

STORAGE IN APPROVED MAGAZINES OF CHARGE, DEMOLITION, LINEAR, HE M59 AND PRACTICE M69, IN METAL SHIPPING AND STORAGE CONTAINER

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U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, U.S. ARMY INDUSTRIAL OPERATIONS COMMAND

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APPROVED BY ORDER OF COMMANDING GENERAL, U.S.
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JANUARY 1986

CLASS

DIVISION

DRAWING

FILE

REVISION/NO. 1

FEBRUARY 1986

19

48

4209

1-3-4-14
22J1009

SEE REVISION LISTING ON PAGE 2.

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 LINEAR DEMOLITION CHARGES, HE M59 AND PRACTICE M69 IN METAL SHIPPING AND STORAGE CONTAINER. SUBSEQUENT REFERENCE TO CONTAINER MEANS THE SHIPPING AND STORAGE CONTAINER WITH CONTENTS.
- C. FOR DETAILS OF THE SHIPPING AND STORAGE CONTAINER, SEE THE DETAIL ON PAGE 3.

CONTAINER DIMENSIONS - 43-1/2" L X 35-1/4" W X 57-1/2" H
 GROSS WEIGHT (APPROX):
 WITH HE COMP C4, M59 CHARGE, DODIC ML25 - - 2,500 LBS
 WITH PRACTICE ELECTRIC,
 M69 CHARGE, DODIC ML26 - - - - - 2,390 LBS
 CUBE - - - - - 51 CU FT

- D. THIS ITEM, WHEN AN M59 CHARGE, IS A QD CLASS 1.1, COMP GROUP D EXPLOSIVE; WHEN AN M69 CHARGE, IS INERT.
- E. 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.
- F. AISLE DIMENSIONS AS SHOWN HEREIN MAY BE ADJUSTED TO SUIT LOCAL CONDITIONS AND/OR AVAILABLE MATERIAL HANDLING EQUIPMENT.
- G. 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. SEE GENERAL NOTE "N".
- H. FLOOR DUNNAGE, 1" X 6" X 36", AS DEPICTED IN THE STORAGE VIEWS, IS REQUIRED UNDER EACH END OF EACH FIRST LAYER CONTAINER. RANDOM LENGTH MATERIAL MAY BE USED, IF DESIRED.
- J. IF AVAILABLE MHE PERMITS, ADDITIONAL CONTAINERS MAY BE STORED WITHIN THE FRONTAL AREA AND/OR OTHER AVAILABLE AREA OF THE MAGAZINE.
- K. 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.
- L. OTHER COMPATIBLE ITEMS MAY BE STORED IN A MAGAZINE WHICH IS PARTIALLY FILLED WITH THE DESIGNATED ITEM.
- M. TO FACILITATE MHE PLACEMENT OF CONTAINERS INTO STACKS A 1" TO 2" SPACE BETWEEN CONTAINERS WAS ALLOWED IN THE STORAGE LAYOUTS SHOWN HEREIN.
- N. 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.

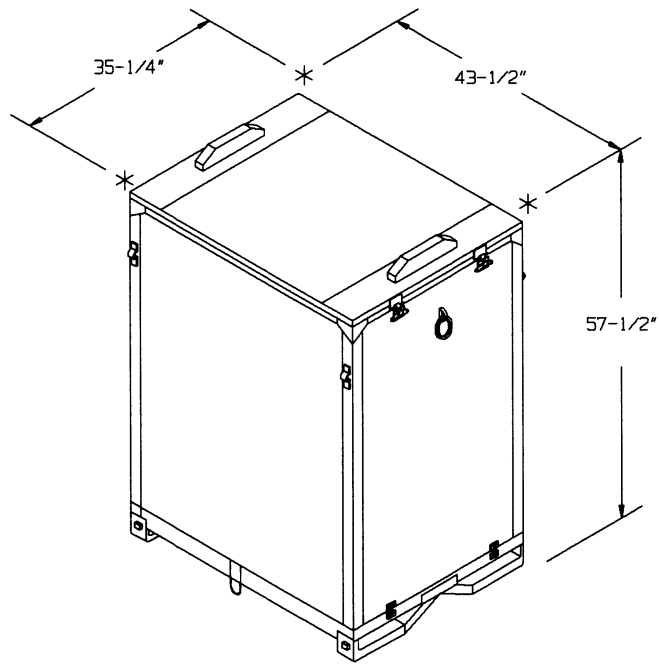
REVISION

REVISION NO. 1, DATED FEBRUARY 1996, CONSISTS OF:

- 1. CONVERTING DRAWING TO CAD.

MATERIAL SPECIFICATION

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

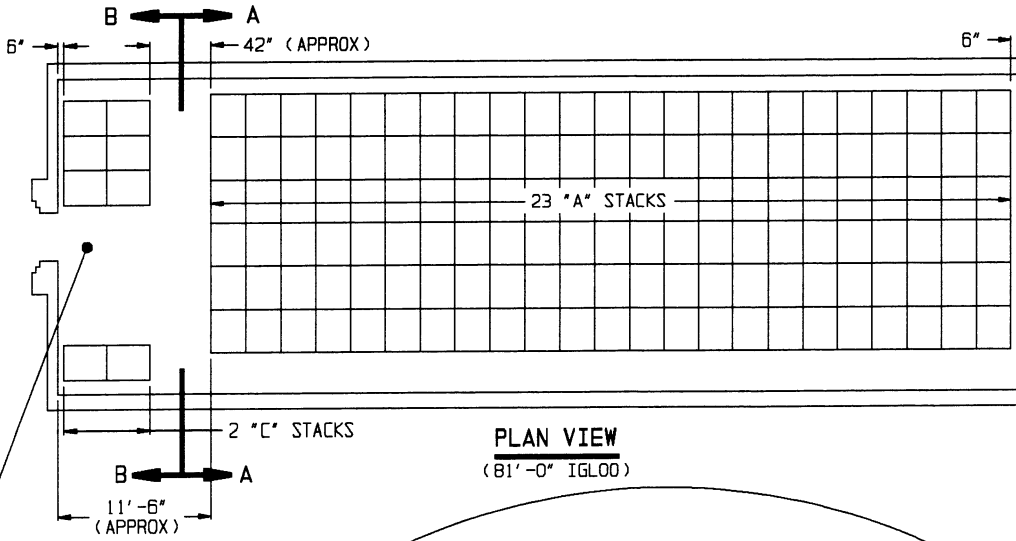


CONTAINER DETAIL

NOTE: FLOOR DUNNAGE IS REQUIRED
UNDER EACH FIRST LAYER CONTAINER.

CONTAINER DETAIL

STORAGE IN 81'-0" IGLOO

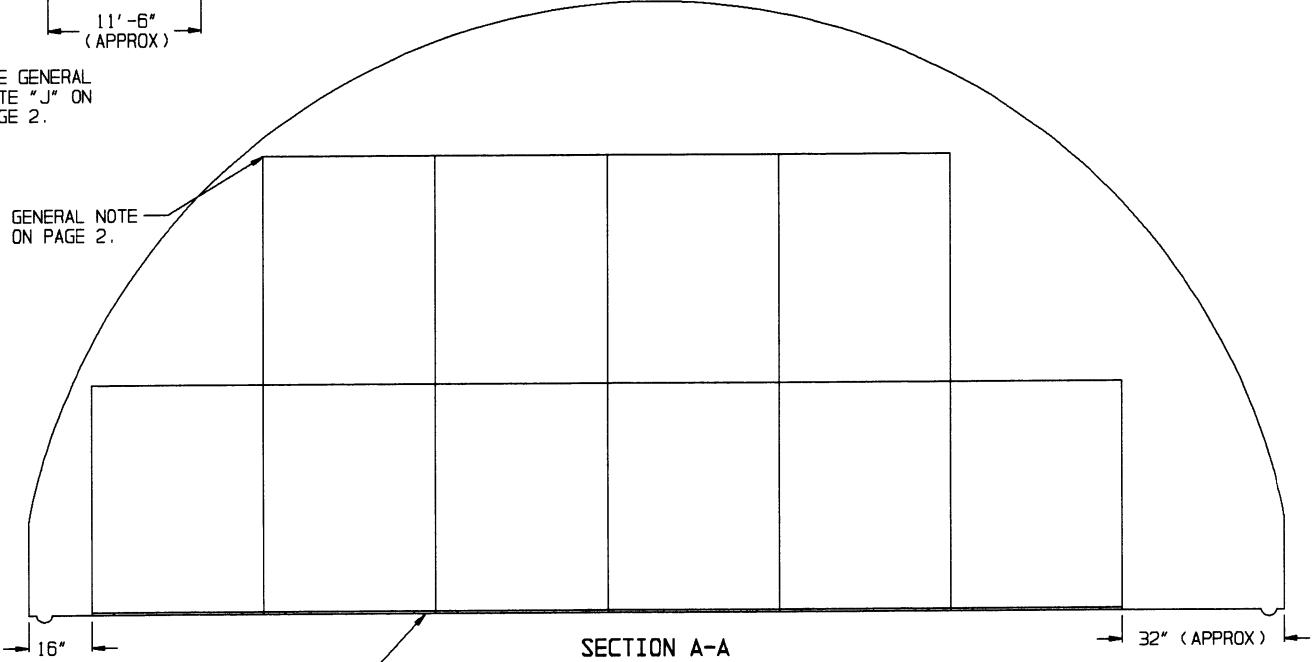


ITEM	QUANTITY
CONTAINER (12'-9" HIGH)	242

PLAN VIEW
(81'-0" IGLOO)

SEE GENERAL NOTE "J" ON PAGE 2.

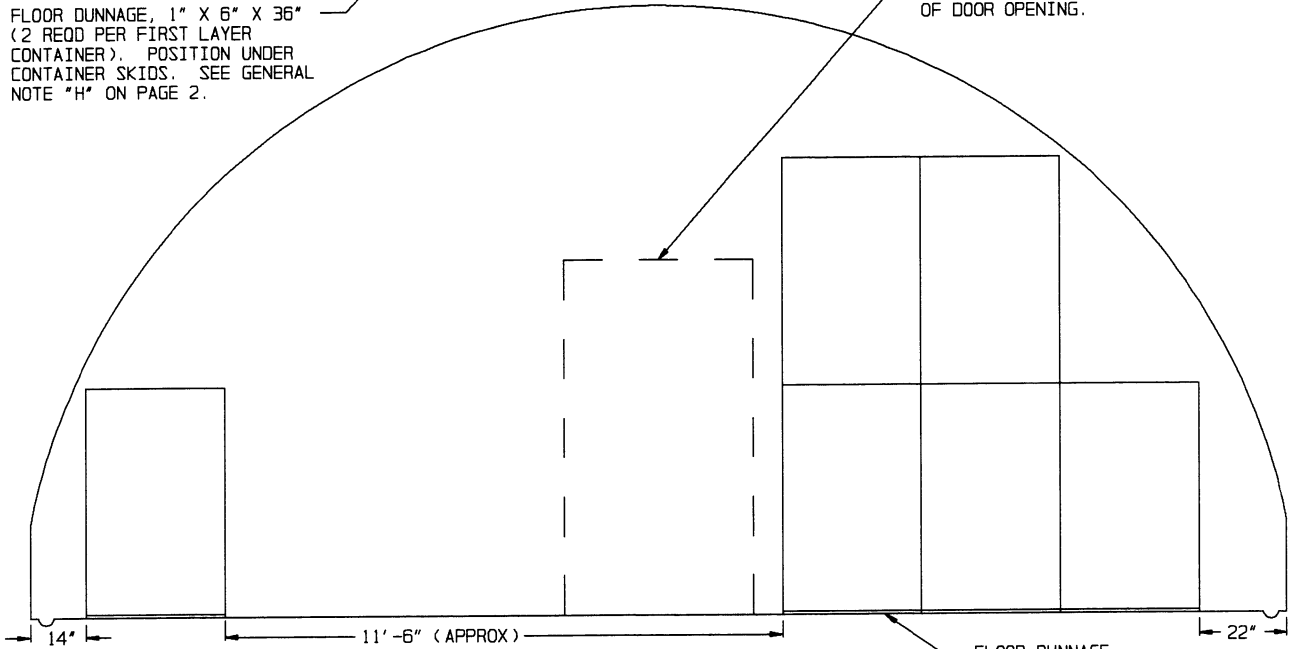
SEE GENERAL NOTE "K" ON PAGE 2.



