

# STORAGE IN APPROVED MAGAZINES OF 2000-POUND BOMB, MK84 AND MODS, UNITIZED 2 BOMBS PER METAL PALLET, (NAVY FLEET ISSUE UNIT, MK79 MOD 0 PALLET)

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THIS DRAWING SUPERSEDES  
DRAWING 19-48-4093-1-14  
-PB1000, DATED  
FEBRUARY 1970.

U.S. ARMY MATERIEL COMMAND DRAWING			
APPROVED, U.S. ARMY INDUSTRIAL OPERATIONS COMMAND <i>David A. Pistorik</i> AMSTA-AR-ESK		DRAFTSMAN	D. WHITMORE
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND <i>Larry V. Dulleff</i> DEFENSE AMMUNITION CENTER		ENGINEER	M. DAEUMER
		SUPPLY ENGINEERING DIVISION	<i>Thomas J. Washburn</i>
		LOGISTICS ENGINEERING OFFICE	<i>William J. Ernst</i>
MAY 1980			
REVISION NO. 2	DECEMBER 1996	CLASS	DIVISION
SEE THE REVISION LISTING ON PAGE 2.		19	48
		DRAWING	FILE
		4093	1-3-4-14-22PB1000

DO NOT SCALE

## GENERAL NOTES

(GENERAL NOTES CONTINUED)

- 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 NAVY FLEET ISSUE UNITS OF 2,000-POUND MK84 SERIES BOMBS PACKED 2 PER METAL PALLET, MK79, MOD 0 (2-WAY ENTRY). FOR DETAILS OF THE UNIT, SEE PAGE 3 AND NAVY WR-54/127.
- PALLET UNIT DIMENSIONS -- 99" LONG X 38" WIDE X  
24-1/4" HIGH. (23" STACKING)  
GROSS WEIGHT - - - - - 4,031 LBS (APPROX)  
CUBE - - - - - 46.6 CUBIC FEET.  
EXPLOSIVE WEIGHT/PALLET - 1,890 LBS (APPROX)
- 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 BOMB 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.
- D. PALLET UNITS WILL NOT BE STACKED MORE THAN 6 PALLETS HIGH.
- E. CAUTION: THE "EXPLOSIVE WEIGHTS" AS SHOWN FOR THE MAGAZINES DEPICTED HEREIN ARE BASED ON MAXIMUM SPACE UTILIZATION. HOWEVER, THE ALLOWABLE "EXPLOSIVE LIMIT", AS ESTABLISHED FOR THE SPECIFIC MAGAZINE TO BE USED, WILL NOT BE EXCEEDED. THIS LIMITATION MAY REQUIRE A QUANTITY REDUCTION FROM THE STORAGE AS SHOWN. IF THE QUANTITY OF UNITS 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.
- 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 MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS AND/OR AVAILABLE MATERIALS HANDLING EQUIPMENT (MHE). HOWEVER, A SIXTEEN INCH (16") (MINIMUM) AISLE IS REQUIRED AT THE NOSE END AND AND AT THE BASE END OF THE BOMBS TO FACILITATE INSPECTION.
- H. IF THE AVAILABLE MHE PERMITS, ADDITIONAL PALLET UNITS MAY BE STORED WITHIN THE FRONTAL 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 UNITS IN THE STACKS SHOWN IN THE STORAGE VIEWS HEREIN, UNLESS THE PACKAGE GUARD IS REMOVED (TINE CARRIAGE WILL IN MOST INSTANCES PROVIDE ADEQUATE PACKAGE GUARD PROTECTION).
- K. THE MAXIMUM FLOOR LOAD FOR A MAGAZINE AS PRESCRIBED BY LOCAL STANDARDS WILL NOT BE EXCEEDED.
- L. STACK-STABILIZING DUNNAGE IN THE FORM OF "SHIMS" MAY BE REQUIRED TO ACHIEVE SOUND AND ACCEPTABLE STABLE STACKS. SHIM MATERIAL OF VARYING THICKNESSES WILL BE USED AS REQUIRED TO GAIN LEVEL OR NEARLY LEVEL STACKS.
- M. THE USE OF "FLOOR DUNNAGE UNDER METAL PALLETS 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 PALLET 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.
- N. DUNNAGE LUMBER SPECIFIED THROUGHOUT THIS PROCEDURAL DRAWING IS OF NOMINAL SIZE. FOR EXAMPLE, 1" X 6" MATERIAL IS ACTUALLY 3/4" THICK BY 5-1/2" WIDE.
- O. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS, HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- P. STORAGE OF MULTIPLE LOTS IN A MAGAZINE WILL REQUIRE CAREFUL PREPLANNING SO AS TO INSURE ACCESSIBILITY TO ANY LOT IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE APPLICABLE "SPECIAL NOTES" SECTIONS OF THE MULTIPLE-LOT STORAGE PROCEDURES TYPICALLY SHOWN ON PAGES 20 THRU 26.
- Q. ALTHOUGH SPECIFIC PROCEDURES ARE INCLUDED IN THIS DRAWING FOR STORING MULTIPLE LOTS WITHIN ONE STRUCTURE, THE BASIC STORAGE PATTERNS SHOWN IN THIS DRAWING MAY ALSO BE USED TO A LIMITED DEGREE FOR STORING MORE THAN ONE LOT. A LOT MAY CONSIST OF ONE OR MORE ROWS OF UNITS. HOWEVER, WHEN STORING MORE THAN ONE LOT IN A MAGAZINE, ALL THE ADDITIONAL CRITERIA PERTAINING TO MULTIPLE-LOT STORAGE WILL APPLY AS SPECIFIED IN THE "SPECIAL NOTES" SECTIONS ON PAGES 20 THRU 26.
- R. ANY "LIGHT" PALLETIZED UNIT THAT DOES NOT CONTAIN A FULL QUANTITY OF BOMBS WILL NOT BE BURIED IN STORAGE. IT MUST BE POSITIONED ADJACENT TO AN AISLE, PREFERABLE IN FRONT OF THE LOT.
- S. BOMBS PRESENTLY STORED IN ACCORDANCE WITH A PRIOR APPROVED DRAWING NEED NOT BE RE-STORED SOLELY TO CONFORM TO THE PROCEDURES SPECIFIED IN THIS DOCUMENT.
- T. THE POSITIONING OF THE NOSE-END OF BOMBS WITHIN A MAGAZINE IS INDICATED BY ARROWS IN THE STORAGE VIEWS TO FACILITATE STORAGE/INSPECTION OPERATIONS AND PROVIDE FOR A UNIFORM AND ORDERLY STORAGE PATTERN. EXCEPT FOR STORAGE PATTERNS WITH OFFSET UPPER LAYERS SUCH AS DEPICTED ON PAGES 4 THRU 13 IN IGL00 AND ARCH TYPE MAGAZINES, PALLET UNITS, IF DESIRED, MAY BE ROTATED 180° FROM THAT SHOWN IN THE STORAGE VIEWS.

## REVISIONS

REVISION NO. 1, DATED MAY 1980, CONSIST OF:

1. ADDING PROCEDURES FOR ARCH TYPE, CORBETTA AND RECTANGULAR MAGAZINES.
2. ADDING ALTERNATIVE MULTIPLE-LOT PROCEDURES.
3. UPDATING THE GENERAL NOTES AND DRAWING FORMAT.

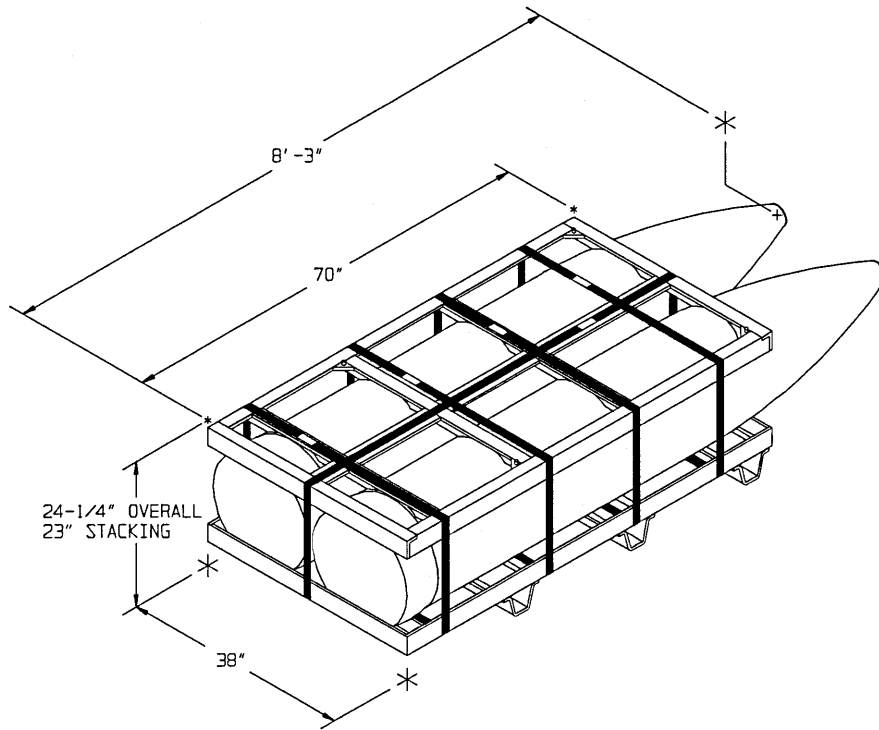
REVISION NO. 2, DATED DECEMBER 1996, CONSISTS OF:

1. CONVERTING DRAWING TO CAD.
2. CHANGING STORAGE PROCEDURES IN SOME MAGAZINES TO FACILITATE MHE HANDLING OPERATIONS AND INSPECTION/INVENTORY REQUIREMENTS.
3. CHANGING QUANTITY OF UNITS IN MAGAZINES AS APPLICABLE.

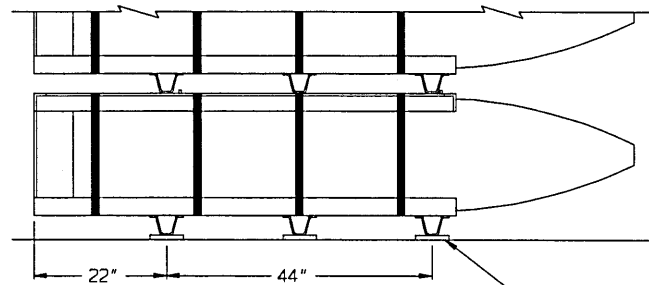
(CONTINUED AT RIGHT)

## MATERIAL SPECIFICATIONS

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



PALLET UNIT DETAIL



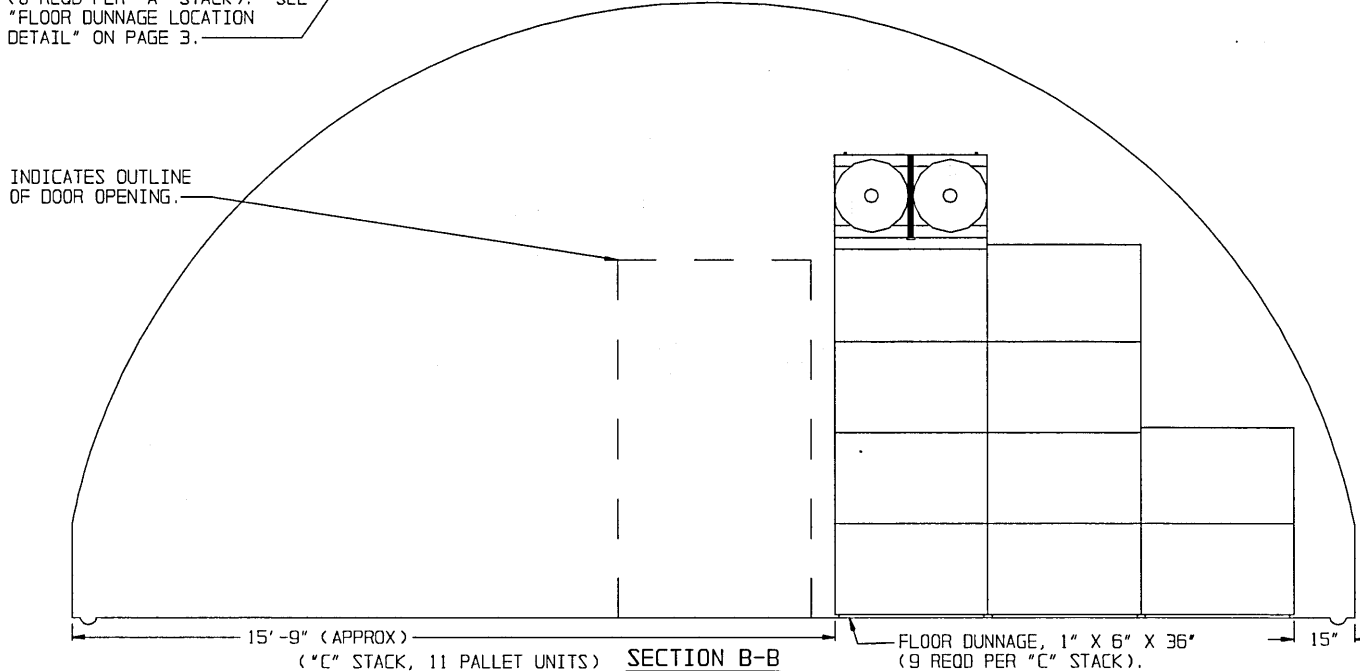
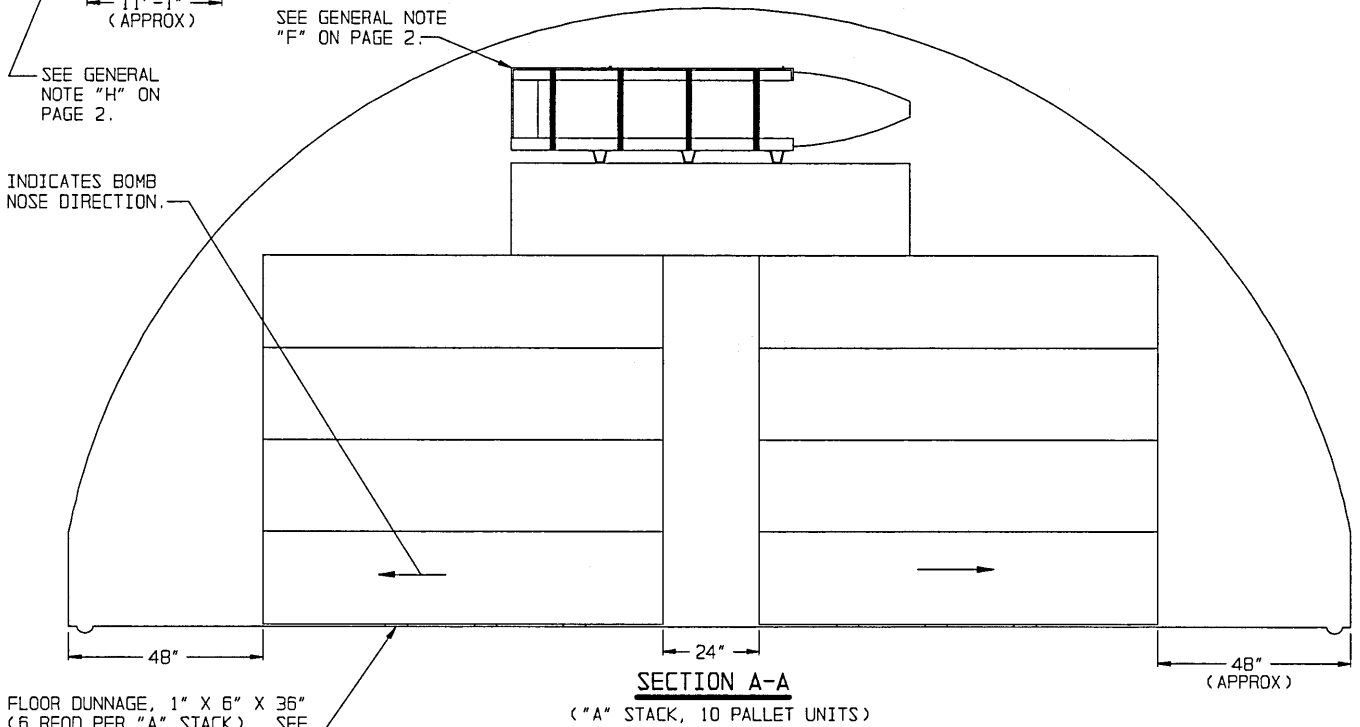
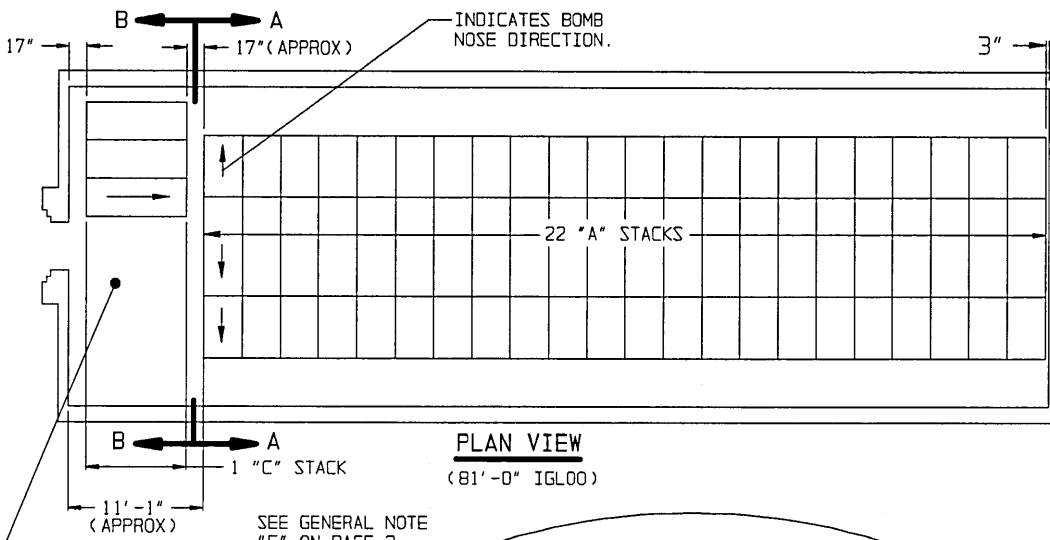
FLOOR DUNNAGE LOCATION DETAIL

1" X 6" X 36" (3 REQD  
PER FIRST LAYER PALLET  
UNIT). SEE GENERAL  
NOTE "M" ON PAGE 2.

