24" MINIMUM INSPECTION AISLE MUST BE MAINTAINED AT BOTH ENDS OF EACH CONTAINER.
- G. IF AVAILABLE MHE PERMITS, ADDITIONAL CONTAINERS MAY BE STORED WITHIN THE FRONTAL AREA AND/OR OTHER AVAILABLE AREA OF THE MAGAZINE. HOWEVER, ACCESS TO ALL INSPECTION AISLES MUST BE MAINTAINED.
- 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. THE USE OF I" X 6" 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 MAGAZINE THAT IS KNOWN TO HAVE A "DAMP" FLOOR. ALSO, IN LIEU OF USING ONE—INCH THICK FLOOR DUNNAGE AS SPECIFIED, THE USE OF THICKER FLOOR DUNNAGE MAY BE REQUIRED, AND SHOULD BE USED, TO ACHIEVE THE DESIRED OBJECTIVE. NOTE: ISOMETRIC VIEWS WITHIN THIS DRAWING DO NOT DEPICT ALL FLOOR DUNNAGE THAT IS REQUIRED WHEN DUNNAGE IS USED. FLOOR DUNNAGE IS SHOWN AT SOME LOCATIONS TO PROVIDE POSITIONING GUIDANCE. HOWEVER, IF FLOOR DUNNAGE IS NOT USED, ALL "A" STACKS STORED IN IGLOO, ARCH TYPE AND STRADLEY MAGAZINES, WHICH HAVE FLOORS THAT SLOPE TOWARD THE SIDEWALLS, WILL REQUIRE USE OF SHIMS TO PERMIT LEVEL STACKING OF CONTAINERS. ADDITIONALLY, IN ALL MAGAZINES, STACK STABILIZING DUNNAGE IN THE FORM OF SHIMS WILL BE USED UNDER STACKS MORE THAN TWO CONTAINERS HIGH TO ACHIEVE SOUND AND ACCEPTABLE STABLE 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.

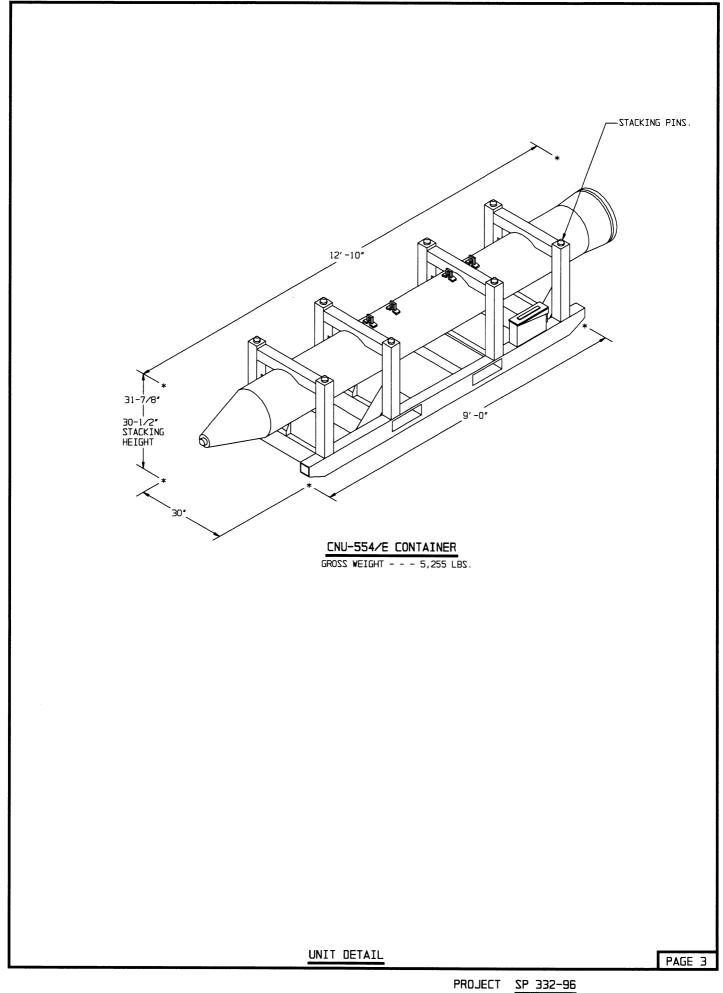
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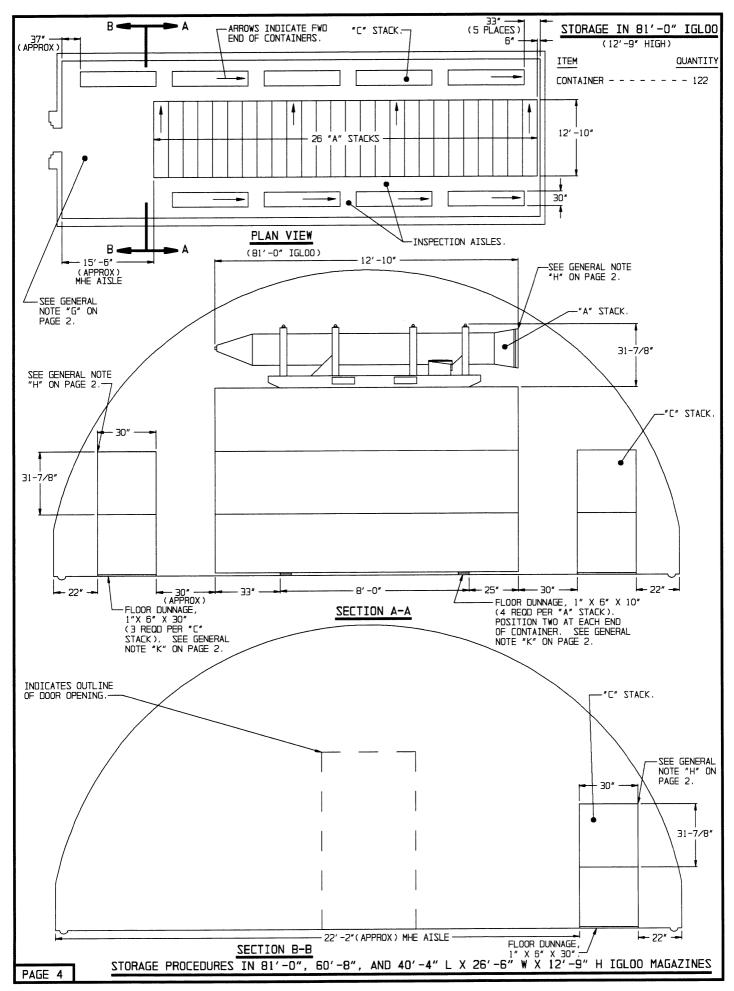
## MATERIAL SPECIFICATIONS

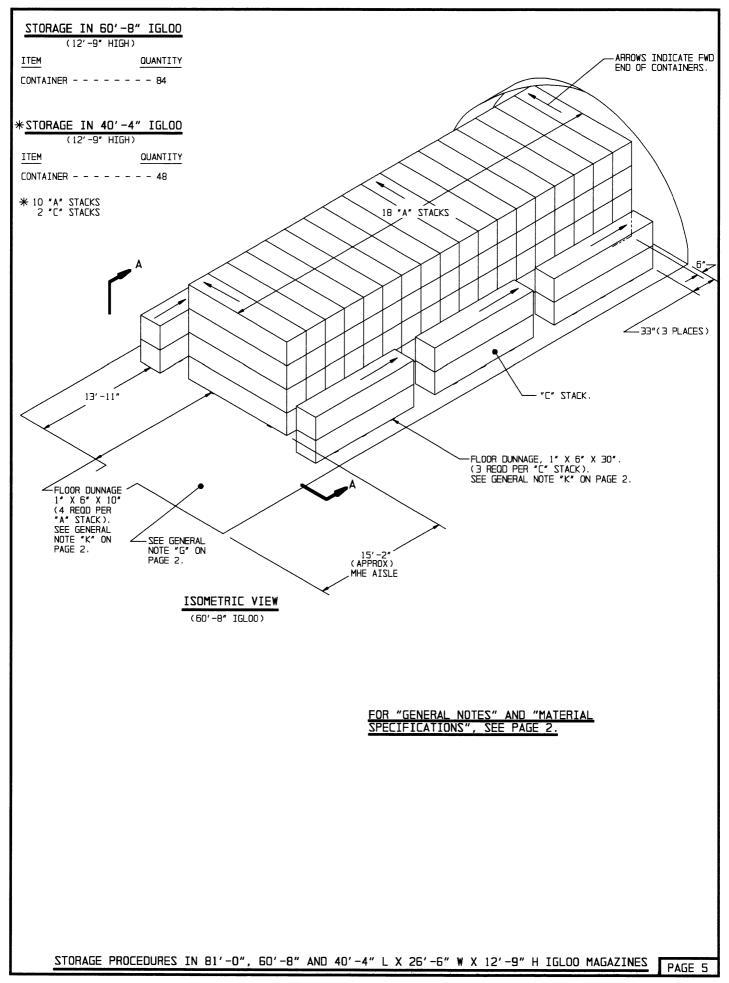
LUMBER - - - SEE TM 743-200-1, (DUNNAGE LUMBER) AND FED SPEC MM-L-751.