SECTION A-A

FLOOR DUNNAGE, 1" X 6" X 36" (2 REQD PER FIRST LAYER CONTAINER). POSITION UNDER CONTAINER SKIDS. SEE GENERAL NOTE "H" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.



SECTION B-B

FLOOR DUNNAGE.

STORAGE IN 60'-8" IGLOO

(12'-9" HIGH)

ITEM QUANTITY

CONTAINER - - - - - 172

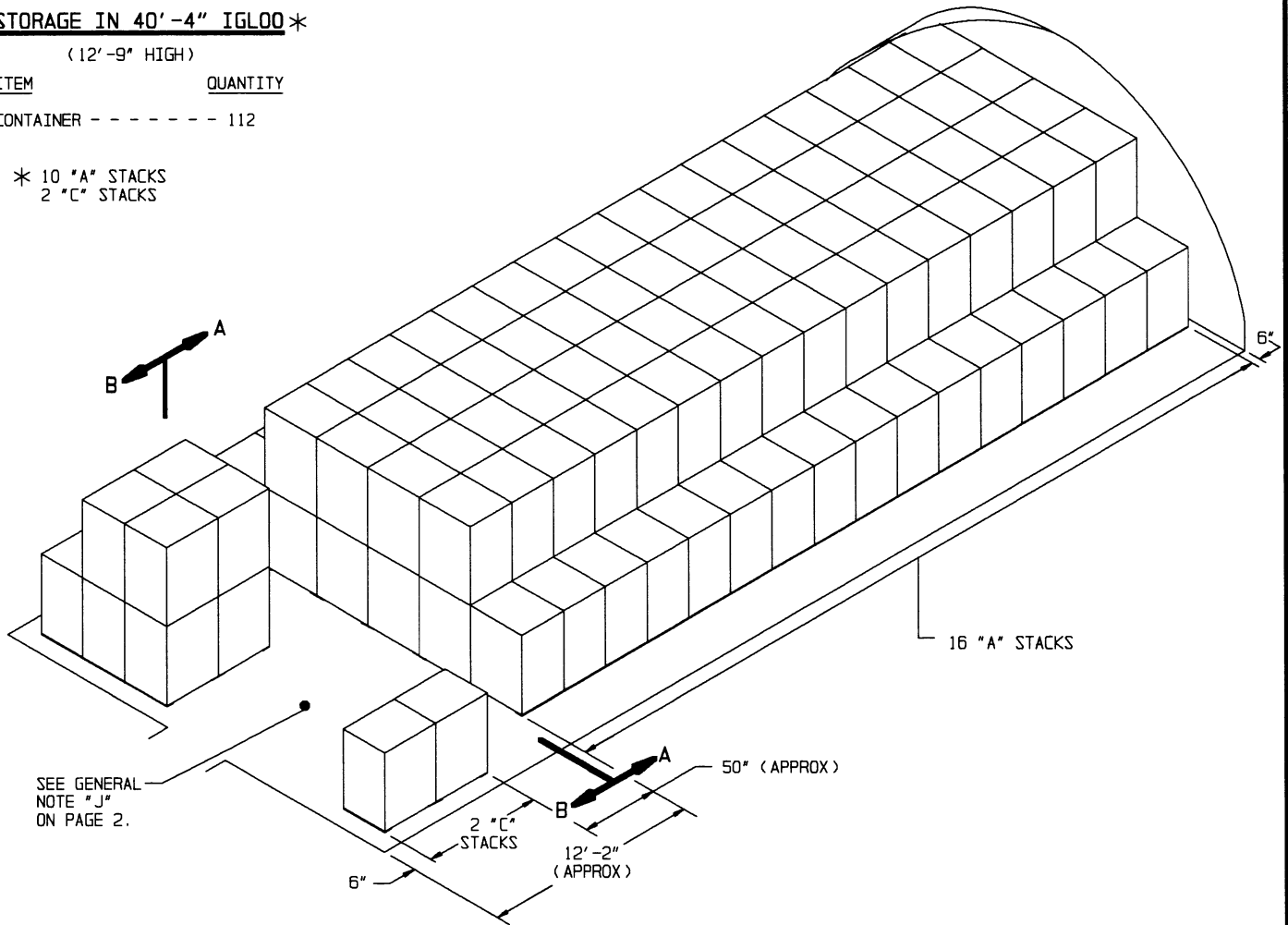
STORAGE IN 40'-4" IGLOO *

(12'-9" HIGH)

ITEM QUANTITY

CONTAINER - - - - - 112

* 10 "A" STACKS
2 "C" STACKS



SEE GENERAL NOTE "J" ON PAGE 2.

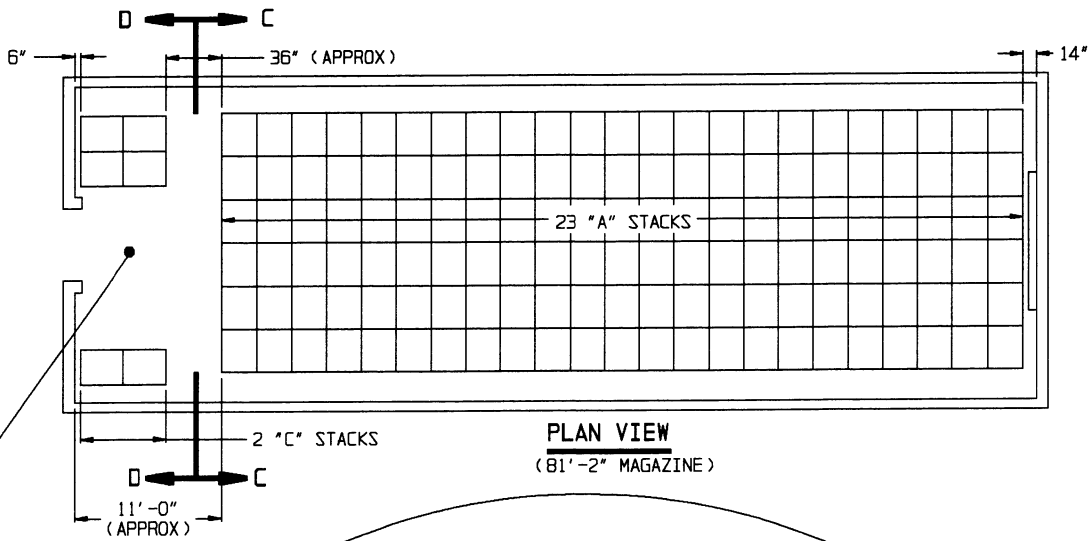
ISOMETRIC VIEW

(60'-8" IGLOO)

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

BILL OF MATERIAL (PER FIRST LAYER CONTAINER)

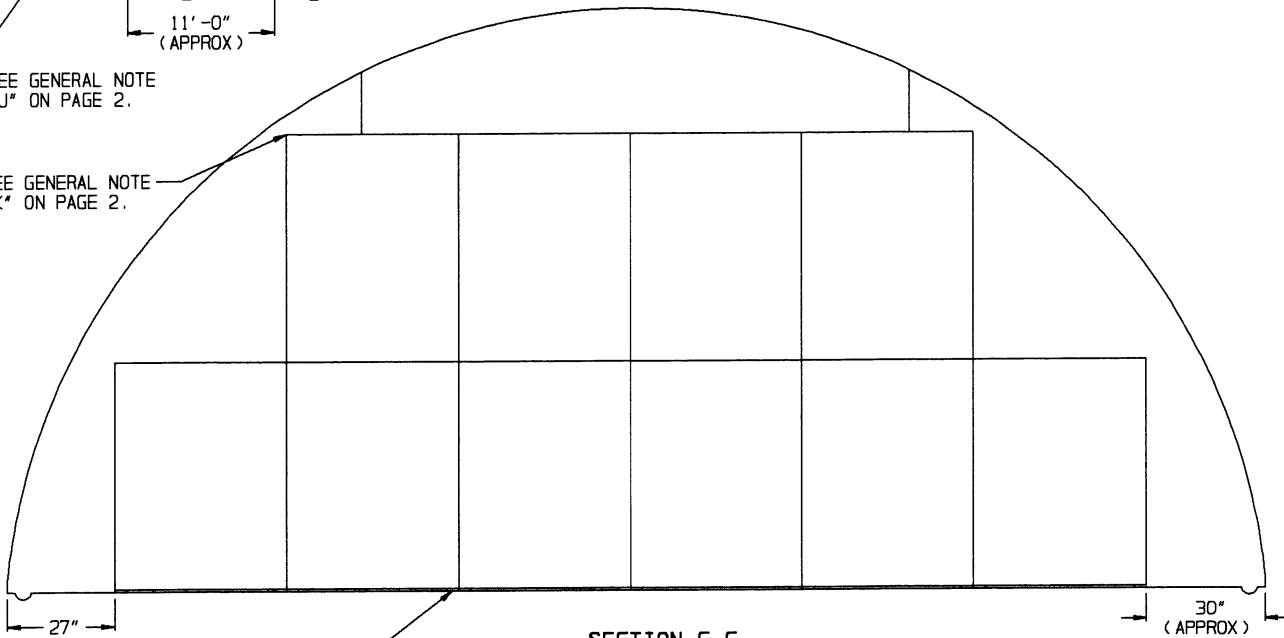
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	3



PLAN VIEW
(81'-2" MAGAZINE)

SEE GENERAL NOTE "J" ON PAGE 2.