DETAILS

**STORAGE IN 81'-0" IGL00**  
(12'-9" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	231
EXPLOSIVE WEIGHT - - -	436,590 LBS (APPROX)



**STORAGE PROCEDURES IN 81'-0", 60'-8", AND 40'-4" L X 26'-6" W X 12'-9" H IGL00 MAGAZINES**

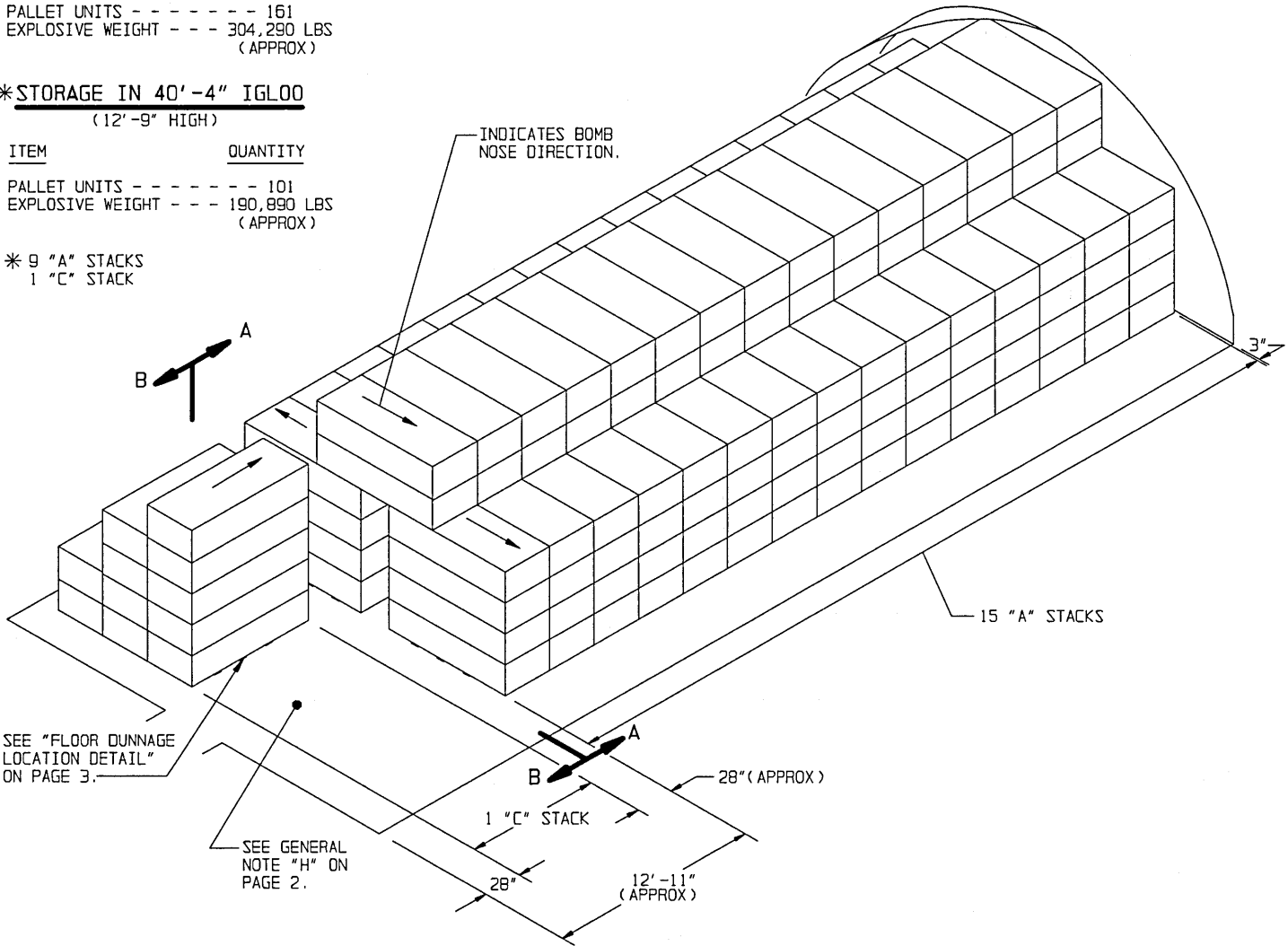
**STORAGE IN 60'-8" IGL00**  
(12'-9" HIGH)

ITEMS	QUANTITY
PALLET UNITS - - - - -	161
EXPLOSIVE WEIGHT - - -	304,290 LBS (APPROX)

**\*STORAGE IN 40'-4" IGL00**  
(12'-9" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	101
EXPLOSIVE WEIGHT - - -	190,890 LBS (APPROX)

\* 9 "A" STACKS  
1 "C" STACK

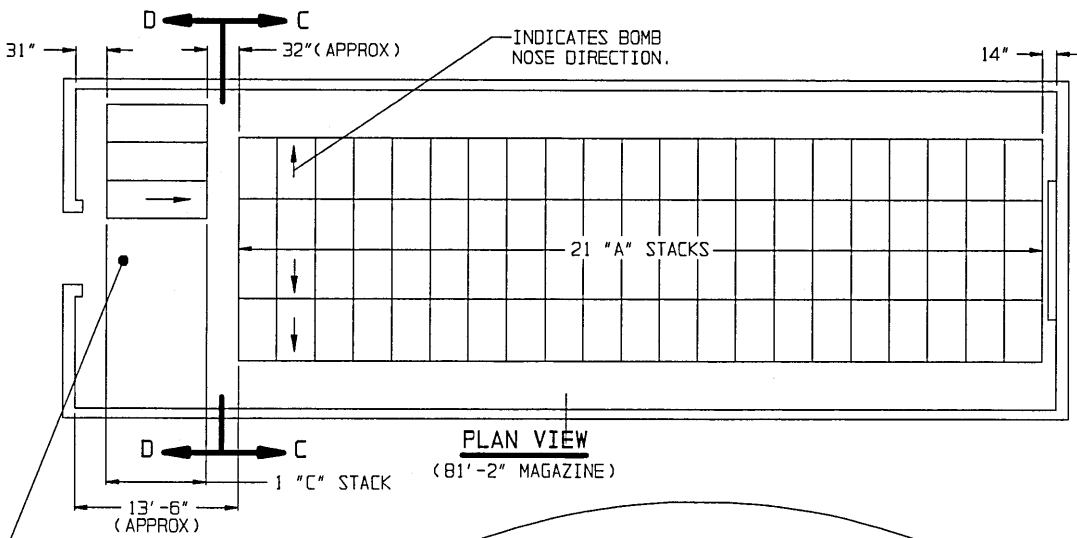


**ISOMETRIC VIEW**  
(60'-8" IGL00)

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

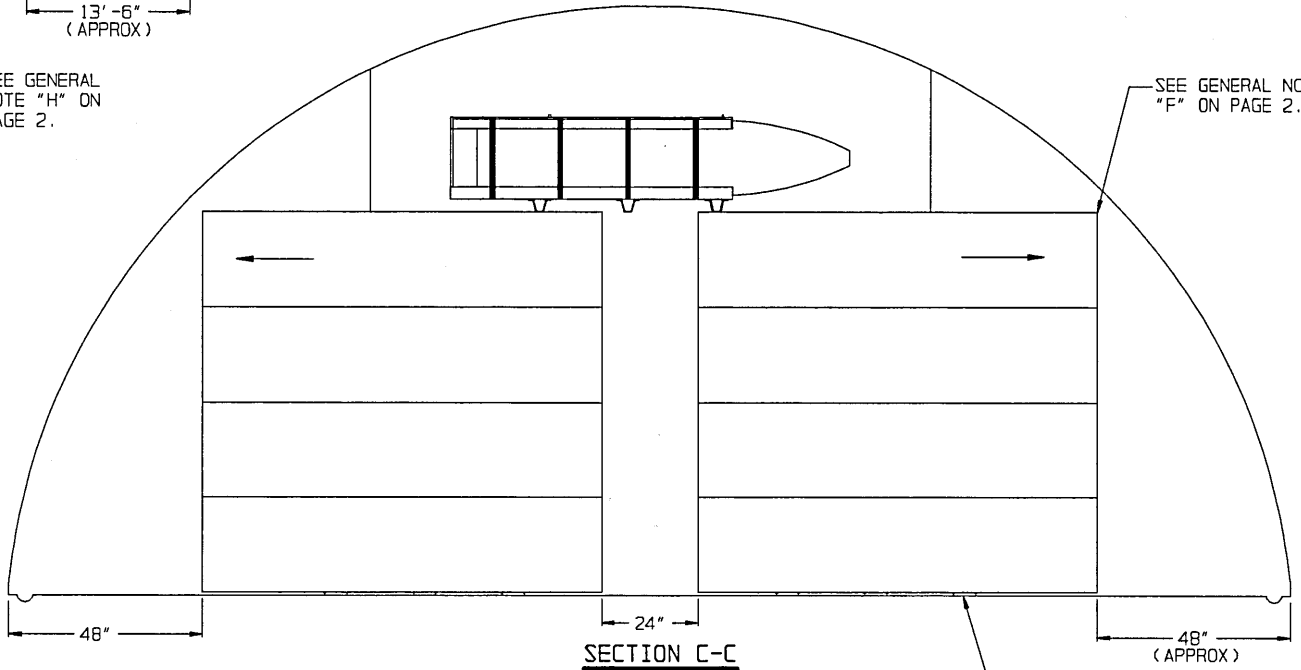
BILL OF MATERIAL (PER STACK) * *		
TYPE STACK	1" X 6" DUNNAGE LUMBER	
	LINEAR FEET	BOARD FEET
A	18.00	9.00
C	27.00	13.50

\* \* SEE GENERAL NOTES "M" AND "N" ON PAGE 2.



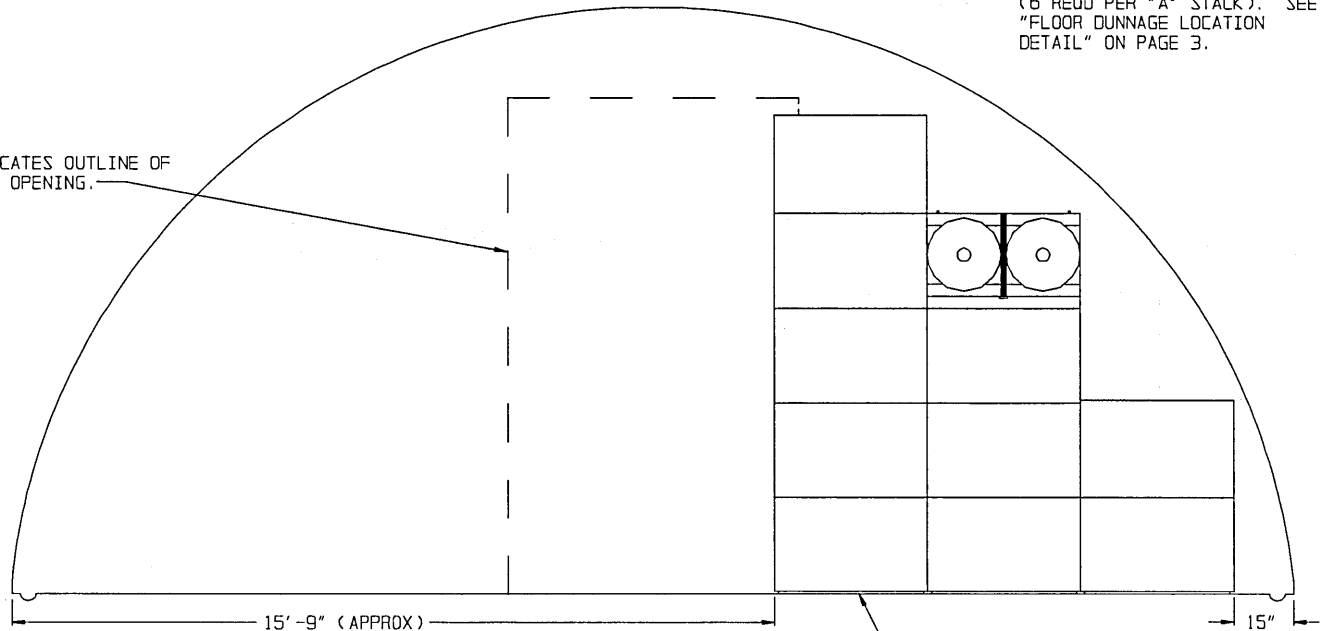
SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.



FLOOR DUNNAGE, 1" X 6" X 36" (6 REOD PER "A" STACK). SEE "FLOOR DUNNAGE LOCATION DETAIL" ON PAGE 3.

INDICATES OUTLINE OF DOOR OPENING.

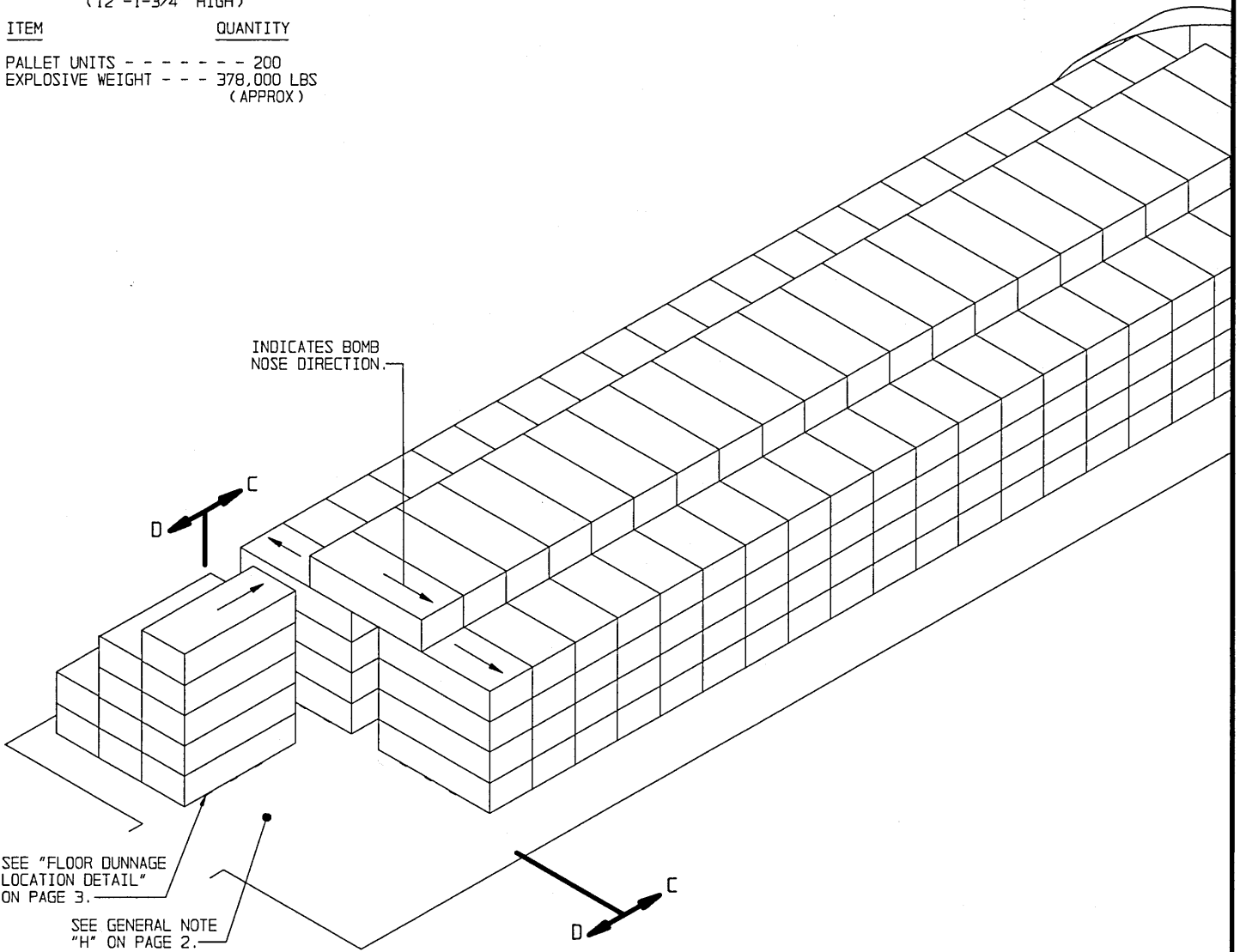


FLOOR DUNNAGE, 1" X 6" X 36" (9 REOD PER "C" STACK).