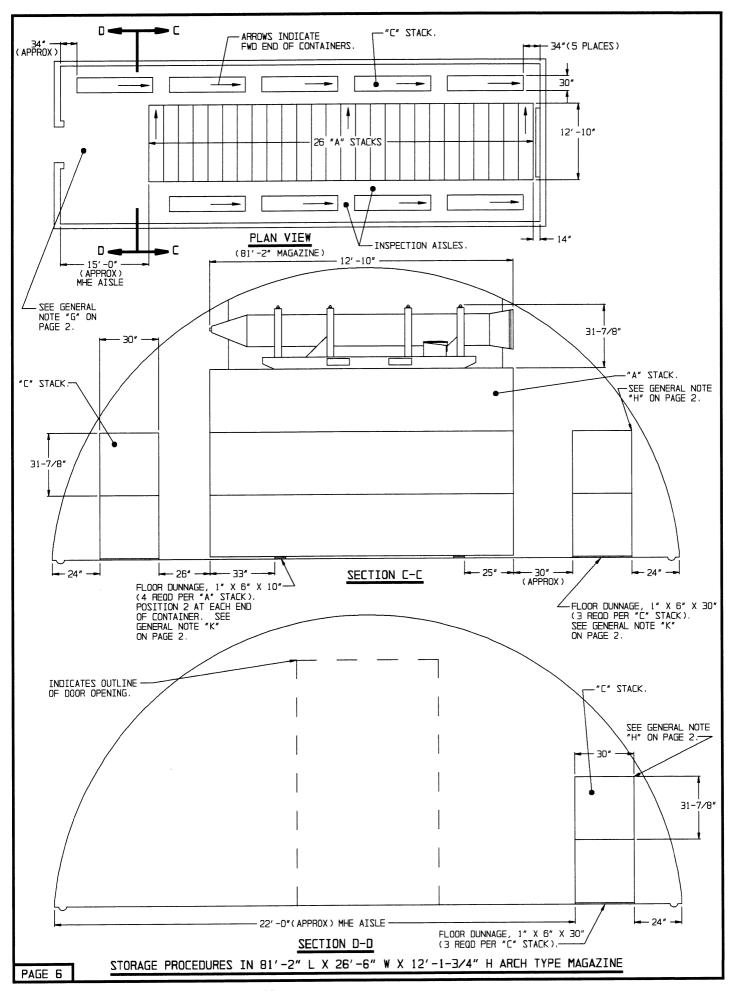
### (GENERAL NOTES CONTINUED)

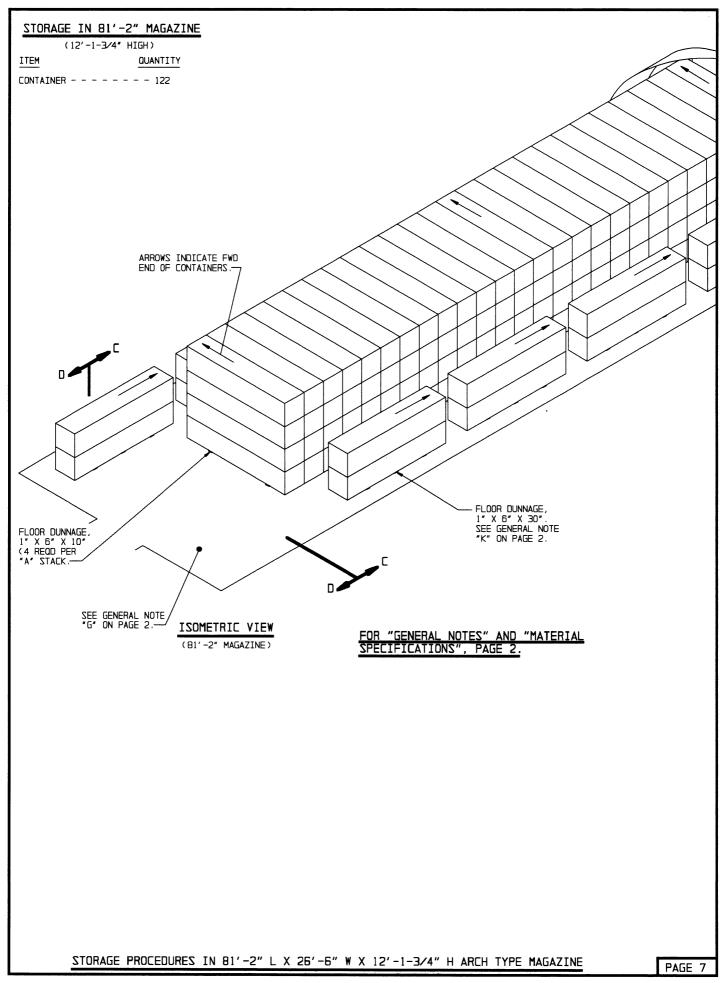
- L. DUNNAGE LUMBER SPECIFIED THROUGHT THIS PROCEDURAL DRAWING IS OF NOMINAL SIZE. FOR EXAMPLE, 1" X 6" MATERIAL