

# STORAGE IN APPROVED MAGAZINES OF COMPLETE ROUNDS \*PACKED IN CYLINDRICAL METAL CONTAINERS AND UNITIZED ON A 28" X 56" METAL PALLET

## PA113 SERIES CONTAINER

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\* STORAGE PROCEDURES  
CONTAINED WITHIN  
THIS DRAWING APPLY  
TO THE VOLCANO  
MINE SYSTEM.

U.S. ARMY MATERIEL COMMAND DRAWING			
APPROVED, U.S. ARMY INDUSTRIAL OPERATIONS COMMAND <i>David A. Piskorik</i> AMSTA-AR-ESK	DRAFTSMAN	INGEBORG DEPPE	
APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND <i>William F. Ernst</i> DEFENSE AMMUNITION CENTER	ENGINEER	M. DAEUMER	
	SUPPLY ENGINEERING DIVISION	<i>Thomas J. Michels</i>	
	LOGISTICS ENGINEERING OFFICE	<i>William F. Ernst</i>	
JANUARY 1990			
	CLASS	DIVISION	DRAWING
REVISION NO. 2	19	48	4145/ 16A
SEE THE REVISION LISTING ON PAGE 2.	1-3-4-14- 22PM1003		
	FILE		

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 DEPICTED HEREIN 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 COMPLETE ROUND 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. THE STORAGE PROCEDURES SPECIFIED HEREIN ARE APPLICABLE FOR THE VOLCANO MINE PACKED IN THE PA113 SERIES CONTAINER AND UNITIZED ON A 28" LONG BY 56" WIDE METAL PALLET WITH COVER. SUBSEQUENT REFERENCE TO PALLET UNIT MEANS THE PALLET UNIT WITH AMMUNITION ITEMS.
- D. FOR DETAILS OF THE PALLET UNIT, REFER TO U.S. ARMY AMC DRAWING 19-48-4231/81-20PM1006 AND THE PICTORIAL VIEW ON PAGE 3.
- 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. 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. THE MATERIAL HANDLING EQUIPMENT (MHE) AREA SHOULD BE OF SUFFICIENT DIMENSION TO PERMIT "TURN-AROUND" OF MHE WHEN STORING IN MAGAZINE NOT EQUIPPED WITH PROPERLY SIZED APRONS FOR THAT PURPOSE. THE MHE AISLE IN ALL MAGAZINES IS BASED ON A FIGURE WHICH IS AT LEAST 7'-7" PLUS THE LENGTH OR WIDTH OF THE PALLET UNIT, AS APPLICABLE, OR THE LENGTH OF THE FORKLIFT TINES (40"), WHICHEVER IS THE GREATEST. IF THE AVAILABLE MHE PERMITS, ADDITIONAL PALLET UNITS MAY BE STORED WITHIN THE MHE AREA AND/OR OTHER AVAILABLE AREA IN THE MAGAZINE.
- L. 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.
- M. 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.
- N. CONVERSION TO METRIC EQUIVALENTS: DIMENSIONS WITHIN THIS DOCUMENT ARE EXPRESSED IN INCHES, AND WEIGHTS ARE EXPRESSED IN POUNDS. WHEN NECESSARY, THE METRIC EQUIVALENT MAY BE COMPUTED ON THE BASIS OF ONE INCH EQUALS 25.4 MM, AND ONE POUND EQUALS 0.454 KG.

(CONTINUED AT RIGHT).

## MATERIAL SPECIFICATIONS

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

## (GENERAL NOTES CONTINUED)

- O. STORAGE OF MULTIPLE LOTS IN A MAGAZINE WILL REQUIRE CAREFUL PREPLANNING SO AS TO INSURE MHE 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 26 THRU 34.
- P. ALTHOUGH SPECIFIC PROCEDURES ARE INCLUDED IN THIS DRAWING FOR STORING MULTIPLE LOTS WITHIN ONE STRUCTURE, THE BASIC STORAGE PATTERN AS SHOWN ON PAGES 4 THRU 25 CAN ALSO BE ADAPTED FOR THE STORING OF MORE THAN ONE LOT. LOTS WHEN STORED IN ACCORDANCE WITH A BASIC STORAGE PATTERN MAY BE STORED WITH ONE OR MORE ROWS USED FOR EACH LOT. A SPACE OF APPROXIMATELY 1" WILL HAVE TO BE LEFT BETWEEN ADJACENT ROWS CONTAINING DIFFERENT LOTS. IN BASIC STORAGE PATTERNS WHERE THE WIDTH OF A ROW IS ESTABLISHED BY THE 59" UNIT DIMENSION, EACH ROW MAY BE A DIFFERENT LOT AND BE READILY REMOVABLE. IN BASIC STORAGE PATTERNS WHERE THE WIDTH OF A ROW IS ESTABLISHED BY THE 28" UNIT DIMENSION, A LOT MUST CONSIST OF TWO OR MORE ROWS TO PROVIDE ADEQUATE SPACE TO ACCOMMODATE THE WIDTH OF A FORKLIFT TRUCK FOR STORING OR REMOVING THE LOT. HOWEVER, WHEN THE SIZE OF A LOT REQUIRES THE SPACE OF ONLY ONE ROW, IT IS PERMISSIBLE TO STORE THAT LOT WITH THE 59" DIMENSION ESTABLISHING THE WIDTH OF THAT ROW, PROVIDING THE STORAGE PRINCIPLES SPECIFIED ARE FOLLOWED AS CLOSELY AS POSSIBLE. THE 1" SPACE BETWEEN LOTS, AS STATED ABOVE, WILL NOT BE EXCEEDED SOLELY TO ACCOMMODATE THE WIDTH OF A FORKLIFT TRUCK. FOR ADDITIONAL REQUIREMENTS AND GUIDANCE, SEE THE SPECIAL NOTES FOR MULTIPLE LOT STORAGE ON PAGES 26 THRU 34.
- Q. ANY "LIGHT" PALLET UNIT THAT DOES NOT CONTAIN A FULL QUANTITY OF ROUNDS WILL NOT BE BURIED IN STORAGE. IT MUST BE POSITIONED ADJACENT TO AN AISLE, PREFERABLY IN FRONT OF THE LOT.
- R. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS, HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- S. A PRODUCTION OR STORAGE FACILITY IS AUTHORIZED TO HAVE ONE INCOMPLETE, UN-BANDED PARTIAL UNIT LOAD PER LOT IN A STORAGE STRUCTURE. PRIOR TO SHIPMENT OF A PARTIAL UNIT, A LAYER MUST BE COMPLETED, IF APPLICABLE, BY THE POSITIONING OF ONE OR MORE FILLERS AS DELINEATED BY DRAWING 19-48-4231/81-20PM1006 THE UNIT MUST THEN BE REBANDED WITH THE SAME SIZE AND QUANTITY OF STRAPS AS THE ORIGINAL UNIT.
- T. WHEN LOCAL STORAGE CONDITIONS ARE SUCH THAT AN AMMUNITION STORAGE MAGAZINE NET EXPLOSIVE WEIGHT LIMIT WILL BE REACHED BEFORE ALL AVAILABLE STORAGE SPACE WILL BE UTILIZED, A COMBINATION OF THE VARIOUS STORAGE PATTERNS DELINEATED HEREIN MAY BE USED IN LIEU OF BLOCK STORAGE PATTERNS TO FACILITATE INVENTORY, INSPECTION, THE USE OF MATERIALS HANDLING EQUIPMENT, SURVEILLANCE, ETC., OF THE AMMUNITION TO BE STORED WITHIN THE MAGAZINE.
- U. PALLET UNITS PRESENTLY STORED IN ACCORDANCE WITH A PREVIOUSLY APPROVED DRAWING NEED NOT BE RE-STORED SOLELY TO COMPLY WITH THE PROCEDURES SPECIFIED HEREIN.

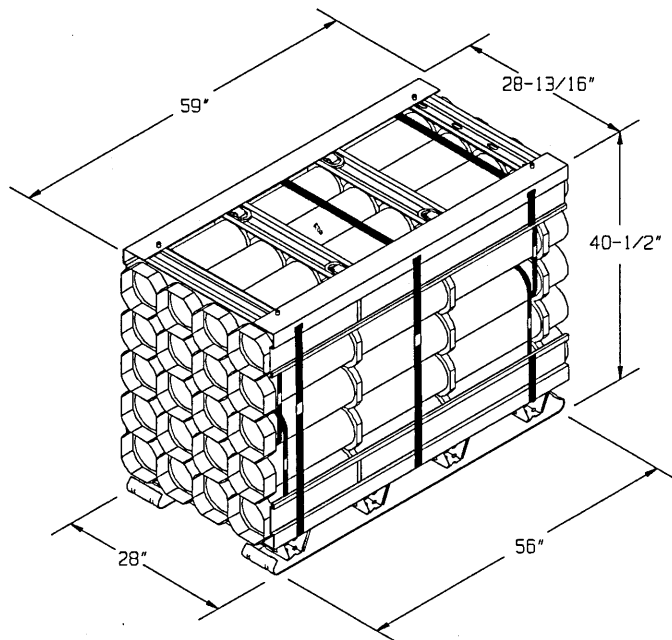
## REVISIONS

REVISION NO. 1, DATED OCTOBER 1995, CONSISTS OF:

1. CONVERTING TO CAD.

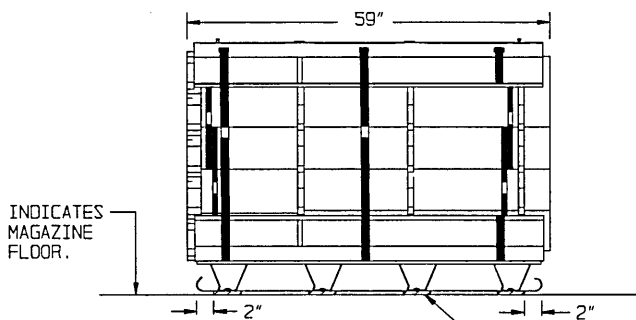
REVISION NO. 2, DATED DECEMBER 1996, CONSISTS OF:

1. UPDATING PALLET UNIT DETAIL TO SHOW INCREASED DIMENSIONS, WEIGHT AND CUBE.
2. REVISING STORAGE PROCEDURES AND ADJUSTING STORAGE QUANTITIES AS NECESSARY.
3. ADDING GENERAL NOTE "U".



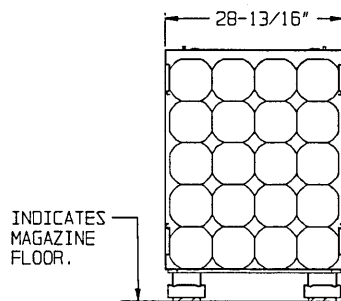
**PA113 CONTAINER, 20/PALLET**

UNIT WEIGHT ----- 1,938 POUNDS (APPROX)  
 CUBE ----- 39.8 CUBIC FEET (APPROX)



**FLOOR DUNNAGE LOCATION**

FLOOR DUNNAGE,  
 1" X 6" X 28"  
 (4 REOD PER FIRST  
 LAYER PALLET UNIT).



**ALTERNATIVE FLOOR DUNNAGE LOCATION**

FLOOR DUNNAGE,  
 1" X 6" X 56"  
 (2 REOD PER FIRST  
 LAYER PALLET UNIT).

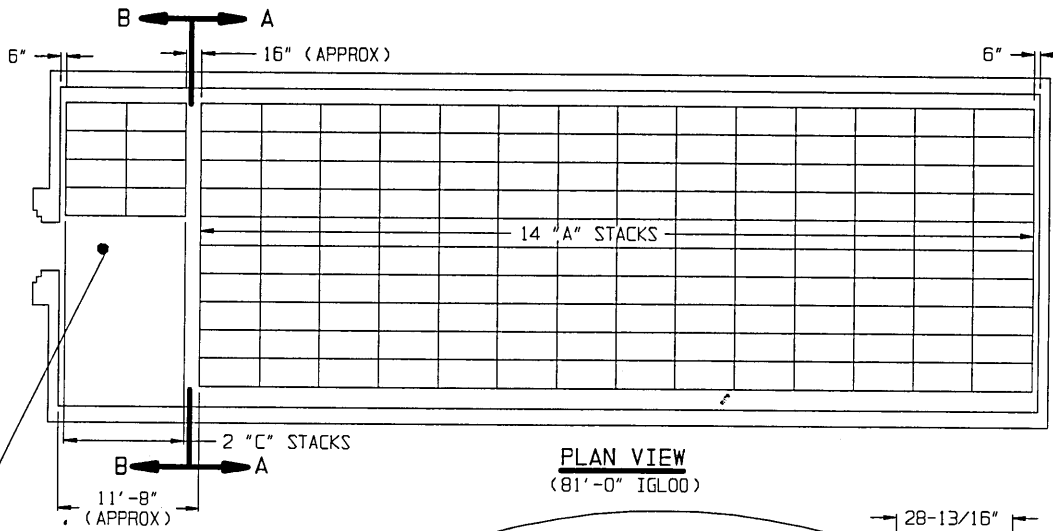
ISOMETRIC VIEWS WITHIN THIS DRAWING DO NOT DEPICT ALL FLOOR DUNNAGE THAT IS REQUIRED WHEN FLOOR DUNNAGE IS USED. FLOOR DUNNAGE IS SHOWN AT SOME LOCATIONS TO PROVIDE POSITIONING GUIDANCE.

**DETAILS**

**STORAGE IN 81'-0" IGLOO**

(12'-9" HIGH)

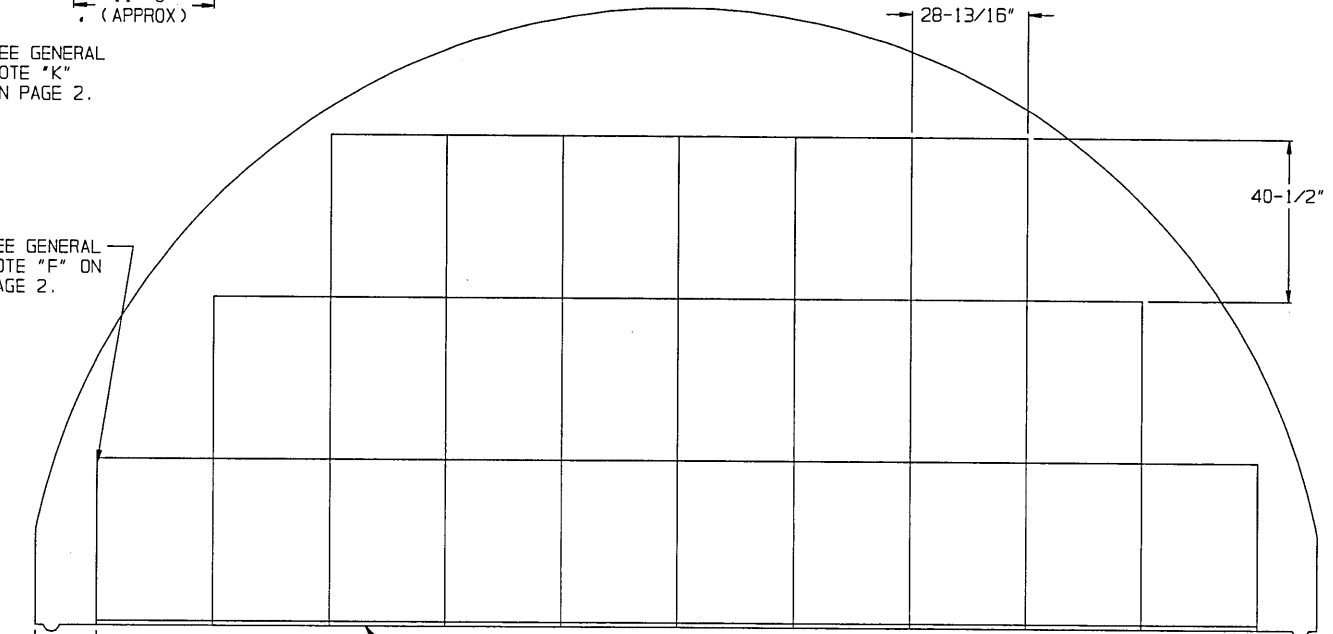
ITEM	QUANTITY
PALLET UNITS- - - -	354
CONTAINERS- - - -	7,080



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

SEE GENERAL NOTE "K" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.

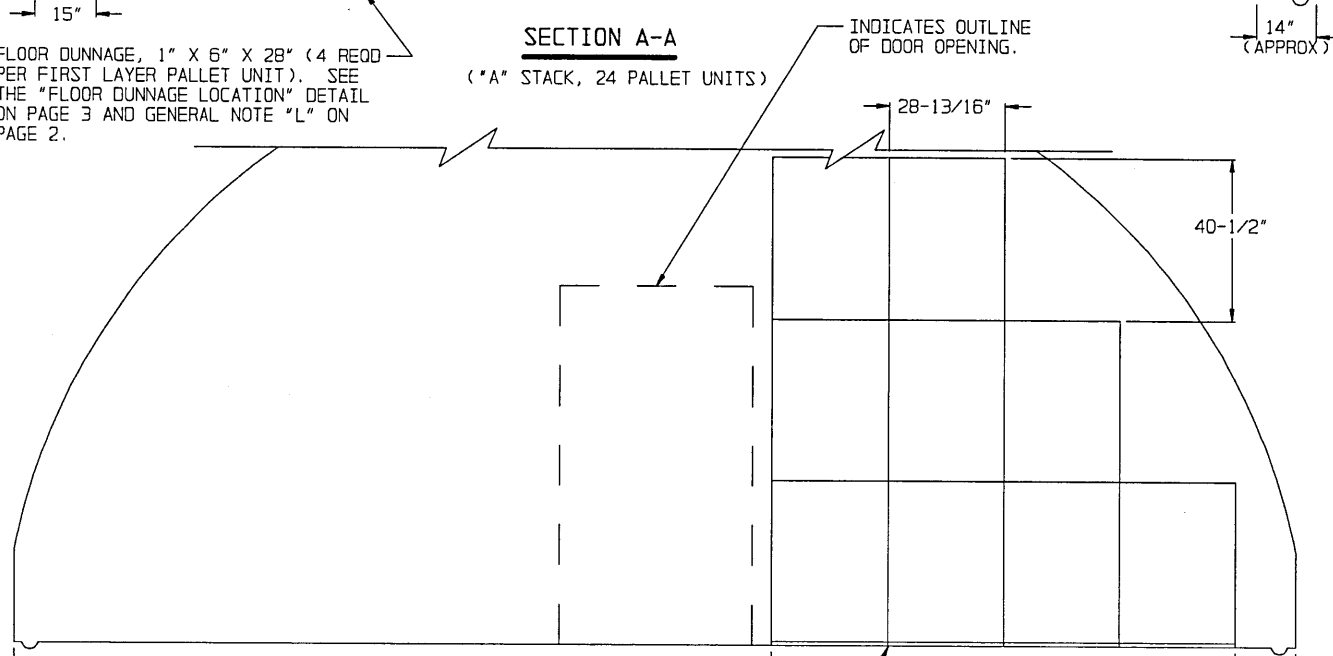


**SECTION A-A**

("A" STACK, 24 PALLET UNITS)

INDICATES OUTLINE OF DOOR OPENING.

FLOOR DUNNAGE, 1" X 6" X 28" (4 REQD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.



**SECTION B-B**

("C" STACK, 9 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 28" (4 REQD PER FIRST LAYER PALLET UNIT).