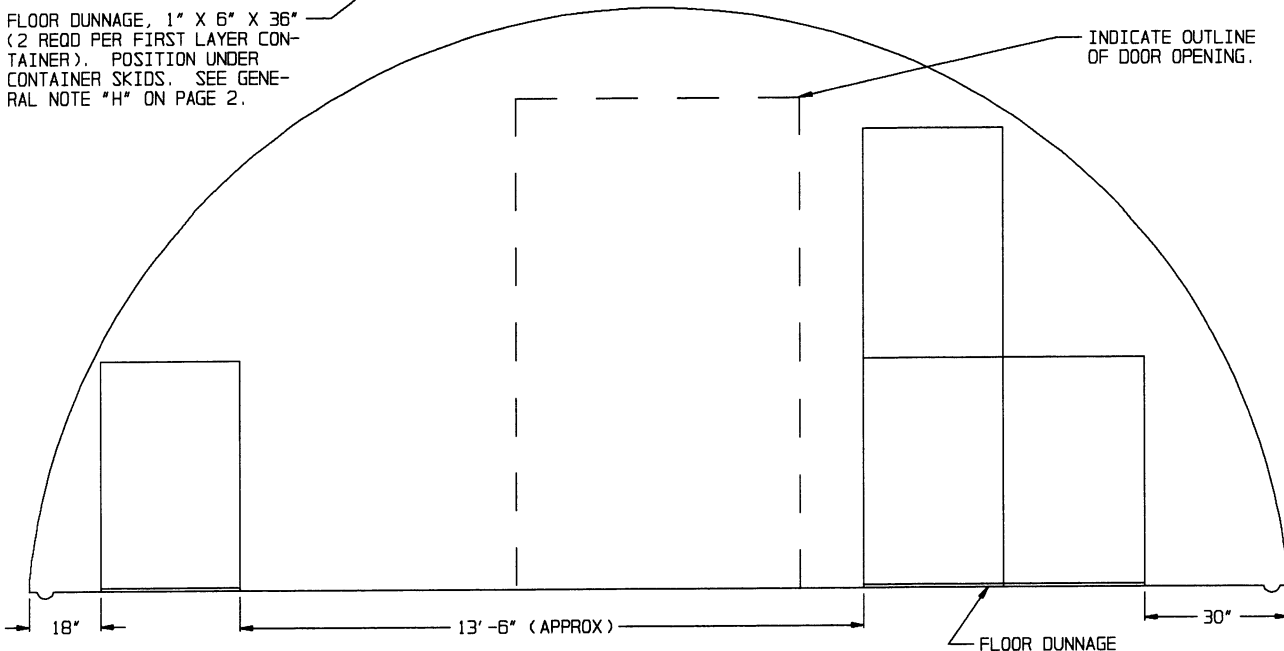
SEE GENERAL NOTE "K" ON PAGE 2.



SECTION C-C

FLOOR DUNNAGE, 1" X 6" X 36" (2 REOD PER FIRST LAYER CONTAINER). POSITION UNDER CONTAINER SKIDS. SEE GENERAL NOTE "H" ON PAGE 2.

INDICATE OUTLINE OF DOOR OPENING.



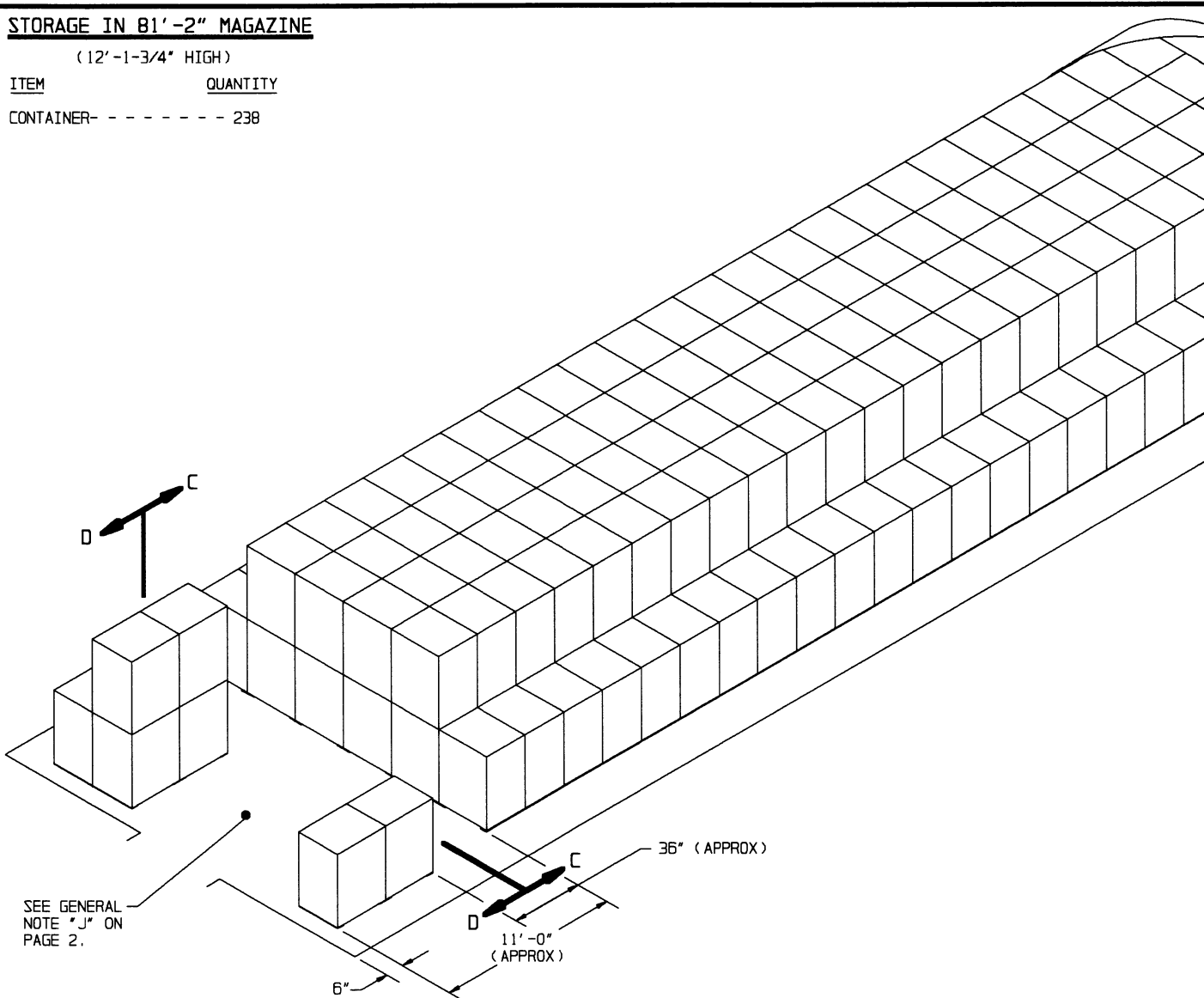
SECTION D-D

STORAGE IN 81'-2" MAGAZINE

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

ITEM QUANTITY

CONTAINER- - - - - 238



ISOMETRIC VIEW
(81'-2" MAGAZINE)

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

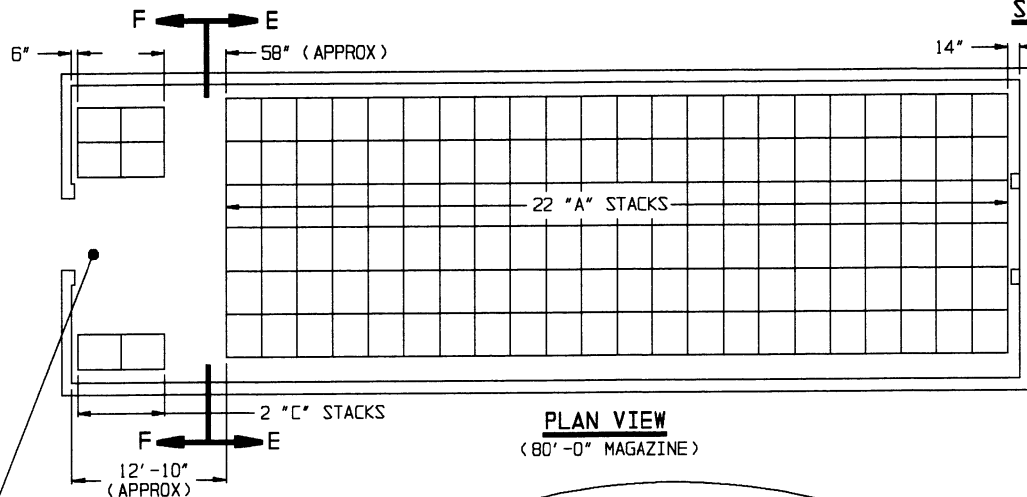
BILL OF MATERIAL (PER FIRST LAYER CONTAINER)

LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	3

STORAGE IN 80'-0" MAGAZINE

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

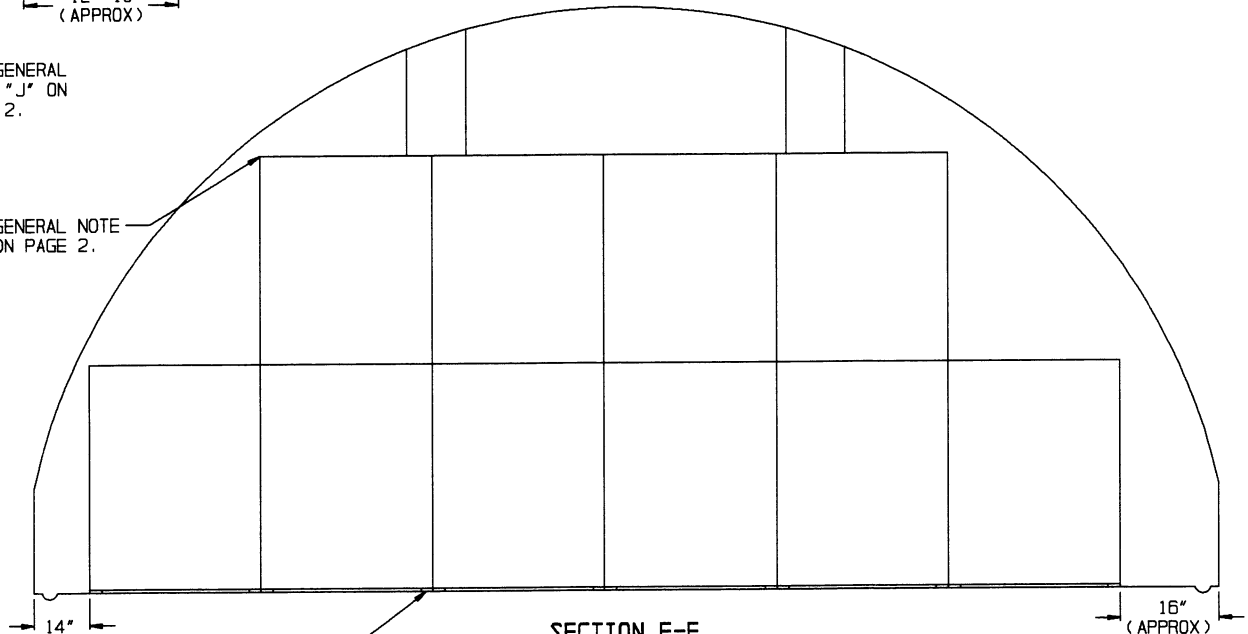
ITEM	QUANTITY
CONTAINER-	----- 228



PLAN VIEW
(80'-0" MAGAZINE)

SEE GENERAL NOTE "J" ON PAGE 2.

SEE GENERAL NOTE "K" ON PAGE 2.