IS ACTUALLY 3/4" THICK BY 5-1/2" WIDE.
- M. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS, HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- N. IF THE QUANTITY OF CONTAINERS FOR A MAGAZINE IS TO BE REDUCED FROM WHAT IS SHOWN HEREIN DUE TO THE PERMITTED "EXPLOSIVES LIMIT" OR 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.

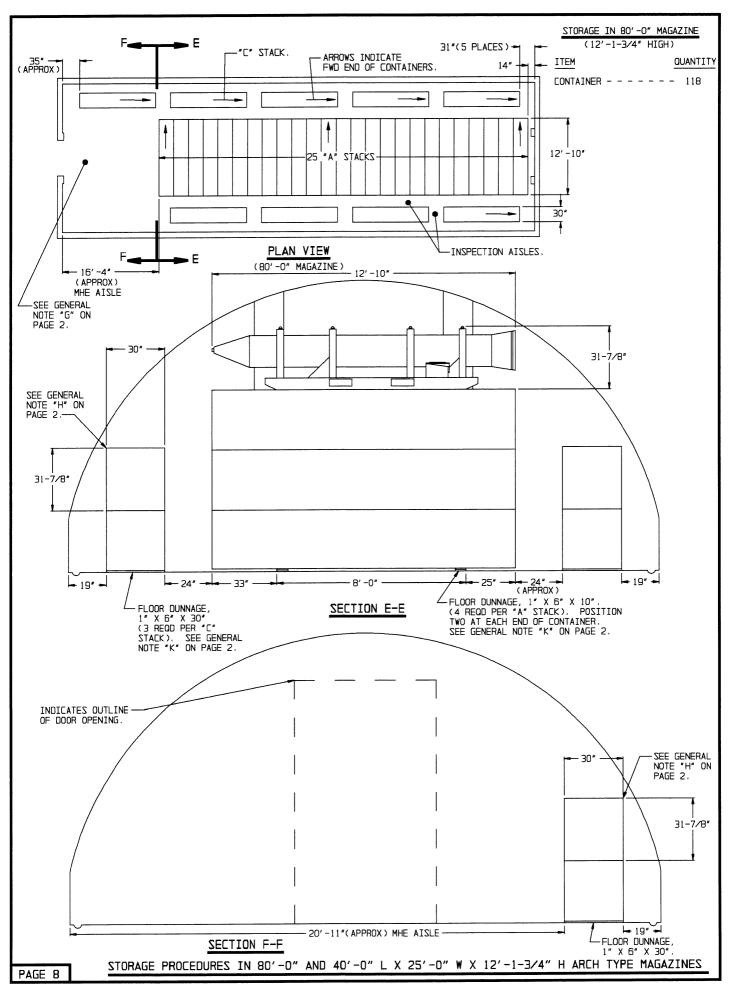


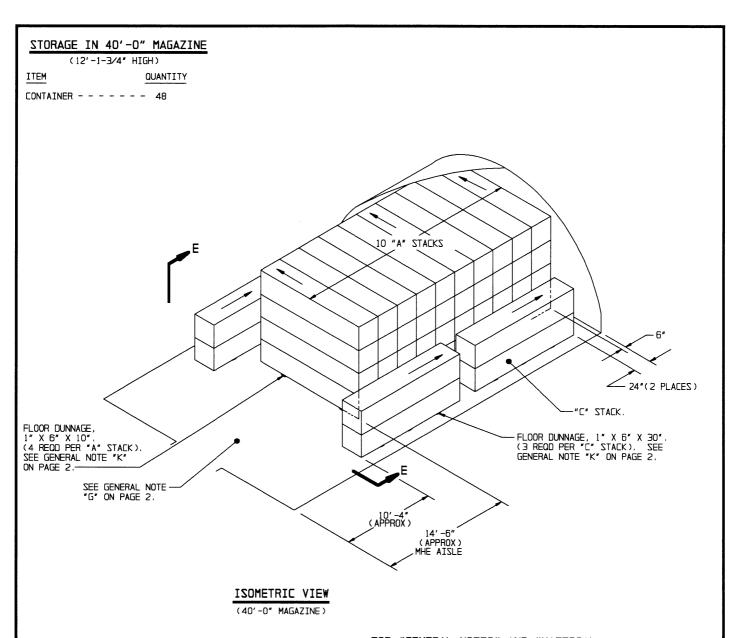