**STORAGE IN 60'-8" IGLOO**

(12'-9" HIGH)

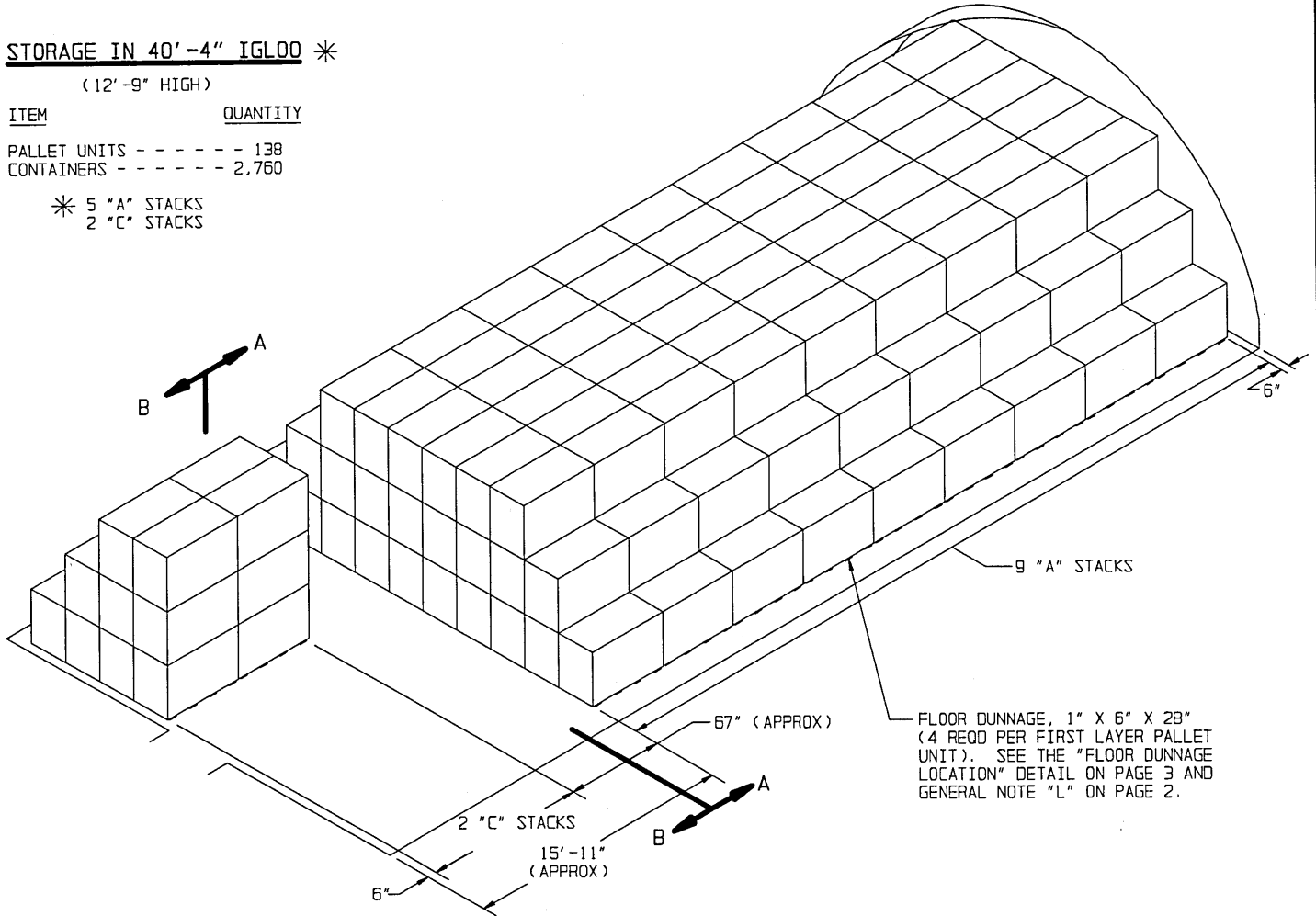
ITEM	QUANTITY
PALLET UNITS - - - - -	234
CONTAINERS - - - - -	4,680

**STORAGE IN 40'-4" IGLOO \***

(12'-9" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	138
CONTAINERS - - - - -	2,760

\* 5 "A" STACKS  
2 "C" STACKS



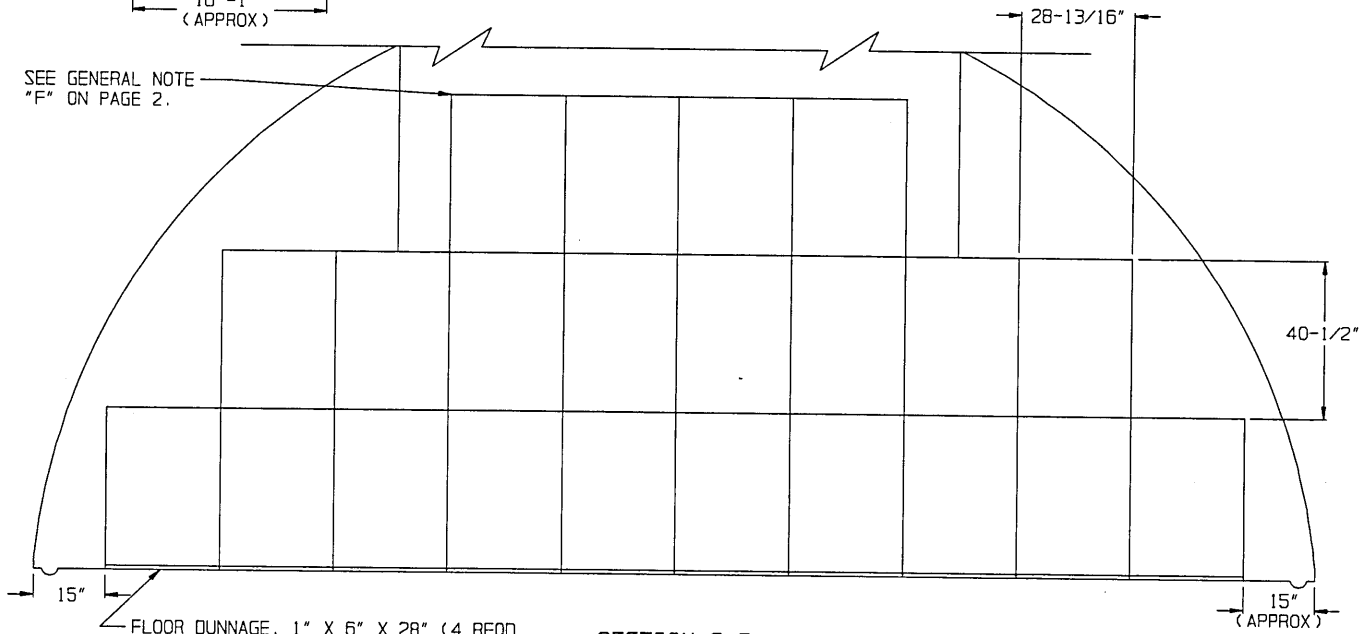
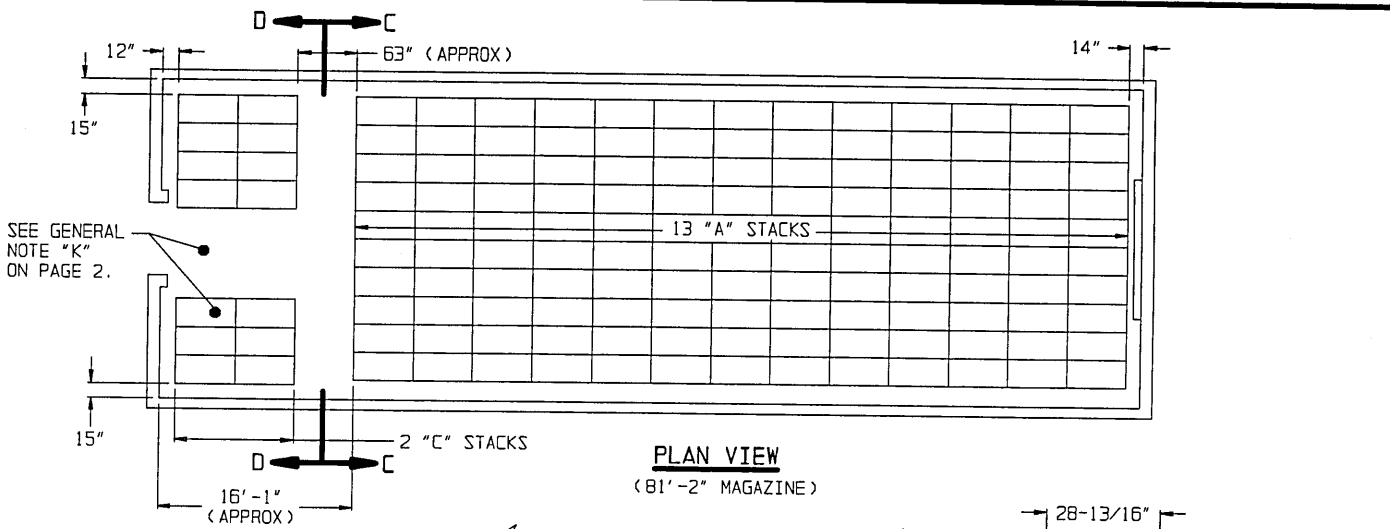
**ISOMETRIC VIEW**  
(60'-8" IGLOO)

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

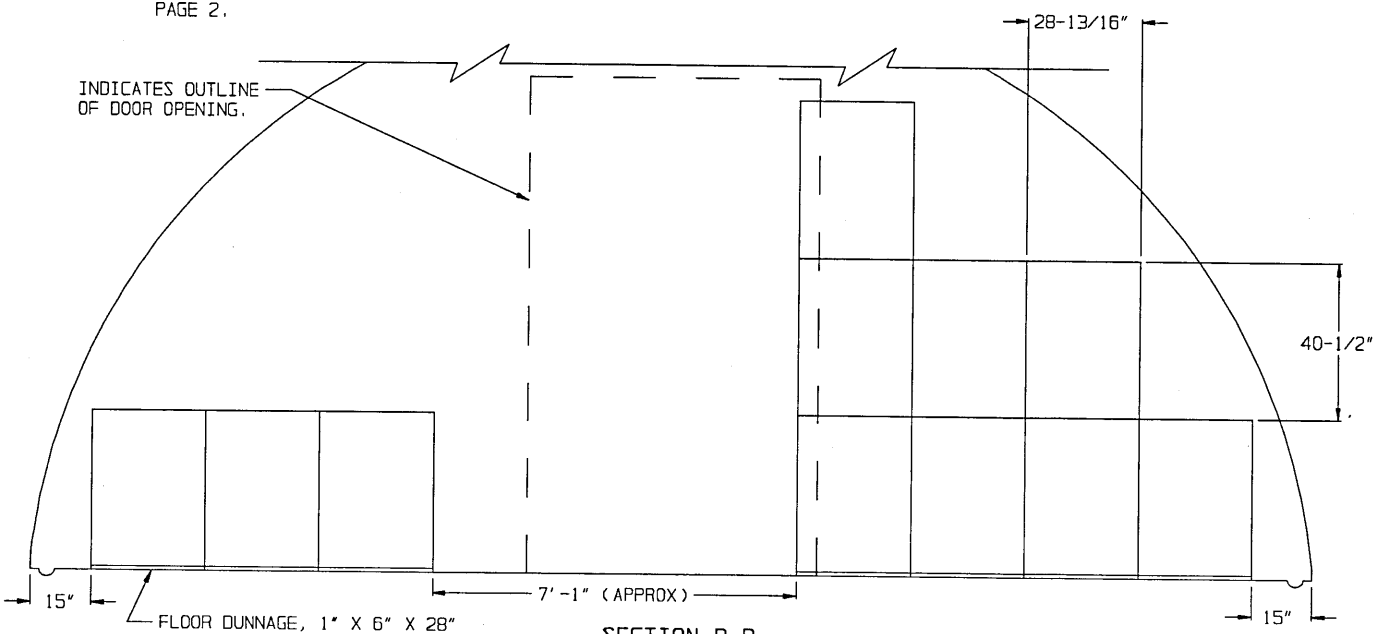
**BILL OF MATERIAL (PER FIRST LAYER PALLET UNIT)\***

LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.



FLOOR DUNNAGE, 1" X 6" X 28" (4 REOD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

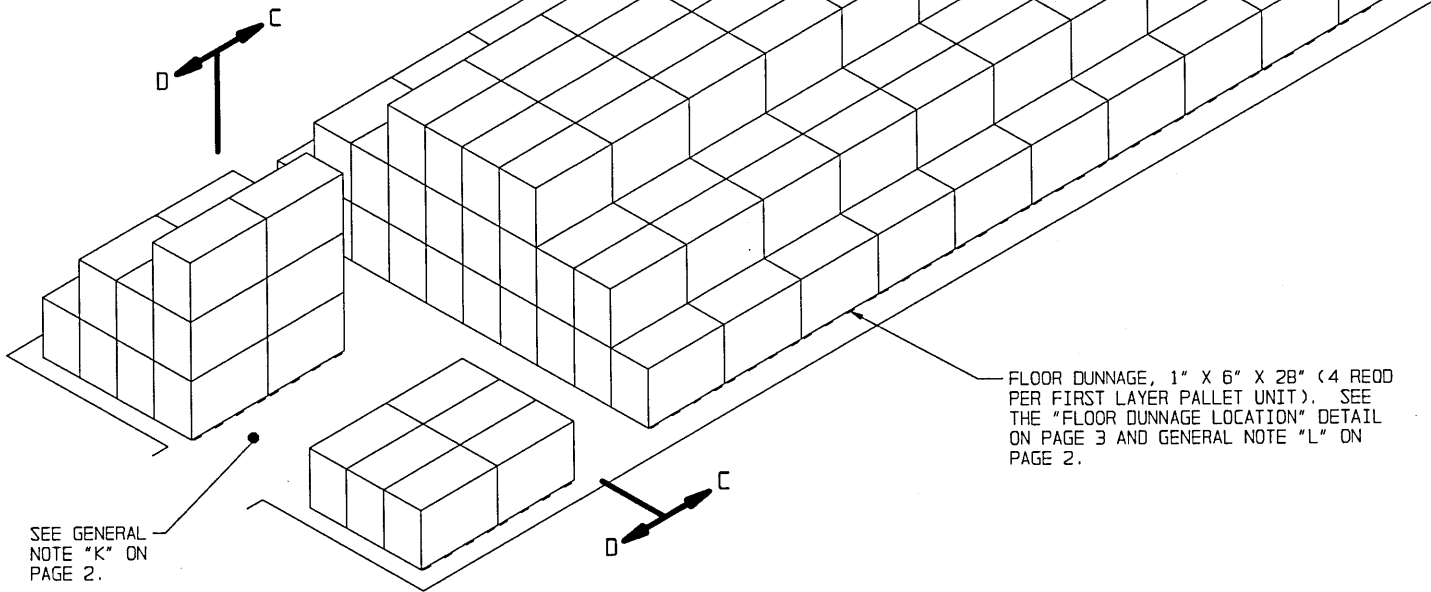


FLOOR DUNNAGE, 1" X 6" X 28" (4 REOD PER FIRST LAYER PALLET UNIT).

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

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

ITEM	QUANTITY
PALLET UNITS - - - - -	308
CONTAINERS - - - - -	6,160



SEE GENERAL NOTE "K" ON PAGE 2.

FLOOR DUNNAGE, 1" X 6" X 28" (4 REOD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

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

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

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

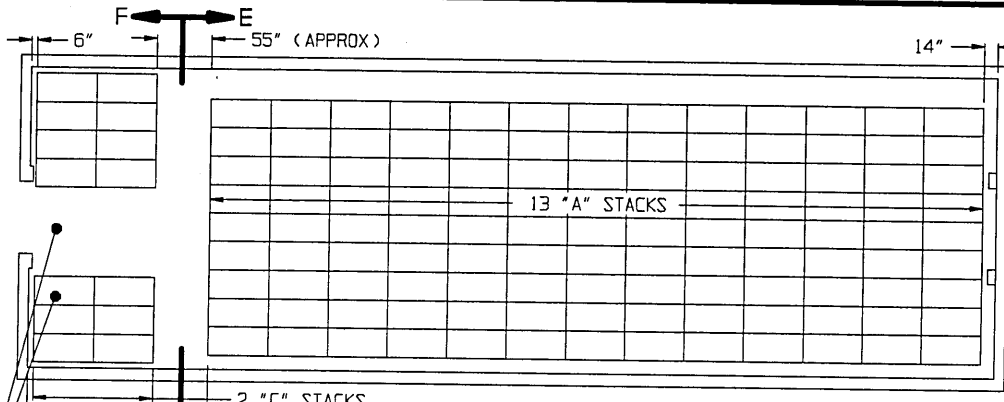
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.

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

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

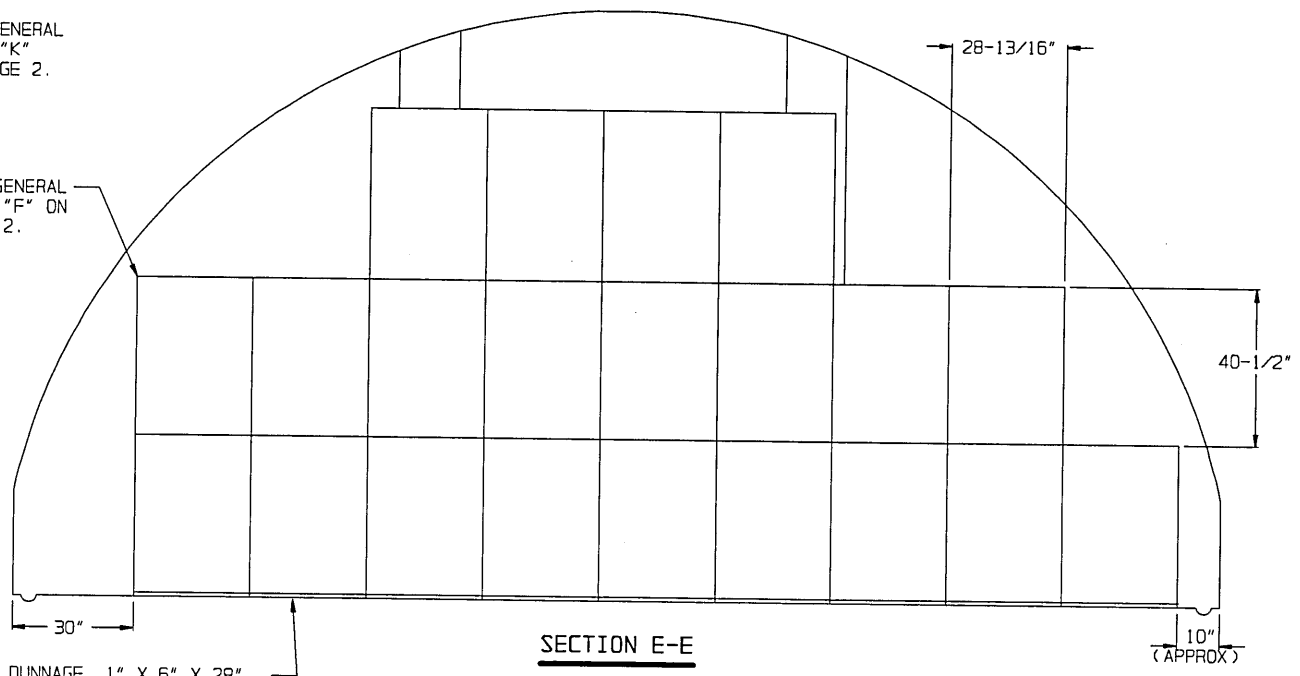
ITEM	QUANTITY
PALLET UNITS - - - -	295
CONTAINERS - - - -	5,900



**PLAN VIEW**  
(80'-0" MAGAZINE)

SEE GENERAL NOTE "K" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.

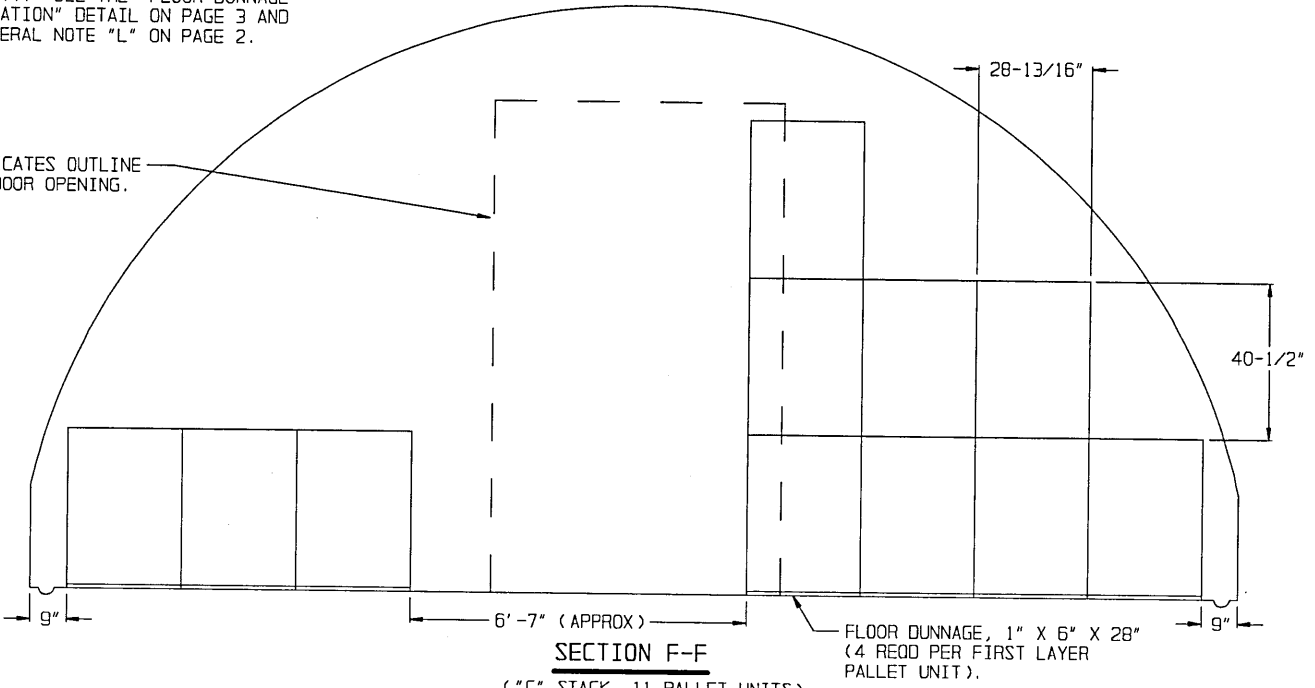


**SECTION E-E**

("A" STACK, 21 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.



**SECTION F-F**

("C" STACK, 11 PALLET UNITS)

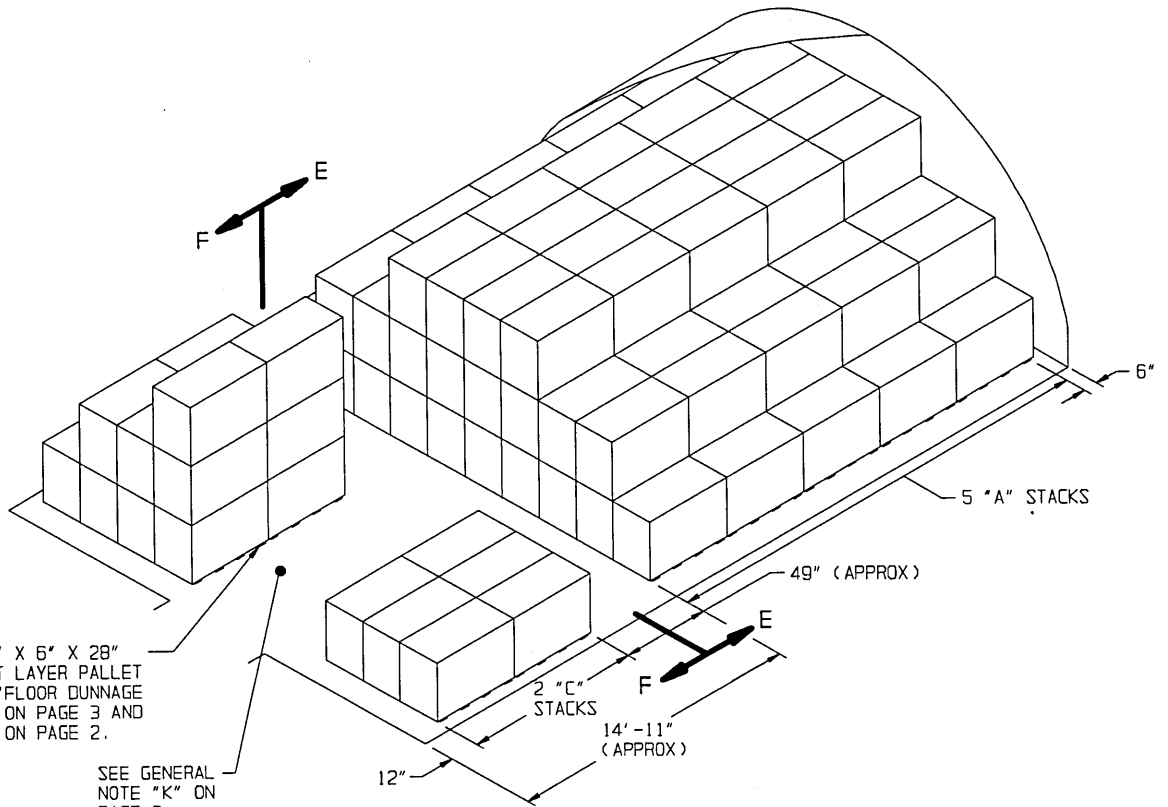
FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET UNIT).