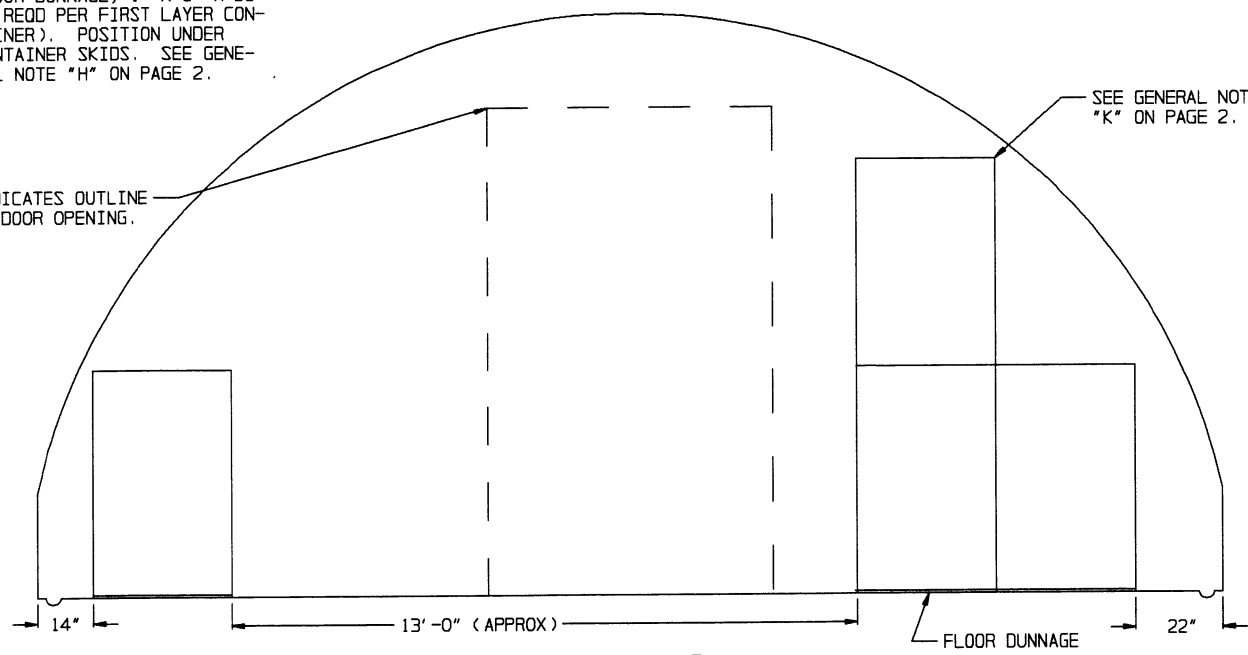


SECTION E-E

FLOOR DUNNAGE, 1" X 6" X 36" (2 REQD PER FIRST LAYER CONTAINER). POSITION UNDER CONTAINER SKIDS. SEE GENERAL NOTE "H" ON PAGE 2.

SEE GENERAL NOTE "K" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.



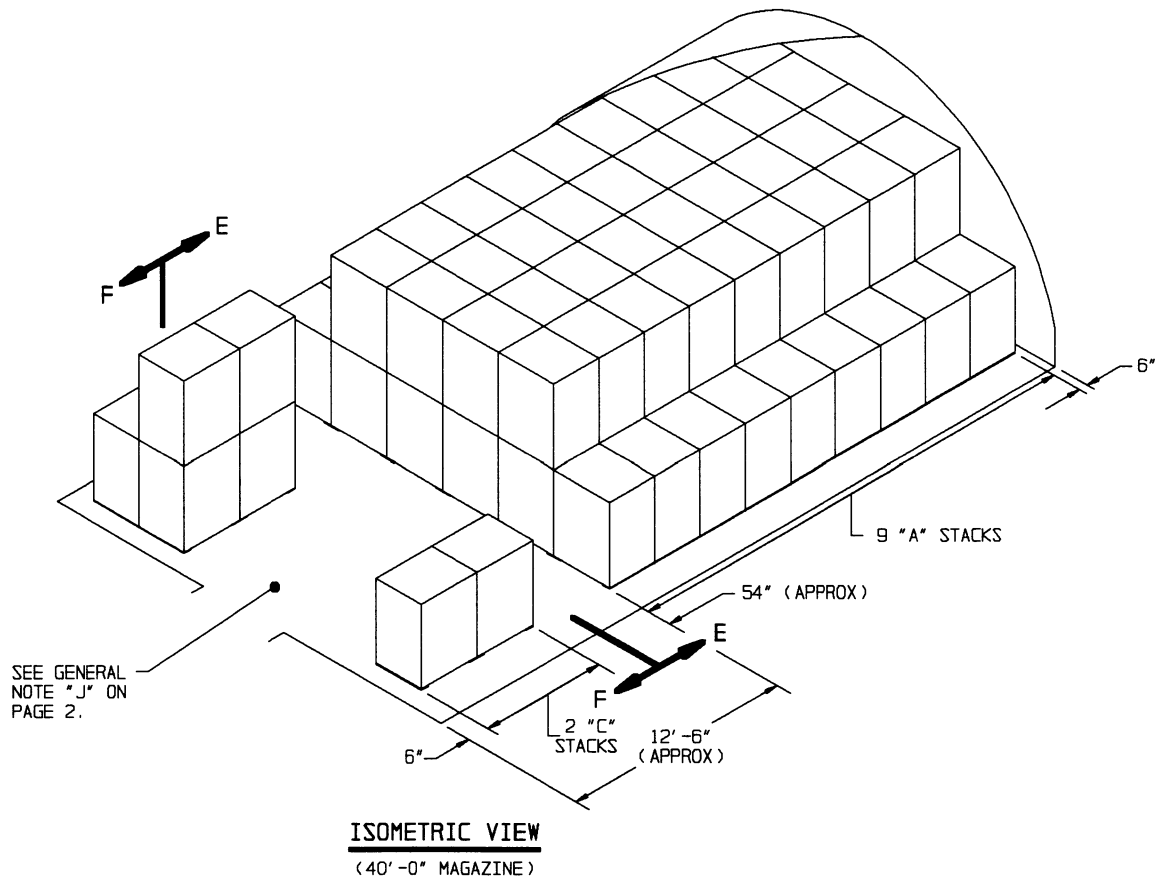
SECTION F-F

STORAGE IN 40'-0" MAGAZINE

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

ITEM QUANTITY

CONTAINER - - - - - 98

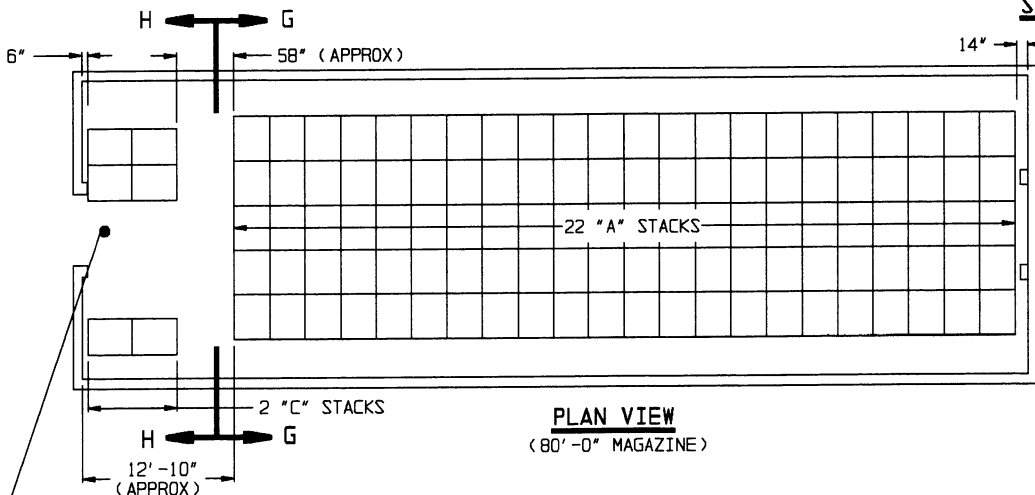


FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.

BILL OF MATERIAL (PER FIRST LAYER CONTAINER)		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	3

STORAGE IN 80'-0" MAGAZINE

(11'-0" HIGH)

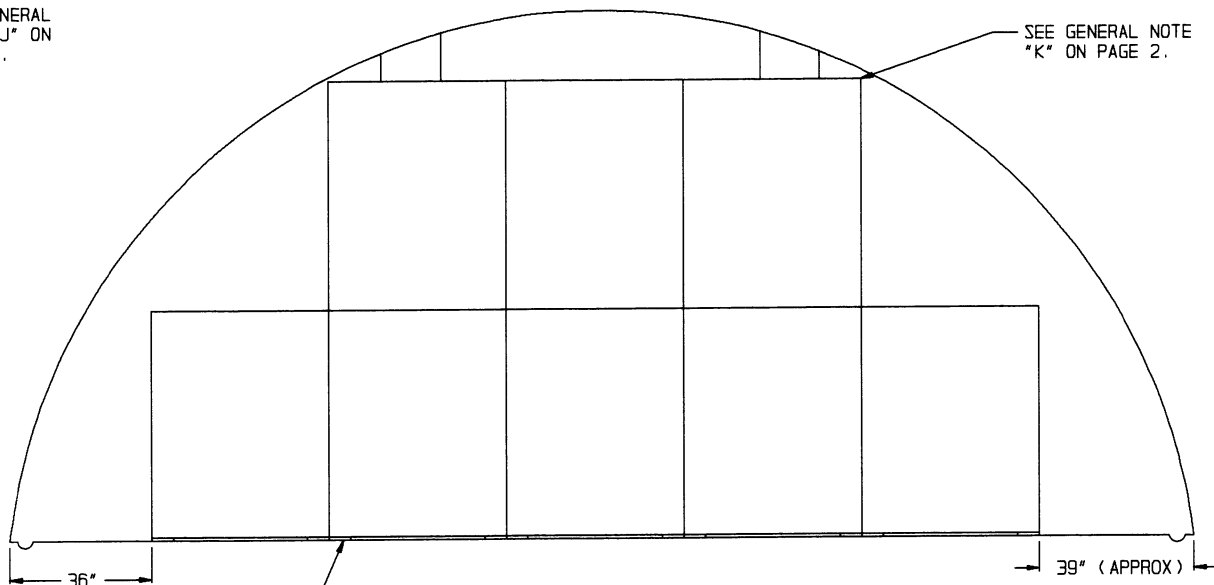


ITEM	QUANTITY
CONTAINER - - - - -	184

PLAN VIEW
(80'-0" MAGAZINE)

SEE GENERAL NOTE "J" ON PAGE 2.