**STORAGE IN 81'-2" MAGAZINE**

(12'-1-3/4" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	200
EXPLOSIVE WEIGHT - - - - -	378,000 LBS (APPROX)



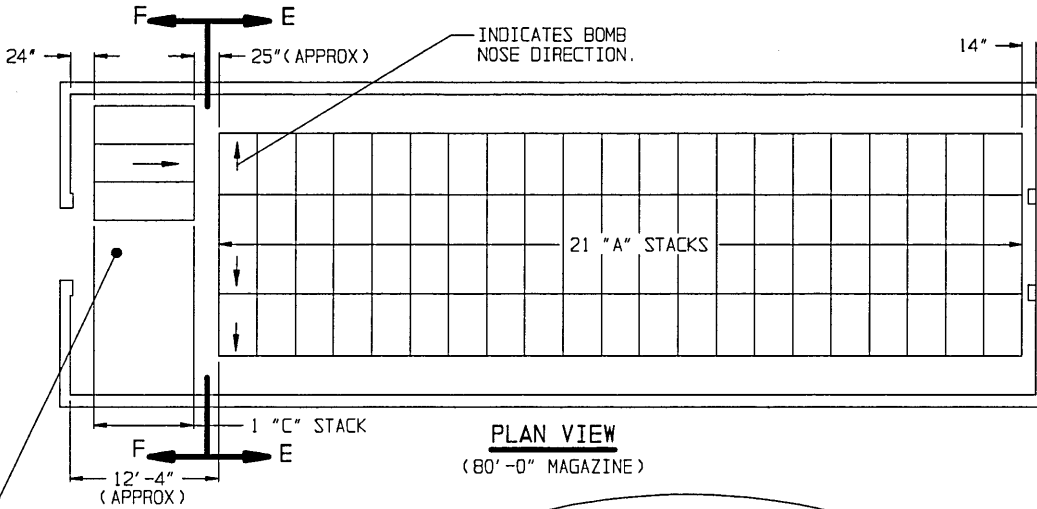
**ISOMETRIC VIEW**  
(81'-2" MAGAZINE)

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

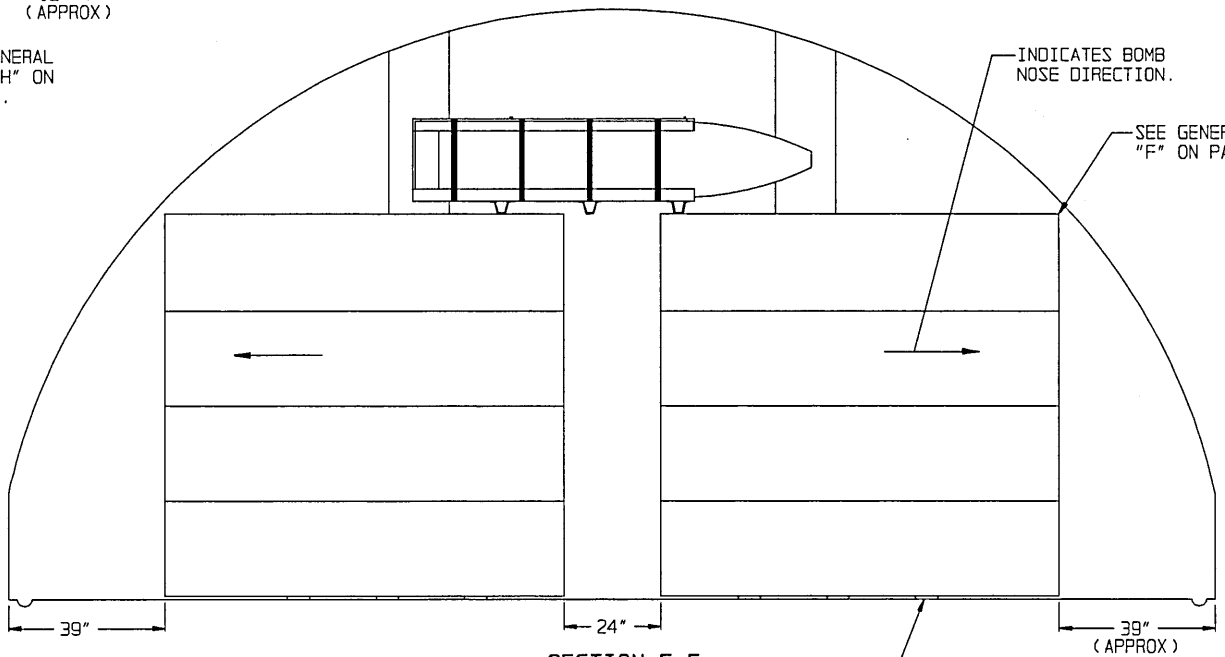
BILL OF MATERIAL (PER STACK) *		
TYPE STACK	1" X 6" DUNNAGE LUMBER	
	LINEAR FEET	BOARD FEET
A	18.00	9.00
C	27.00	13.50

\* SEE GENERAL NOTES "M" AND "N" ON PAGE 2.

STORAGE IN 80'-0" MAGAZINE  
(12'-1-3/4" HIGH)

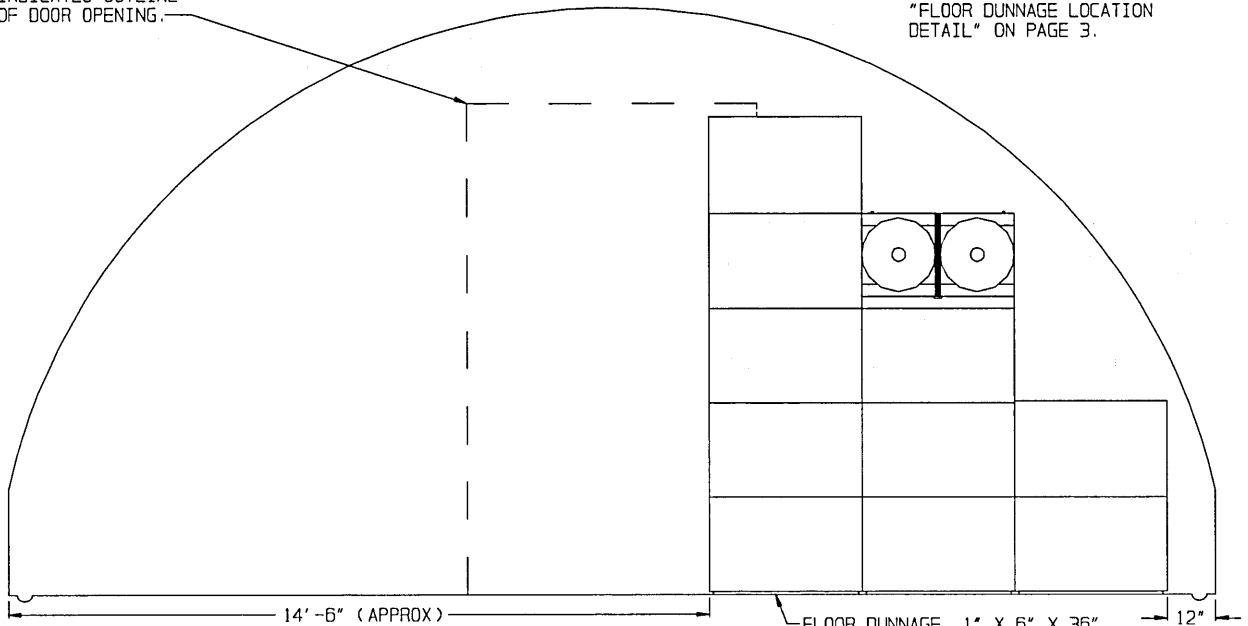


SEE GENERAL NOTE "H" ON PAGE 2.



INDICATES OUTLINE OF DOOR OPENING.

FLOOR DUNNAGE, 1" X 6" X 36" (6 REOD PER "A" STACK). SEE "FLOOR DUNNAGE LOCATION DETAIL" ON PAGE 3.



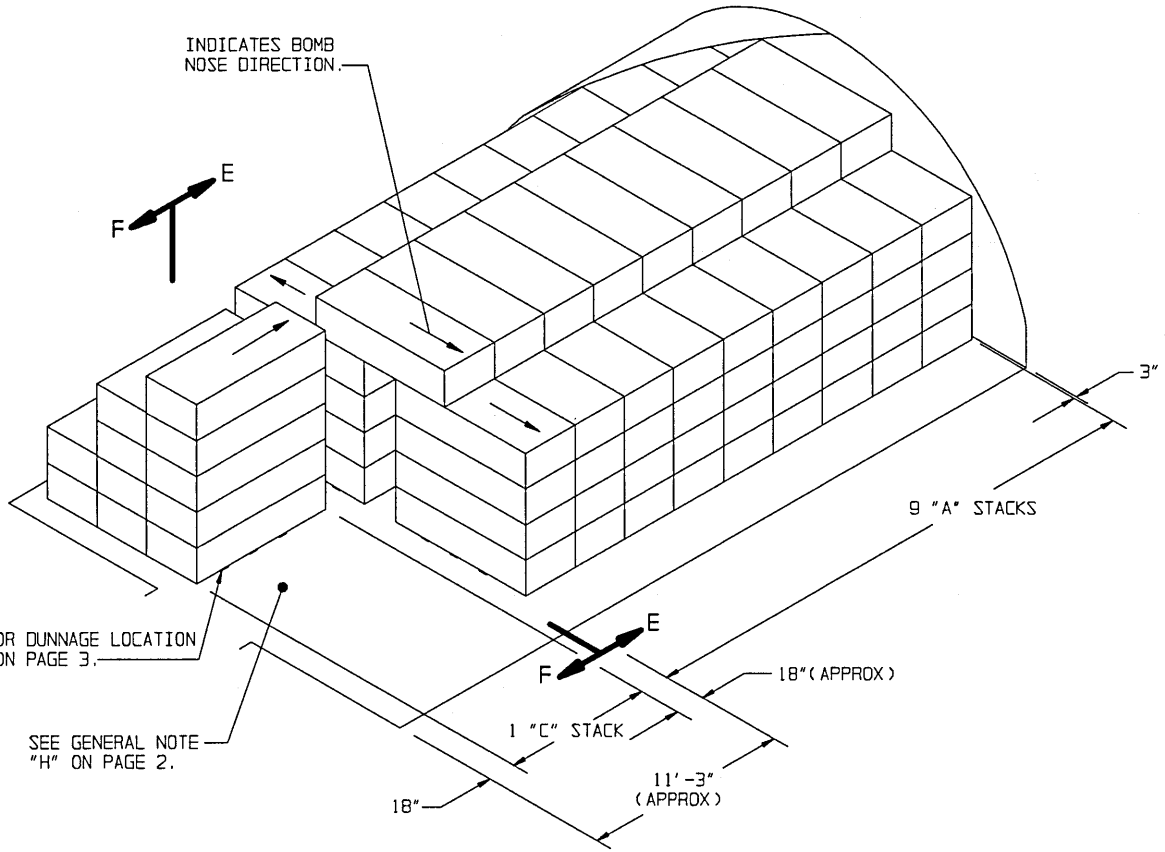
STORAGE PROCEDURES IN 80'-0" AND 40'-0" L X 25'-0" W X 12'-1-3/4" H ARCH TYPE MAGAZINES



**STORAGE IN 40'-0" MAGAZINE**

(12'-1-3/4" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	92
EXPLOSIVE WEIGHT - - -	173,880 LBS (APPROX)



**ISOMETRIC VIEW**  
(40'-0" MAGAZINE)

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

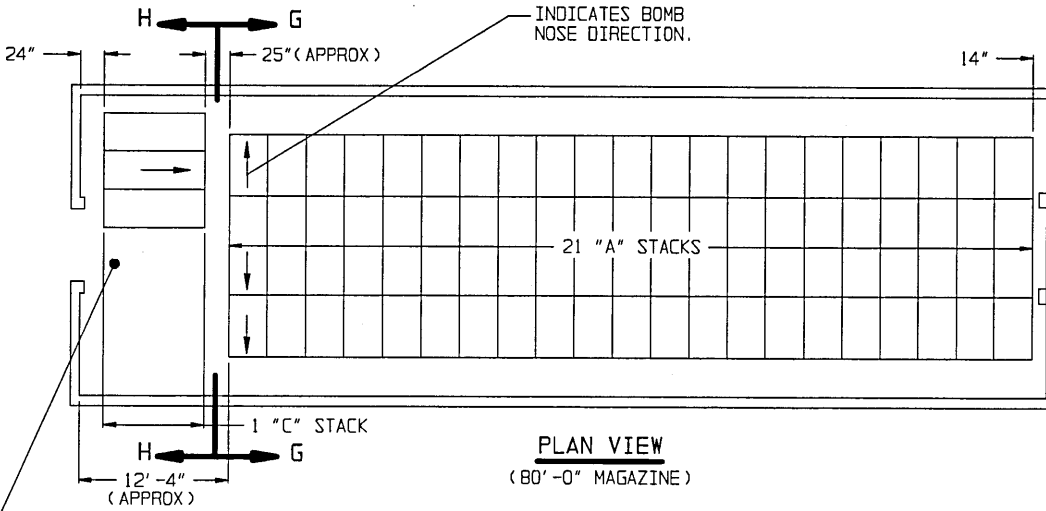
BILL OF MATERIAL (PER STACK) *		
TYPE STACK	1" X 6" DUNNAGE LUMBER	
	LINEAR FEET	BOARD FEET
A	18.00	9.00
C	27.00	13.50

\* SEE GENERAL NOTES "M" AND "N" ON PAGE 2.

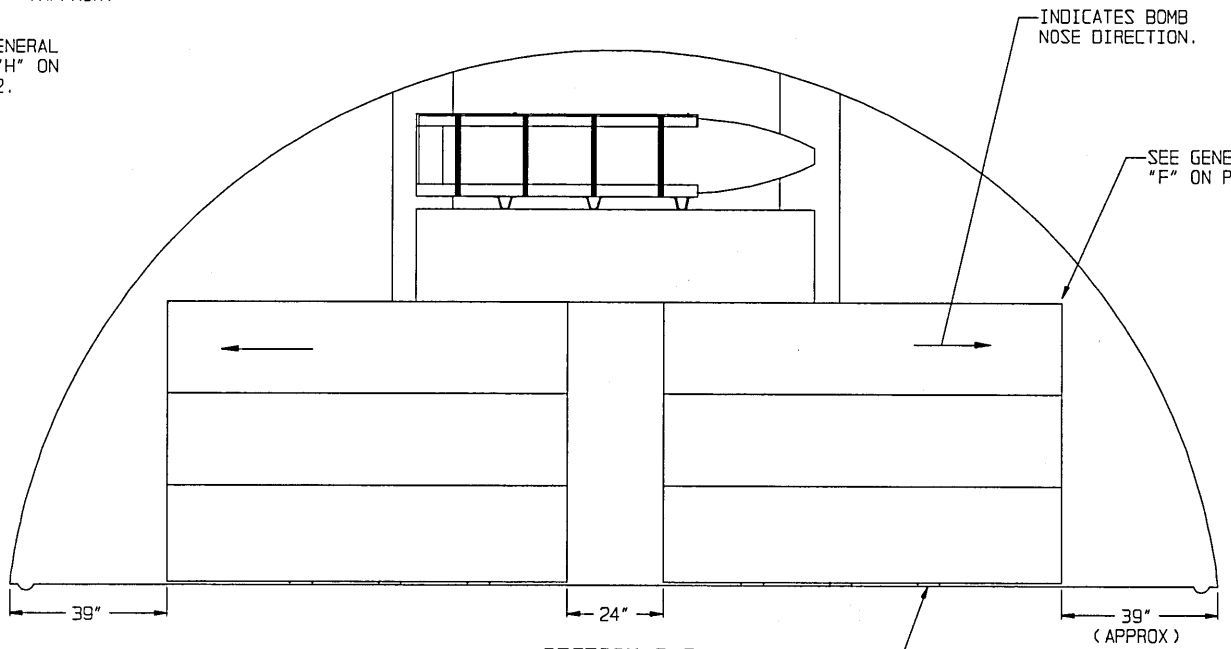
**STORAGE IN 80'-0" MAGAZINE**

(11'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	179
EXPLOSIVE WEIGHT - - - - -	338,310 LBS (APPROX)

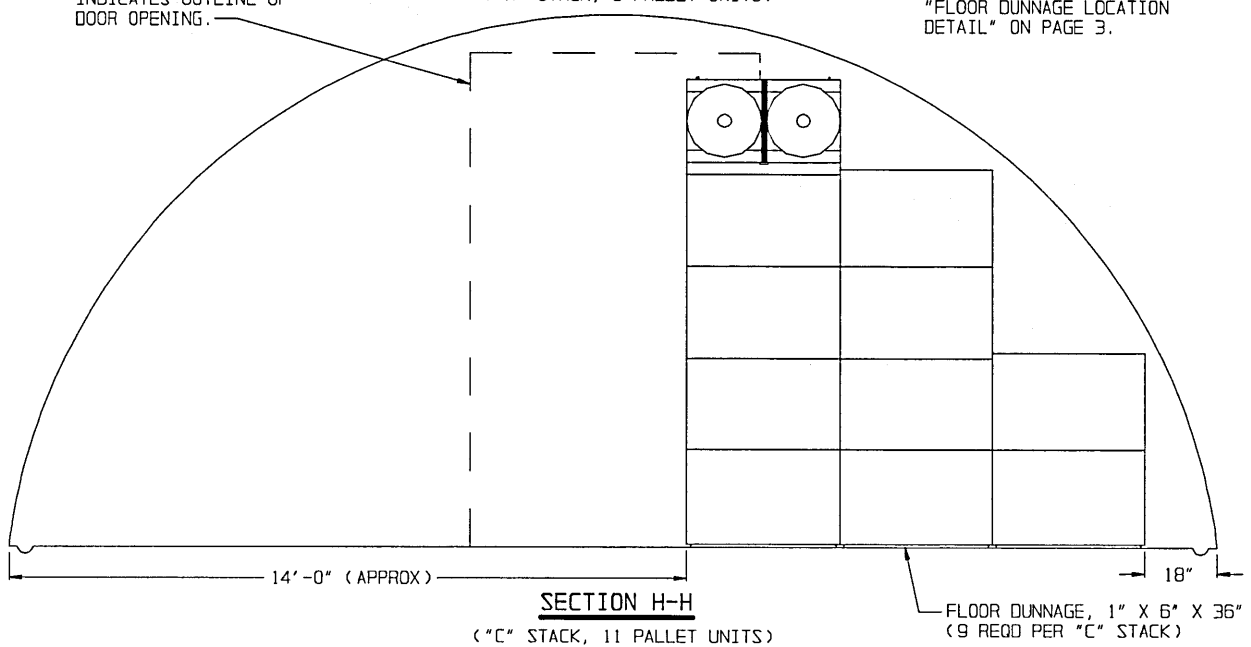


SEE GENERAL NOTE "H" ON PAGE 2.



INDICATES OUTLINE OF DOOR OPENING.