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

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

ITEM	QUANTITY
PALLET UNITS - - - - -	127
CONTAINERS - - - - -	2,540



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

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

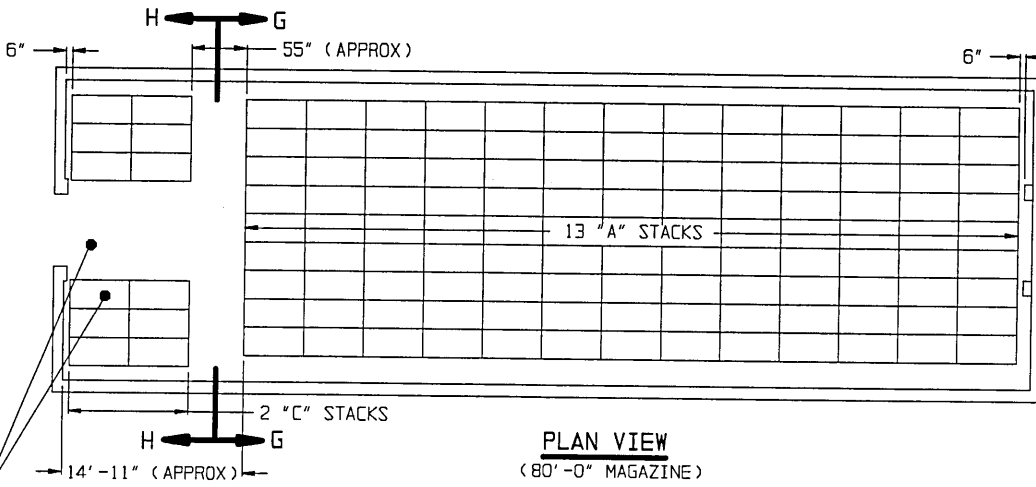
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.

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

(11'-0" HIGH)

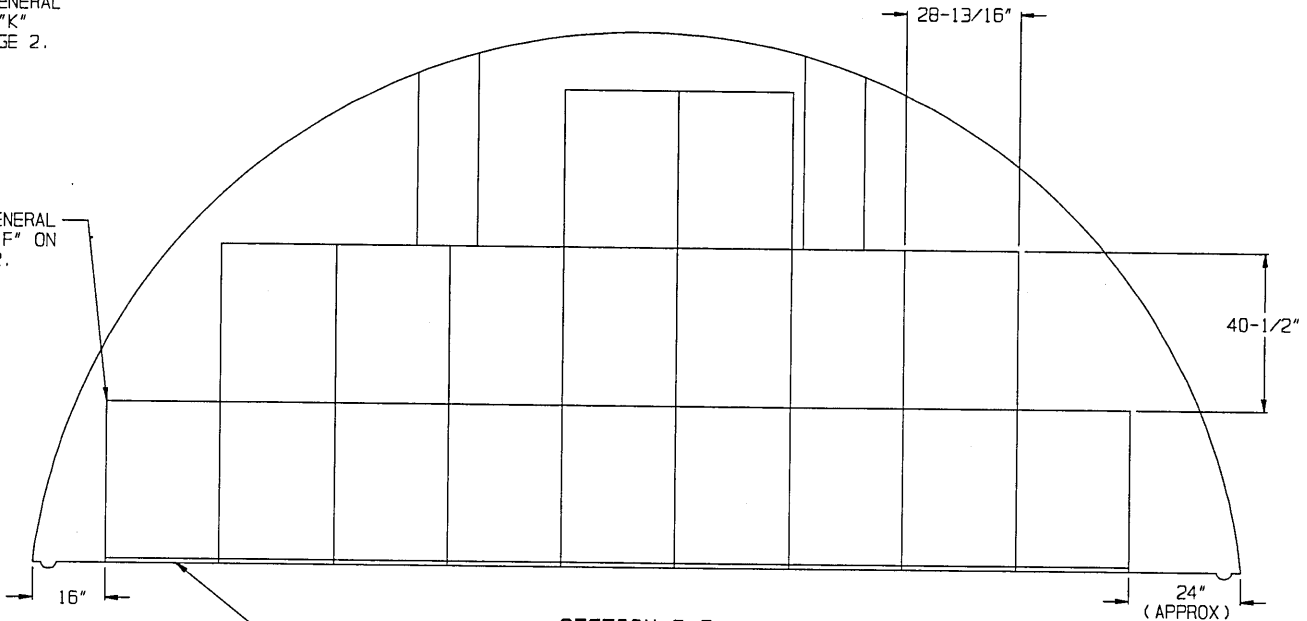
ITEM	QUANTITY
PALLET UNITS - - - -	250
CONTAINERS - - - -	5,000



**PLAN VIEW**  
(80'-0" MAGAZINE)

SEE GENERAL NOTE "K" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.

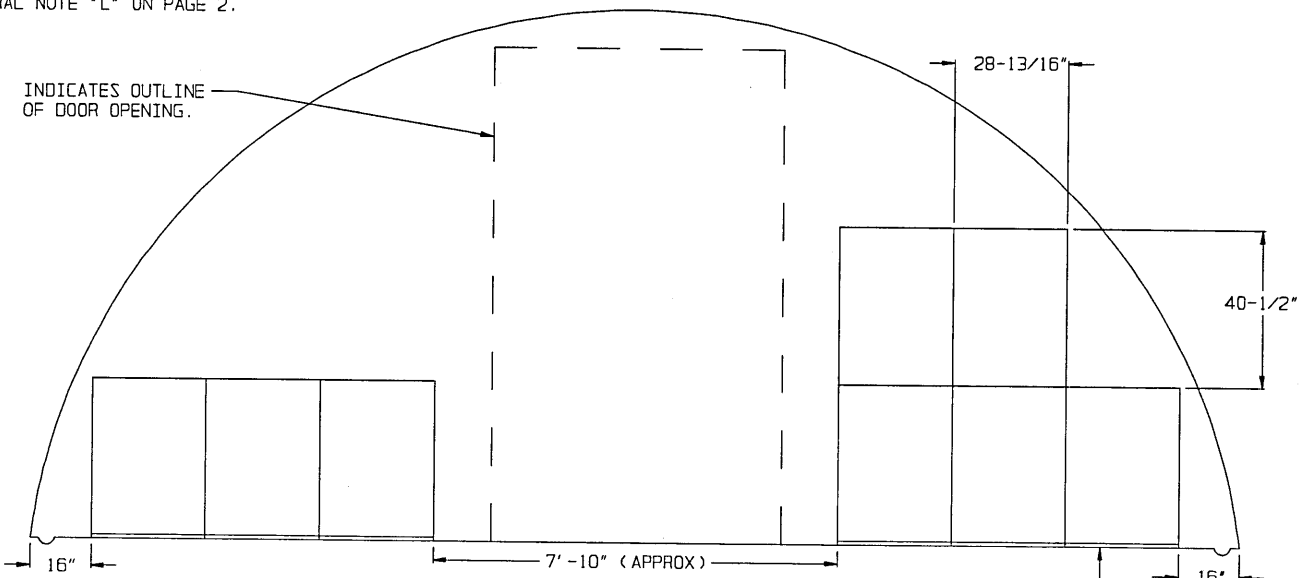


**SECTION G-G**

("A" STACK, 18 PALLET UNITS).

FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.



**SECTION H-H**

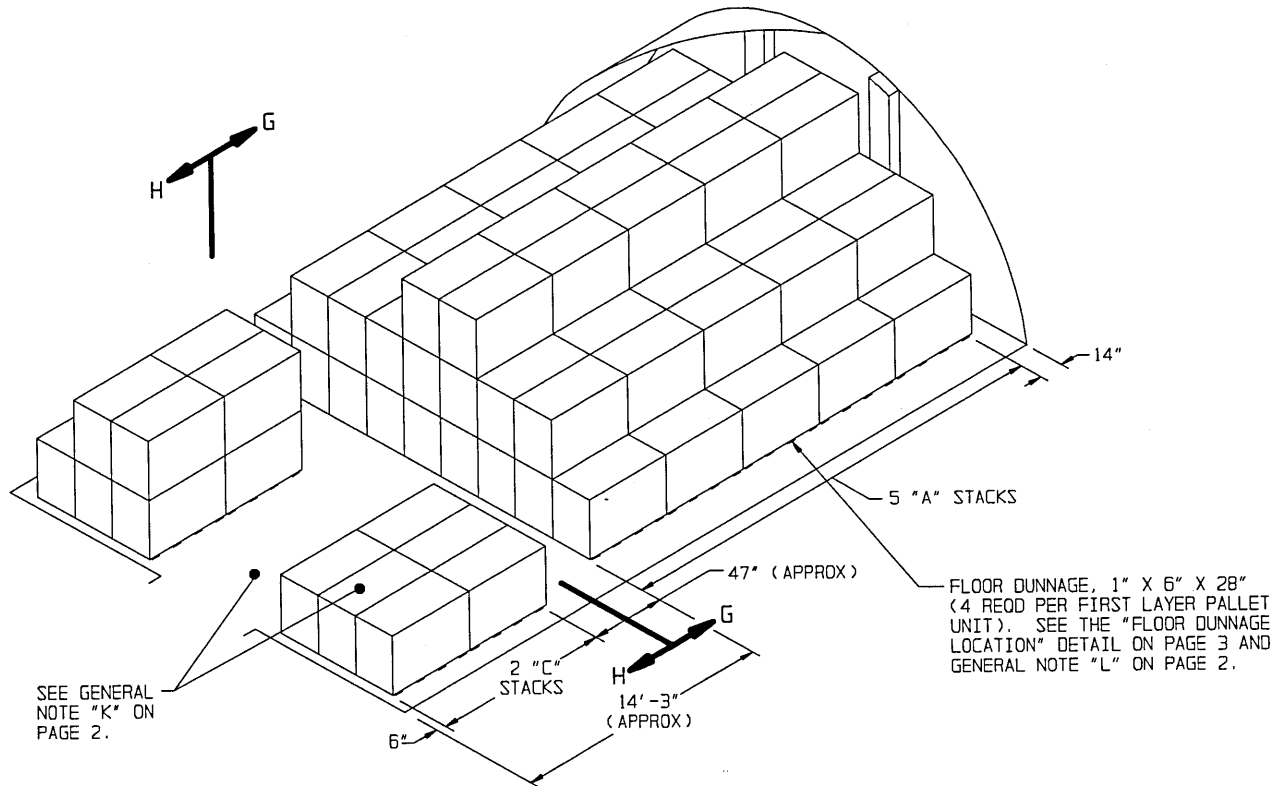
("C" STACK, 8 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET UNIT).

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

(11'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	106
CONTAINERS - - - - -	2,120



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

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

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

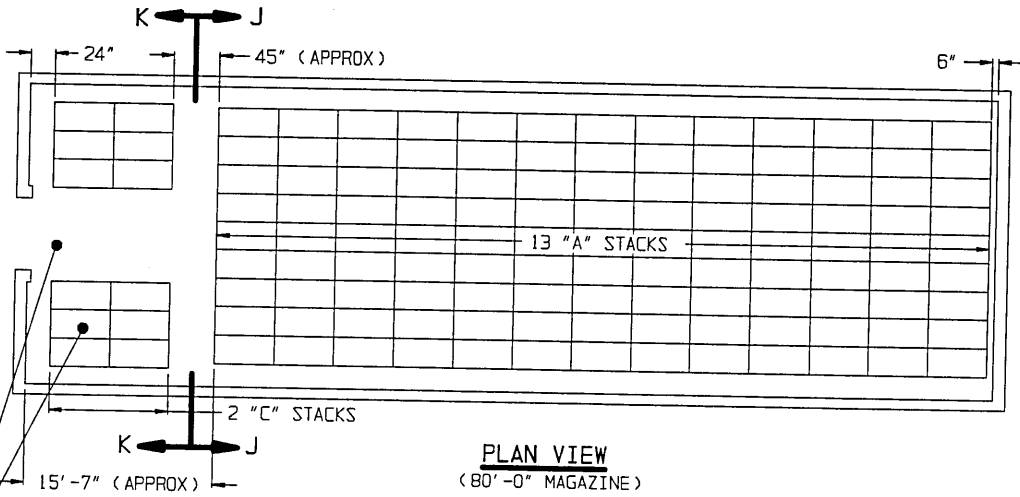
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.

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

(10'-0" HIGH)

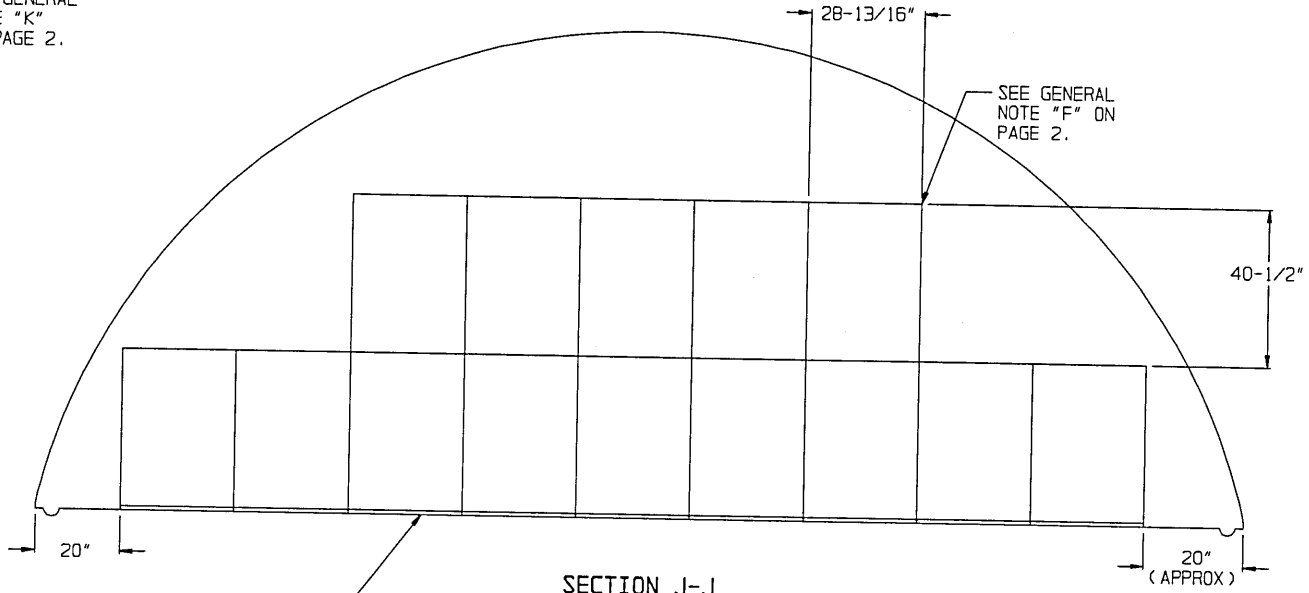
ITEM	QUANTITY
PALLET UNITS - - - -	198
CONTAINERS - - - -	3,960



**PLAN VIEW**  
(80'-0" MAGAZINE)

SEE GENERAL NOTE "K" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.

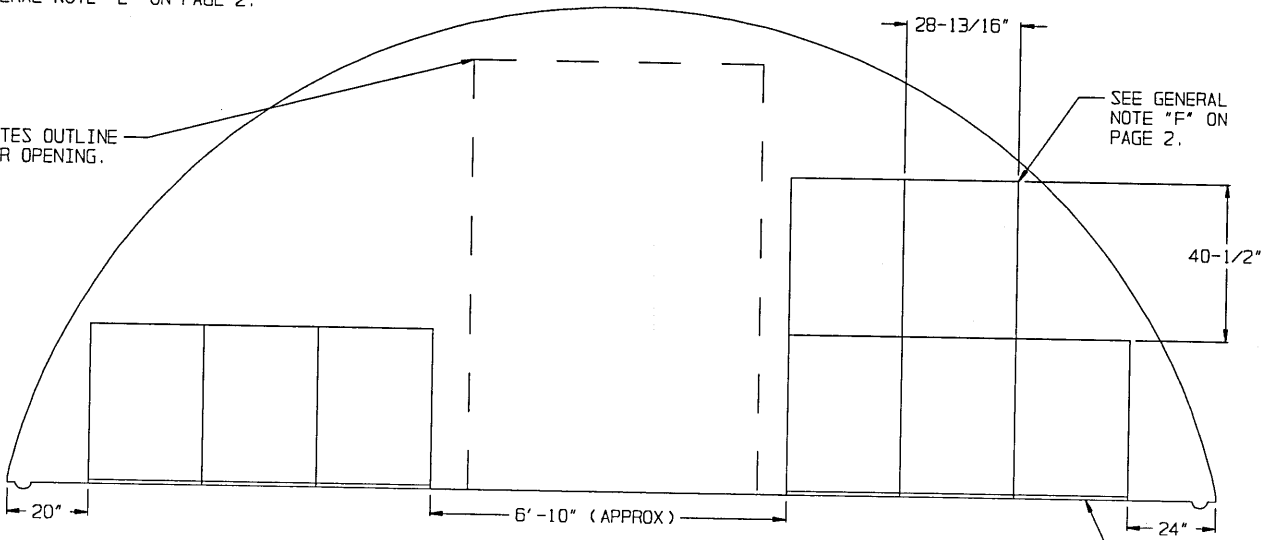


**SECTION J-J**  
("A" STACK, 14 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.

SEE GENERAL NOTE "F" ON PAGE 2.



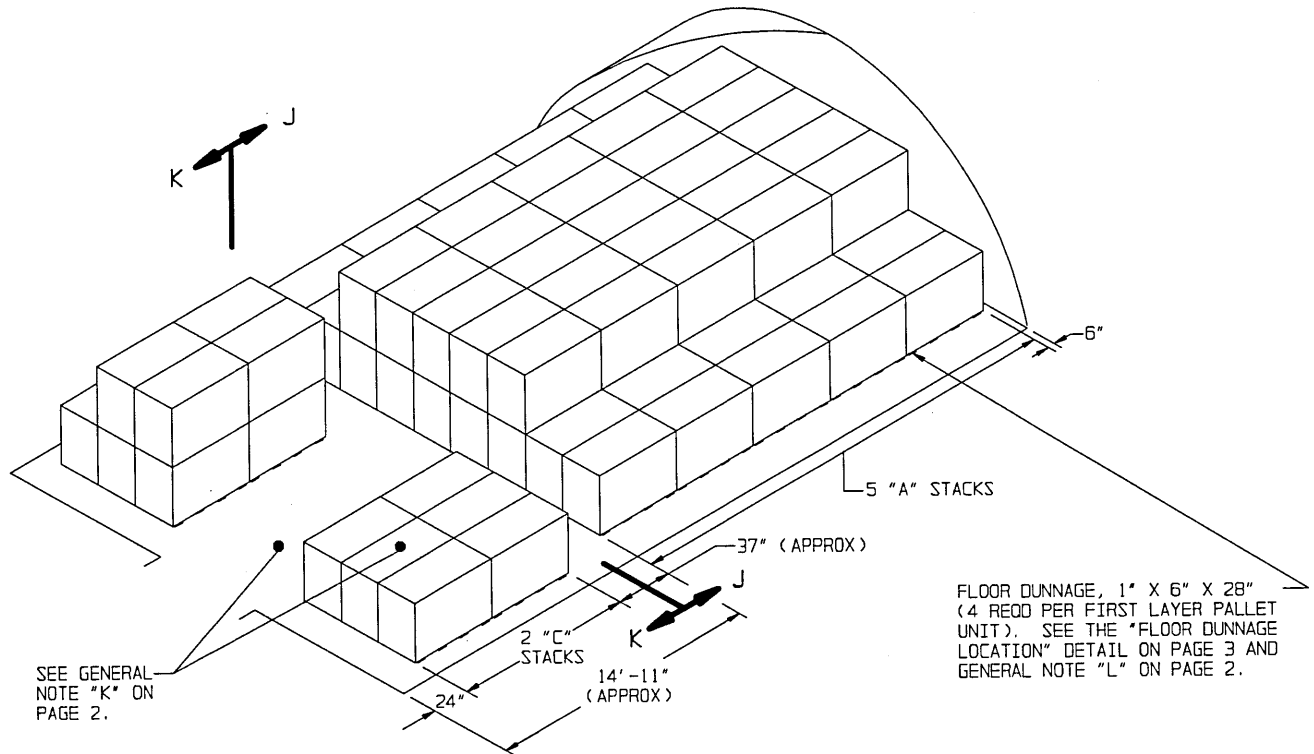
**SECTION K-K**  
("C" STACK, 8 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET UNIT).