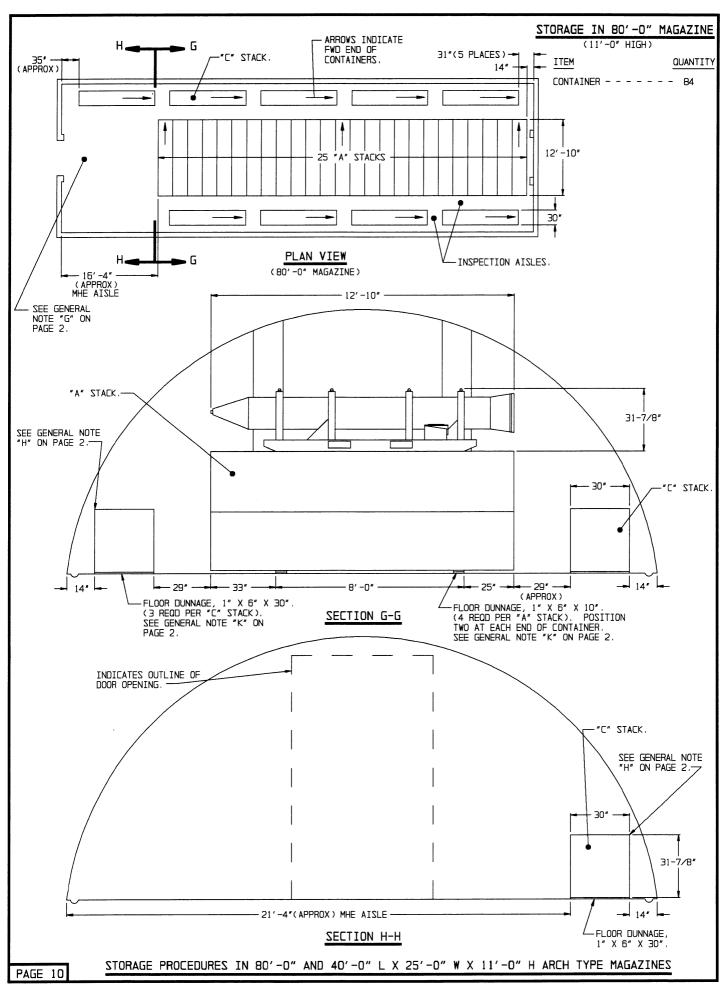


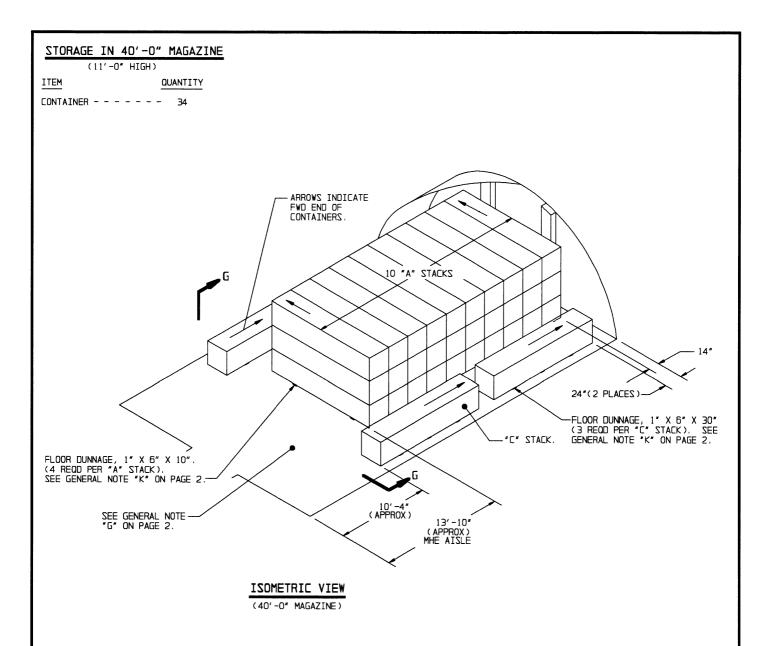






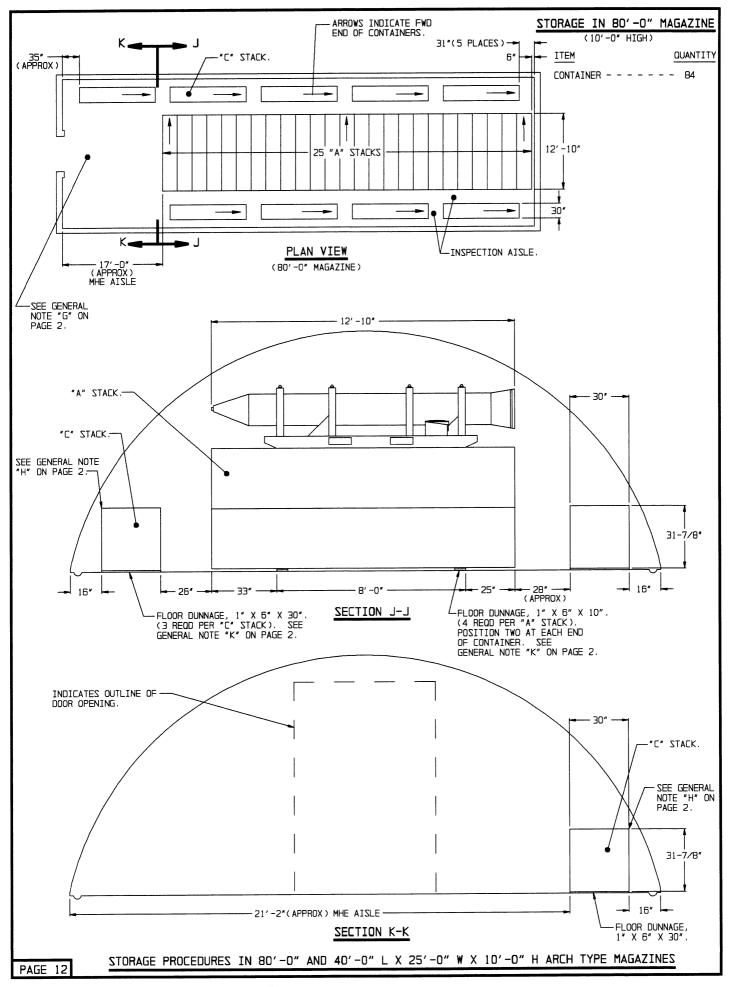
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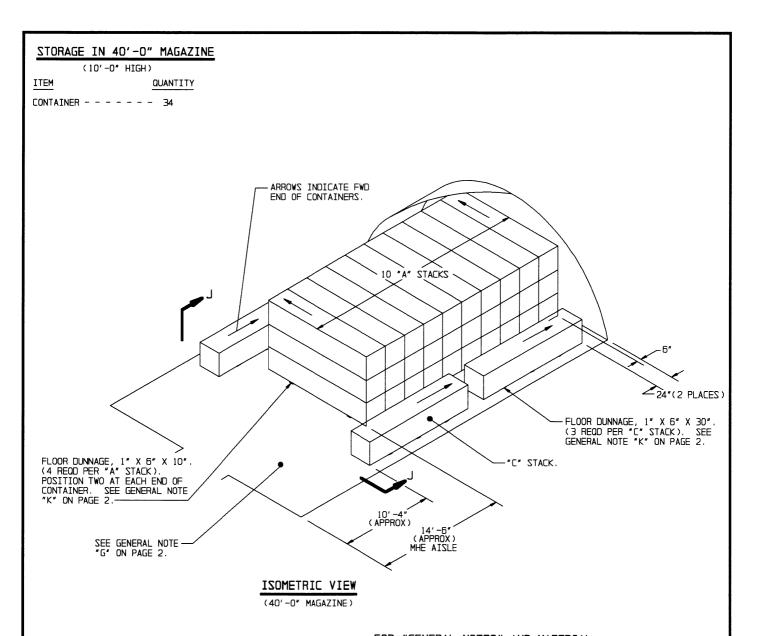