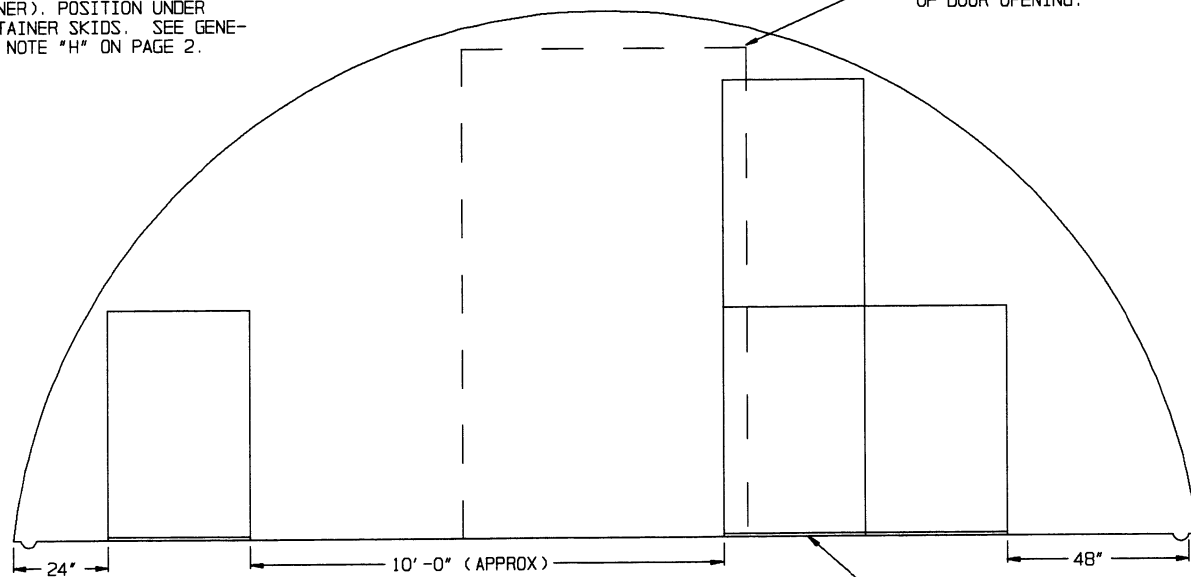
SEE GENERAL NOTE "K" ON PAGE 2.



SECTION G-G

FLOOR DUNNAGE, 1" X 6" X 36" (2 REQD PER FIRST LAYER CONTAINER). POSITION UNDER CONTAINER SKIDS. SEE GENERAL NOTE "H" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.



SECTION H-H

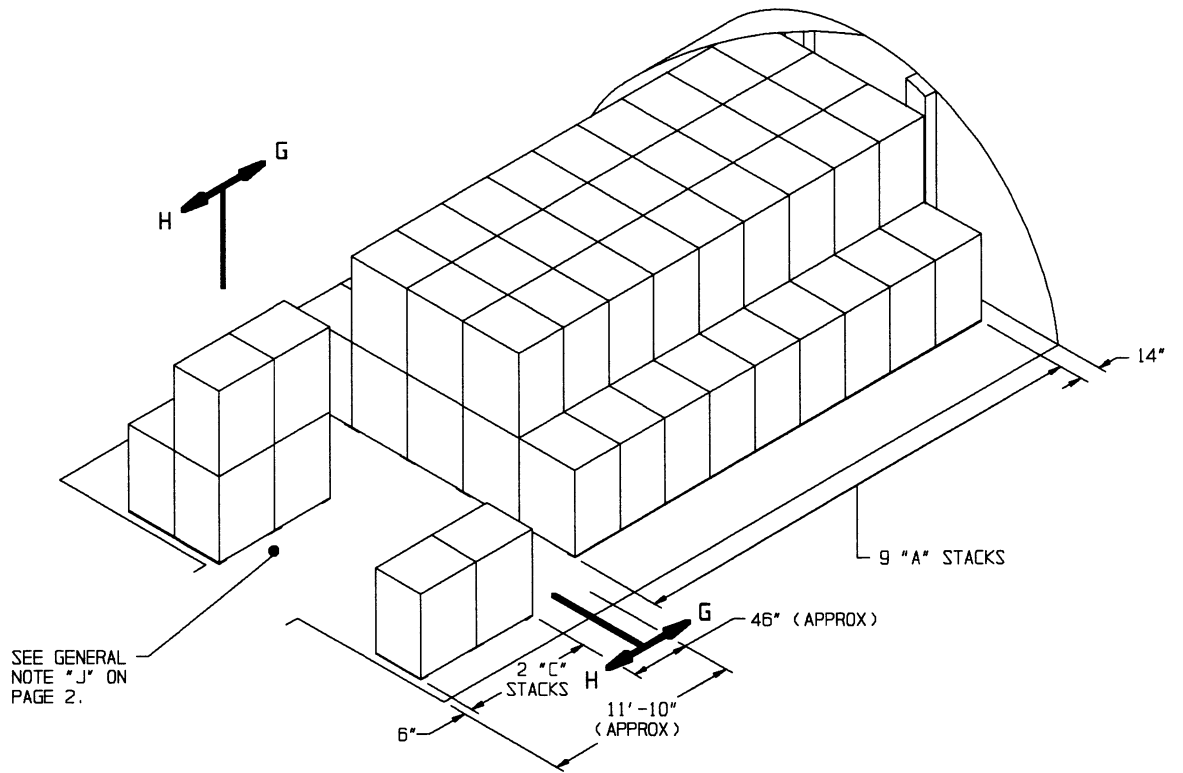
FLOOR DUNNAGE.

STORAGE IN 40'-0" MAGAZINE

(11'-0" HIGH)

ITEM QUANTITY

CONTAINER - - - - - 80



ISOMETRIC VIEW
(40'-0" MAGAZINE)

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

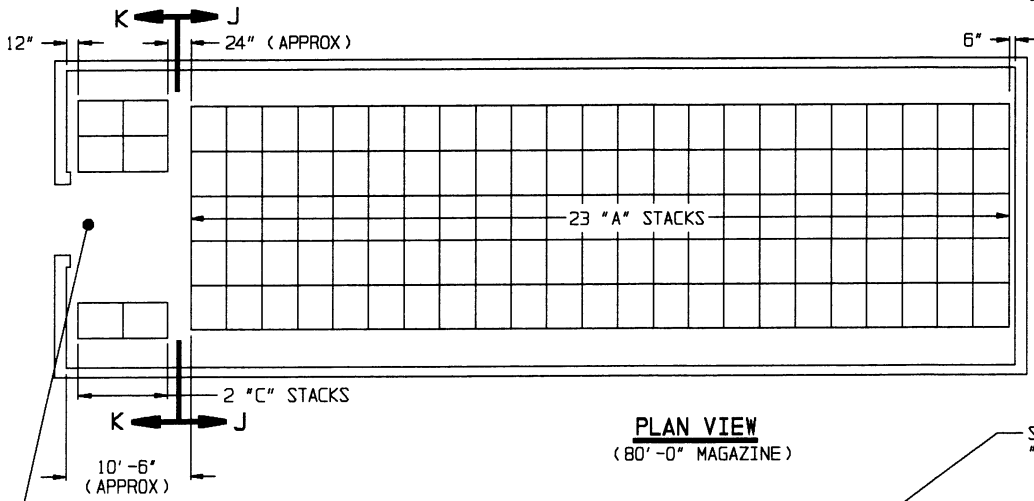
BILL OF MATERIAL (PER FIRST LAYER CONTAINER)

LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	3

STORAGE IN 80'-0" MAGAZINE

(10'-0" HIGH)

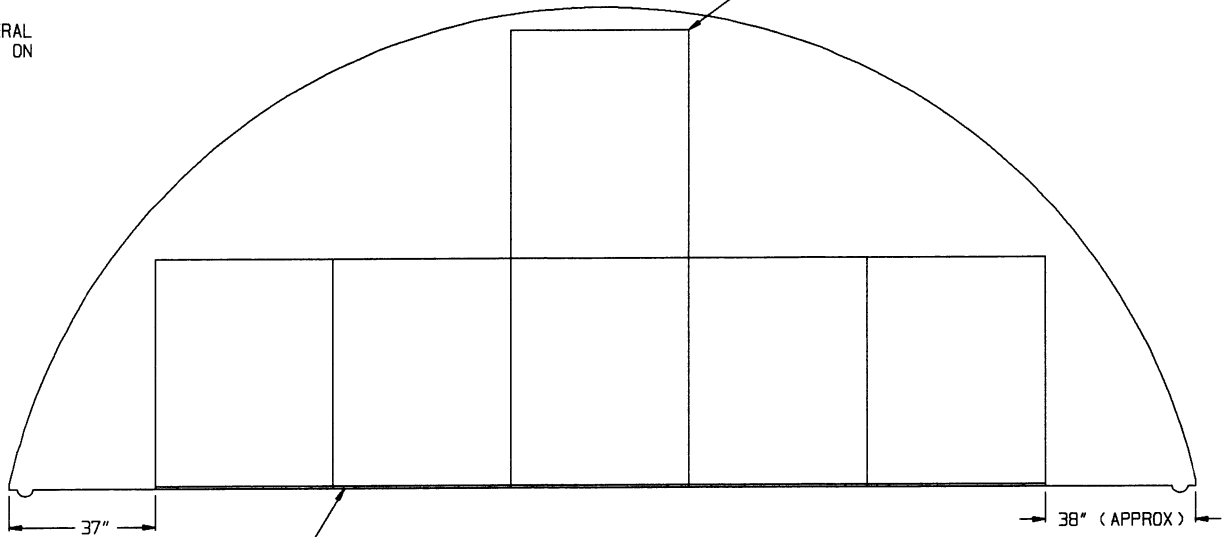
ITEM	QUANTITY
CONTAINER - - - - -	144



PLAN VIEW
(80'-0" MAGAZINE)

SEE GENERAL NOTE "K" ON PAGE 2.

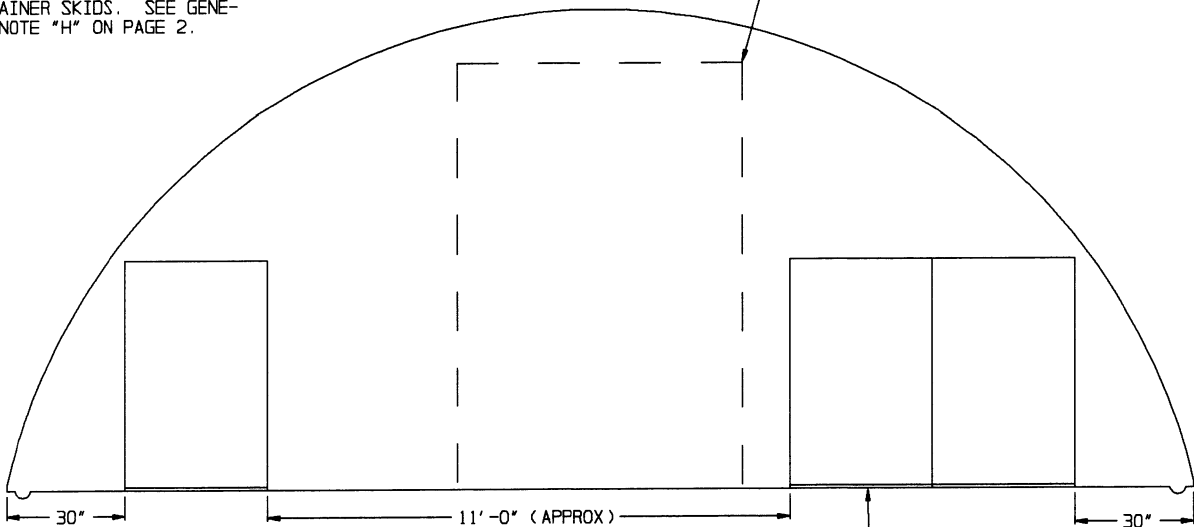
SEE GENERAL NOTE "J" ON PAGE 2.