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

(10'-0" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	86
CONTAINERS - - - - -	1,720



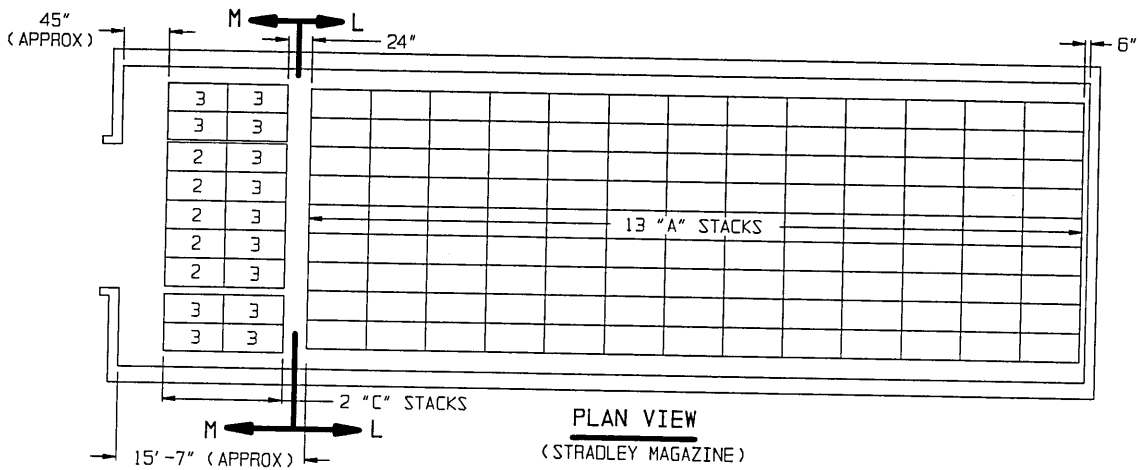
FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REED PER FIRST LAYER PALLET  
UNIT). SEE THE "FLOOR DUNNAGE  
LOCATION" DETAIL ON PAGE 3 AND  
GENERAL NOTE "L" ON PAGE 2.

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

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

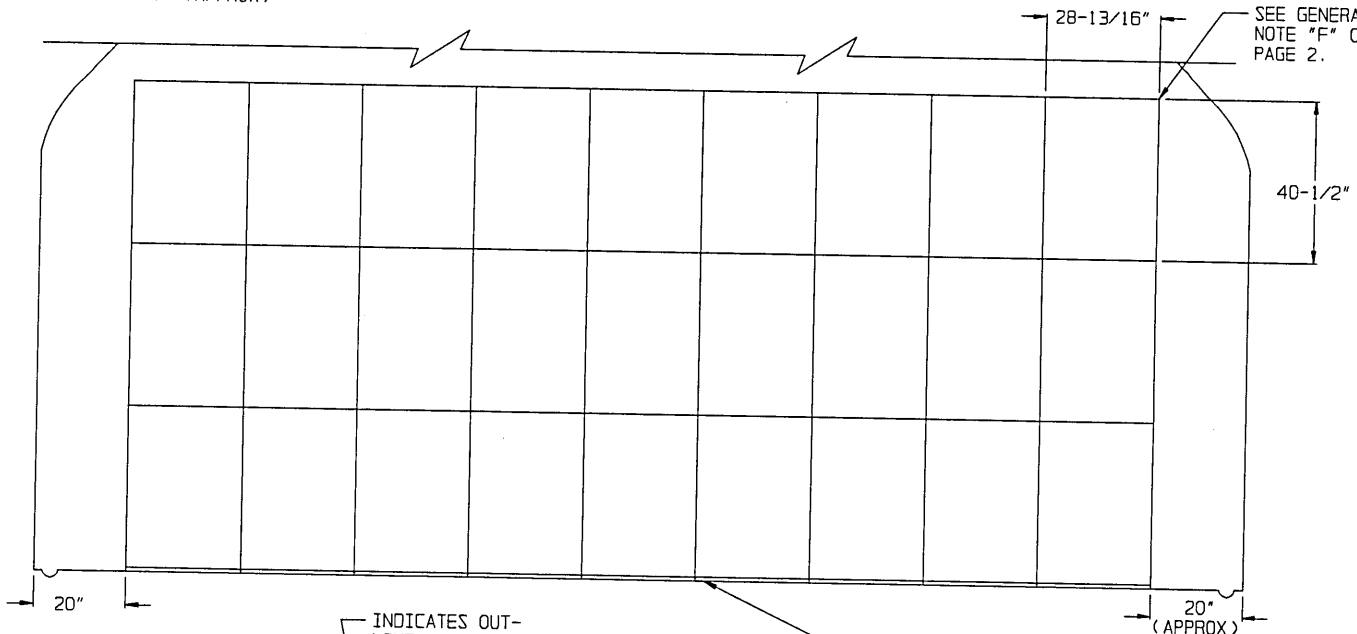
BILL OF MATERIAL (PER FIRST LAYER PALLET UNIT)*		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.



**PLAN VIEW**  
(STRADLEY MAGAZINE)

SEE GENERAL NOTE "F" ON PAGE 2.



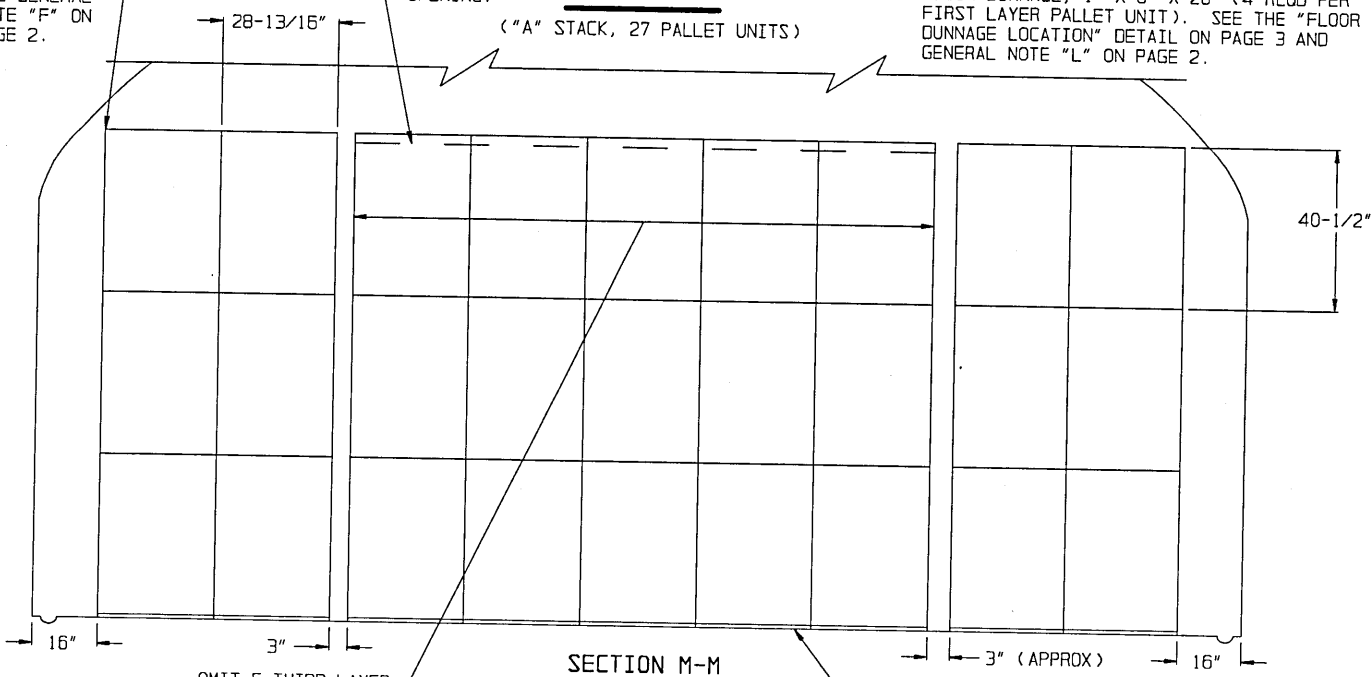
**SECTION L-L**

("A" STACK, 27 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 28" (4 REOD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.

INDICATES OUT-LINE OF DOOR OPENING.



**SECTION M-M**

(2 "C" STACKS, 49 PALLET UNITS)

FLOOR DUNNAGE 1" X 6" X 28" (4 REOD PER FIRST LAYER PALLET UNIT).

OMIT 5 THIRD LAYER UNITS IN FRONT STACK.

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**

(14'-0" HIGH)

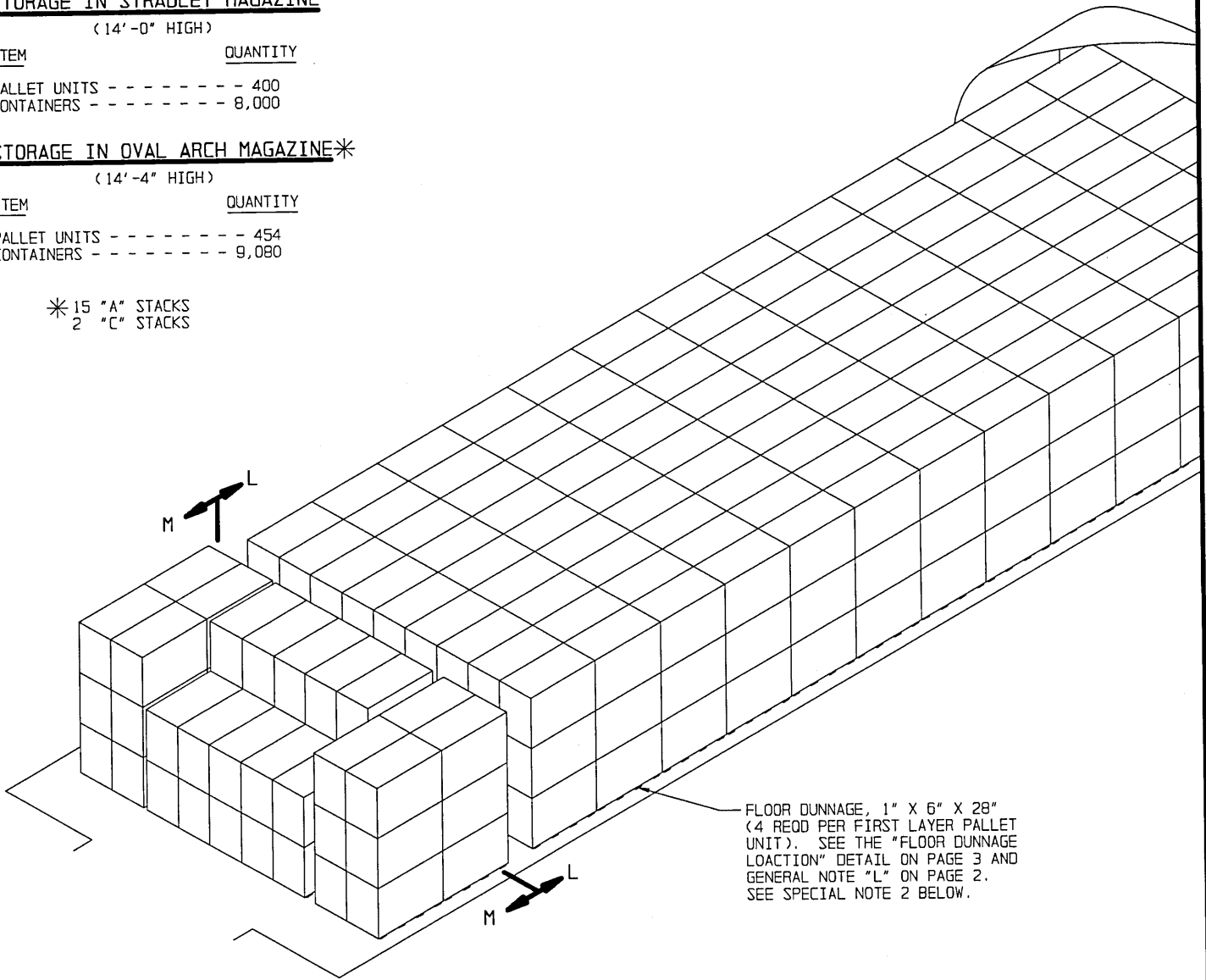
ITEM	QUANTITY
PALLET UNITS - - - - -	400
CONTAINERS - - - - -	8,000

**STORAGE IN OVAL ARCH MAGAZINE\***

(14'-4" HIGH)

ITEM	QUANTITY
PALLET UNITS - - - - -	454
CONTAINERS - - - - -	9,080

\* 15 "A" STACKS  
2 "C" STACKS



**ISOMETRIC VIEW**  
(STRADLEY MAGAZINE)

FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REED PER FIRST LAYER PALLET  
UNIT). SEE THE "FLOOR DUNNAGE  
LOCATION" DETAIL ON PAGE 3 AND  
GENERAL NOTE "L" ON PAGE 2.  
SEE SPECIAL NOTE 2 BELOW.

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

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

LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.

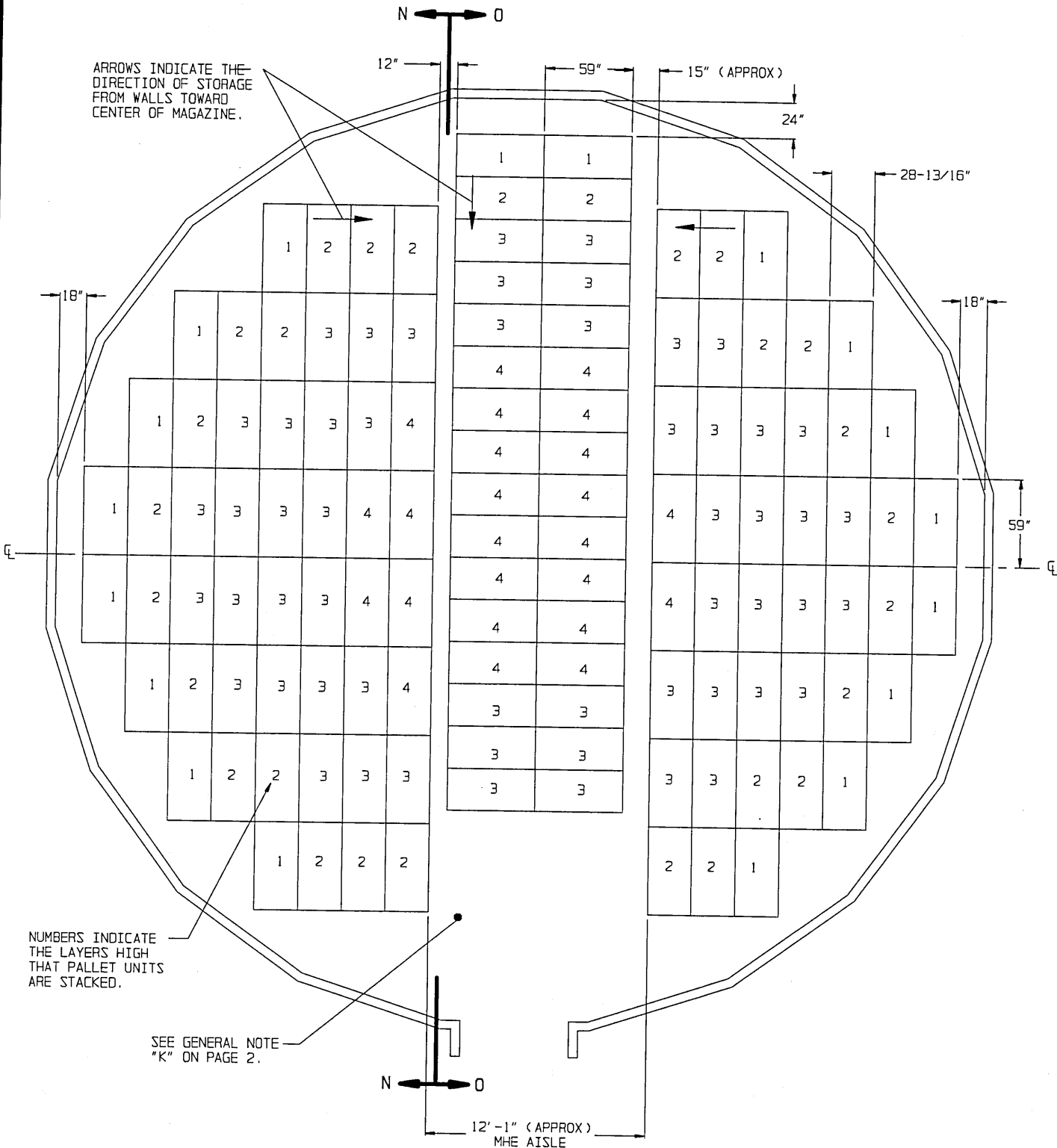
**SPECIAL NOTE:**

1. DUE TO THE RELATIVELY NARROW DOOR OPENING IN SOME OVAL ARCH MAGAZINES, ONE (1) OR TWO (2) ROWS OF PALLET UNITS AS SHOWN IN "SECTION M-M", MAY HAVE TO BE OMITTED.
2. FOR STORAGE IN OVAL ARCH MAGAZINES, THE FLOOR DUNNAGE WILL BE POSITIONED LENGTHWISE IN LIEU OF CROSSWISE, AS SHOWN. SEE THE "ALTERNATIVE FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3.

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

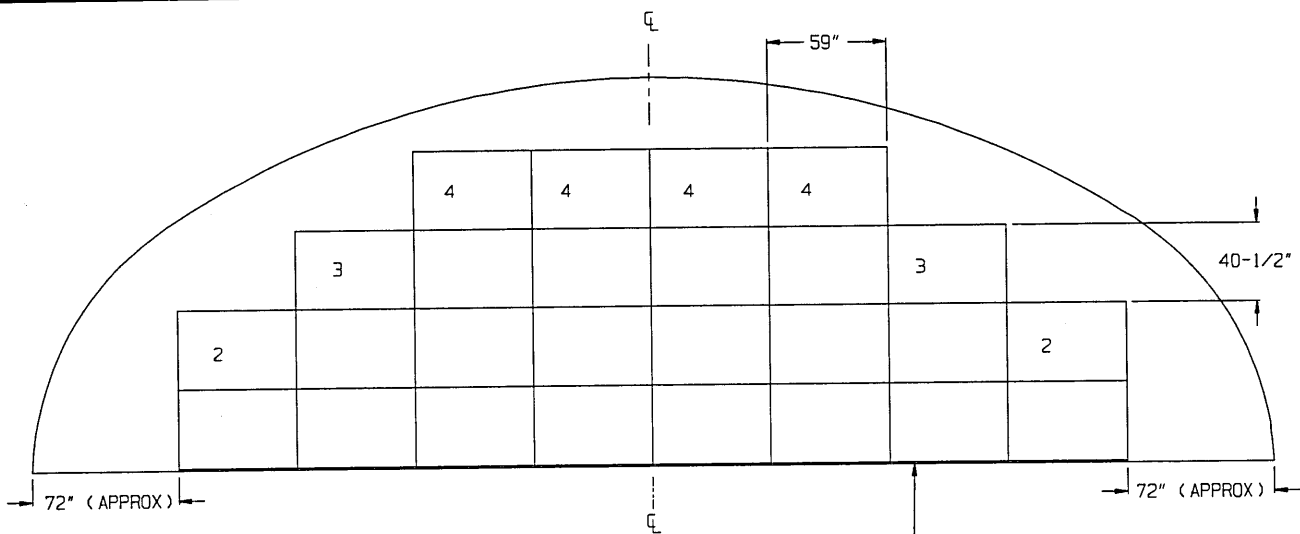
**STORAGE IN 52'-0" DIA MAGAZINE**

ITEM	QUANTITY
PALLET UNITS-----	332
CONTAINERS-----	6,640



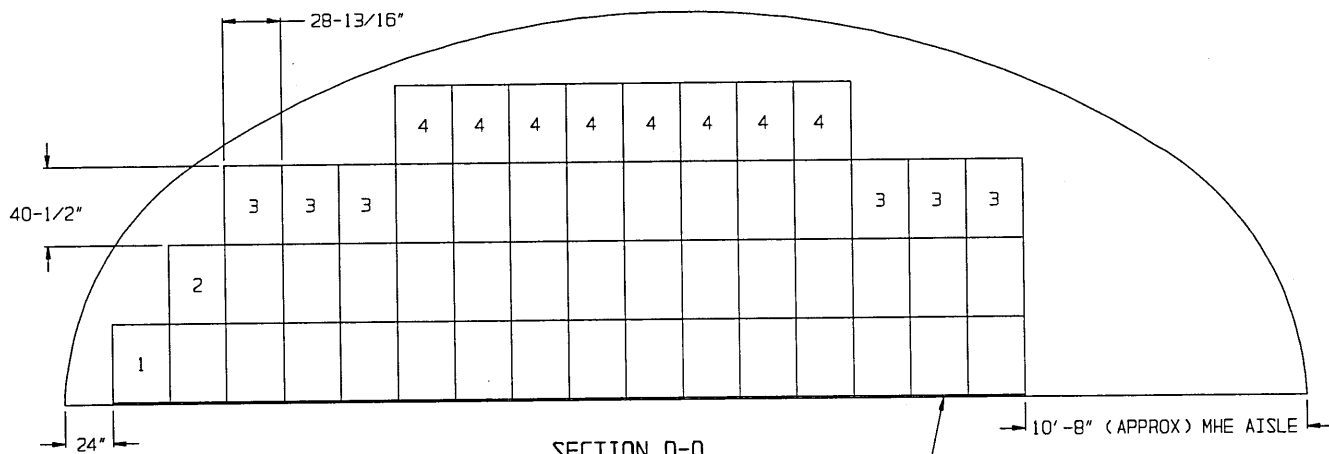
**PLAN VIEW**  
(52'-0" DIA MAGAZINE)





SECTION N-N

FLOOR DUNNAGE, 1" X 6" X 28"  
 (4 REOD PER FIRST LAYER PALLET  
 UNIT). SEE THE "FLOOR DUNNAGE  
 LOCATION" DETAIL ON PAGE 3 AND  
 GENERAL NOTE "L" ON PAGE 2.