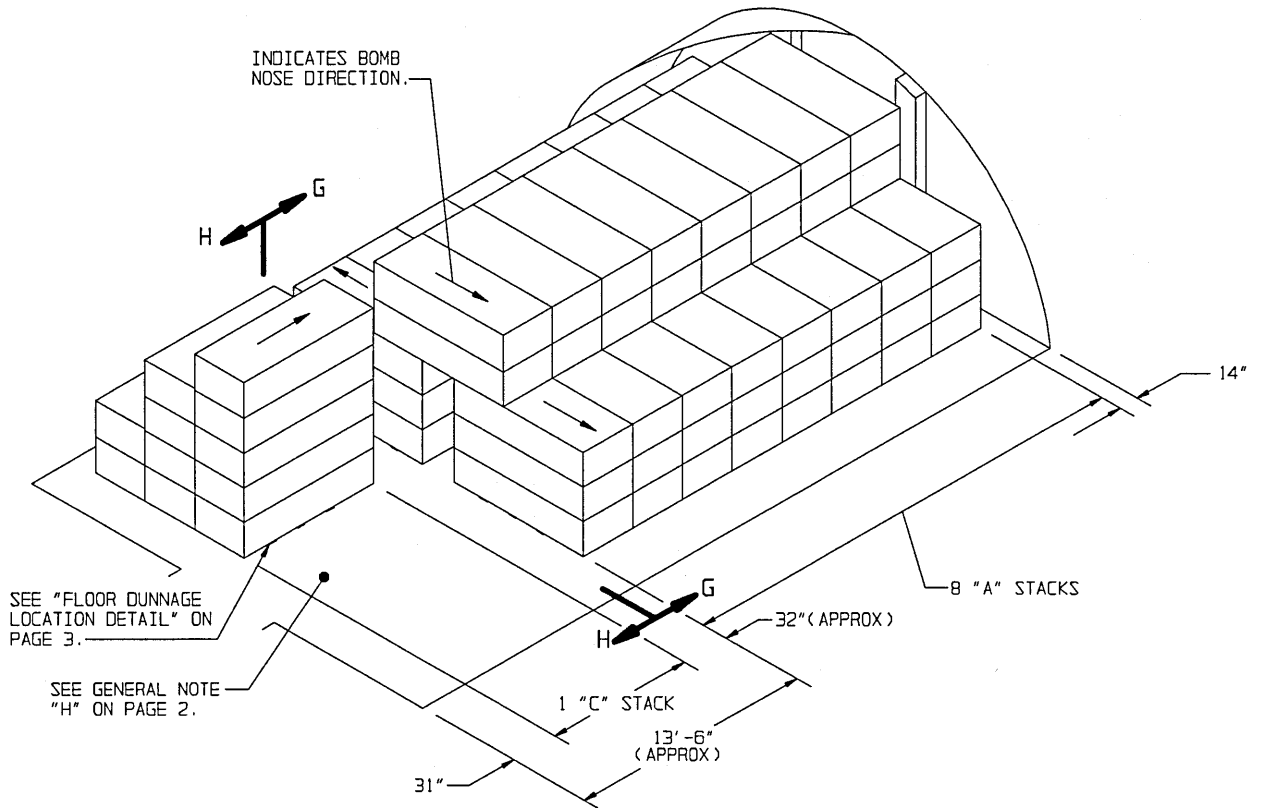
FLOOR DUNNAGE, 1" X 6" X 36" (6 RECD PER "A" STACK). SEE "FLOOR DUNNAGE LOCATION DETAIL" ON PAGE 3.



**STORAGE IN 40'-0" MAGAZINE**

(11'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	75
EXPLOSIVE WEIGHT - - -	141,750 LBS (APPROX)



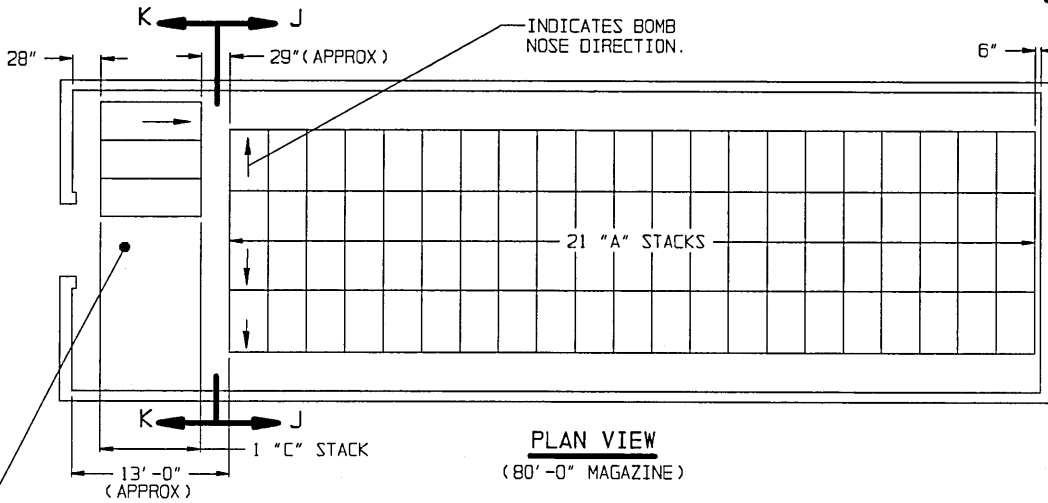
**ISOMETRIC VIEW**  
(40'-0" MAGAZINE)

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

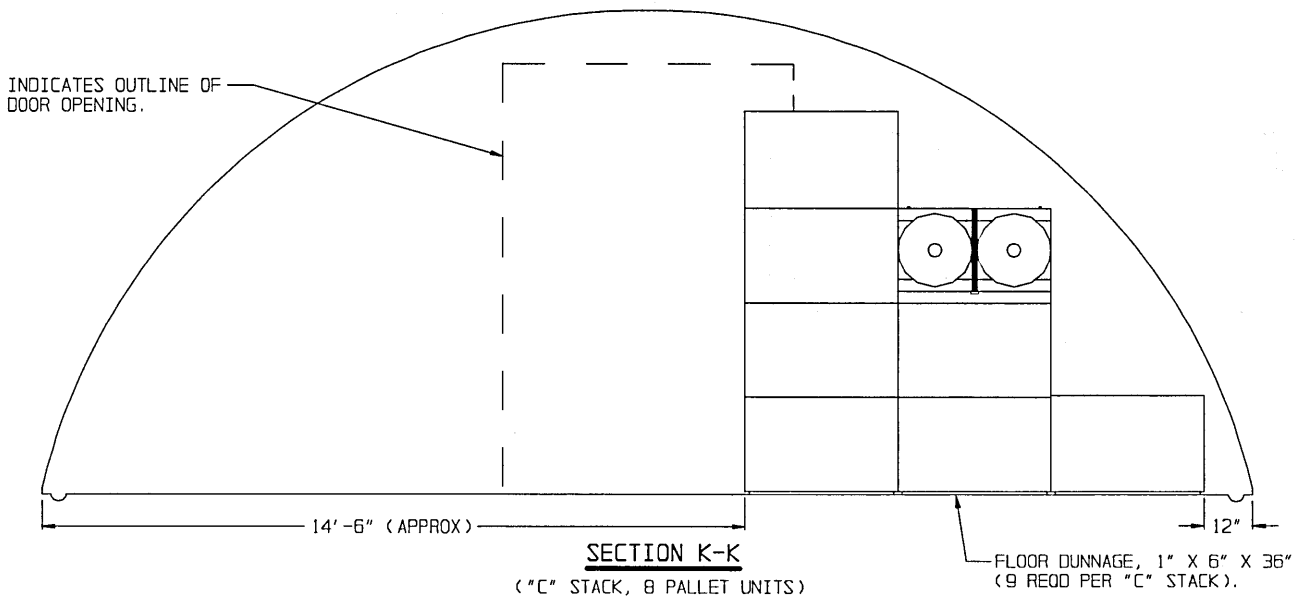
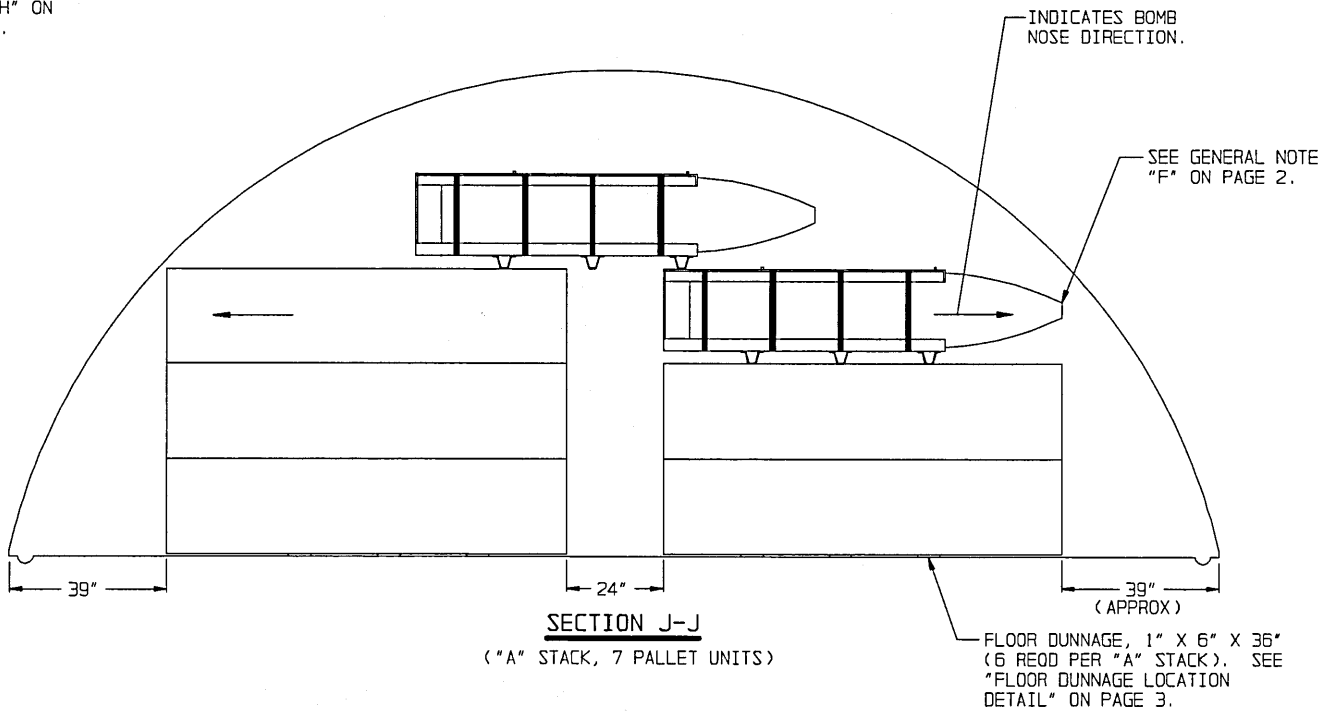
BILL OF MATERIAL (PER STACK) *		
TYPE STACK	1" X 6" DUNNAGE LUMBER	
	LINEAR FEET	BOARD FEET
A	18.00	9.00
C	27.00	13.50

\* SEE GENERAL NOTES "M" AND "N" ON PAGE 2.

**STORAGE IN 80'-0" MAGAZINE**  
(10'-0" HIGH)



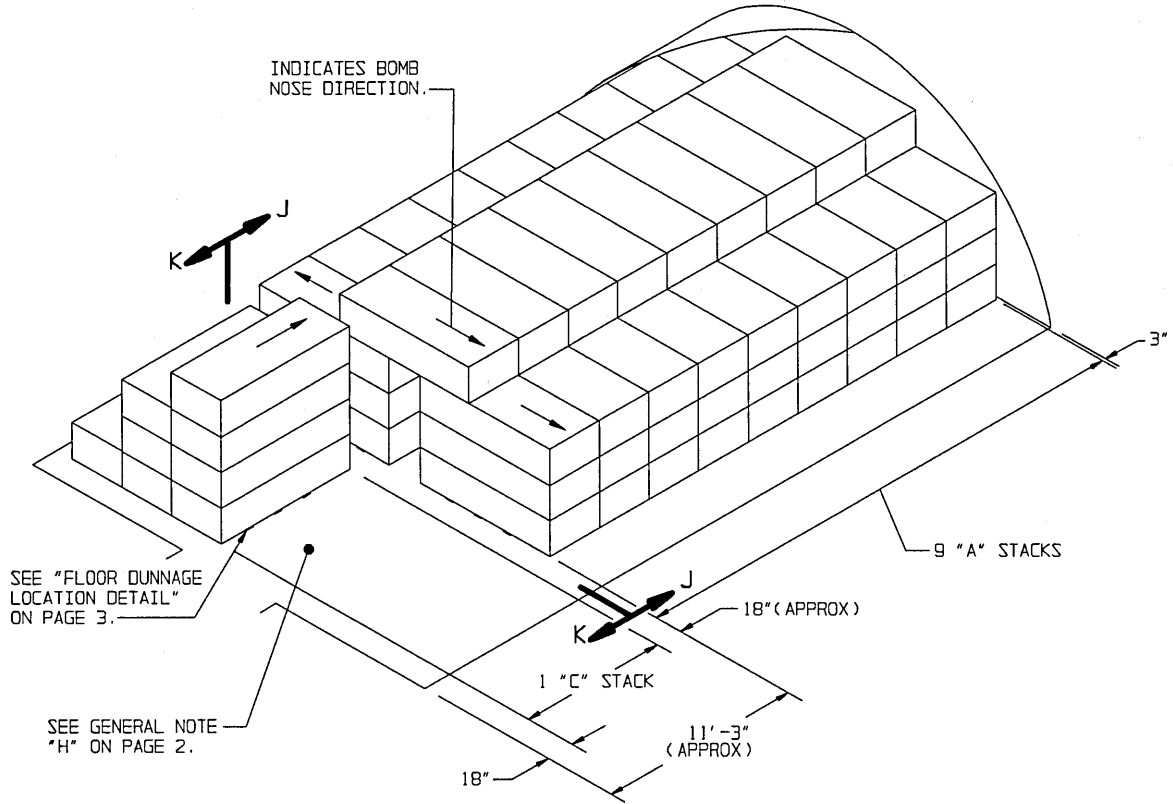
SEE GENERAL NOTE "H" ON PAGE 2.



**STORAGE IN 40'-0" MAGAZINE**

(10'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	71
EXPLOSIVE WEIGHT - - -	134,190 LBS (APPROX)

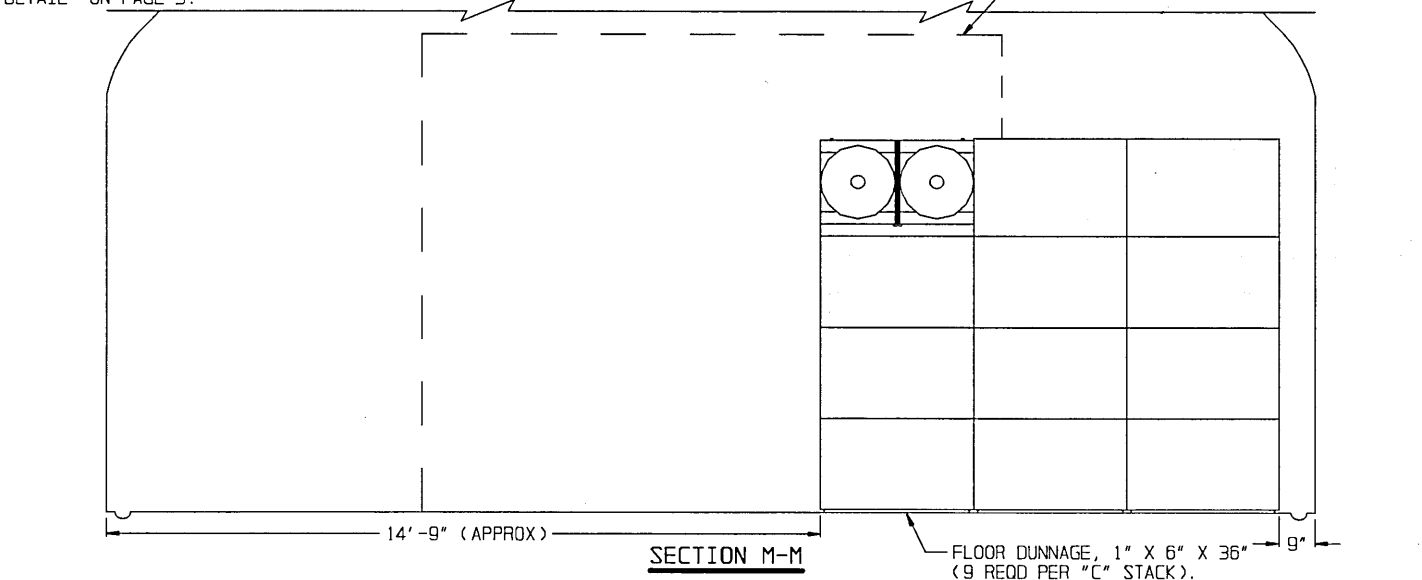
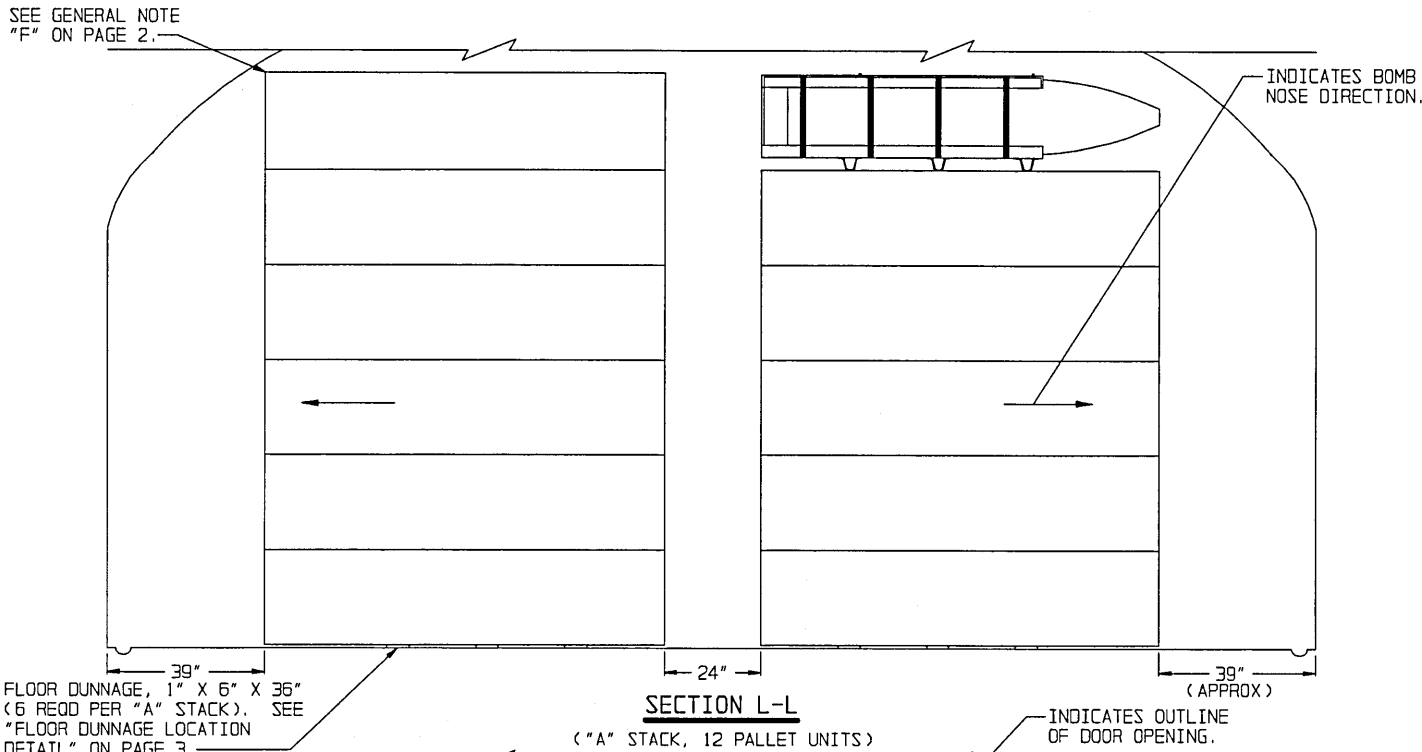
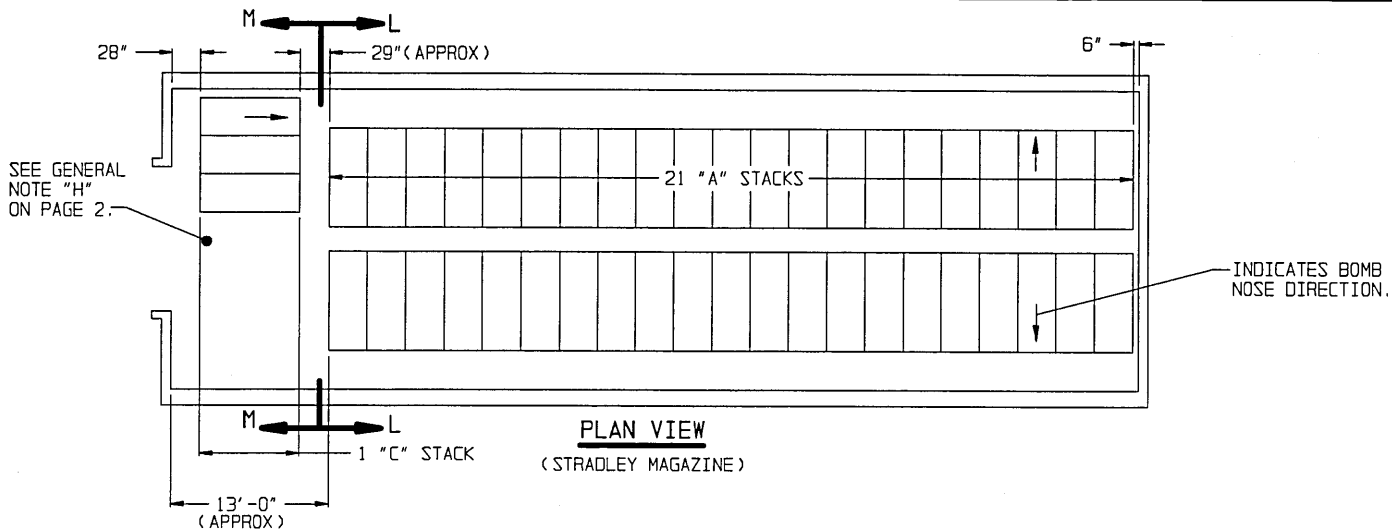