SECTION J-J

FLOOR DUNNAGE, 1" X 6" X 36" (2 REQD PER FIRST LAYER CONTAINER). POSITION UNDER CONTAINER SKIDS. SEE GENERAL NOTE "H" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.



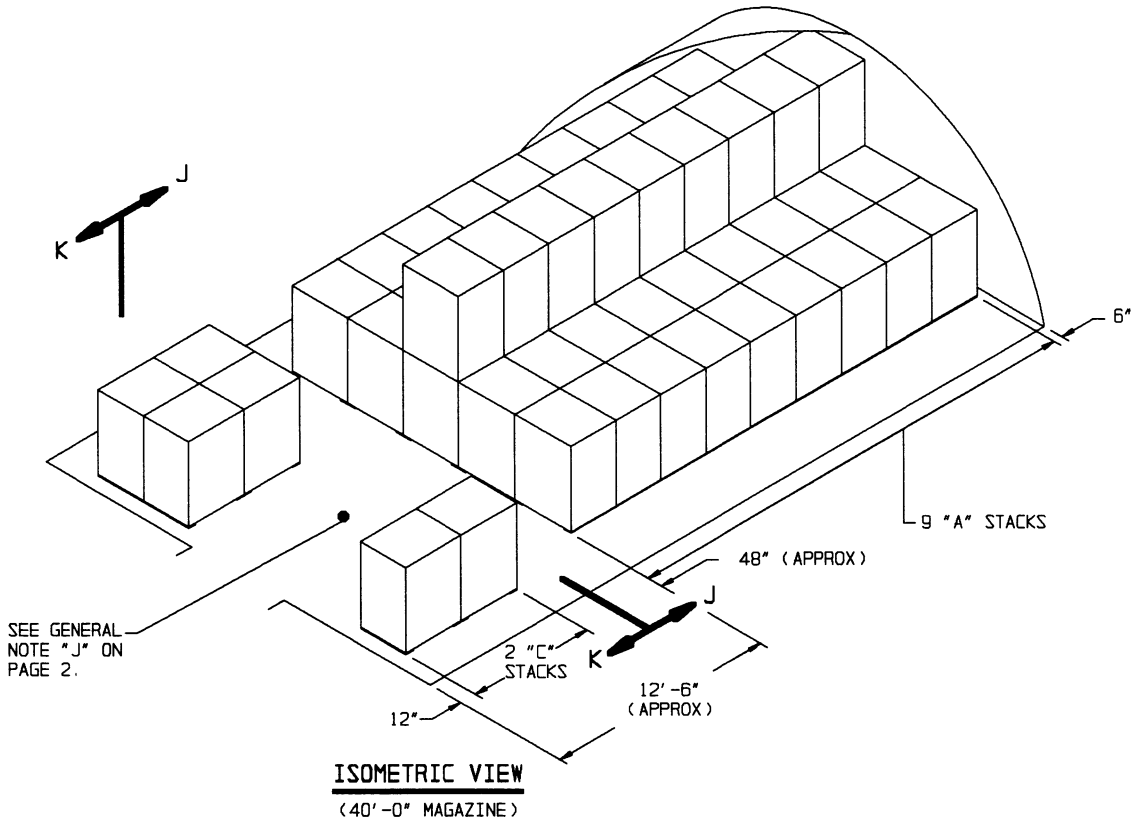
SECTION K-K

STORAGE IN 40'-0" MAGAZINE

(10'-0" HIGH)

ITEM QUANTITY

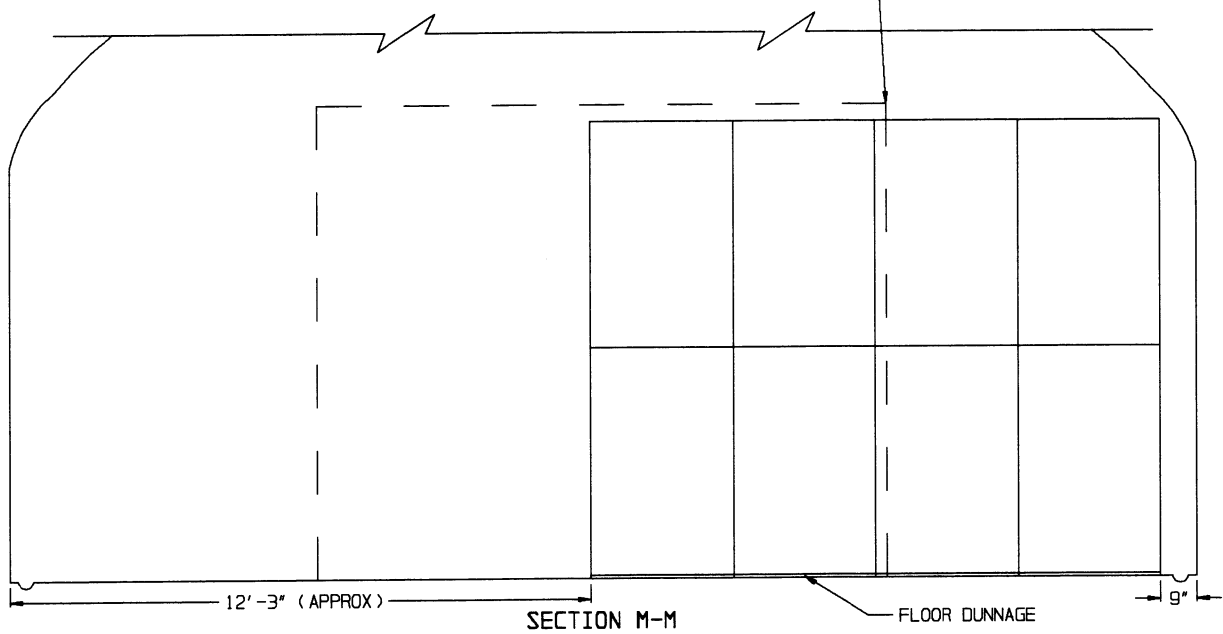
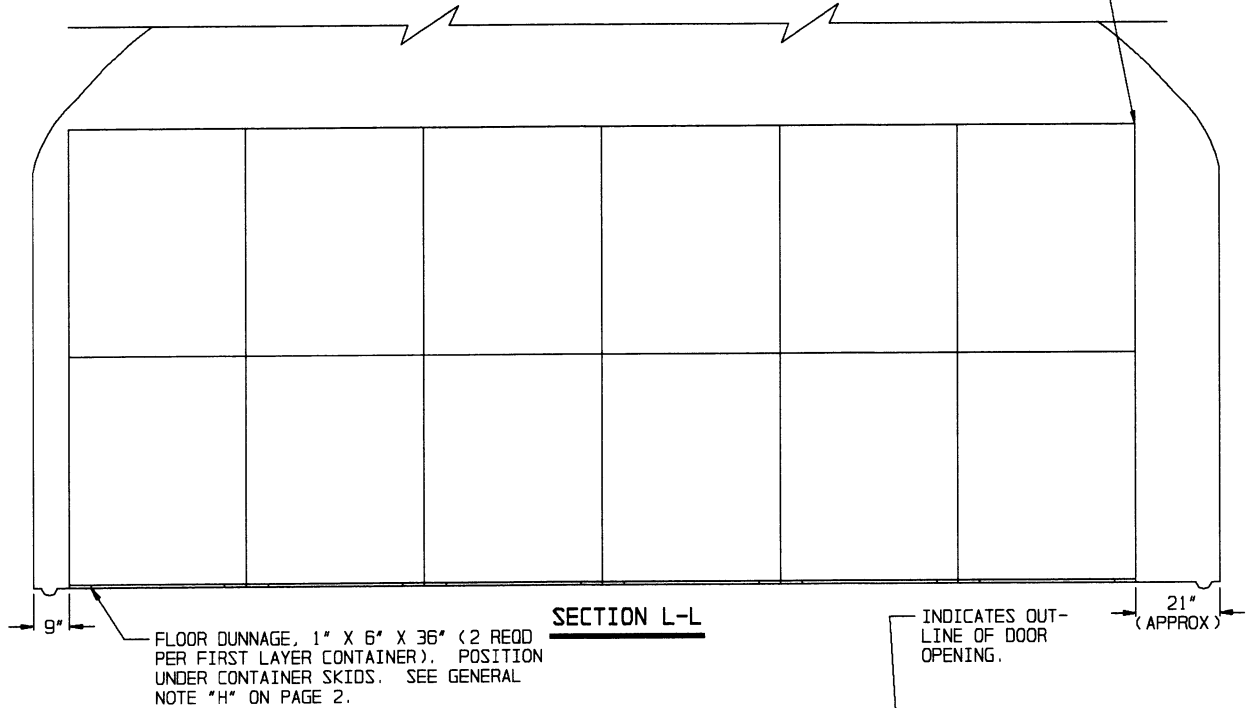
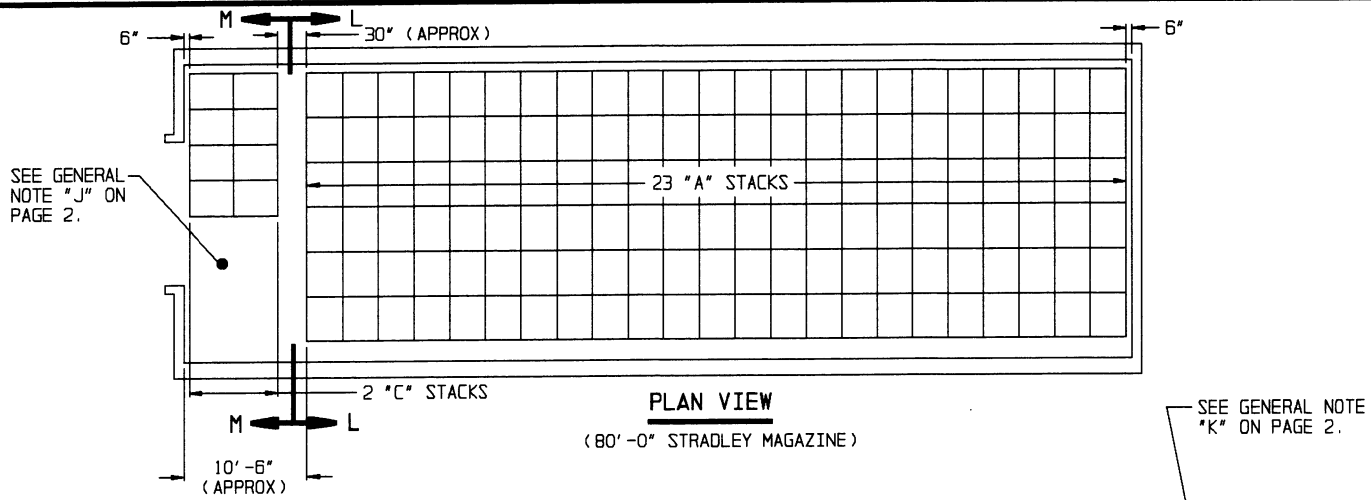
CONTAINER - - - - - 60



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

BILL OF MATERIAL (PER FIRST LAYER CONTAINER)

LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	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 80'-0" STRADLEY MAGAZINE

(14'-0" HIGH)