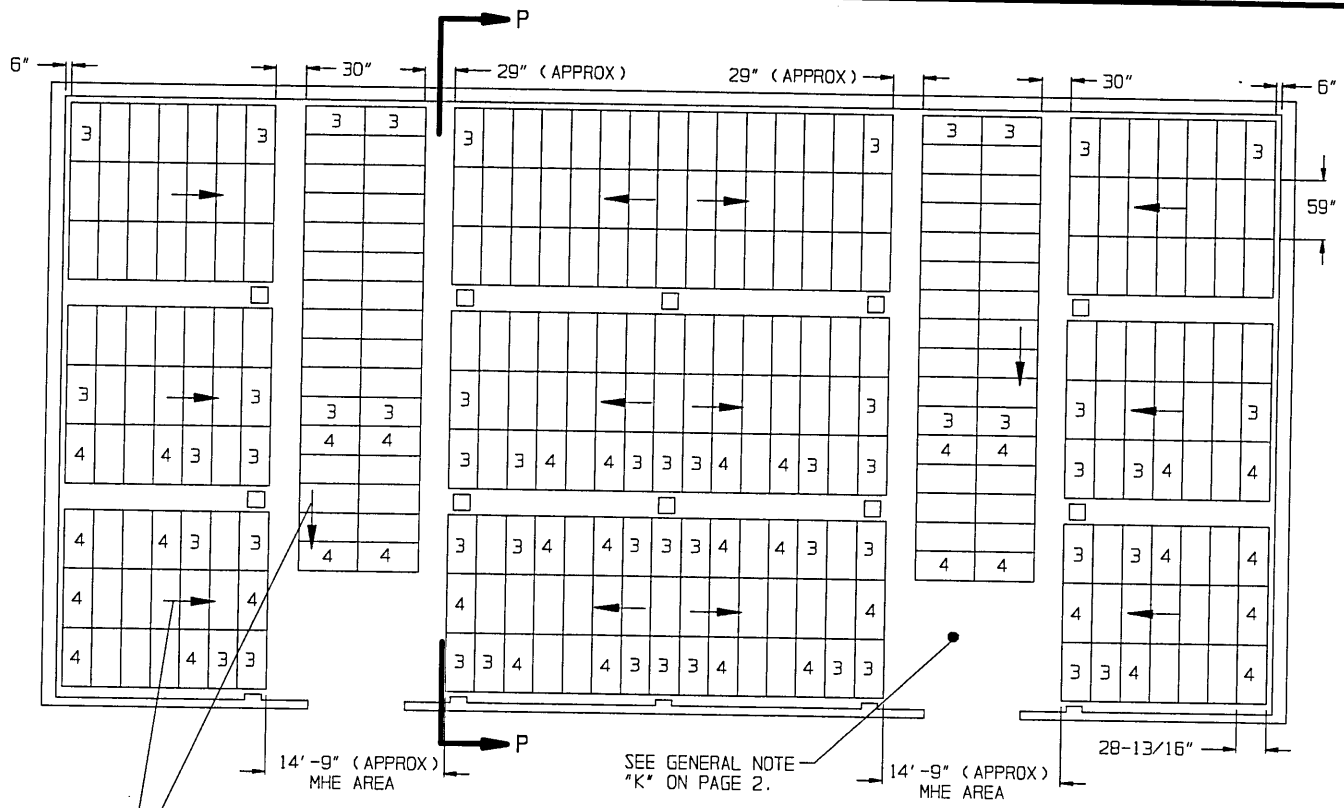
SECTION O-O

FLOOR DUNNAGE, 1" X 6" X 28"  
 (4 REOD PER FIRST LAYER PALLET  
 UNIT).

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

BILL OF MATERIAL (PER FIRST LAYER PALLET UNIT)*		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

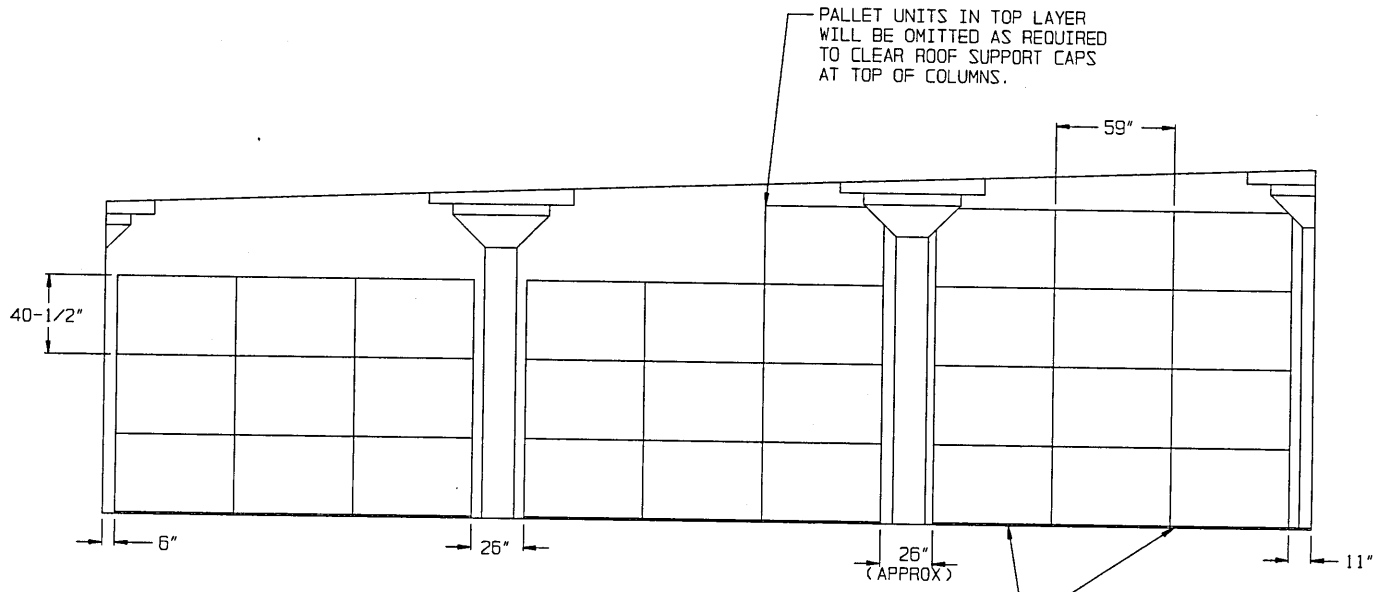
\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.



ARROWS INDICATE DIRECTION OF STORAGE FROM WALLS TOWARD THE MHE AREA.

**PLAN VIEW**

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



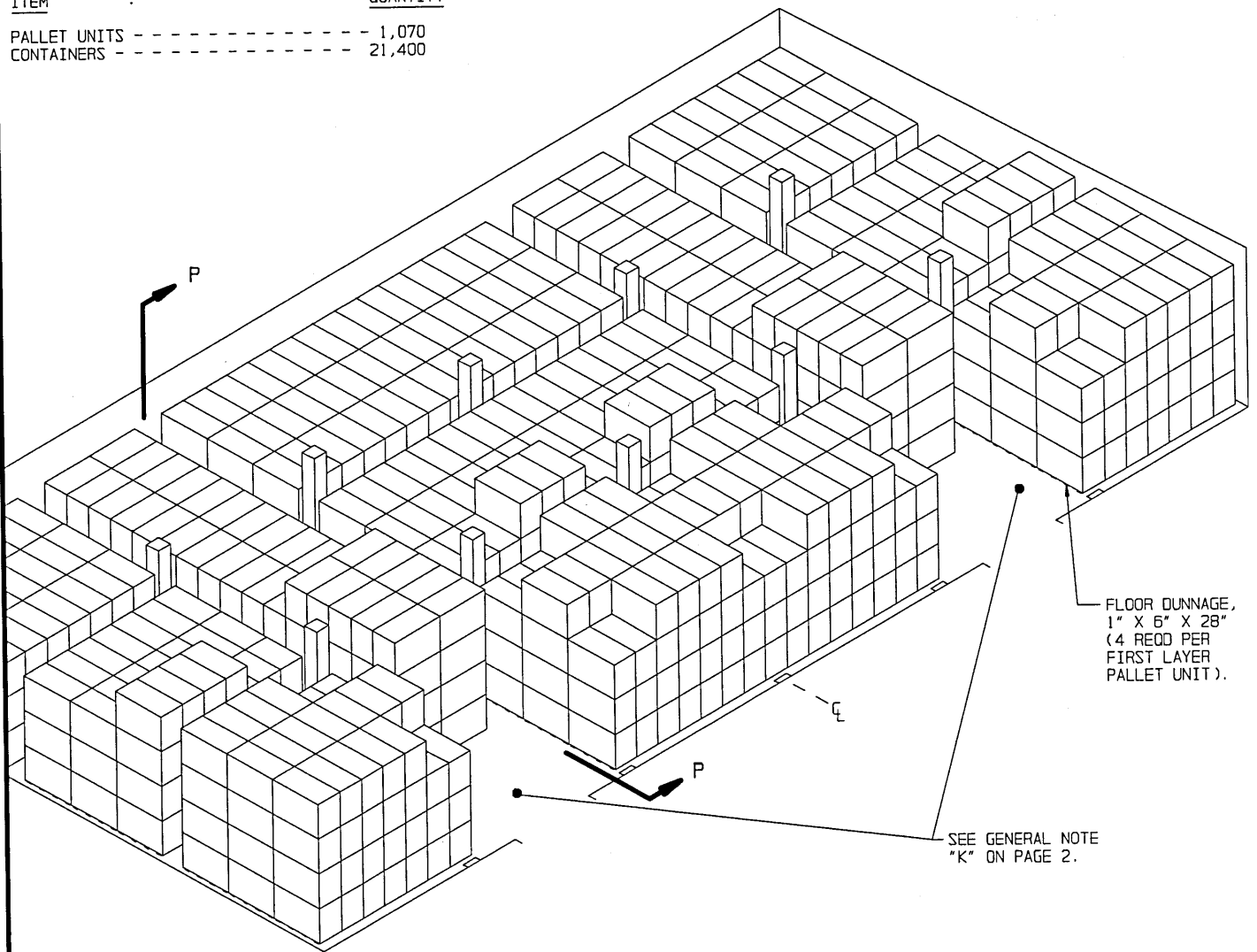
PALLET UNITS IN TOP LAYER WILL BE OMITTED AS REQUIRED TO CLEAR ROOF SUPPORT CAPS AT TOP OF COLUMNS.

**SECTION P-P**

FLOOR DUNNAGE, 1" X 6" X 28" (4 REQD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

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

ITEM	QUANTITY
PALLET UNITS - - - - -	1,070
CONTAINERS - - - - -	21,400



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

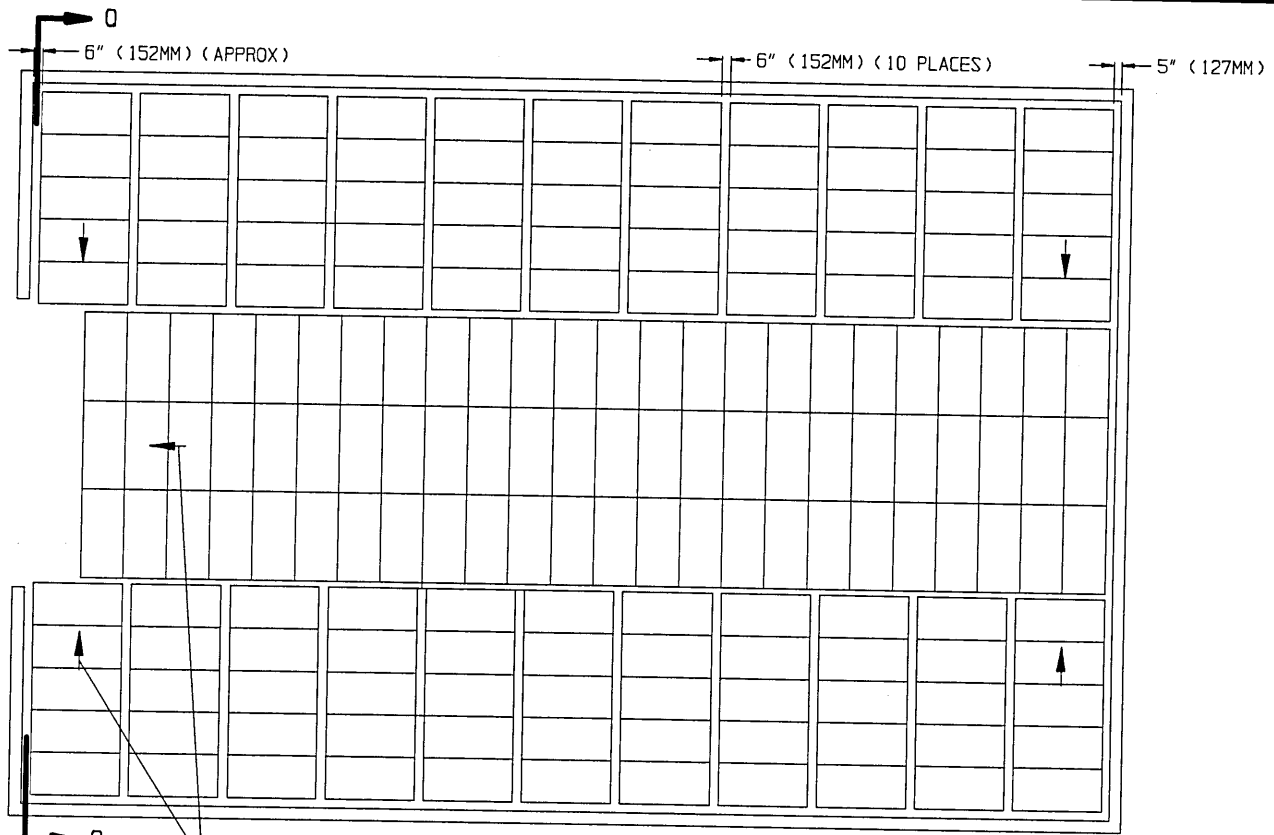
**FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS" SEE PAGE 2.**

BILL OF MATERIAL (PER FIRST LAYER PALLET UNIT)*		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.

**SPECIAL NOTE:**

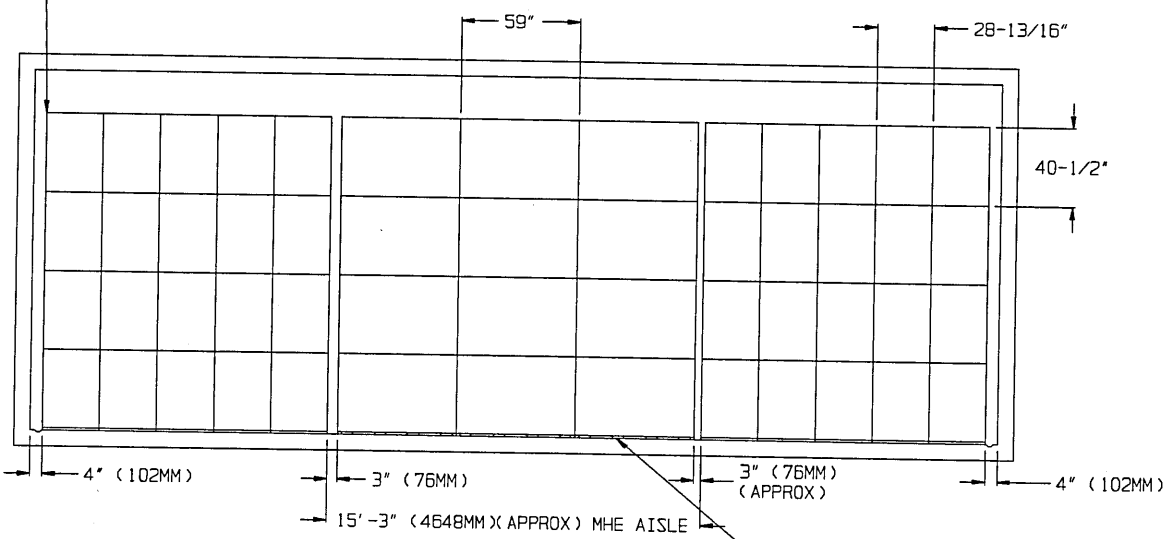
1. IF THE QUANTITY FOR A MAGAZINE IS TO BE REDUCED FROM WHAT IS SHOWN DUE TO THE PERMITTED "EXPLOSIVE LIMIT" OR FOR ANY OTHER REASON, SUCH AS A LIMITED QUANTITY TO BE STORED, THE DELINEATED PROCEDURES ARE TO BE ADJUSTED BY OMITTING STACKS RATHER THAN BY OMITTING LAYERS.



ARROWS INDICATE DIRECTION OF STORAGE FROM WALL OF BUNKER.

**PLAN VIEW**  
(TYPE II BUNKER)

SEE GENERAL NOTE "F" ON PAGE 2.

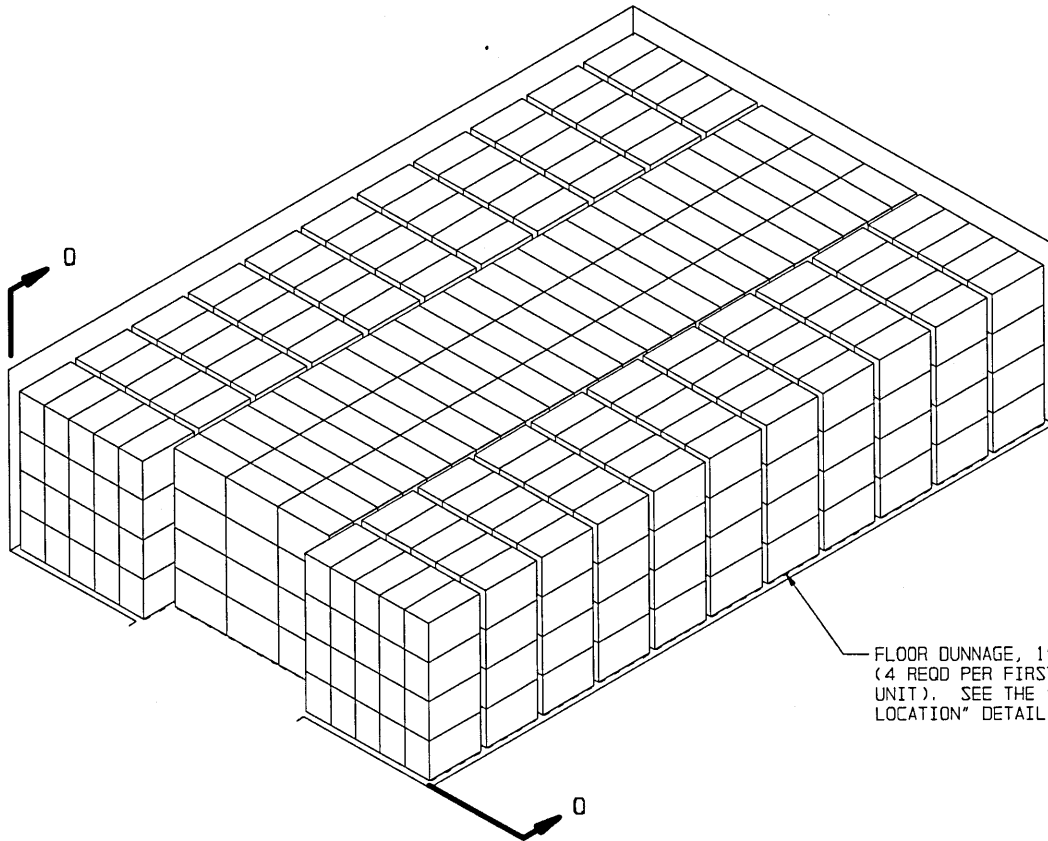


**SECTION O-O**

FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

**STORAGE IN TYPE II BUNKER**

ITEM	QUANTITY
PALLET UNITS - - - - -	728
CONTAINERS - - - - -	14,560



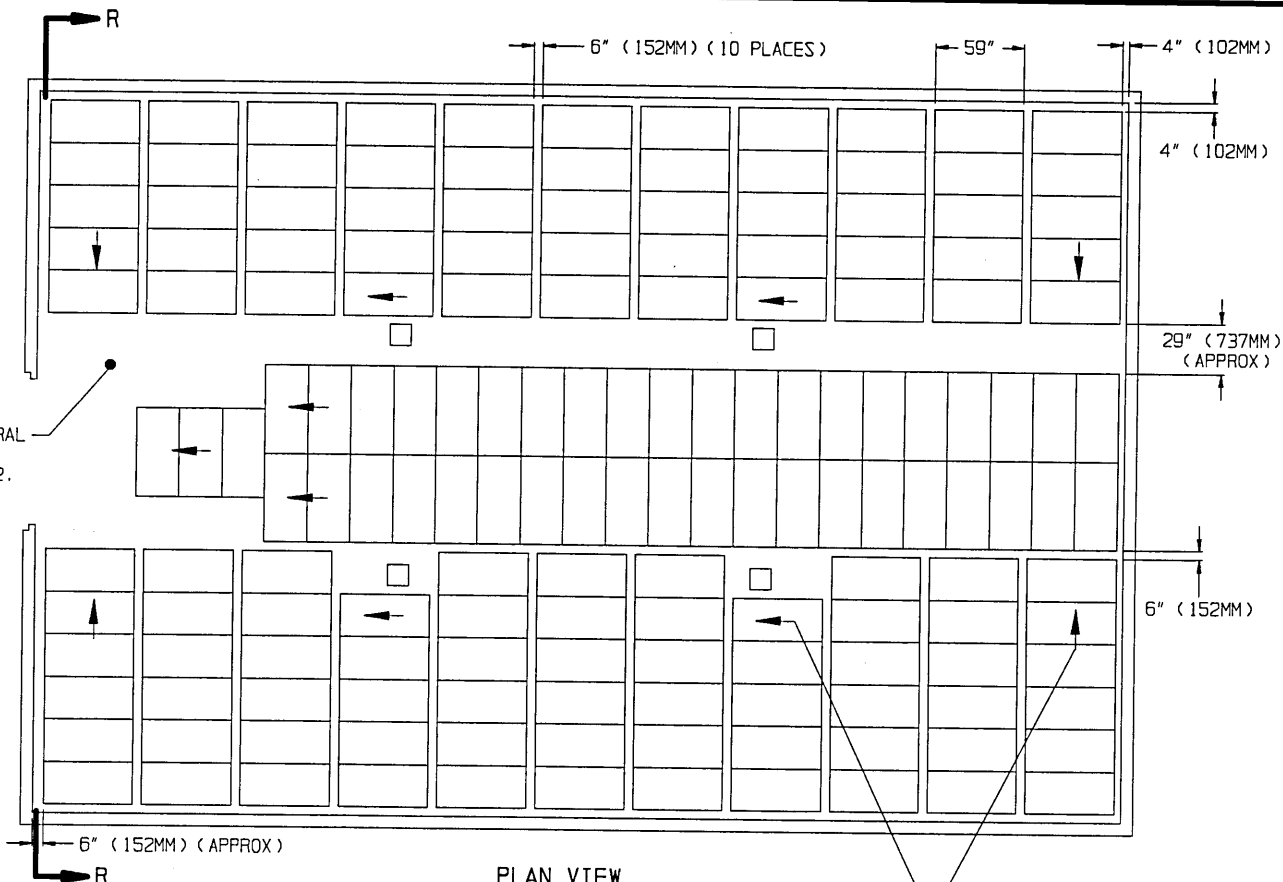
**ISOMETRIC VIEW**  
(TYPE II BUNKER)

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

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

LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.