**ISOMETRIC VIEW**  
(40'-0" MAGAZINE)

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

BILL OF MATERIAL (PER STACK) *		
TYPE STACK	1" X 6" DUNNAGE LUMBER	
	LINEAR FEET	BOARD FEET
A	18.00	9.00
C	27.00	13.50

\* SEE GENERAL NOTES "M" AND "N" ON PAGE 2.



STORAGE PROCEDURES IN 80'-0" L X 25'-0" W X 14'-0" H STRADLEY AND 89'-0" L X 24'-10" W X 14'-4" H OVAL ARCH MAGAZINES

**STORAGE IN STRADLEY MAGAZINE**

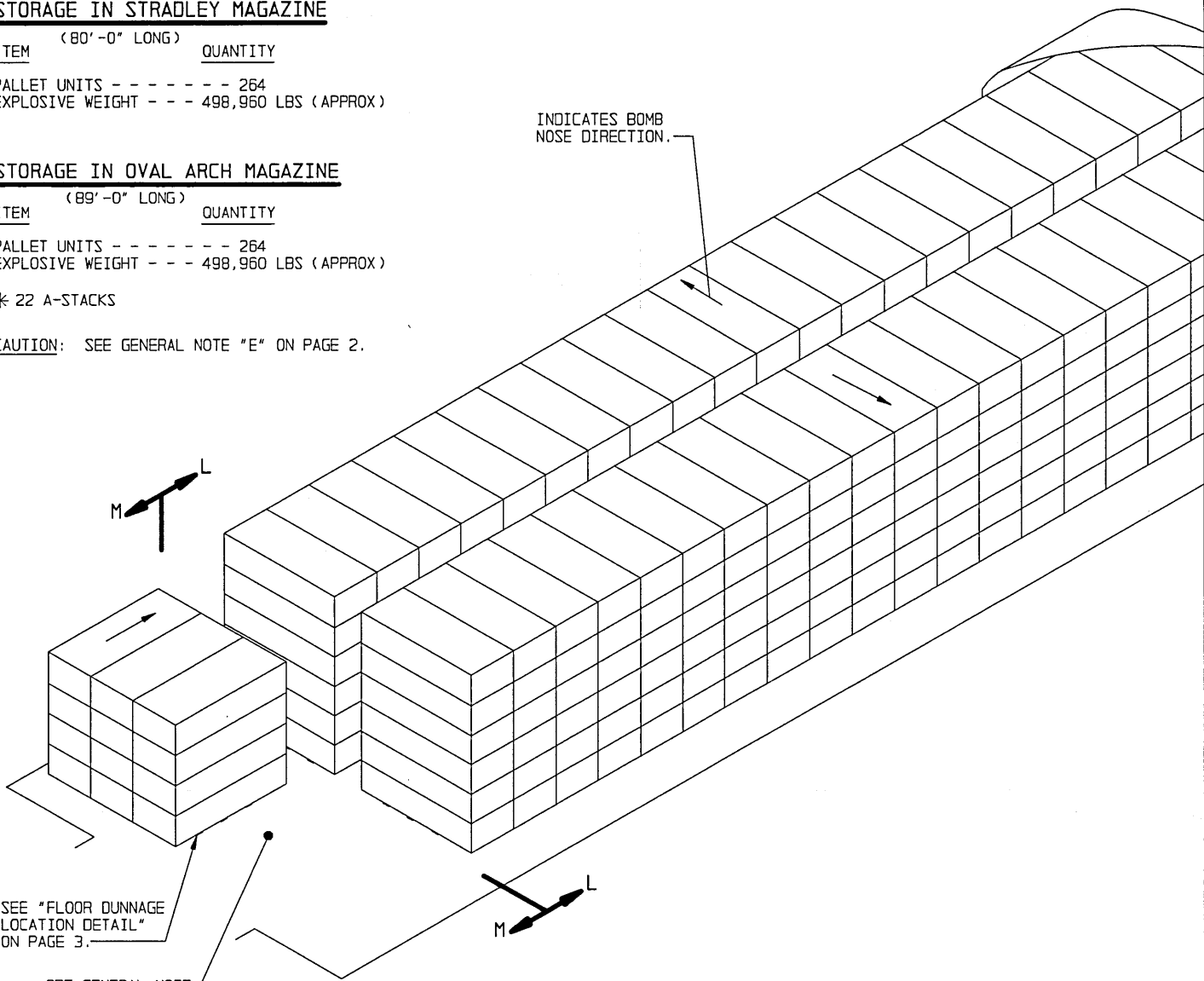
ITEM (80'-0" LONG) QUANTITY  
 PALLET UNITS - - - - - 264  
 EXPLOSIVE WEIGHT - - - 498,960 LBS (APPROX)

**\*STORAGE IN OVAL ARCH MAGAZINE**

ITEM (89'-0" LONG) QUANTITY  
 PALLET UNITS - - - - - 264  
 EXPLOSIVE WEIGHT - - - 498,960 LBS (APPROX)

\* 22 A-STACKS

CAUTION: SEE GENERAL NOTE "E" ON PAGE 2.



ISOMETRIC VIEW  
 (STRADLEY MAGAZINE)

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

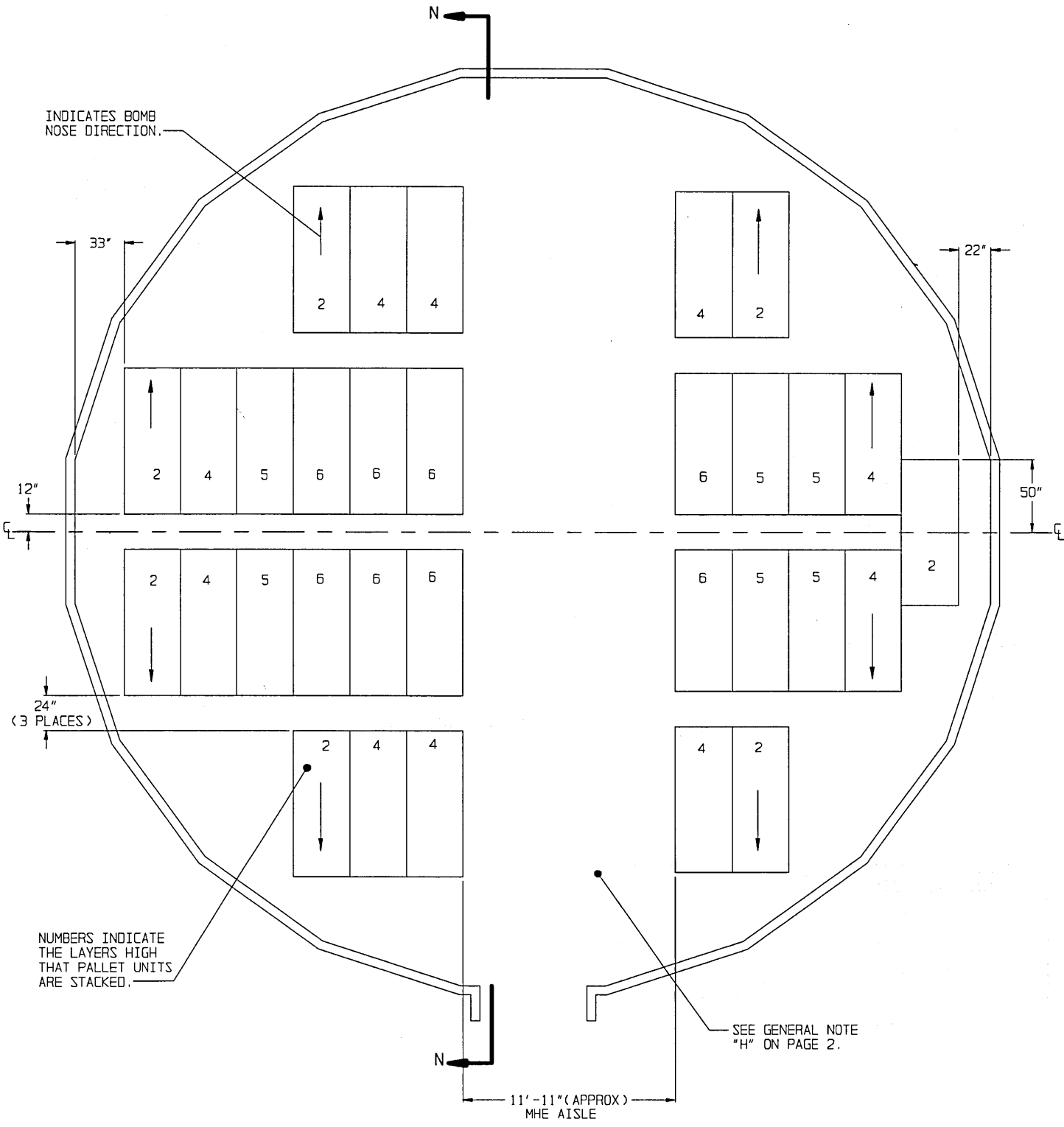
BILL OF MATERIAL (PER STACK) * *		
TYPE STACK	1" X 6" DUNNAGE LUMBER	
	LINEAR FEET	BOARD FEET
A	18.00	9.00
C	27.00	13.50

\* \* SEE GENERAL NOTES "M" AND "N" ON PAGE 2.

STORAGE PROCEDURES IN 80'-0" L X 25'-0" W X 14'-0" H STRADLEY AND  
 89'-0" L X 24'-10" W X 14'-4" H OVAL ARCH MAGAZINES

STORAGE IN 52'-0" DIA MAGAZINE

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNITS - - - - -	132
EXPLOSIVE WEIGHT - - -	249,480 LBS (APPROX)
<u>CAUTION: SEE GENERAL NOTE "E" ON PAGE 2.</u>	

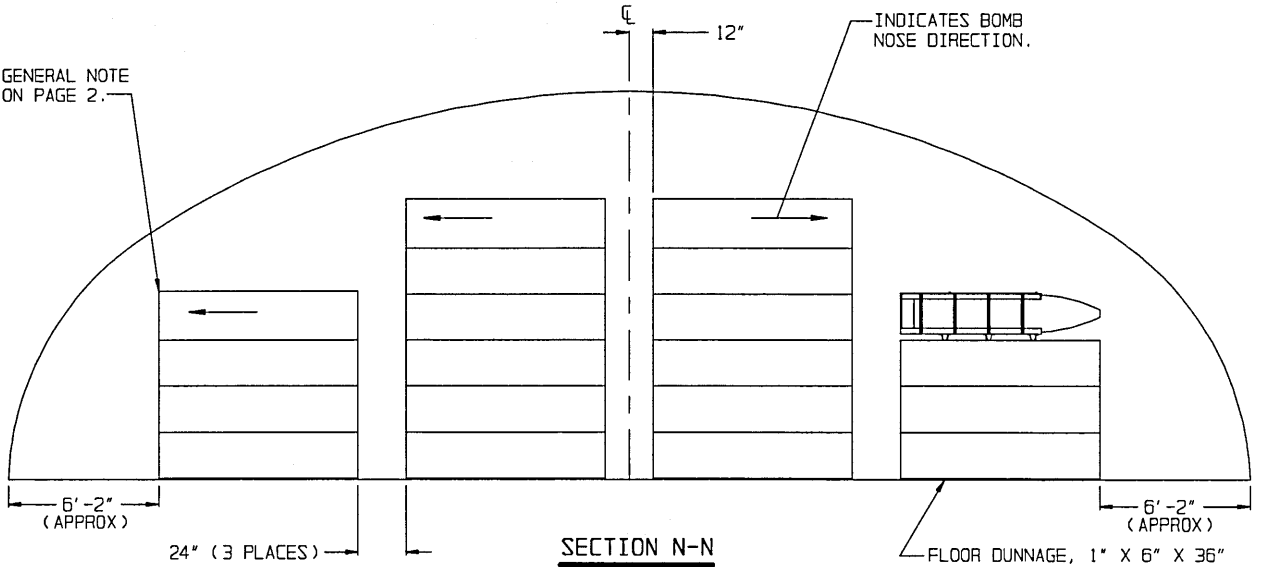


**PLAN VIEW**  
(52'-0" DIA MAGAZINE)

STORAGE PROCEDURES IN 52'-0" DIA CORBETTA MAGAZINE



SEE GENERAL NOTE  
"F" ON PAGE 2.



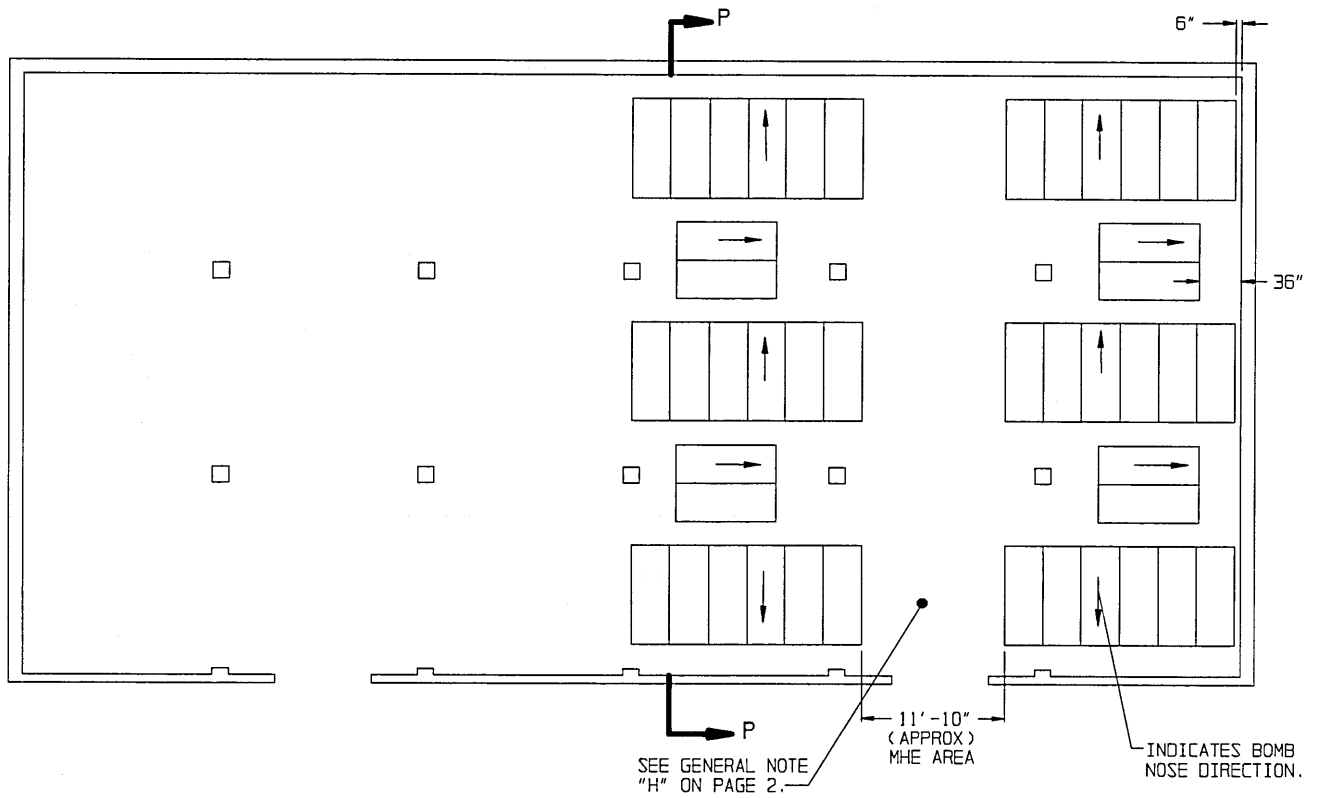
FLOOR DUNNAGE, 1" X 6" X 36"  
(3 REOD PER FIRST-LAYER PALLET UNIT).  
SEE "FLOOR DUNNAGE LOCATION  
DETAIL" ON PAGE 3.