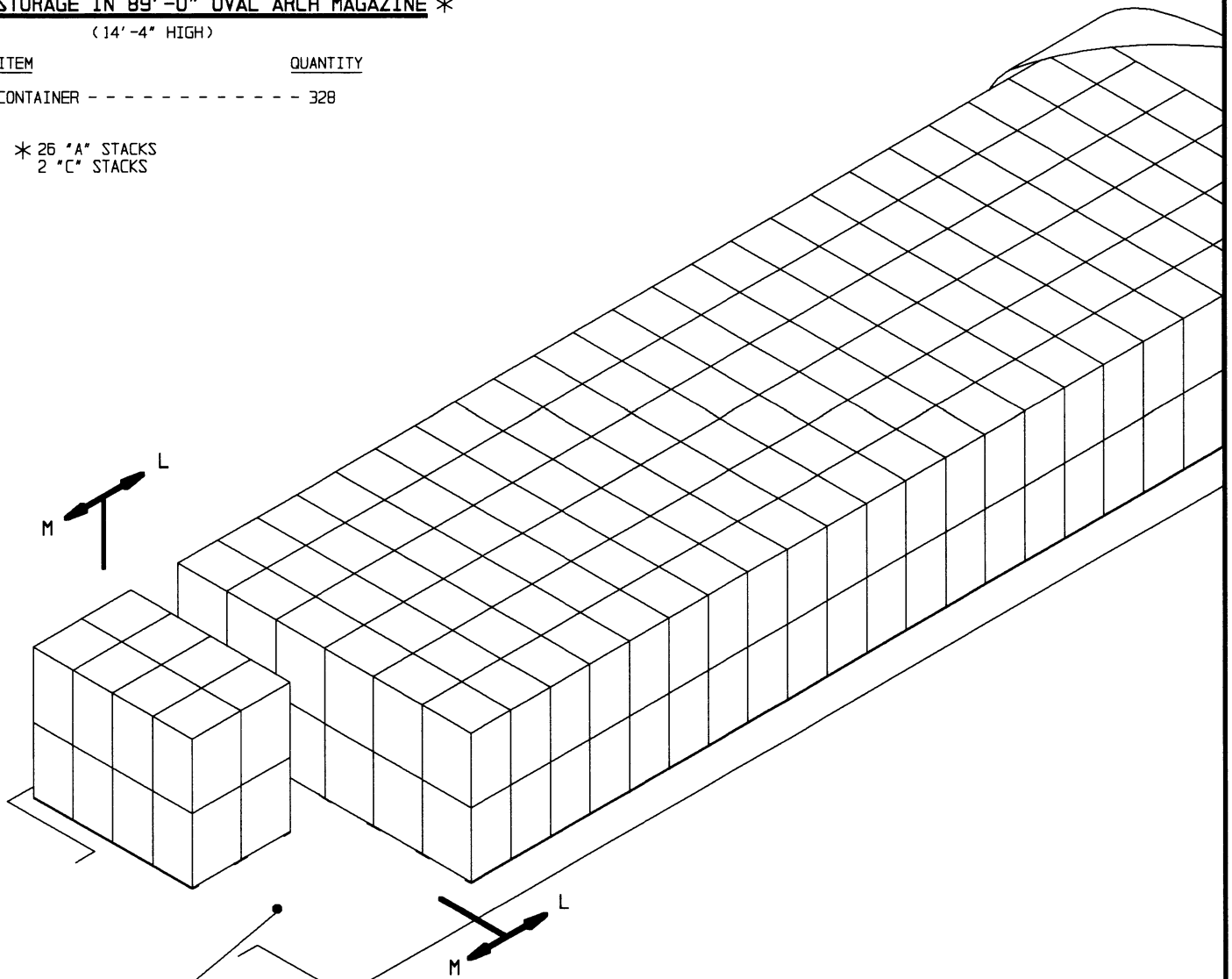
ITEM	QUANTITY
CONTAINER - - - - -	292

STORAGE IN 89'-0" OVAL ARCH MAGAZINE *

(14'-4" HIGH)

ITEM	QUANTITY
CONTAINER - - - - -	328

* 26 "A" STACKS
2 "C" STACKS



SEE GENERAL NOTE "J" ON PAGE 2.

ISOMETRIC VIEW
(80'-0" STRADLEY MAGAZINE)

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

BILL OF MATERIAL (PER FIRST LAYER CONTAINER)		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	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

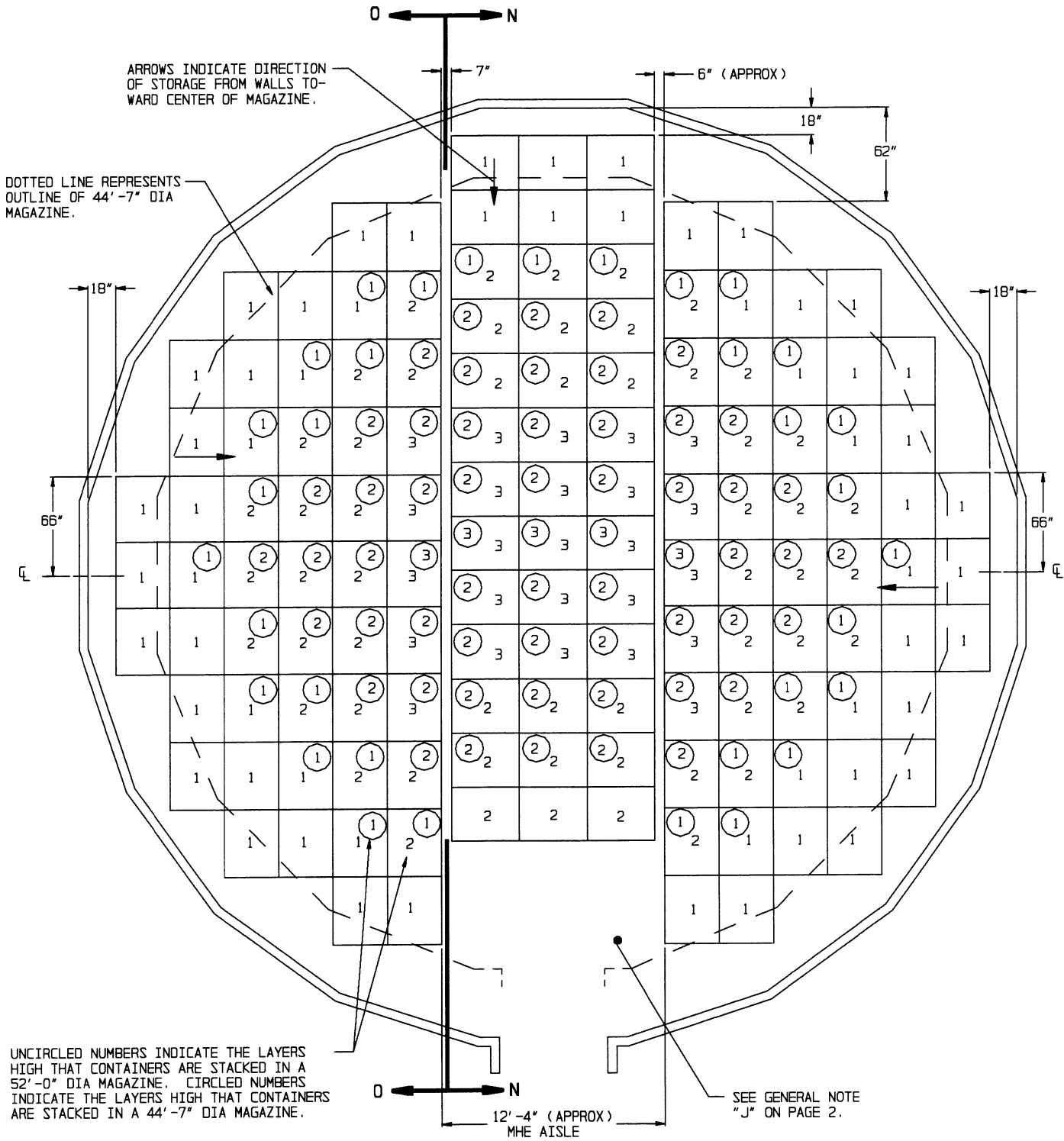
ITEM QUANTITY

CONTAINER - - - - - 245

STORAGE IN 44'-7" DIA MAGAZINE

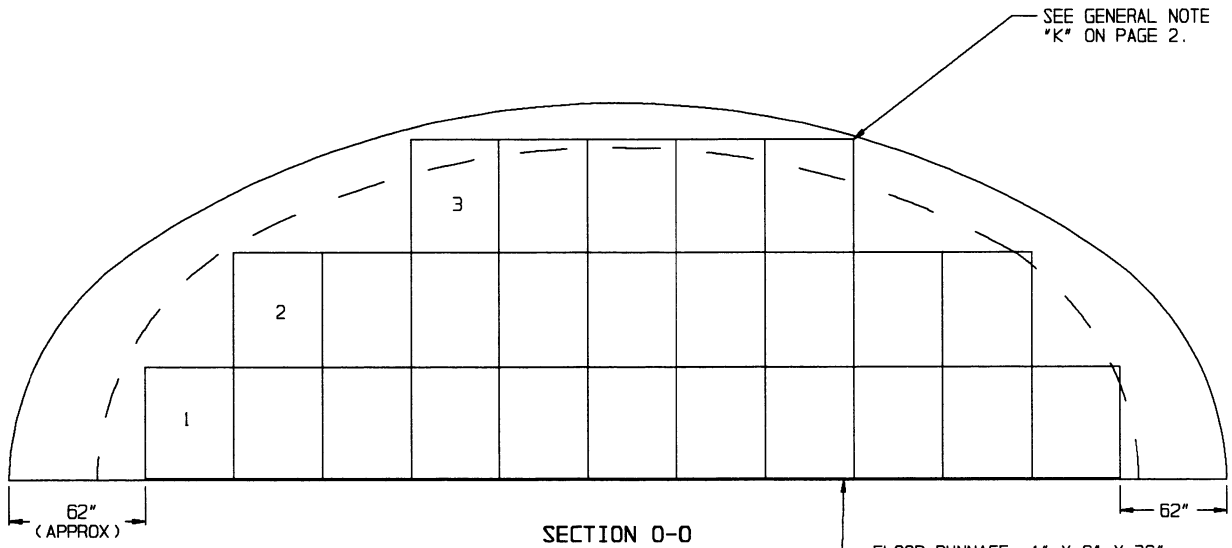
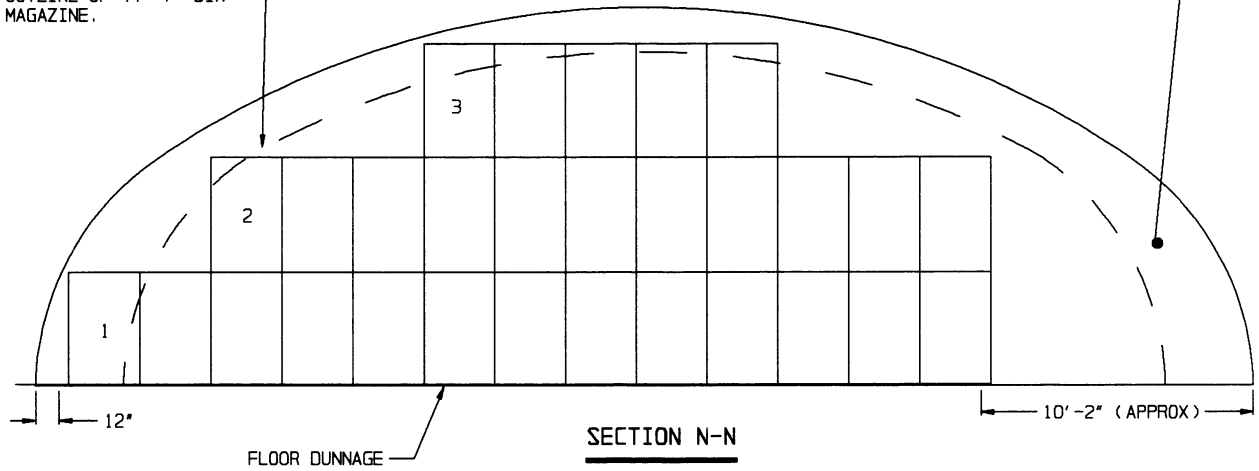
ITEM QUANTITY

CONTAINER - - - - - 156



DOTTED LINE REPRESENTS
OUTLINE OF 44'-7" DIA
MAGAZINE.