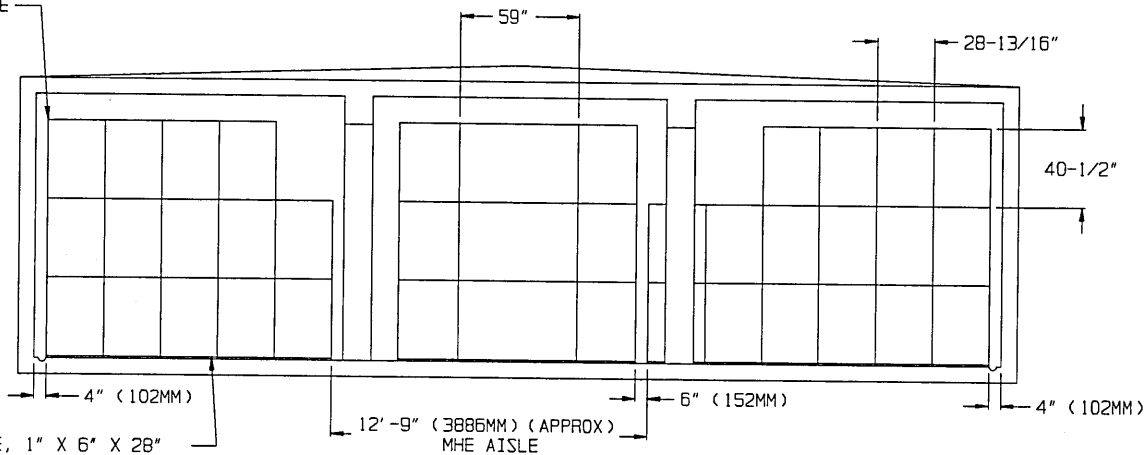


SEE GENERAL NOTE "K" ON PAGE 2.

**PLAN VIEW**  
(TYPE III BUNKER)

ARROWS INDICATE DIRECTION OF STORAGE FROM WALL OF BUNKER.

SEE GENERAL NOTE "F" ON PAGE 2.

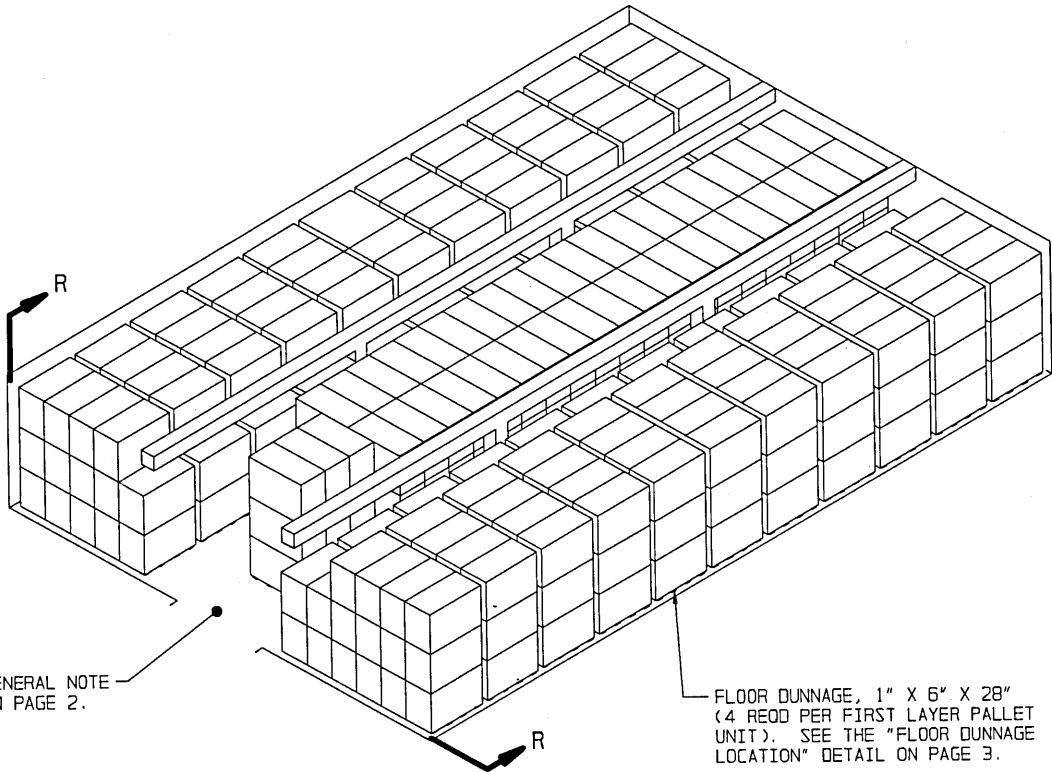


FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REQD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

**SECTION R-R**

**STORAGE IN TYPE III BUNKER**

ITEM	QUANTITY
PALLET UNITS- - - - -	459
CONTAINERS - - - - -	9,180



SEE GENERAL NOTE "K" ON PAGE 2.

FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3.

**ISOMETRIC VIEW**  
(TYPE III BUNKER)

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

BILL OF MATERIAL (PER FIRST LAYER PALLET UNIT)*		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

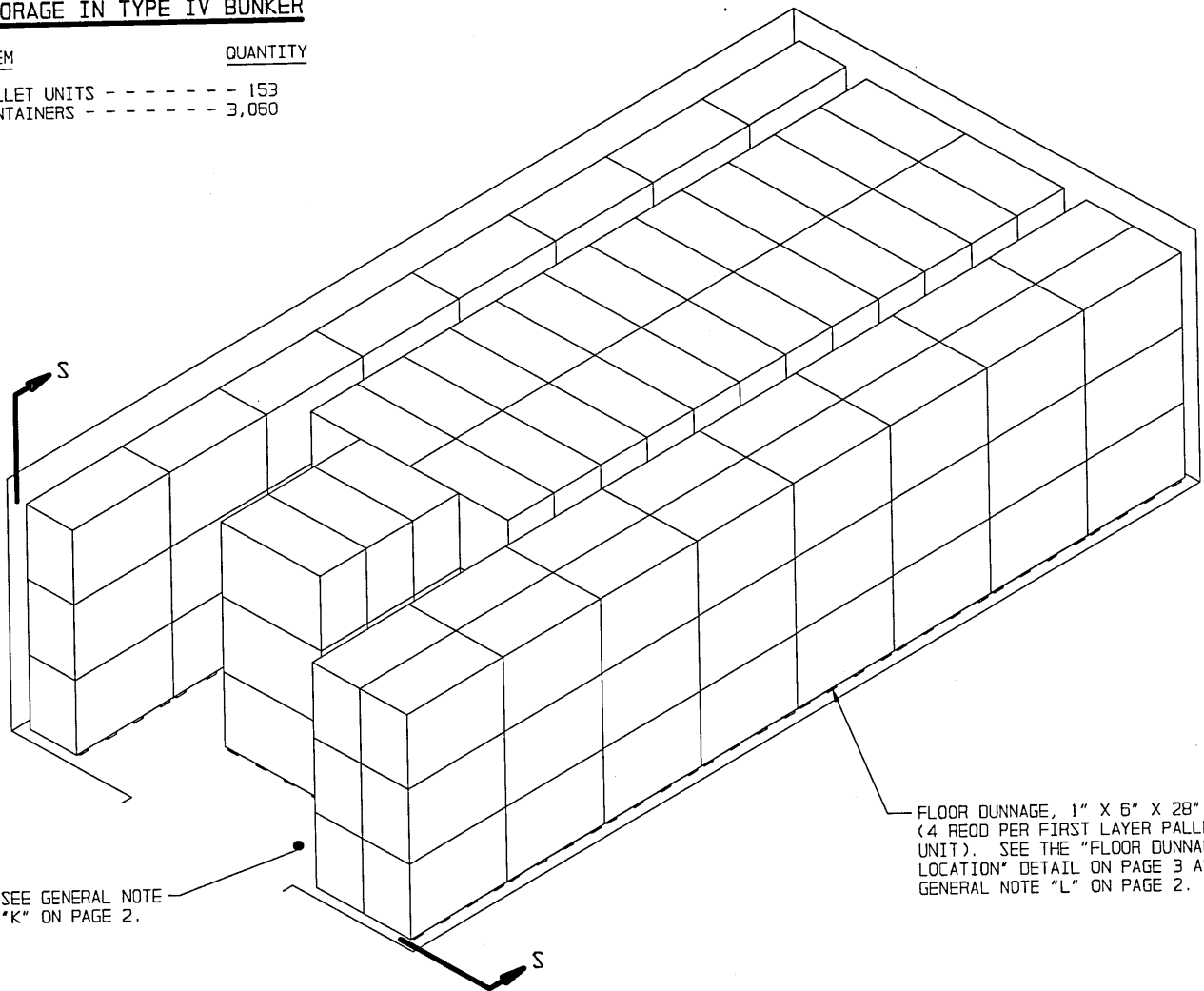
\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.





**STORAGE IN TYPE IV BUNKER**

ITEM	QUANTITY
PALLET UNITS - - - - -	153
CONTAINERS - - - - -	3,060



SEE GENERAL NOTE  
"K" ON PAGE 2.

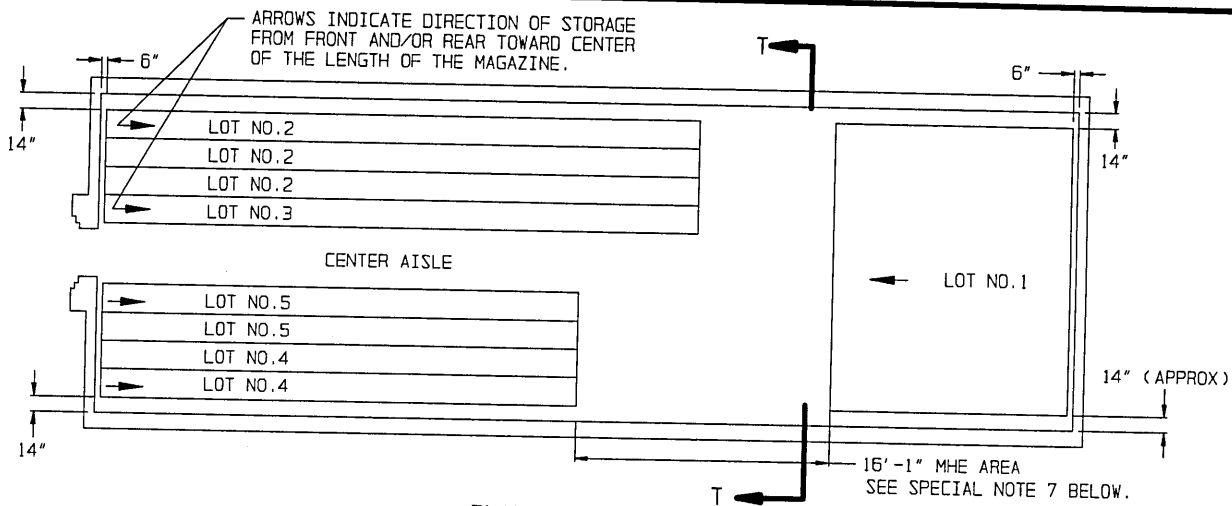
FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET  
UNIT). SEE THE "FLOOR DUNNAGE  
LOCATION" DETAIL ON PAGE 3 AND  
GENERAL NOTE "L" ON PAGE 2.

**ISOMETRIC VIEW**  
(TYPE IV BUNKER)

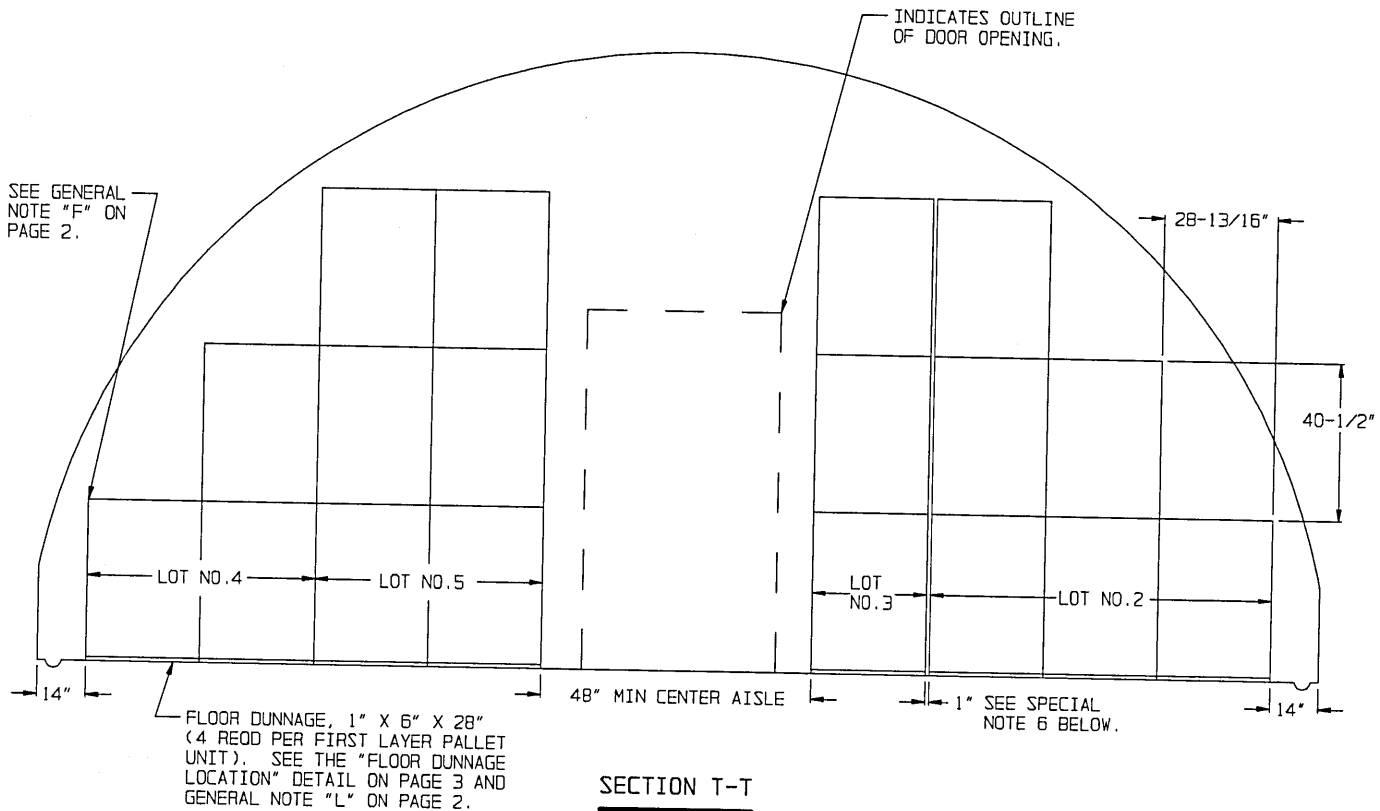
FOR "GENERAL NOTES" AND "MATERIAL  
SPECIFICATIONS" SEE PAGE 2.

BILL OF MATERIAL (PER FIRST LAYER PALLET UNIT)*		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	9.34	4.67

\* RANDOM LENGTH PIECES MAY BE USED, IF DESIRED.



PLAN VIEW  
(81'-0" IGLOO)



SECTION T-T

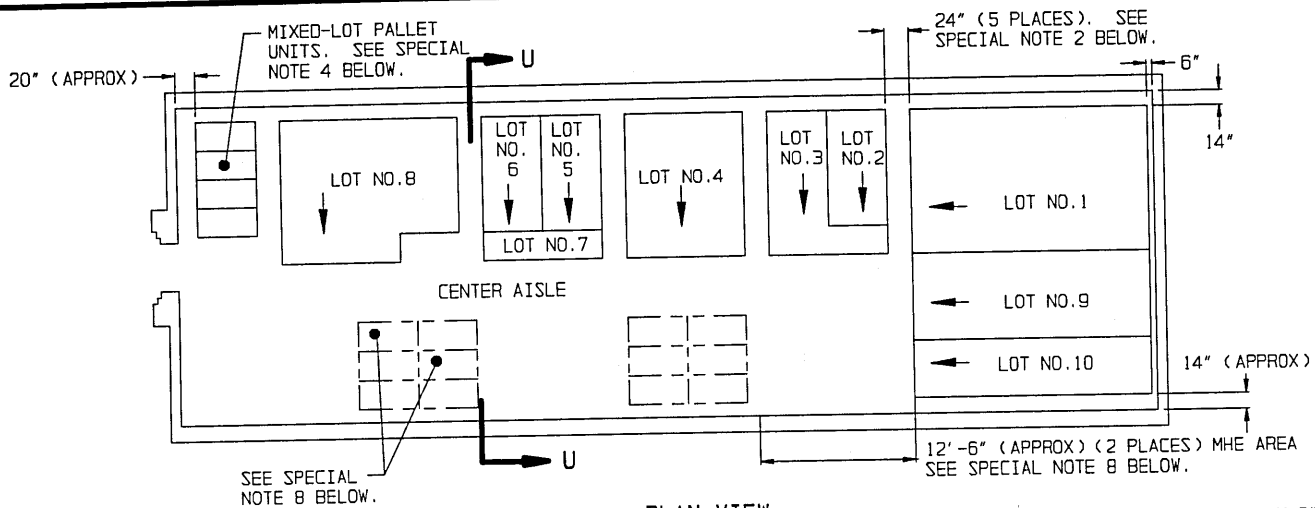
SPECIAL NOTES:

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY AND APPLY TO RELATIVE LARGE LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN THE MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
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. A CENTER AISLE WILL NOT BE REQUIRED IN THE REAR AREA AS LONG AS EACH LOT IS 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. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.

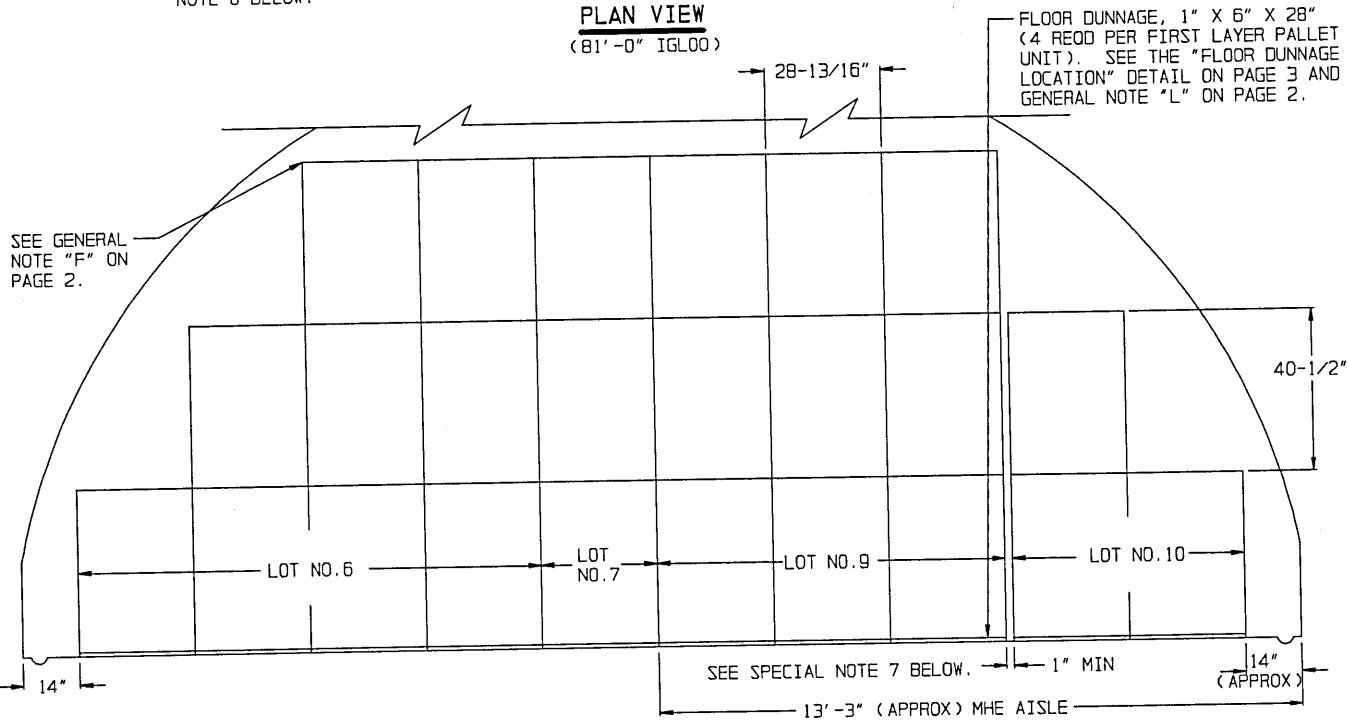
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(SPECIAL NOTES CONTINUED)

5. 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) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THAT LOT. A "LIFT" MAY CONSIST OF ONE (1) OR TWO (2) PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
6. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
7. A 16'-1" MHE OPERATING AREA HAS BEEN SHOWN. THE MHE OPERATING AREA CAN BE ENLARGED AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON EACH SIDE OF THE MAGAZINE) IS TO BE AT LEAST 48 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 48 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A MAGAZINE, HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS OF STORAGE RESULTS.