**BILL OF MATERIAL (PER FIRST-LAYER PALLET UNIT) \***

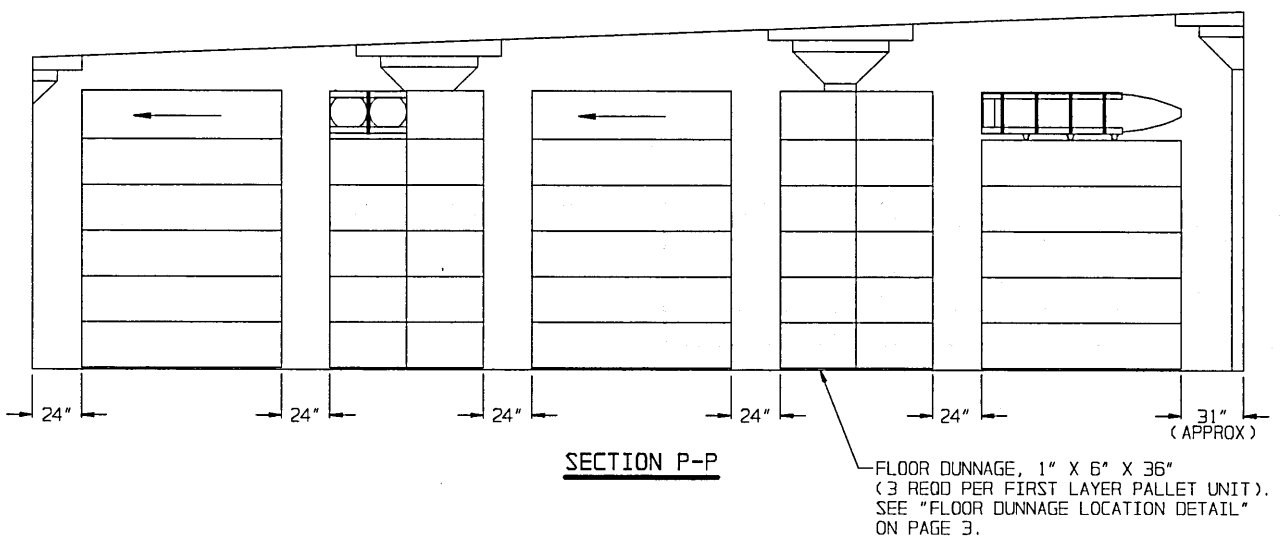
1" X 6" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
9.00	4.50

\* SEE GENERAL NOTES "M" AND "N" ON PAGE 2.

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



**PLAN VIEW**  
 (100'-8" X 50'-0" MAGAZINE)

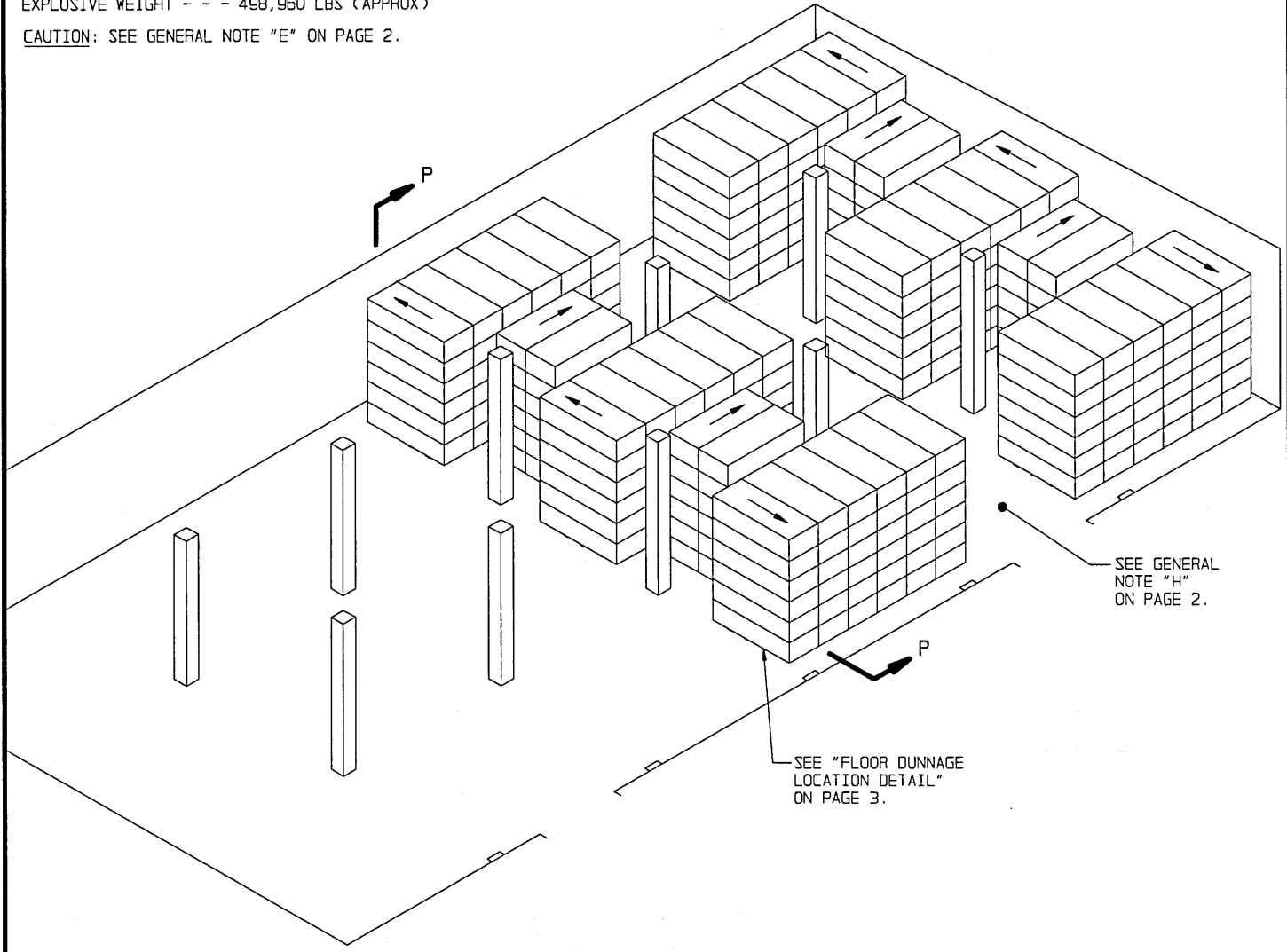


**SECTION P-P**

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

STORAGE IN 100'-8" X 50'-0" MAGAZINE

ITEM                      QUANTITY  
 PALLET UNITS - - - - - 264  
 EXPLOSIVE WEIGHT - - - 498,960 LBS (APPROX)  
 CAUTION: SEE GENERAL NOTE "E" ON PAGE 2.

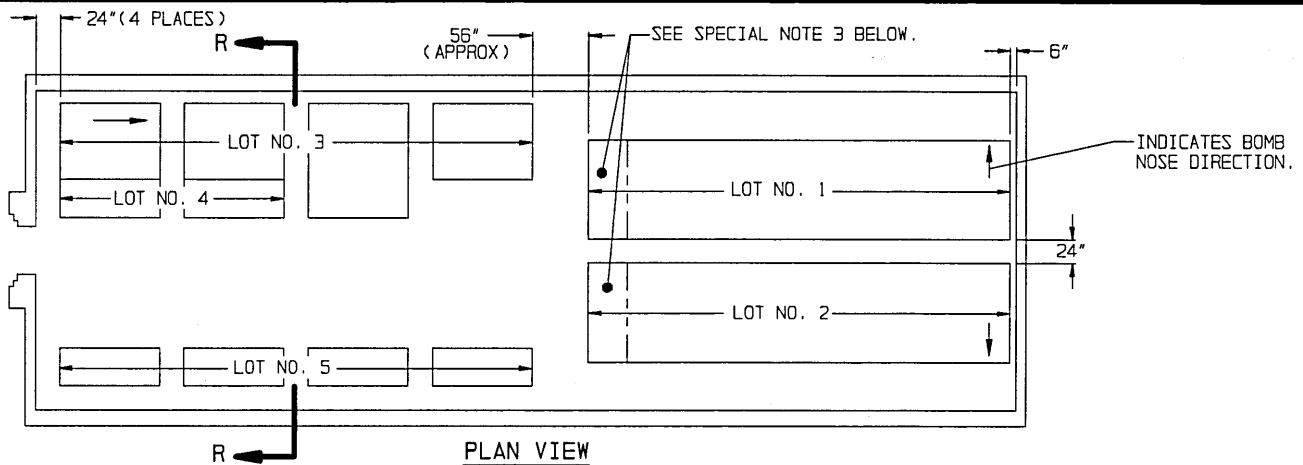


ISOMETRIC VIEW  
 (100'-8" X 50'-0" MAGAZINE)

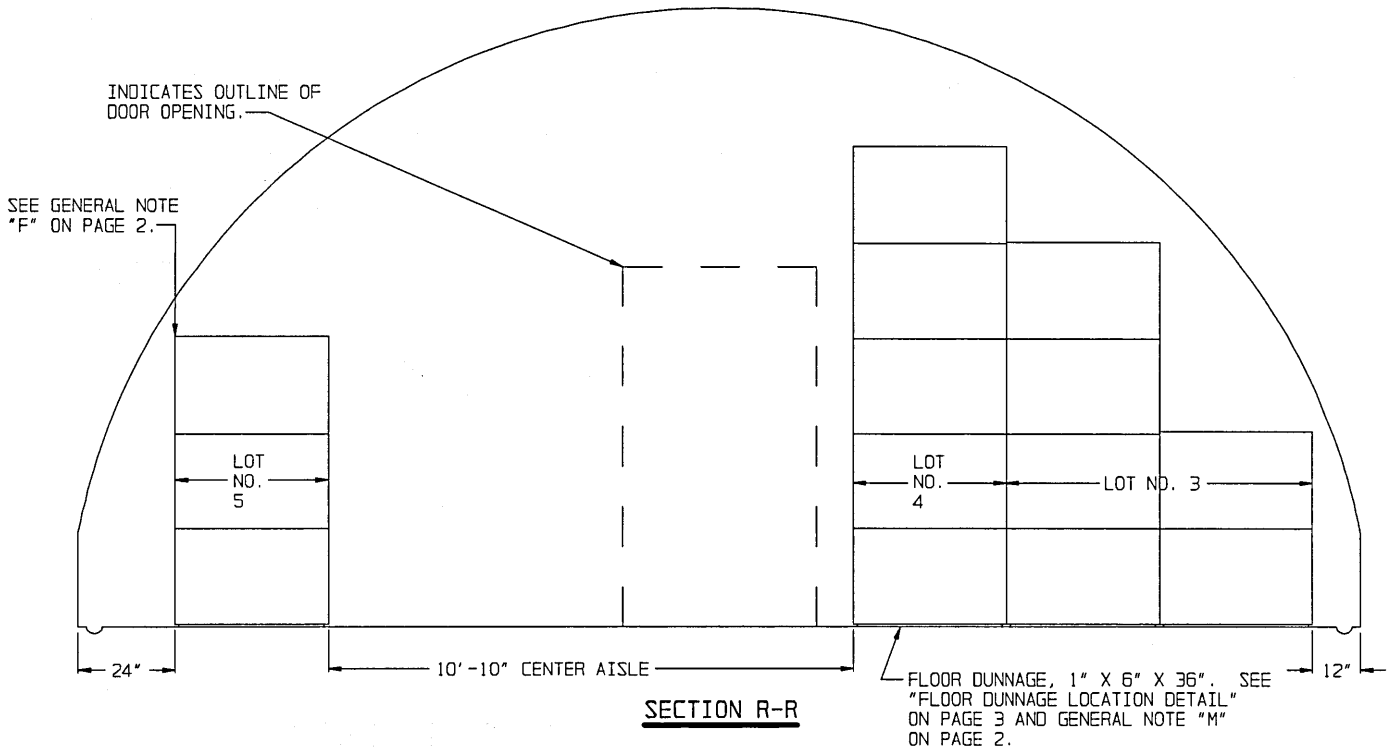
FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.

BILL OF MATERIAL (PER FIRST-LAYER PALLET UNIT) *	
1" X 6" DUNNAGE LUMBER	
LINEAR FEET	BOARD FEET
9.00	4.50

\* SEE GENERAL NOTES "M" AND "N" ON PAGE 2.



**PLAN VIEW**  
(81'-0" IGLOO MAGAZINE SHOWN)



**SECTION R-R**

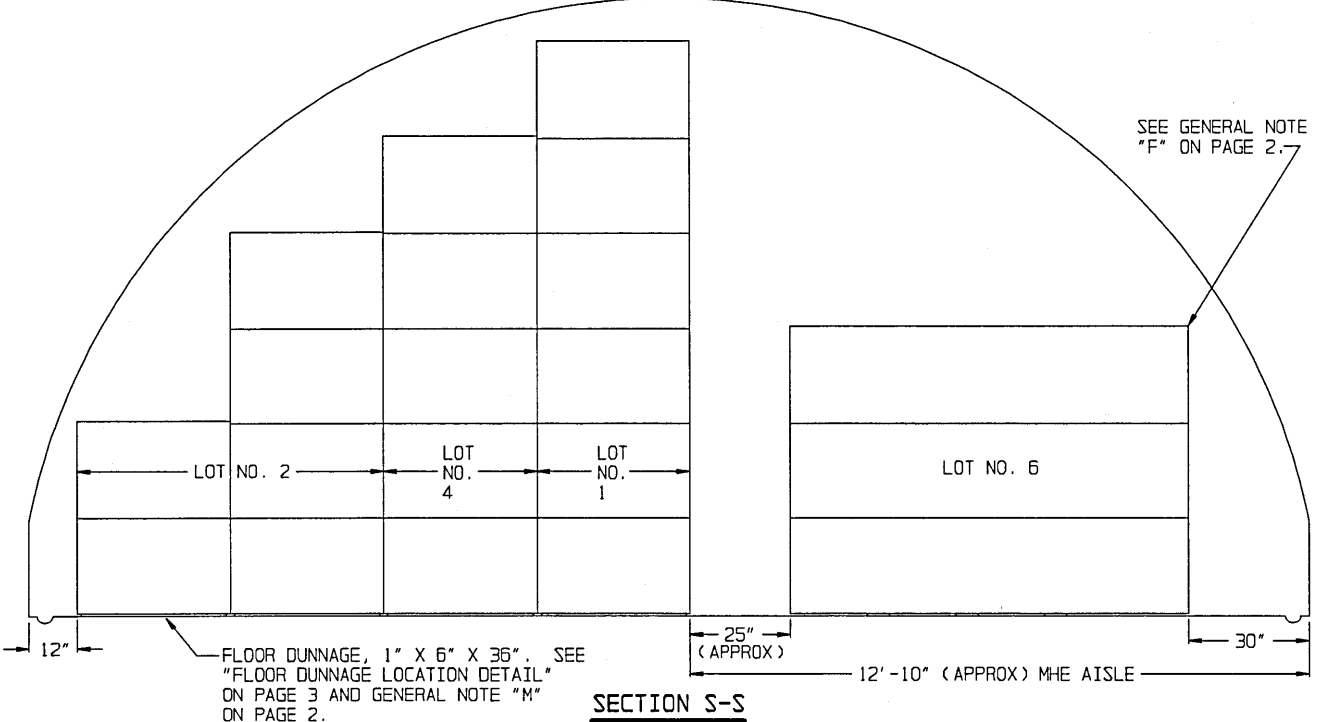
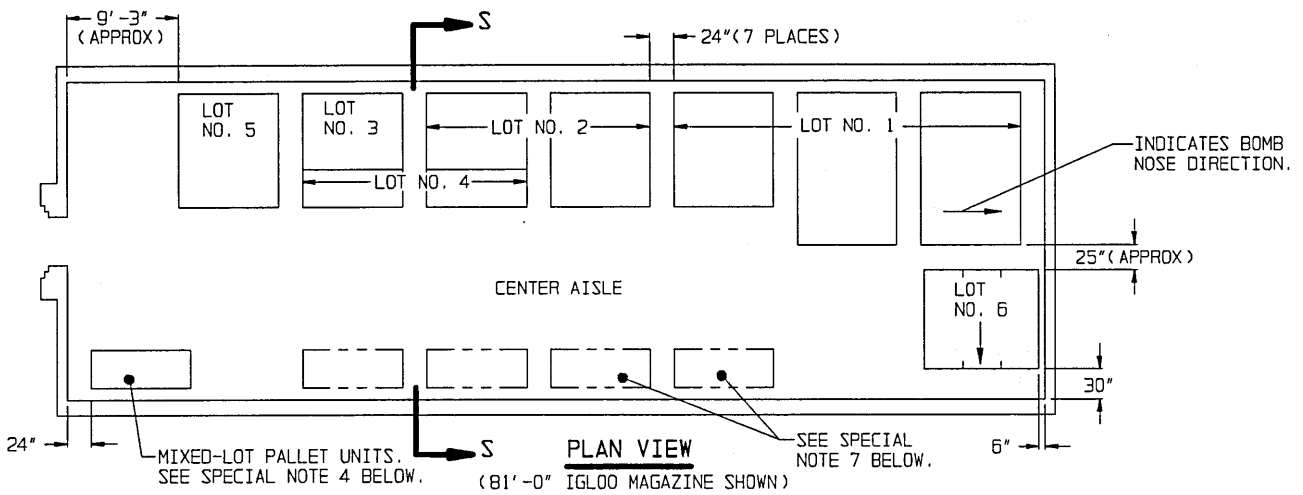
**SPECIAL NOTES:**

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY, AND APPLY TO RELATIVELY LARGE LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION AISLE NOT LESS THAN 16" WIDE MUST BE PROVIDED AT THE NOSE END AND AT THE BASE END OF THE BOMBS.
3. GENERALLY, THE LARGEST LOT SHOULD BE STORED IN THE REAR OF THE MAGAZINE. HOWEVER, THE REAR AREA MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING ROWS SIMILAR TO THOSE SHOWN IN THE FRONTAL AREA OR AS SHOWN BY DOTTED LINES. SINCE THE UNITS TO BE STORED HAVE ONLY 2-WAY ENTRY PALLETS, A CENTER AISLE WILL BE REQUIRED IN THE REAR TO THE EXTENT NECESSARY TO ASSURE ACCESS TO EACH LOT FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2.
4. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. A SINGLE-LOT OF PALLET UNITS IS CONSIDERED "ACCESSIBLE" IF NO MORE THAN TWELVE (12) PALLET UNITS OF ANOTHER LOT OR LOTS HAVE TO BE MOVED TO GAIN ACCESS TO THAT LOT.
5. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALLS WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.