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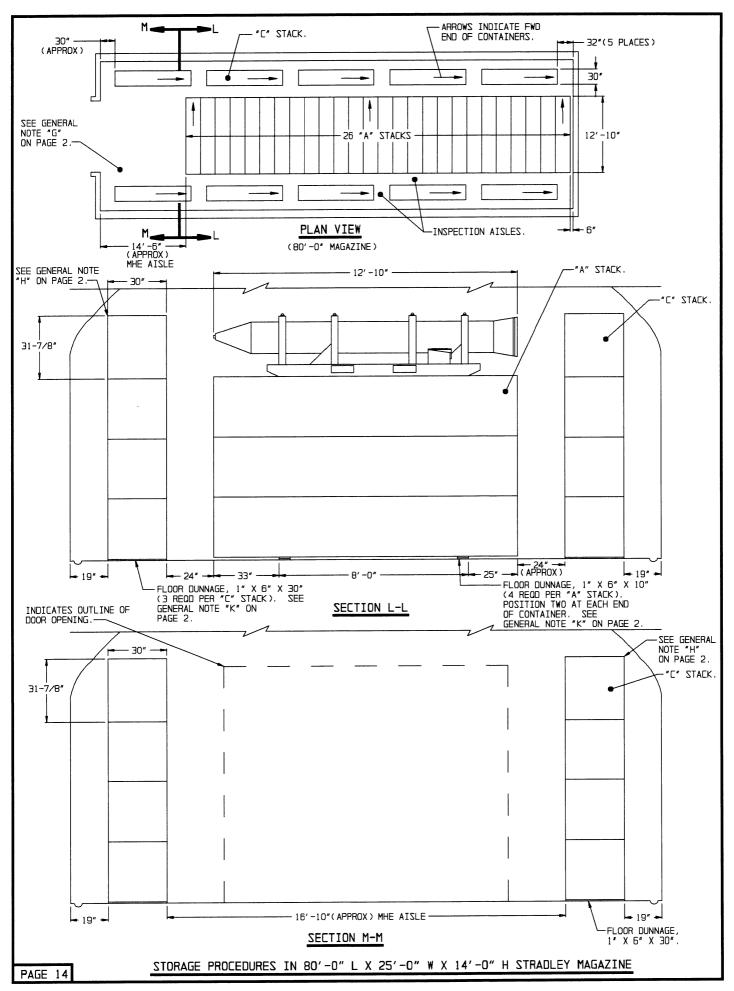
STORAGE PROCEDURES IN 80'-0" AND 40'-0" L X 25'-0" W X 11'-0" H ARCH TYPE MAGAZINES

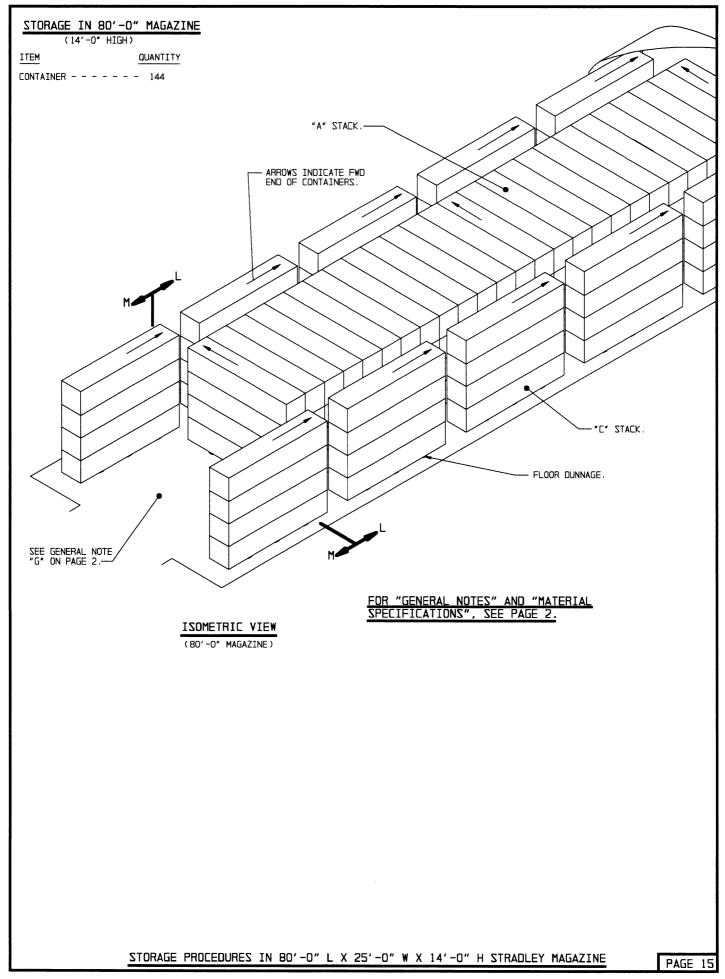