PLAN VIEW  
(81'-0" IGLOO)



SECTION U-U

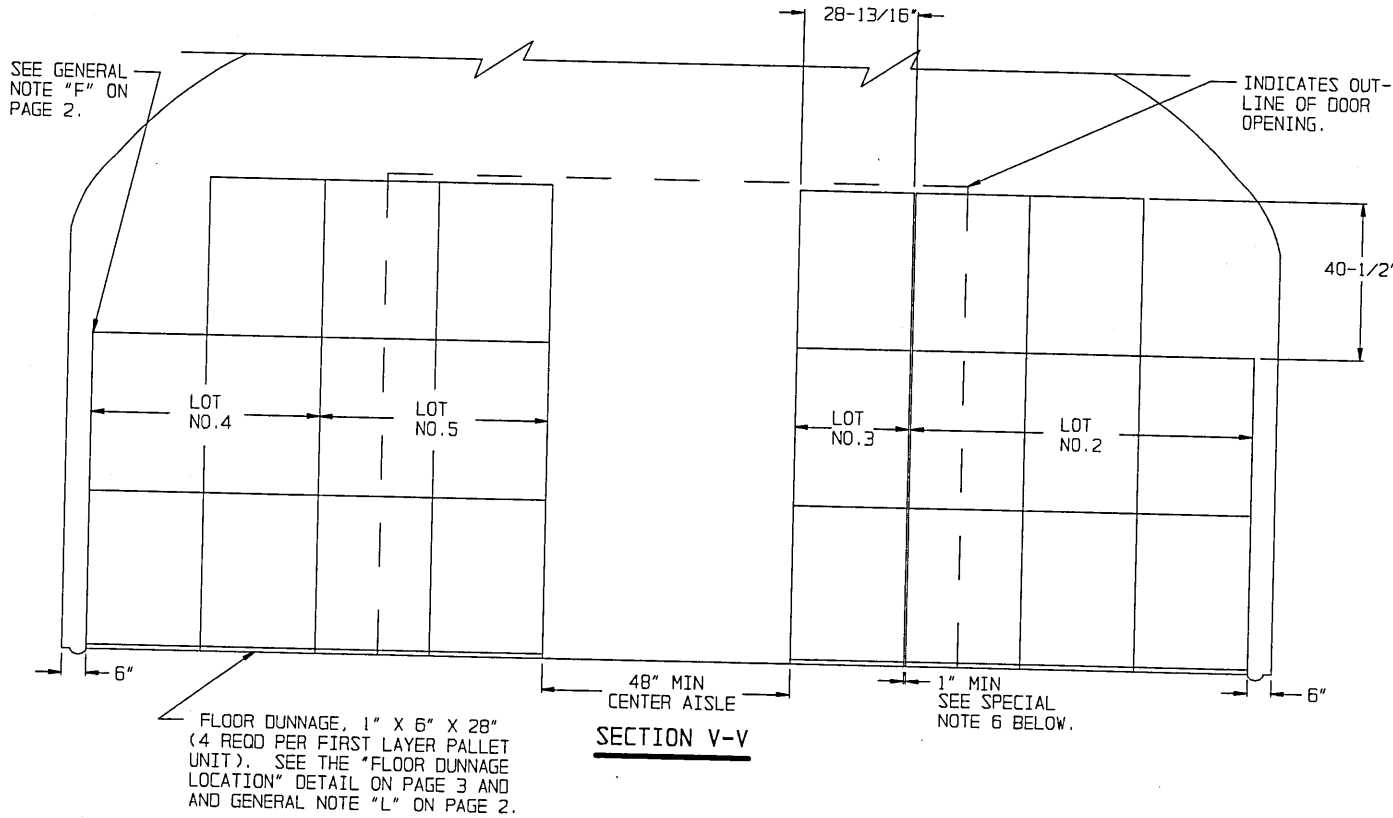
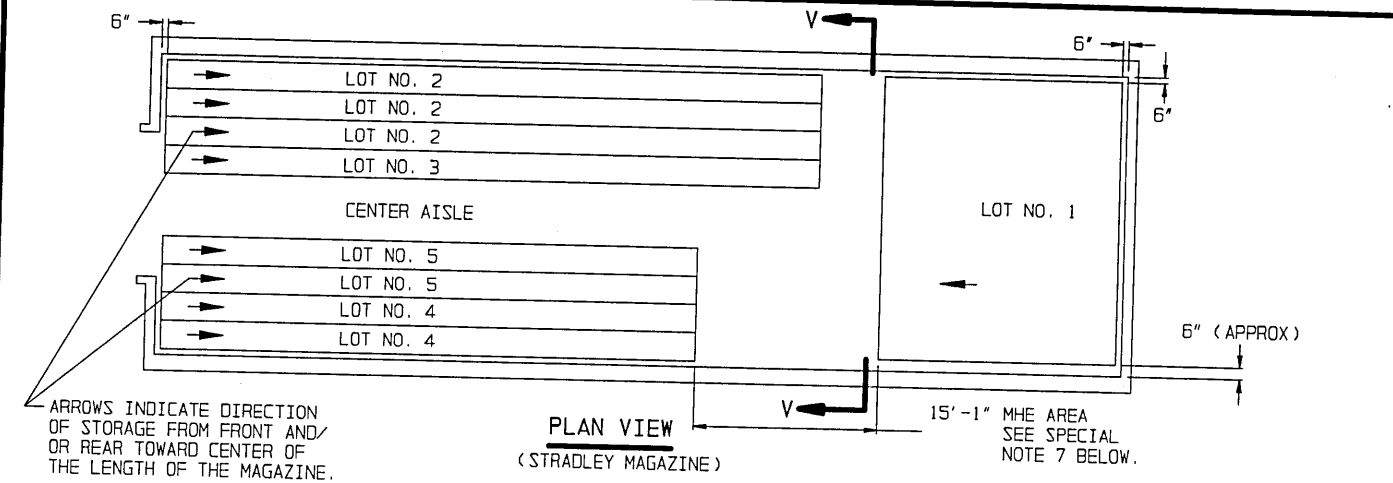
SPECIAL NOTES:

(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/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
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 MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARDS TO AS MANY DIFFERENT LOTS AS CONTAINERS WITHIN THAT UNIT. HOWEVER, ALL 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 NO MORE THAN TWELVE (12) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THE SINGLE-LOT OR MIXED-LOT UNITS. A "LIFT" MAY CONSIST OF ONE (1) OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS AND SAFE HANDLING IS NOT JEOPARDIZED.
6. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.
7. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
8. 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, RELATIVE TO "12 LIFTS", 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 12'-6" MHE OPERATING AREA HAS BEEN SPECIFIED FOR ACCESS TO EACH "ADDITIONAL STORAGE 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 TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON ONE SIDE OF A MAGAZINE AND AN "ADDITIONAL STORAGE LOCATION") IS TO BE AT LEAST 48 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 48 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A MAGAZINE. HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS OF STORAGE RESULTS.

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TYPICAL MULTIPLE-LOT STORAGE IN IGLOO AND ARCH TYPE MAGAZINES



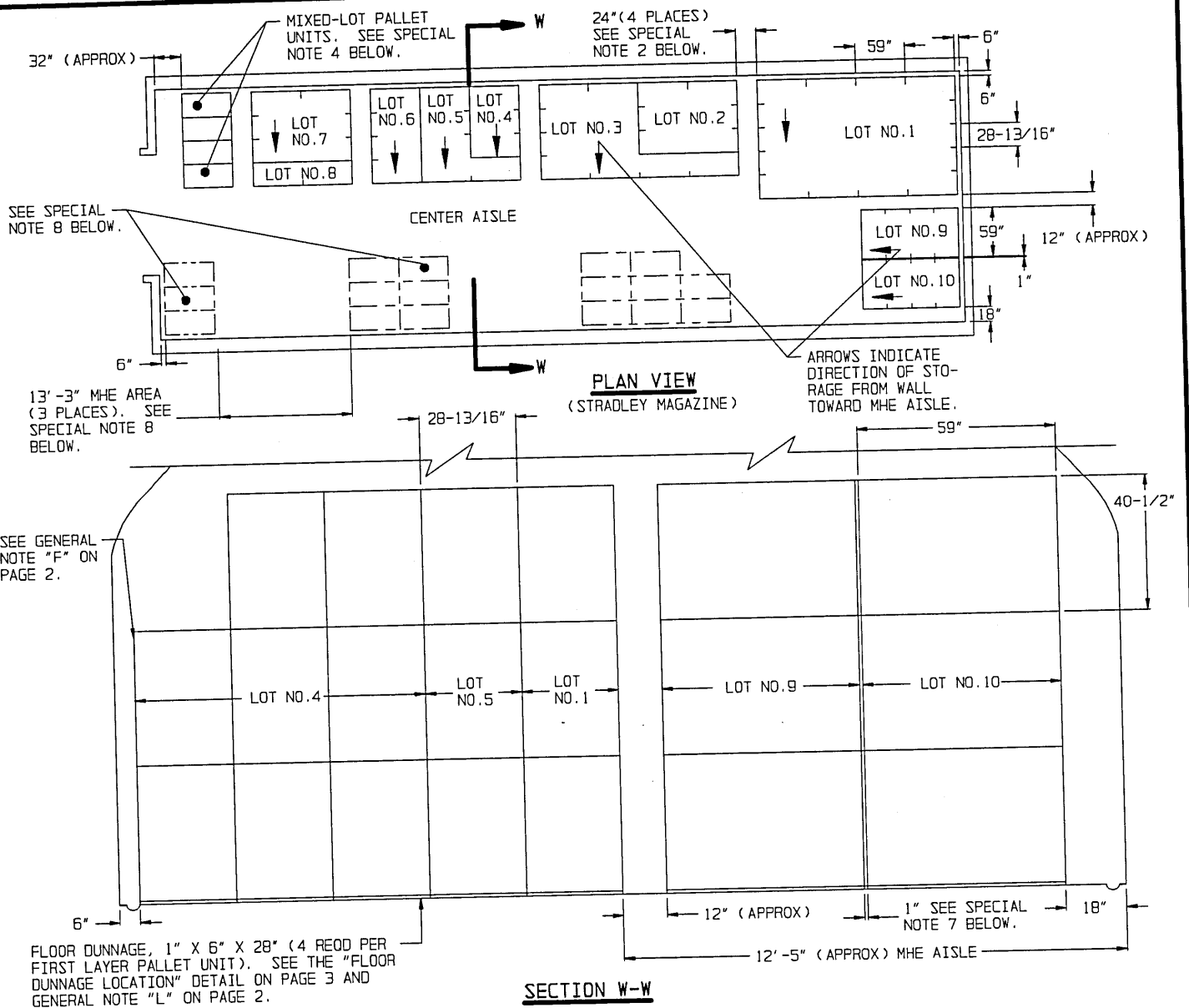
**SPECIAL NOTES:**

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY AND APPLY TO STORAGE OF RELATIVELY LARGE LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
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. A CENTER AISLE WILL NOT BE REQUIRED IN THE REAR AREA AS LONG AS EACH LOT IS 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. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.

(SPECIAL NOTES CONTINUED)

5. 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) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THAT LOT. A "LIFT" MAY CONSIST OF ONE (1) OR TWO (2) PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
6. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
7. A 15'-1" MHE OPERATING AREA HAS BEEN SHOWN. THE MHE OPERATING AREA CAN BE ENLARGED AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON EACH SIDE OF THE MAGAZINE) IS TO BE AT LEAST 48 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 48 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A MAGAZINE, HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS OF STORAGE RESULTS.

(CONTINUED AT RIGHT)



**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.
2. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
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 MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARDS TO AS MANY DIFFERENT LOTS AS CONTAINERS WITHIN THAT UNIT. HOWEVER, ALL 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 NO MORE THAN TWELVE (12) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THE SINGLE-LOT OR MIXED-LOT UNITS. A "LIFT" MAY CONSIST OF ONE (1) OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS AND SAFE HANDLING IS NOT JEOPARDIZED.

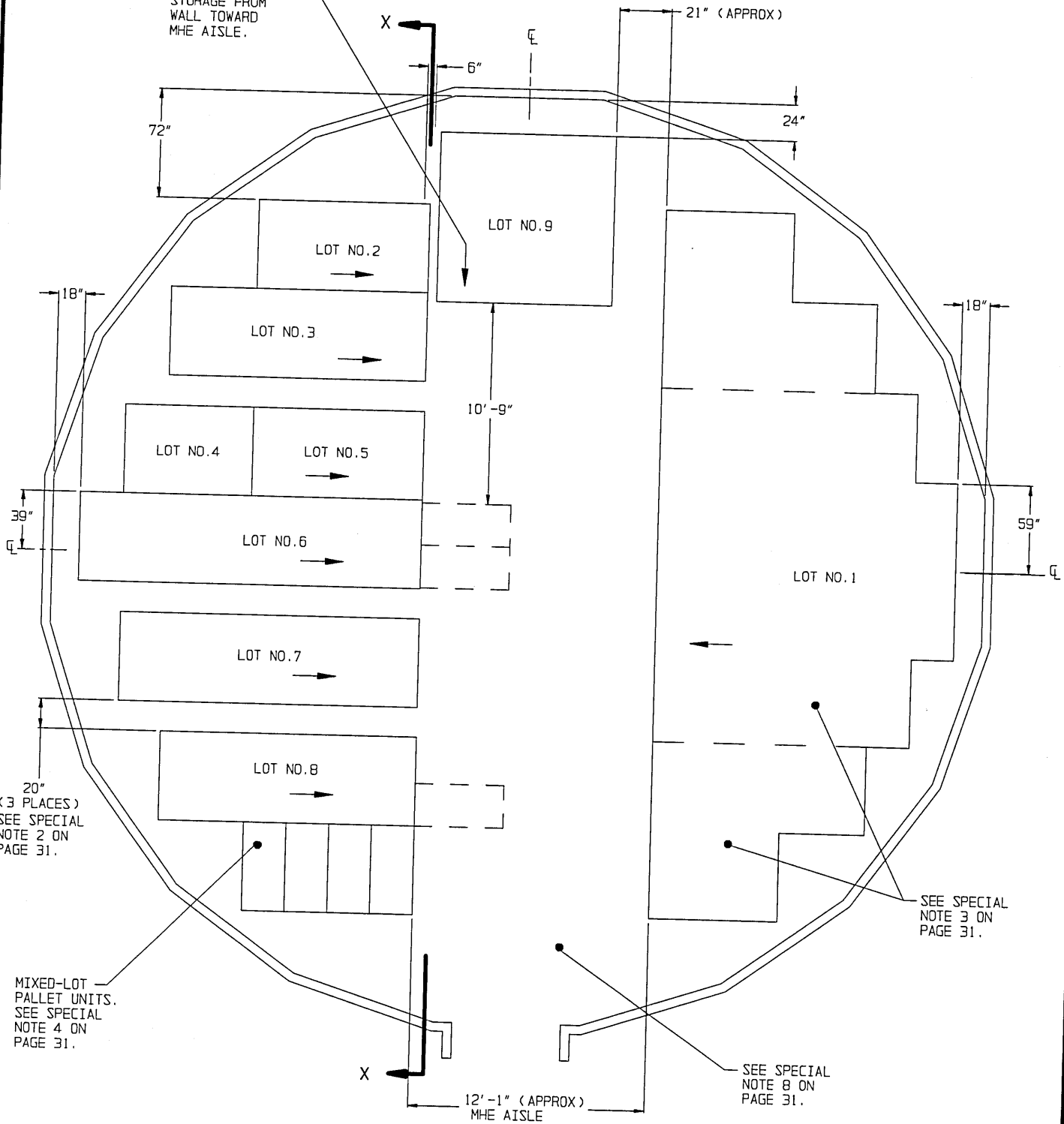
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**(SPECIAL NOTES CONTINUED)**

6. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.
7. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
8. AREAS ENCLOSED 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, RELATIVE TO "12 LIFTS", 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 13'-3" MHE OPERATING AREA HAS BEEN SPECIFIED FOR ACCESS TO EACH "ADDITIONAL STORAGE 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 TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON ONE SIDE OF A MAGAZINE AND AN "ADDITIONAL STORAGE LOCATION") IS TO BE AT LEAST 62 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 62 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A MAGAZINE. HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS OF STORAGE RESULTS.

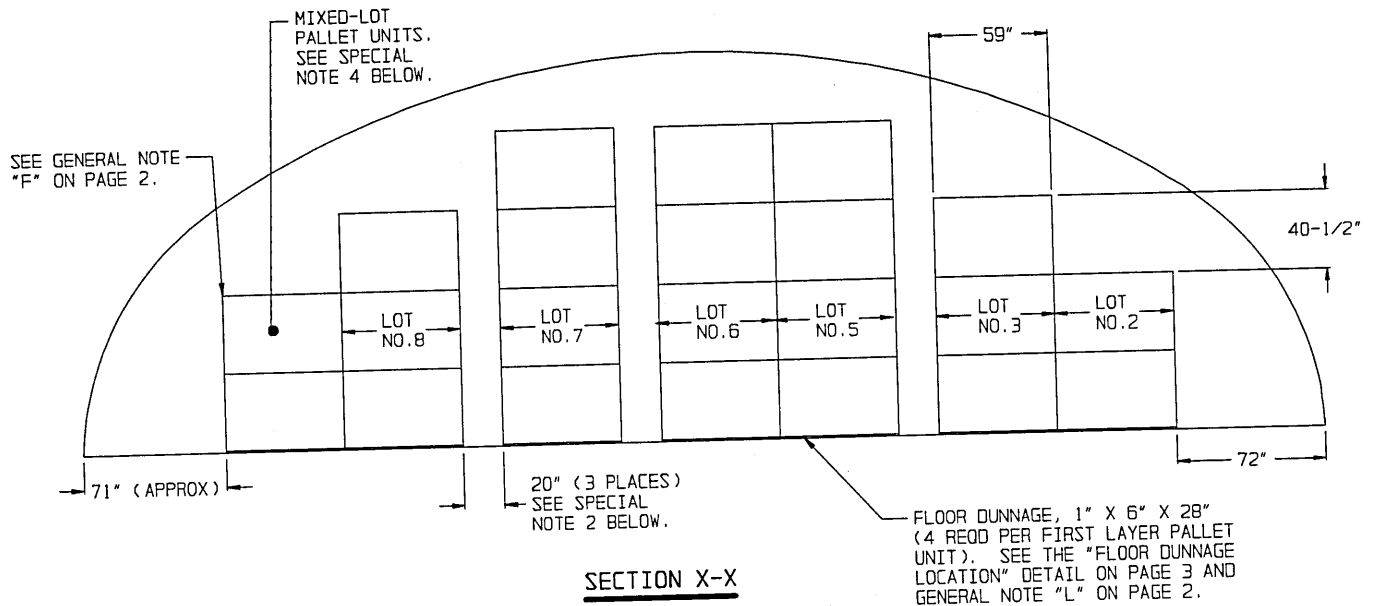
**TYPICAL MULTIPLE-LOT STORAGE IN STRADLEY MAGAZINE**

ARROWS INDICATE  
DIRECTION OF  
STORAGE FROM  
WALL TOWARD  
MHE AISLE.