(SPECIAL NOTES CONTINUED)

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**TYPICAL MULTIPLE-LOT STORAGE IN IGLOO AND ARCH TYPE MAGAZINES**



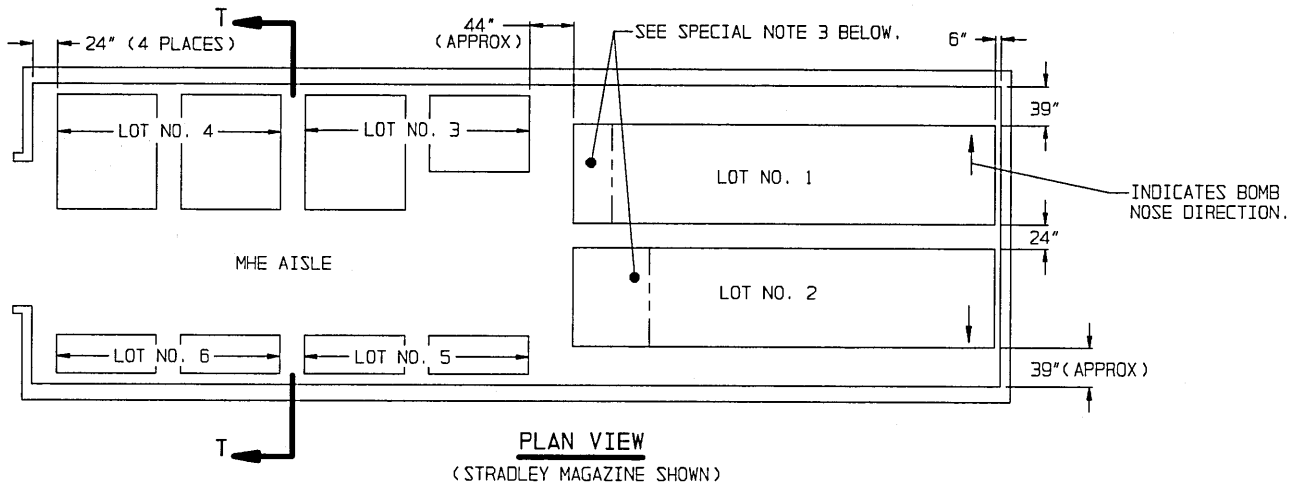
SPECIAL NOTES:

(SPECIAL NOTES CONTINUED)

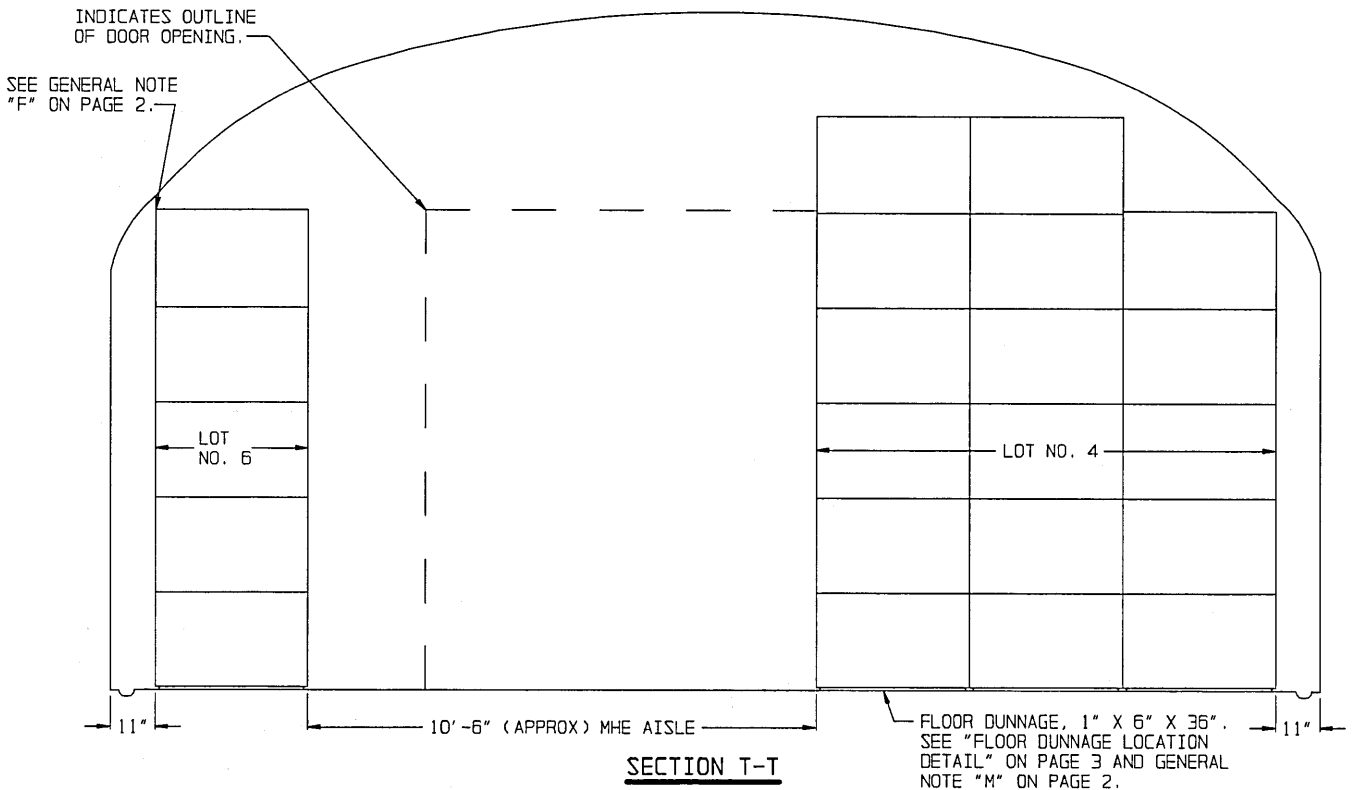
1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY, AND APPLY TO STORAGE OF NUMEROUS SMALL LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION AISLE NOT LESS THAN 16" WIDE MUST BE PROVIDED AT THE NOSE END AND AT THE BASE END OF THE BOMBS.
3. GENERALLY, THE LARGEST LOT SHOULD BE STORED IN THE REAR OF THE MAGAZINE. HOWEVER, THE REAR AREA MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING STACKS SIMILAR TO THOSE SHOWN IN THE FRONTAL AREA. AN MHE AISLE WILL BE REQUIRED ON ONE SIDE OF THE MAGAZINE, AND EACH LOT MUST BE ACCESSIBLE FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2.
4. A MIXED-LOT PALLET UNIT WILL HAVE TWO LOTS PER UNIT. HOWEVER, BOTH BOMBS AND LOTS WITHIN THE PALLET UNIT MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.
5. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. PALLET UNITS OF A SINGLE-LOT OR MIXED-LOT PALLET UNITS ARE CONSIDERED "ACCESSIBLE" IF NOT MORE THAN TWELVE (12) PALLET UNITS OF ANOTHER LOT OR LOTS HAVE TO BE MOVED TO GAIN ACCESS TO THE SINGLE-LOT OR MIXED-LOT UNITS.
6. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.
7. AREAS INCLOSED BY DOTTED LINES INDICATE LOCATIONS WHERE ADDITIONAL LOTS MAY BE STORED OR WHERE ADDITIONAL ITEMS MAY BE STORED, THAT ARE FROM THE LOT OR LOTS WHICH ARE DIRECTLY OR ALMOST DIRECTLY ACROSS THE CENTER AISLE ON THE OTHER SIDE OF THE MAGAZINE. COMPLIANCE WITH ALL OF THE MULTIPLE-LOT CRITERIA, AS SET FORTH ON THIS PAGE, MUST BE OBSERVED. THE SIZE OF THE LOTS BEING STORED AND THE CRITERIA OF SPECIAL NOTE 5, WILL BE MAJOR FACTORS IMPACTING ON THE NUMBER OF UNITS THAT CAN BE STORED IN AN "ADDITIONAL STORAGE LOCATION". MORE OR FEWER STACKS THAN SHOWN MAY BE STORED AT ANY ONE OF THE ADDITIONAL STORAGE LOCATIONS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON ONE SIDE OF A MAGAZINE AND AN "ADDITIONAL STORAGE LOCATION") IS TO BE AT LEAST 10'-6" WIDE FOR ACCESS TO EACH "ADDITIONAL LOCATION" BY FORKLIFT TRUCK. THIS OPERATING AREA IS BASED ON REQUIREMENTS OF FORKLIFT TRUCKS COMMONLY USED IN STORAGE MAGAZINES. THE MHE OPERATING AREA CAN BE ENLARGED AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS.

(CONTINUED AT RIGHT)

TYPICAL MULTIPLE-LOT STORAGE IN IGLOO AND ARCH TYPE MAGAZINES



PLAN VIEW  
(STRADLEY MAGAZINE SHOWN)



SECTION T-T

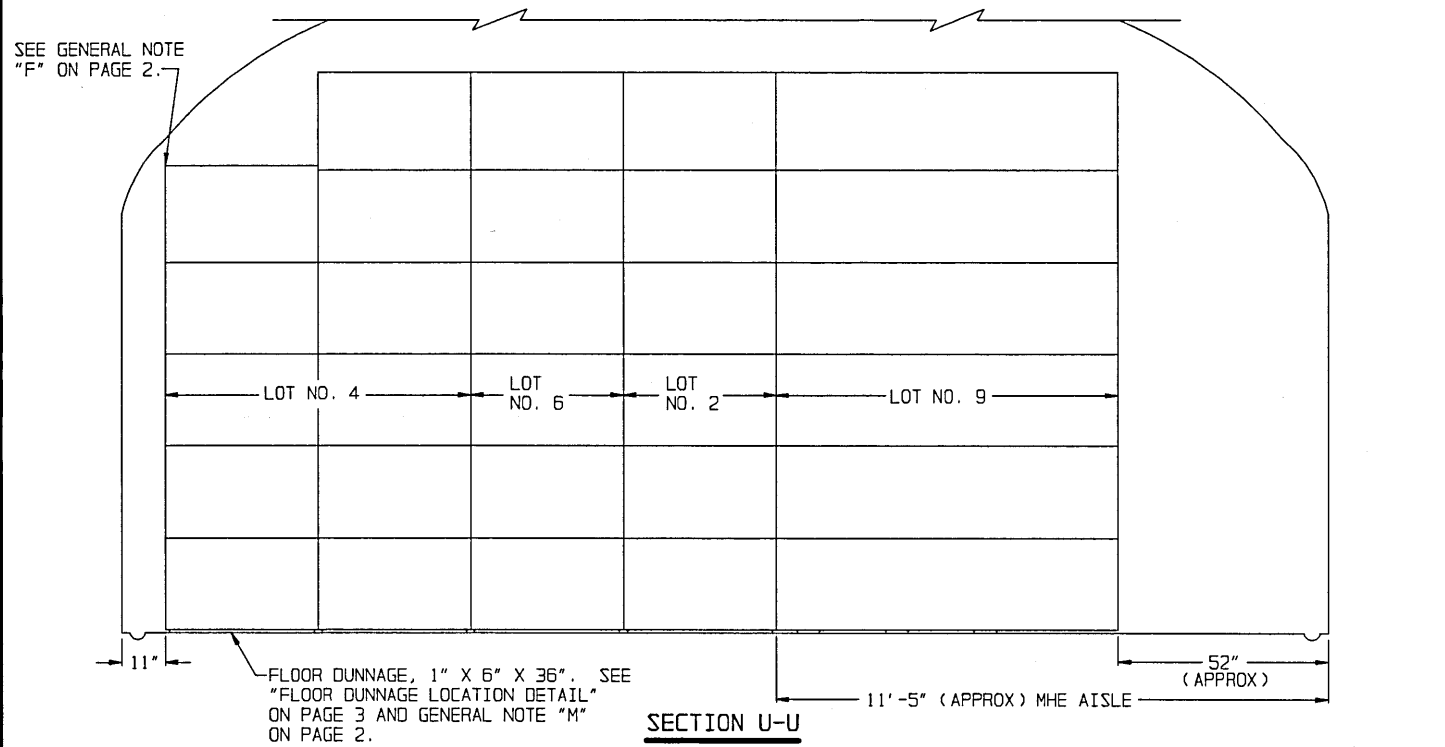
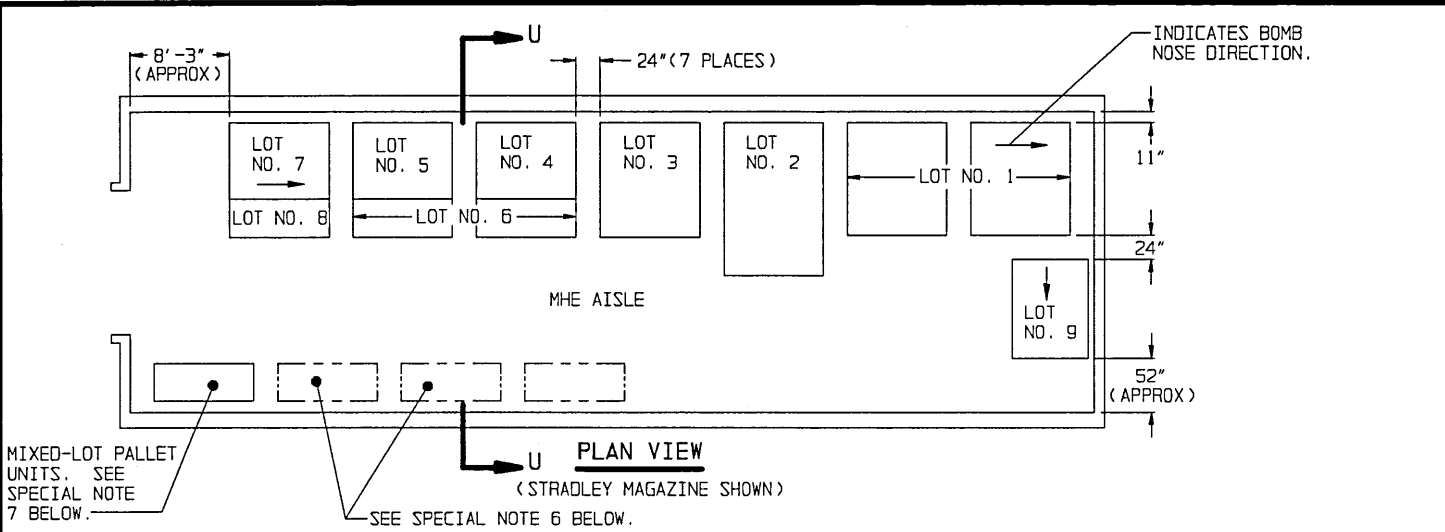
SPECIAL NOTES:

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY, AND APPLY TO RELATIVELY LARGE LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION AISLE NOT LESS THAN 16" WIDE MUST BE PROVIDED AT THE NOSE END AND AT THE BASE END OF THE BOMBS.
3. GENERALLY, THE LARGEST LOT SHOULD BE STORED IN THE REAR OF THE MAGAZINE. HOWEVER, THE REAR AREA MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING ROWS SIMILAR TO THOSE SHOWN IN THE FRONTAL AREA OR AS SHOWN BY DOTTED LINES. SINCE THE UNITS TO BE STORED HAVE ONLY 2-WAY ENTRY PALLETS, A CENTER AISLE WILL BE REQUIRED IN THE REAR AREA TO THE EXTENT NECESSARY TO ASSURE ACCESS TO EACH LOT FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2.
4. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. A SINGLE-LOT OF PALLET UNITS IS CONSIDERED "ACCESSIBLE" IF NOT MORE THAN TWELVE (12) PALLET UNITS OF ANOTHER LOT OR LOTS HAVE TO BE MOVED TO GAIN ACCESS TO THAT LOT.

(SPECIAL NOTES CONTINUED)

5. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.