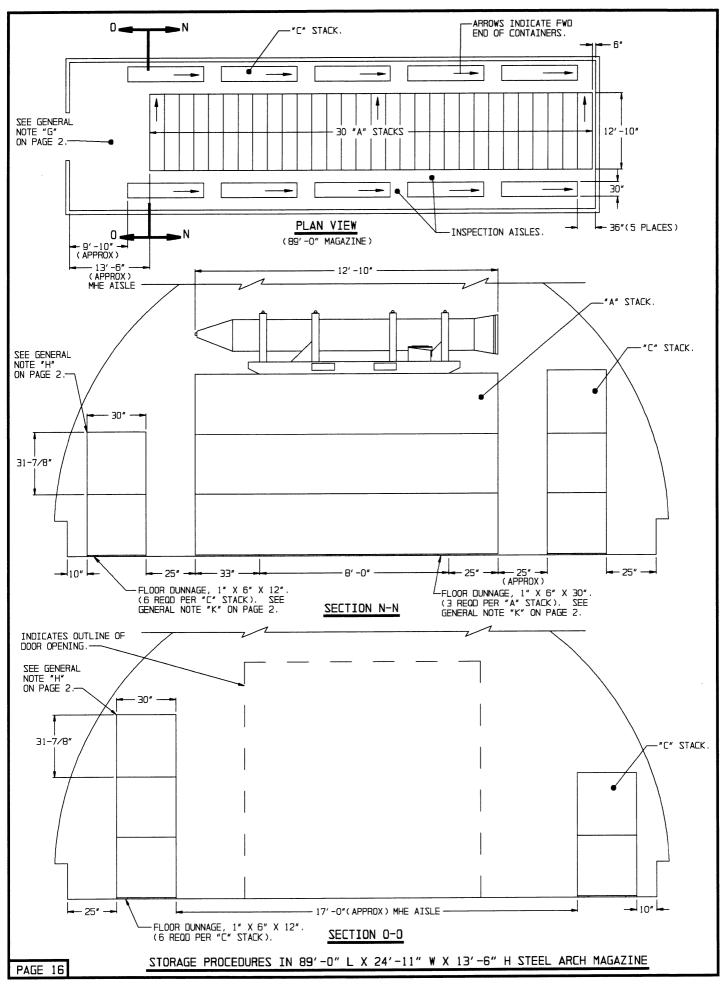


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STORAGE PROCEDURES IN 80'-0" AND 40'-0" L X 25'-0" W X 10'-0" H ARCH TYPE MAGAZINES







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