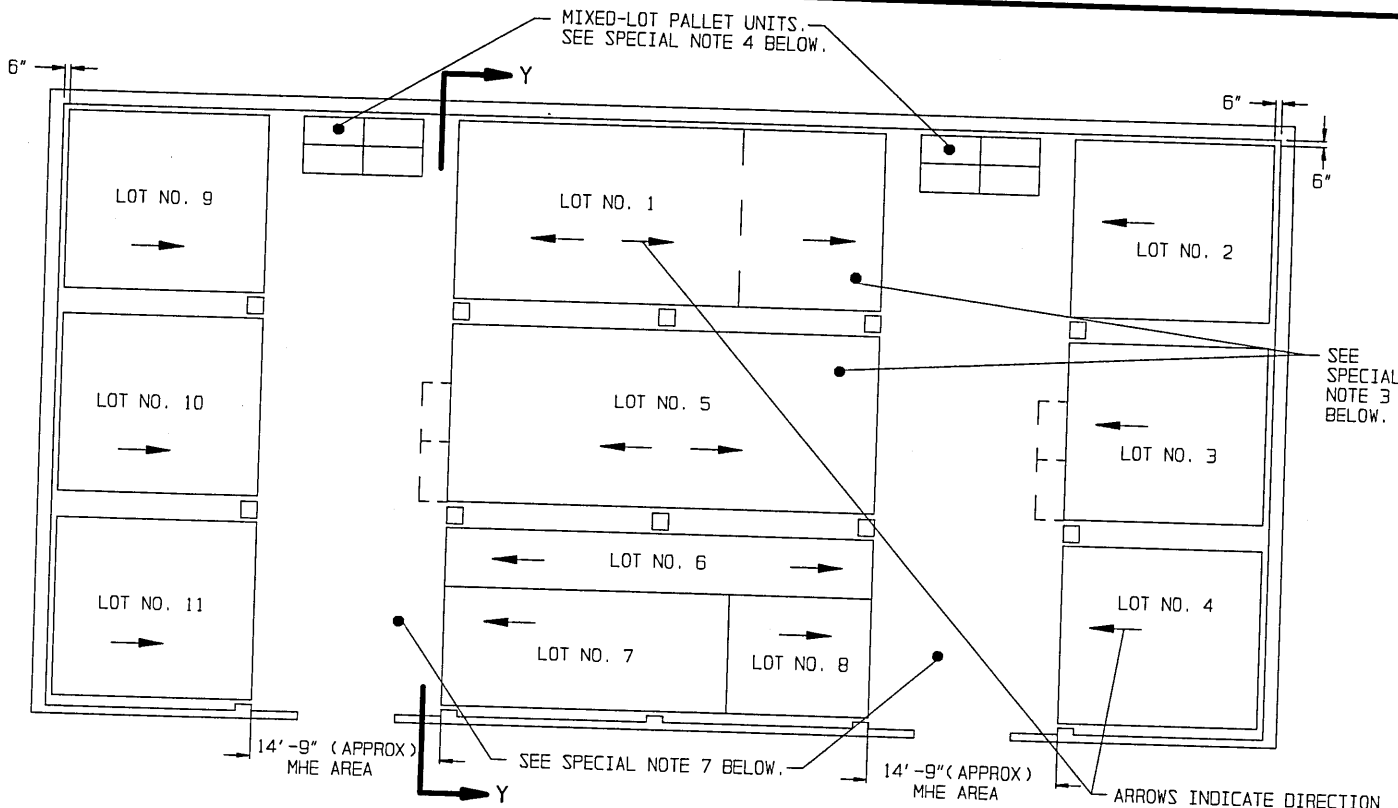
**PLAN VIEW**

(52'-0" DIA MAGAZINE)



**SPECIAL NOTES:**

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE AND ON PAGE 30 ARE TYPICAL ONLY. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
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 THE GENERAL NOTES ON PAGE 2.
4. A MIXED-LOT PALLET UNIT MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARDS TO AS MANY DIFFERENT LOTS AS CONTAINERS WITHIN THAT UNIT. HOWEVER, ALL 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) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THE SINGLE-LOT OR MIXED-LOT UNITS. A "LIFT" MAY CONSIST OF ONE (1) OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
6. FOR STORAGE OF MULTIPLE LOTS, THE DISTANCE FROM THE SIDEWALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR MHE.
7. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
8. AREAS ENCLOSED BY DOTTED LINES INDICATE LOCATIONS WHERE ADDITIONAL LOTS MAY BE STORED OR WHERE ADDITIONAL ITEMS MAY BE STORED, THAT ARE FROM A LOT OR LOTS ADJACENT TO THE MHE AISLE. 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, RELATIVE TO "12 LIFTS", WILL BE MAJOR FACTORS IMPACTING ON THE NUMBER OF PALLET 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. AN 10'-9" OPERATING AREA HAS BEEN SPECIFIED 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. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON ONE SIDE OF A MAGAZINE AND AN "ADDITIONAL STORAGE LOCATION") IS TO BE AT LEAST 65 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 65 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A MAGAZINE, HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS IN STORAGE RESULTS.



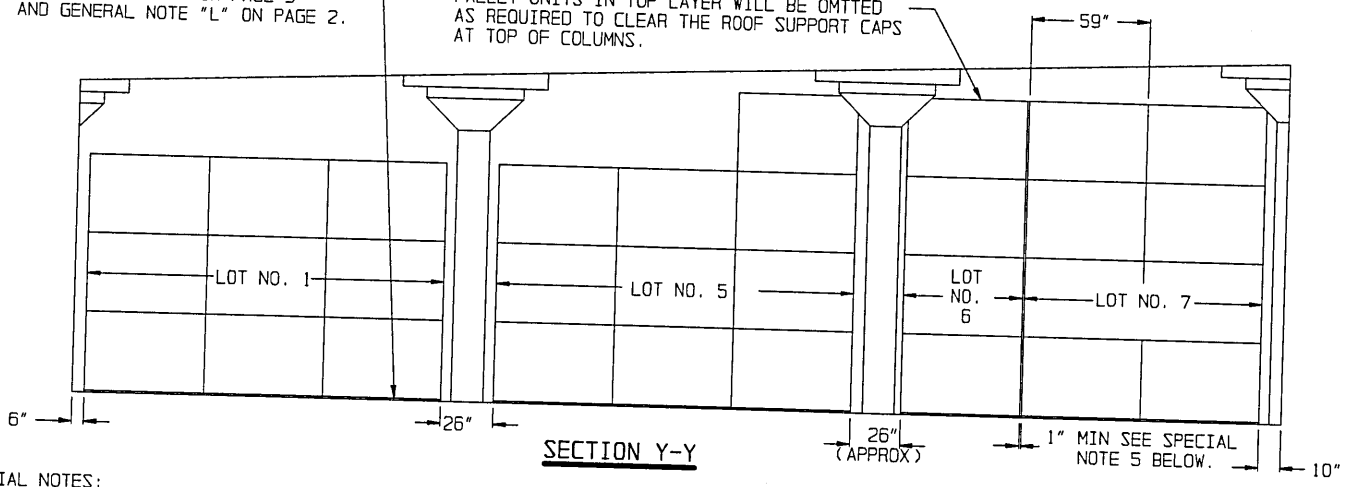
**PLAN VIEW**

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

FLOOR DUNNAGE, 1" X 6" X 28"  
(4 REOD PER FIRST LAYER PALLET  
UNIT). SEE THE "FLOOR DUNNAGE  
LOCATION" DETAIL ON PAGE 3  
AND GENERAL NOTE "L" ON PAGE 2.

PALLET UNITS IN TOP LAYER WILL BE OMITTED  
AS REQUIRED TO CLEAR THE ROOF SUPPORT CAPS  
AT TOP OF COLUMNS.

ARROWS INDICATE DIRECTION  
OF STORAGE FROM WALLS AND/  
OR CENTER AREA TOWARD THE  
MHE AISLE OF THE MAGAZINE.



**SECTION Y-Y**

**SPECIAL NOTES:**

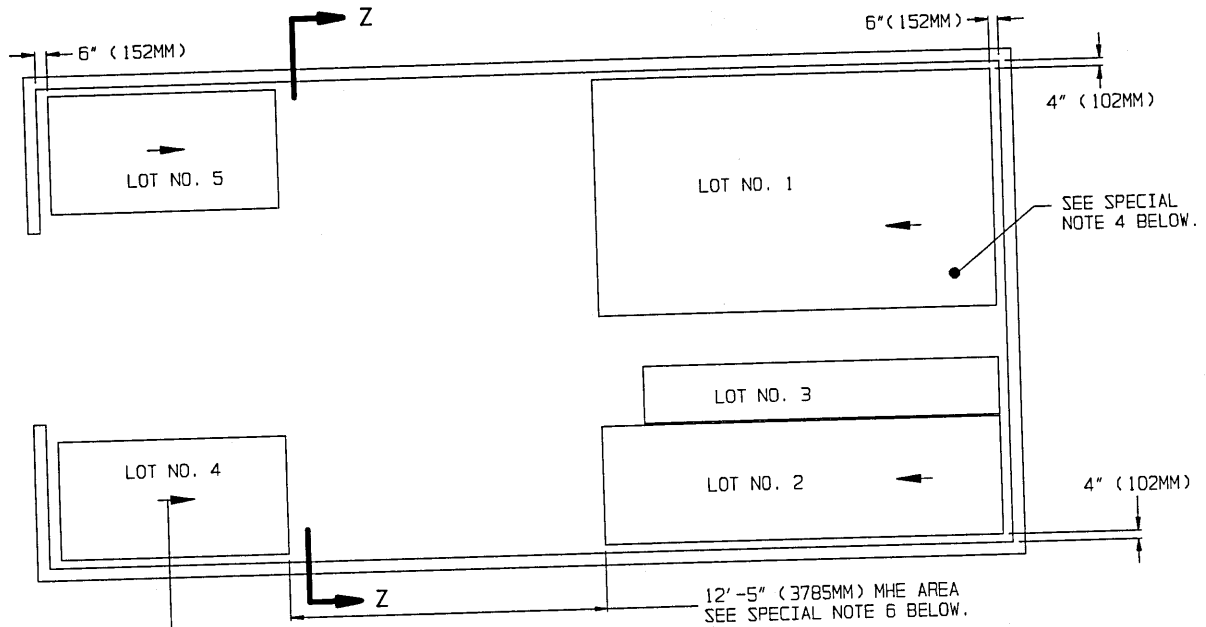
1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY, ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
3. GENERALLY, THE LARGEST LOT SHOULD 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 SMALLER SIZED LOTS, OR AS TYPICALLY SHOWN 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 MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARDS TO AS MANY DIFFERENT LOTS AS CONTAINERS WITHIN THAT UNIT. HOWEVER, ALL LOTS WITHIN THE PALLET UNIT MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.

**(SPECIAL NOTES CONTINUED)**

5. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
6. 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 TWENTY-FOUR (24) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THE SINGLE-LOT OR MIXED-LOT UNITS. A "LIFT" MAY CONSIST OF ONE (1) OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF THE MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
7. THE MHE AISLE MAY BE USED TO STORE ADDITIONAL LOTS, OR ADDITIONAL ITEMS THAT ARE FROM A LOT OR LOTS ADJACENT TO THE MHE AISLE, AS SHOWN IN THE AREAS ENCLOSED BY DOTTED LINES. ADEQUATE SPACE FOR MHE OPERATION MUST BE AVAILABLE FOR THE ADDITIONAL STORAGE. ALSO COMPLIANCE WITH ALL OF THE MULTIPLE LOT CRITERIA AS SET FORTH ON THIS PAGE MUST BE OBSERVED.

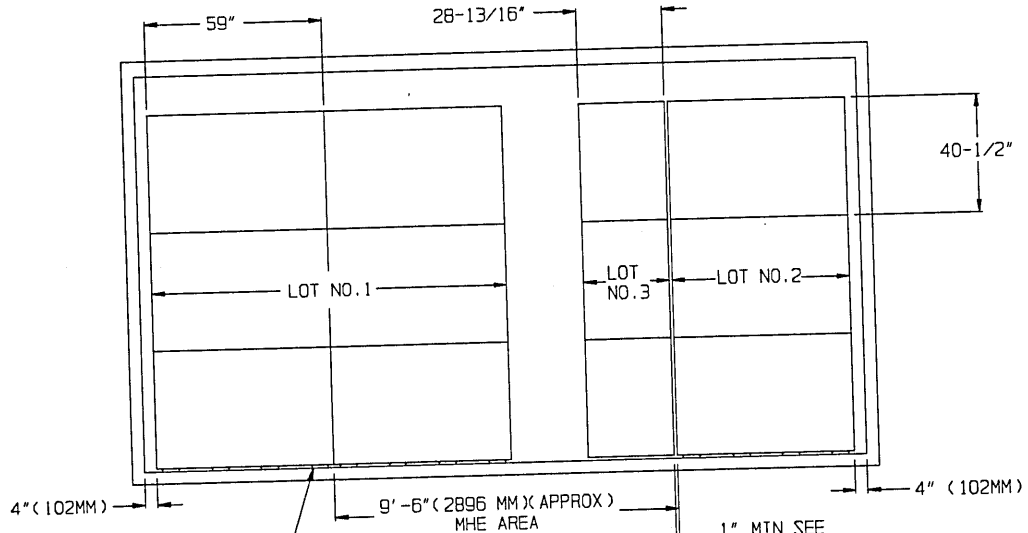
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ARROWS INDICATE DIRECTION OF STORAGE FROM FRONT AND/OR REAR TOWARD CENTER OF THE BUNKER.

**PLAN VIEW**  
(TYPE IV BUNKER)



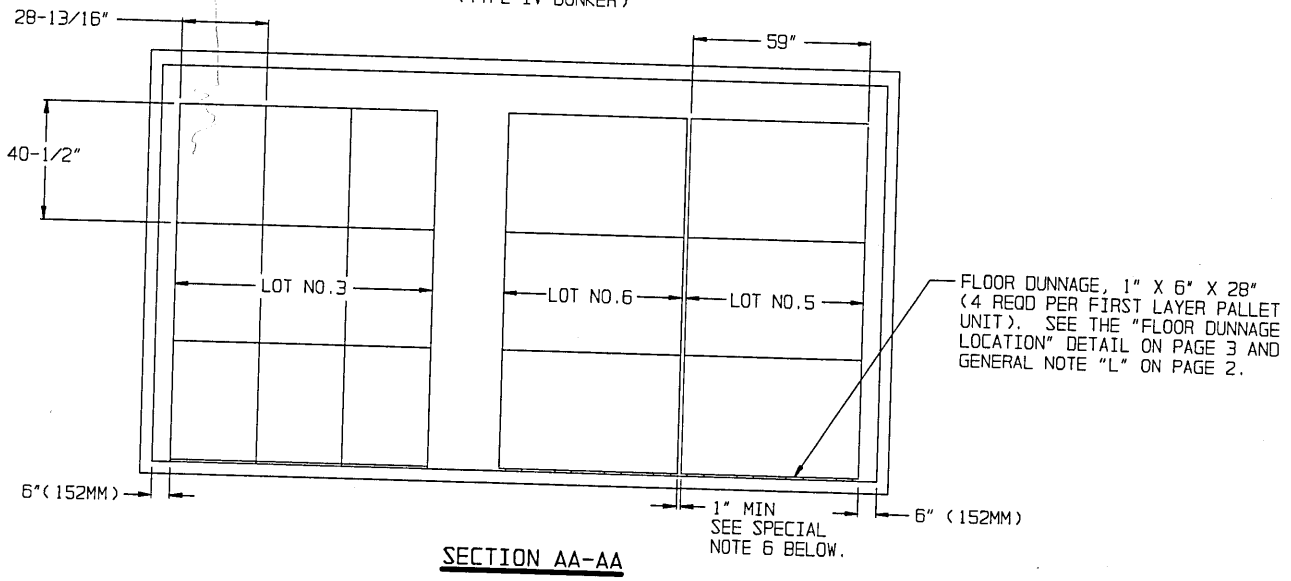
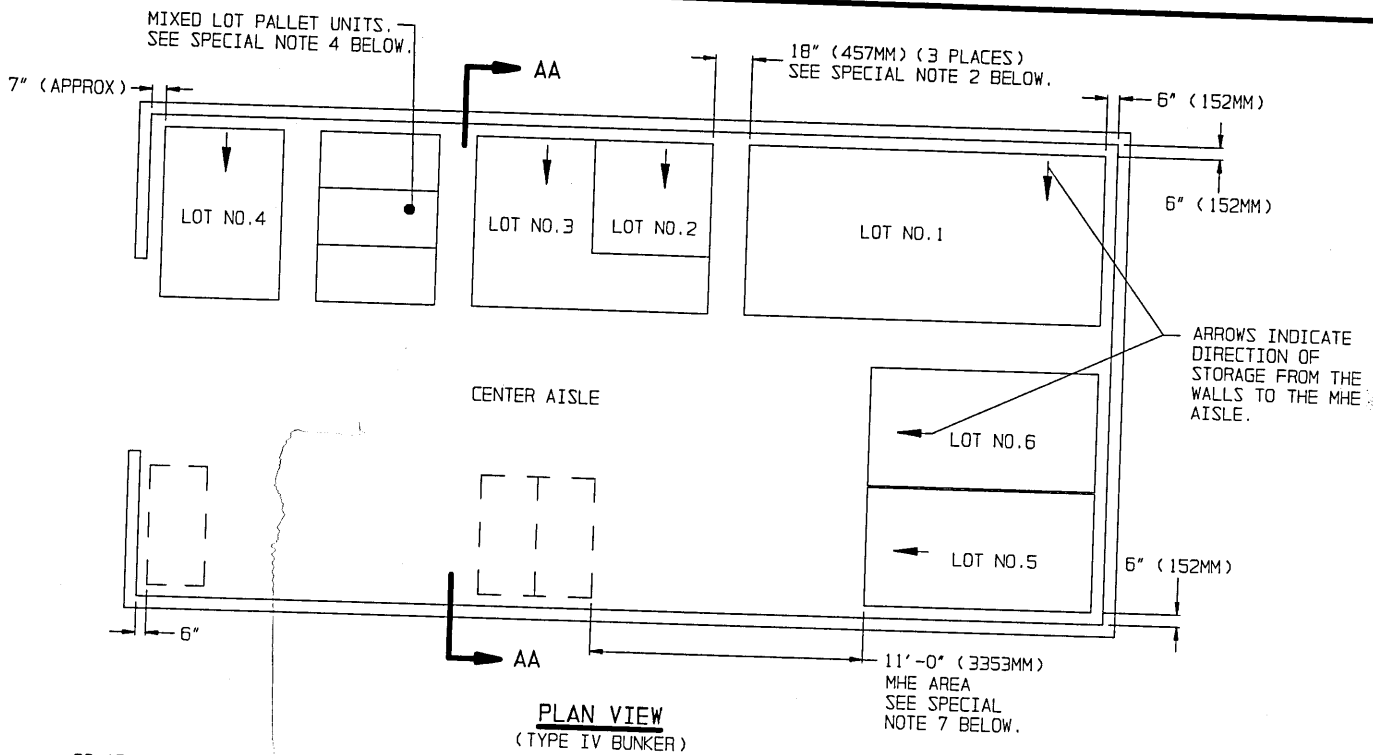
FLOOR DUNNAGE, 1" X 6" X 28" (4 REOD PER FIRST LAYER PALLET UNIT). SEE THE "FLOOR DUNNAGE LOCATION" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

**SECTION Z-Z**

(SPECIAL NOTES CONTINUED)

**SPECIAL NOTES:**

1. THE STORAGE PLANS AND CONFIGURATIONS SHOWN ON THIS PAGE ARE TYPICAL ONLY AND APPLY TO STORAGE OF RELATIVELY LARGE LOTS. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN BUNKER REQUIRE.
2. AN INSPECTION/INVENTORY AISLE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
3. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
4. GENERALLY THE LARGEST LOT SHOULD BE STORED IN THE REAR OF THE BUNKER. HOWEVER, THE REAR AREA MAY BE USED TO STORE MORE THAN ONE LOT BY ERECTING ROWS SIMILAR TO THOSE SHOWN IN THE FRONTAL AREA. A CENTER AISLE WILL NOT BE REQUIRED IN THE REAR AREA AS LONG AS EACH LOT IS ACCESSIBLE FOR REMOVAL AND INSPECTION/INVENTORY IN ACCORDANCE WITH OTHER CRITERIA SPECIFIED IN THESE SPECIAL NOTES AND IN THE GENERAL NOTES ON PAGE 2. (CONTINUED AT RIGHT)
5. EACH LOT WITHIN THE BUNKER MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. A SINGLE-LOT OF PALLET UNITS IS CONSIDERED "ACCESSIBLE" IF NOT MORE THAN TWELVE (12) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THAT LOT. A "LIFT" MAY CONSIST OF ONE (1) OR TWO (2) PALLET UNITS, PROVIDING THE CAPACITY OF MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
6. A 12'-5" MHE OPERATING AREA HAS BEEN SHOWN. THE MHE OPERATING AREA CAN BE ENLARGED AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON EACH SIDE OF THE MAGAZINE) IS TO BE AT LEAST 65 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 65 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN A BUNKER, HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS OF STORAGE RESULTS.



**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 BUNKER REQUIRE.
2. AN INSPECTION/INVENTORY AISLE NOT LESS THAN 18" WIDE MUST BE PROVIDED AT ONE SIDE OR END OF EACH LOT.
3. GENERALLY THE LARGEST LOT SHOULD BE STORED IN THE REAR OF THE BUNKER. 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 BUNKER, 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 MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARDS TO AS MANY DIFFERENT LOTS AS CONTAINERS WITHIN THAT UNIT. HOWEVER, ALL LOTS WITHIN THE PALLET UNIT MUST HAVE THE SAME NATIONAL STOCK NUMBER AND CONDITION CODE.

(CONTINUED AT RIGHT)

(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 TWELVE (12) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THE SINGLE LOT OR MIXED LOT UNITS. A "LIFT" MAY CONSIST OF ONE (1) OR TWO (2) PALLET UNITS, PROVIDING THE CAPACITY OF THE MHE PERMITS AND SAFE HANDLING IS NOT JEOPARDIZED.
6. WHEN TWO LOTS ARE STORED ADJACENT TO EACH OTHER, THEY SHOULD BE SEPARATED BY AT LEAST 1" TO PROVIDE CLEARANCE FOR REMOVAL OF EITHER LOT.
7. AREA ENCLOSED 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 ACROSS THE CENTER AISLE ON THE OTHER SIDE OF THE BUNKER. AN 11'-0" MHE OPERATING AREA HAS BEEN SHOWN. THE MHE OPERATING AREA CAN BE ENLARGED AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, AND SHOULD BE MADE SMALLER IF AVAILABLE MHE PERMITS. A "CENTER AISLE" (SPACE BETWEEN STORAGE ON EACH SIDE OF THE BUNKER) IS TO BE AT LEAST 65 INCHES WIDE. AN AISLE SLIGHTLY WIDER THAN 65 INCHES WILL ENHANCE FORKLIFT TRUCK MOVEMENT WITHIN THE BUNKER, HOWEVER, THIS AISLE SHOULD NOT BE MADE WIDER IF A LOSS IN STORAGE RESULTS.