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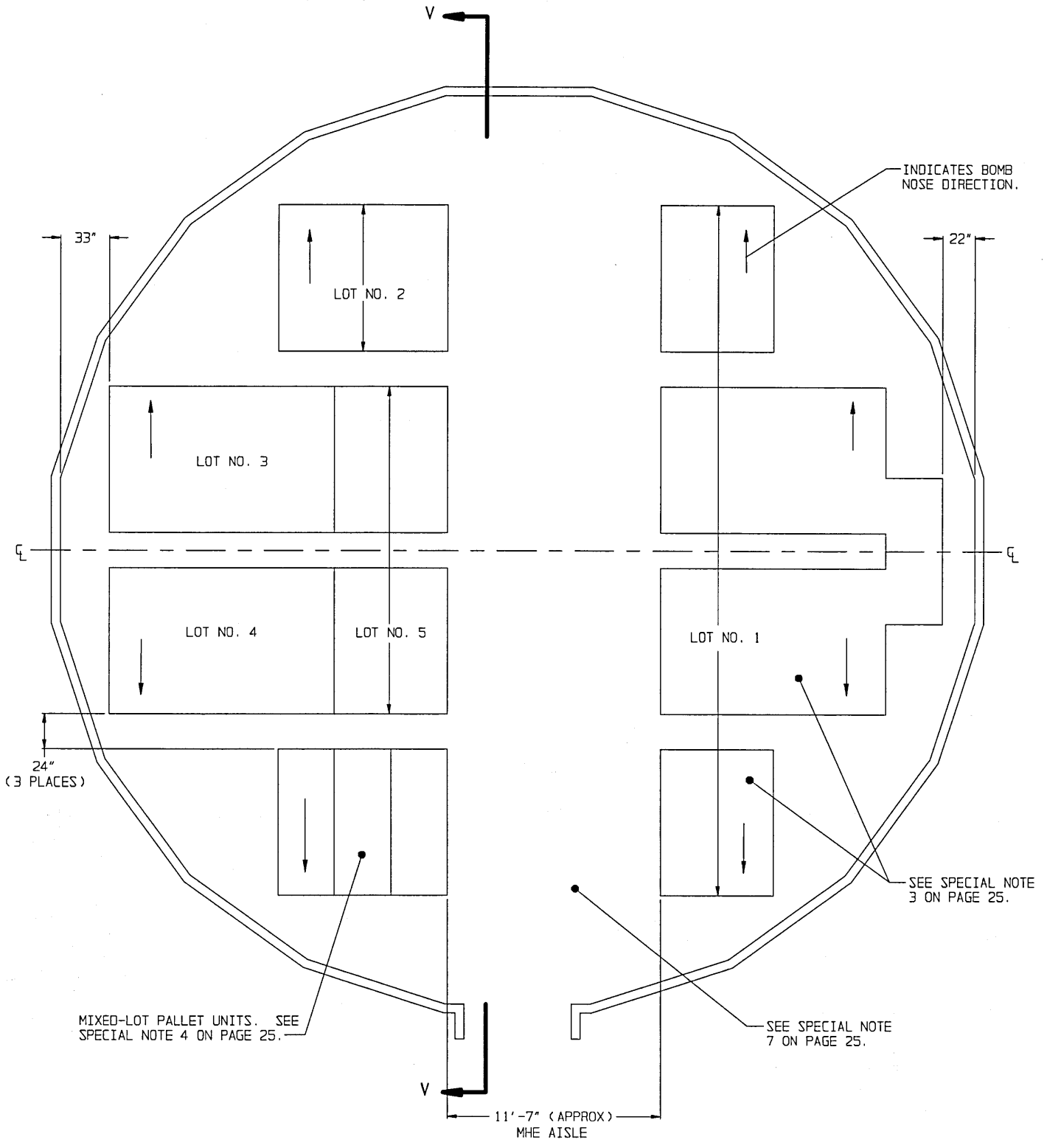
**SPECIAL NOTES:**

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY, AND APPLY TO STORAGE OF NUMEROUS SMALL LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
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3. GENERALLY, THE LARGEST LOT SHOULD BE STORED IN THE REAR OF THE MAGAZINE. HOWEVER, THE REAR AREA MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING STACKS SIMILAR TO THOSE SHOWN IN THE FRONTAL AREA. AN MHE AISLE WILL BE REQUIRED ON ONE SIDE OF THE MAGAZINE, AND EACH LOT MUST BE ACCESSIBLE FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2.
4. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. PALLET UNITS OF A SINGLE-LOT OR MIXED-LOT PALLET UNITS ARE CONSIDERED "ACCESSIBLE" IF NOT MORE THAN TWELVE (12) PALLET UNITS OF ANOTHER LOT OR LOTS HAVE TO BE MOVED TO GAIN ACCESS TO THE SINGLE-LOT OR MIXED-LOT UNITS.
5. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.

**(SPECIAL NOTES CONTINUED)**

6. AREAS INCLOSED BY DOTTED LINES INDICATE LOCATIONS WHERE ADDITIONAL LOTS MAY BE STORED OR WHERE ADDITIONAL ITEMS MAY BE STORED, THAT ARE FROM THE LOT OR LOTS WHICH ARE DIRECTLY OR ALMOST DIRECTLY ACROSS THE CENTER AISLE ON THE OTHER SIDE OF THE MAGAZINE. COMPLIANCE WITH ALL OF THE MULTIPLE-LOT CRITERIA AS SET FORTH ON THIS PAGE MUST BE OBSERVED. THE SIZE OF THE LOTS BEING STORED AND THE CRITERIA OF SPECIAL NOTE 4 WILL BE MAJOR FACTORS IMPACTING ON THE NUMBER OF UNITS THAT CAN BE STORED IN AN "ADDITIONAL STORAGE LOCATION". MORE OR FEWER STACKS THAN SHOWN MAY BE STORED AT ANY ONE OF THE ADDITIONAL STORAGE LOCATIONS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON ONE SIDE OF A MAGAZINE AND AN "ADDITIONAL STORAGE LOCATION") IS TO BE AT LEAST 10'-6" WIDE. FOR ACCESS TO EACH "ADDITIONAL LOCATION" BY FORKLIFT TRUCK. THIS OPERATING AREA IS BASED ON REQUIREMENTS OF FORKLIFT TRUCKS COMMONLY USED IN STORAGE MAGAZINES. THE MHE OPERATING AREA CAN BE ENLARGED AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS.
7. A MIXED-LOT PALLET UNIT WILL HAVE TWO LOTS PER UNIT. HOWEVER, BOTH BOMBS AND LOTS WITHIN THE PALLET UNIT MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.

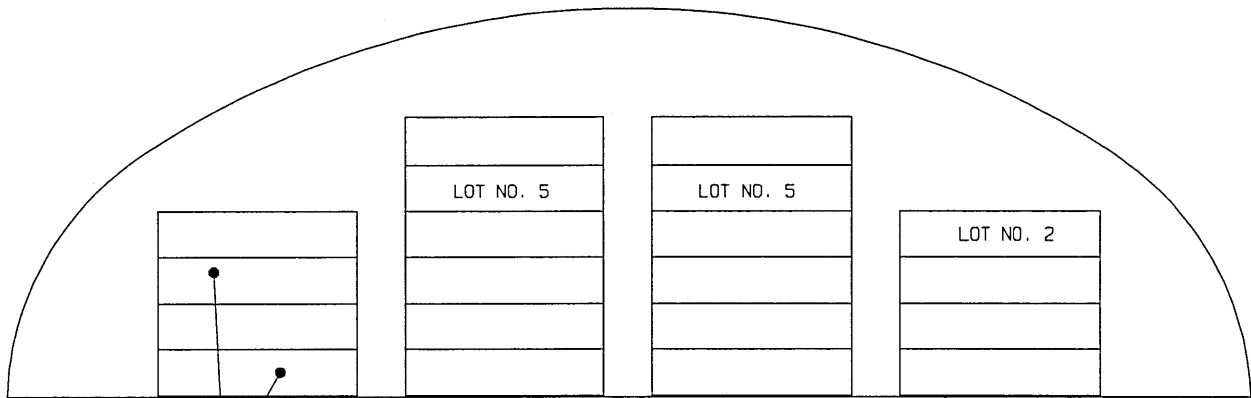
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**PLAN VIEW**  
(52'-0" DIA MAGAZINE)

**TYPICAL MULTIPLE-LOT STORAGE IN CORBETTA MAGAZINE**





MIXED-LOT PALLET UNITS.  
SEE SPECIAL NOTE 4 BELOW.

24" (3 PLACES)  
SEE SPECIAL NOTE 2 BELOW.

FLOOR DUNNAGE, 1" X 6" X 36".  
SEE "FLOOR DUNNAGE LOCATION  
DETAIL" ON PAGE 3 AND GENERAL  
NOTE "M" ON PAGE 2.

### SECTION V-V

#### SPECIAL NOTES:

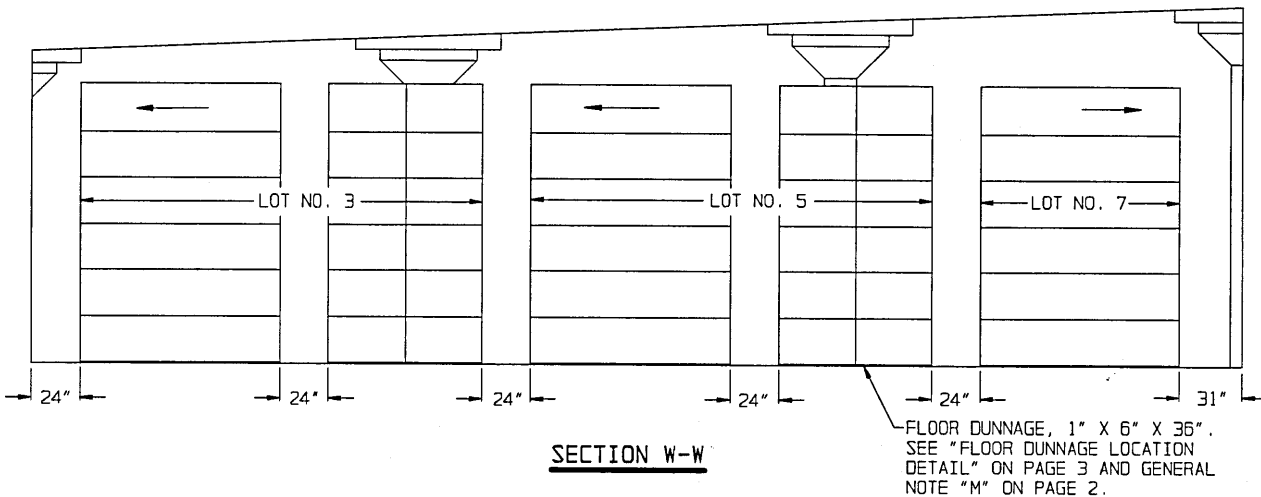
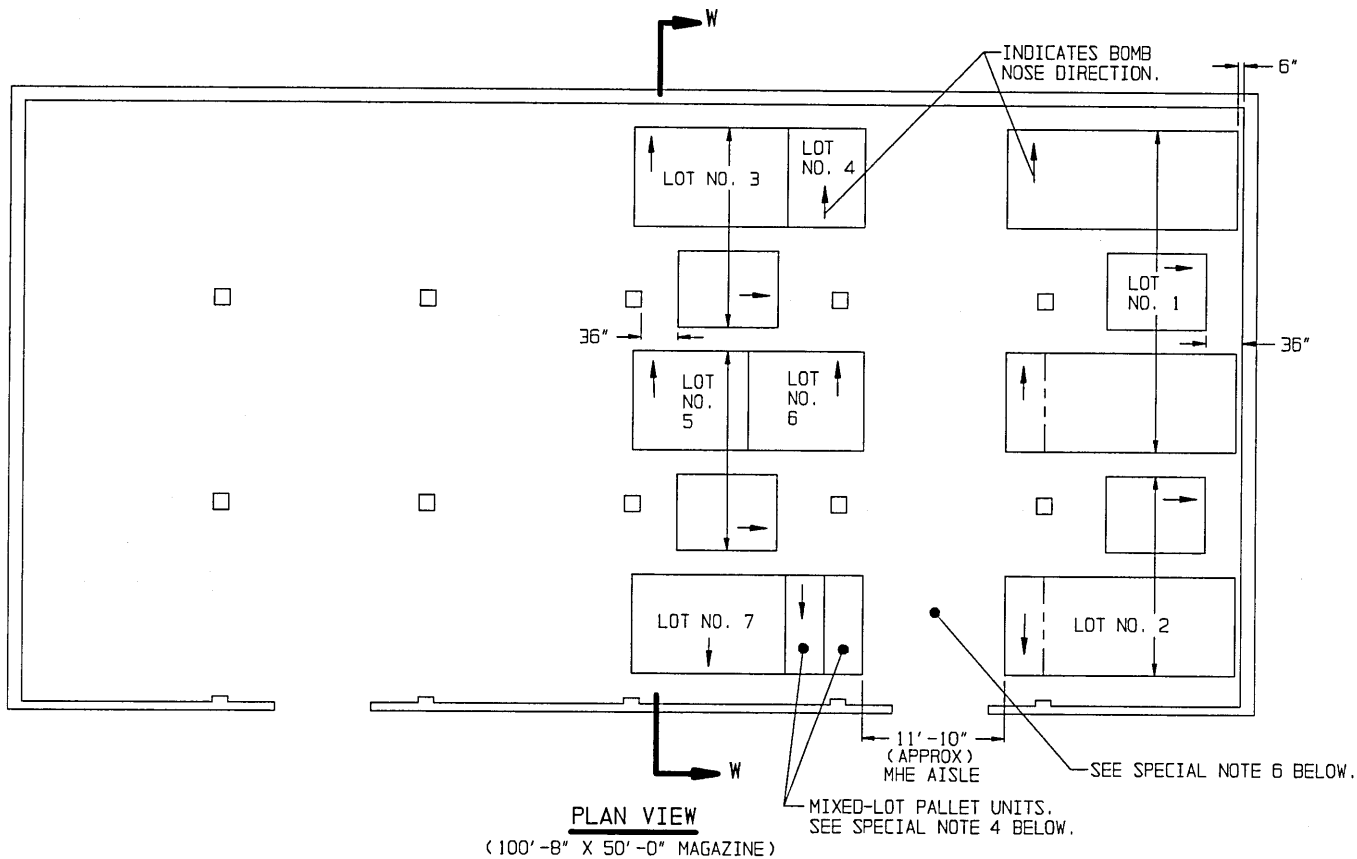
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2. AN INSPECTION AISLE NOT LESS THAN 16" WIDE MUST BE PROVIDED AT THE NOSE END AND AT THE BASE END OF THE BOMBS.
3. GENERALLY, THE LARGEST LOT SHOULD BE STORED ON ONE SIDE OF THE MAGAZINE. HOWEVER, BOTH SIDES MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING ROWS SIMILAR TO THOSE SHOWN ON THE LEFT SIDE. EACH ADDITIONAL LOT MUST BE ACCESSIBLE FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2.
4. A MIXED-LOT PALLET UNIT WILL HAVE TWO LOTS PER UNIT. HOWEVER, BOTH BOMBS AND LOTS WITHIN THE PALLET UNIT MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.
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6. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE WALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.
7. THE MHE AISLE MAY BE USED TO STORE ONE OR MORE STACKS OF ADDITIONAL LOTS OR ADDITIONAL ITEMS THAT ARE FROM A LOT ADJACENT TO THE MHE AISLE. THIS ADDITIONAL STORAGE IS TO BE ARRANGED IN A MANNER SIMILAR TO ARRANGEMENTS DEPICTED ON PAGES 21 AND 23 FOR THE "ADDITIONAL STORAGE LOCATIONS" (SHOWN BY DOTTED LINES). ADEQUATE SPACE FOR MHE OPERATION, AS DESCRIBED ON PAGES 21 AND 23, MUST BE MADE AVAILABLE FOR ADDITIONAL STORAGE. ALSO, COMPLIANCE WITH ALL OF THE MULTIPLE-LOT CRITERIA AS SET FORTH ON THIS PAGE MUST BE OBSERVED.

TYPICAL MULTIPLE-LOT STORAGE IN CORBETTA MAGAZINE

PAGE 25

PROJECT FSA 81-67

DRAWING 19-48-4093



**SPECIAL NOTES:**

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ARE TYPICAL ONLY. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
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3. GENERALLY, THE LARGEST LOT SHOULD BE STORED IN THE REAR OR ON ONE SIDE OF THE MAGAZINE. HOWEVER, THESE AREAS MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING ROWS SIMILAR TO THOSE SHOWN IN THE CENTER AREA OR AS TYPICALLY INDICATED BY DOTTED LINES. EACH ADDITIONAL LOT MUST BE ACCESSIBLE FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2.
4. A MIXED-LOT PALLET UNIT WILL HAVE TWO LOTS PER UNIT. HOWEVER, BOTH BOMBS AND LOTS WITHIN THE PALLET UNIT MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.

(SPECIAL NOTES CONTINUED)

5. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. PALLET UNITS OF A SINGLE-LOT OR MIXED-LOT PALLET UNITS ARE CONSIDERED "ACCESSIBLE" IF NO MORE THAN TWENTY-FOUR (24) PALLET UNITS OF ANOTHER LOT OR LOTS HAVE TO BE MOVED TO GAIN ACCESS TO THE SINGLE-LOT OR MIXED-LOT UNITS.
6. THE MHE AISLE MAY BE USED TO STORE ONE OR MORE STACKS OF ADDITIONAL LOTS OR ADDITIONAL ITEMS THAT ARE FROM A LOT ADJACENT TO THE MHE AISLE. THIS ADDITIONAL STORAGE IS TO BE ARRANGED IN A MANNER SIMILAR TO ARRANGEMENTS DEPICTED ON PAGES 21 AND 23 FOR THE "ADDITIONAL STORAGE LOCATIONS" (SHOWN BY DOTTED LINES). ADEQUATE SPACE FOR MHE OPERATION, AS DESCRIBED ON PAGES 21 AND 23, MUST BE MADE AVAILABLE FOR THE ADDITIONAL STORAGE. ALSO, COMPLIANCE WITH ALL OF THE MULTIPLE-LOT CRITERIA AS SET FORTH ON THIS PAGE MUST BE OBSERVED.

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