ONLY ONE ROWS OF CONTAINERS IS SHOWN
IN THIS SECTION. CONTAINERS LOCATED
IN ADJACENT ROWS OR STACKS HAVE NOT
BEEN SHOWN FOR CLARITY PURPOSES.



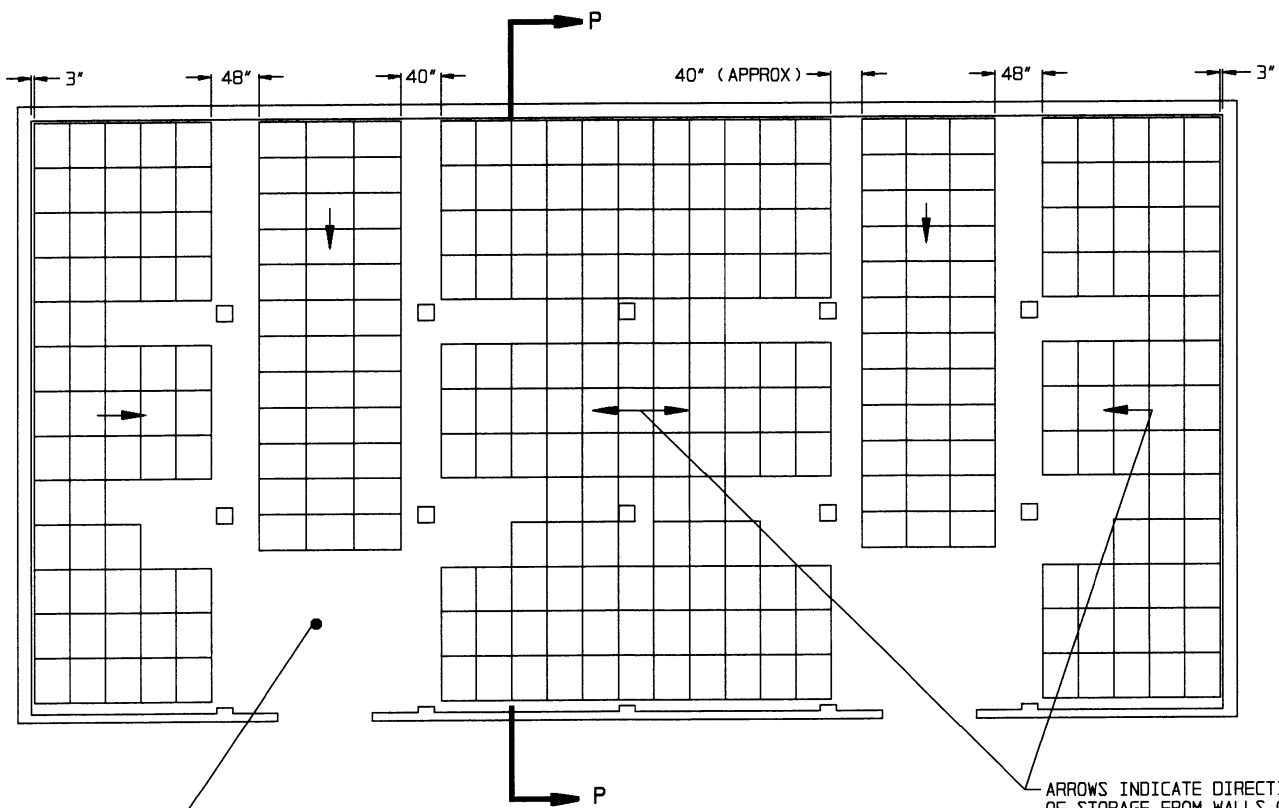
SEE GENERAL NOTE
"K" ON PAGE 2.

FLOOR DUNNAGE, 1" X 6" X 36"
(2 REQD PER FIRST LAYER CON-
TAINER. POSITION UNDER CON-
TAINER SKIDS. SEE GENERAL
NOTE "H" ON PAGE 2.

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

BILL OF MATERIAL (PER FIRST LAYER CONTAINER)

LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	3

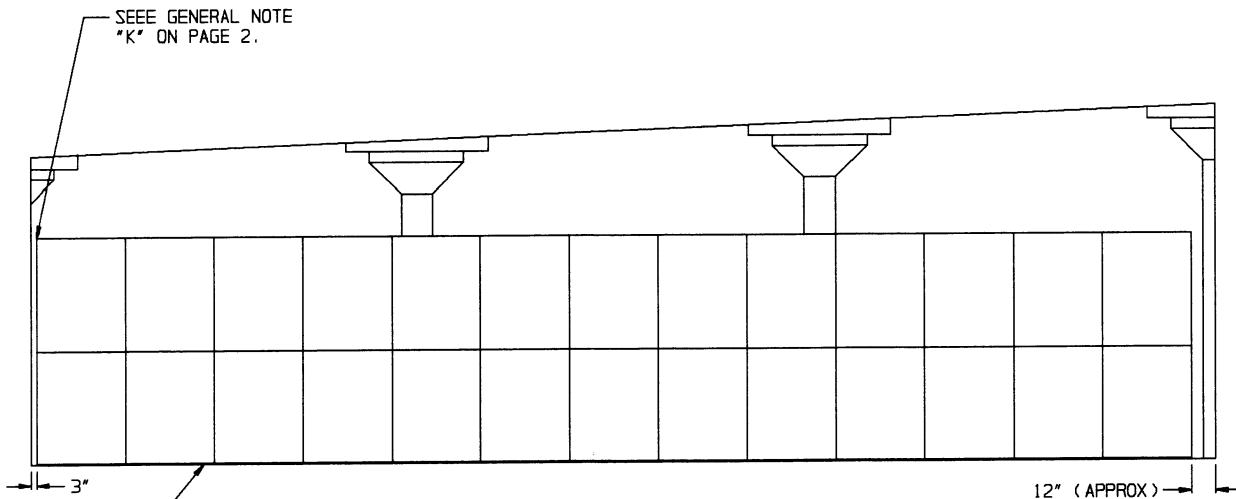


SEE GENERAL NOTE "J" ON PAGE 2.

ARROWS INDICATE DIRECTION OF STORAGE FROM WALLS OR CENTER OF MAGAZINE.

PLAN VIEW

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



SEEE GENERAL NOTE "K" ON PAGE 2.

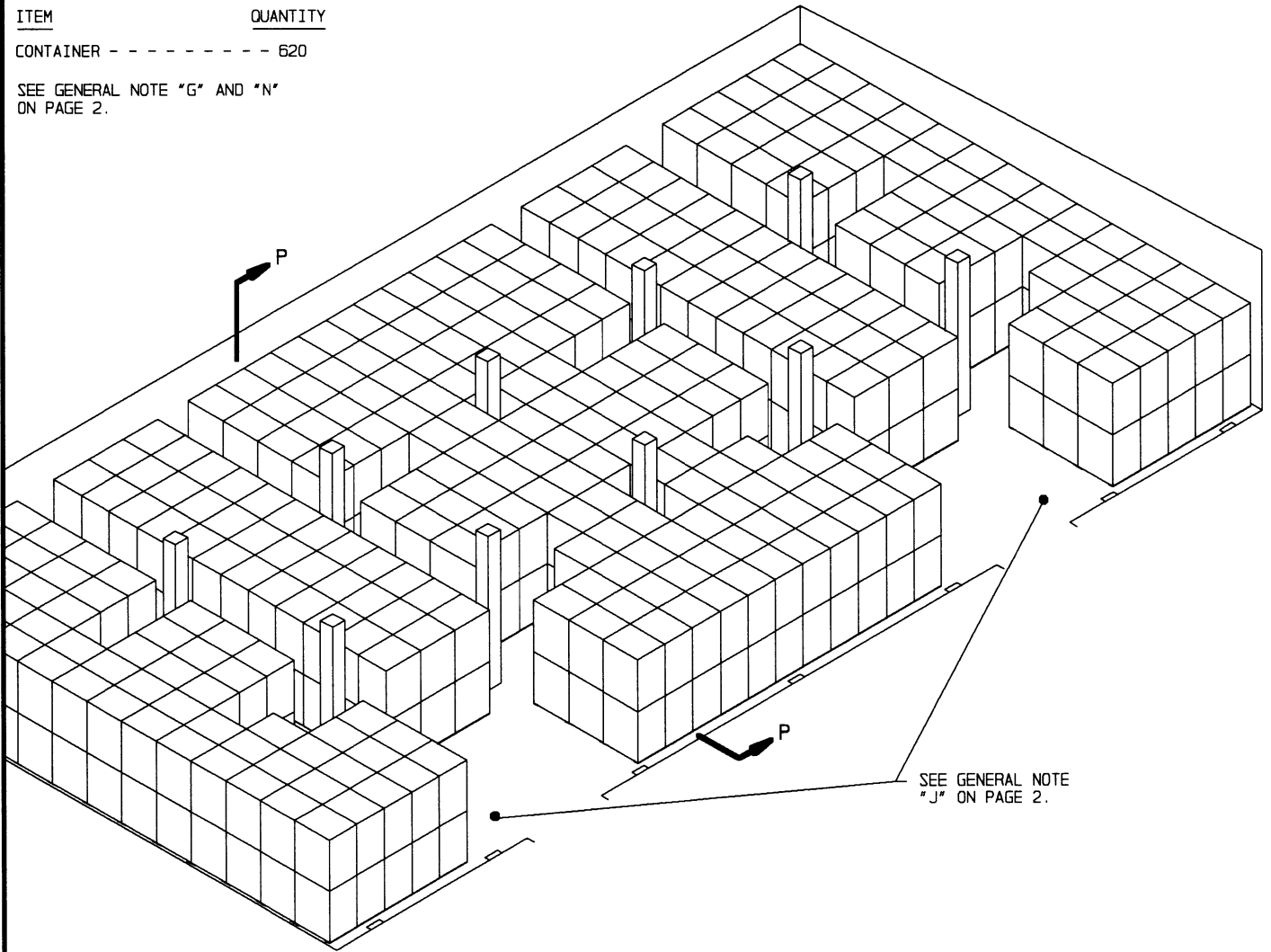
FLOOR DUNNAGE, 1" X 6" X 36" (2 REQD PER FIRST LAYER CONTAINER). POSITION UNDER CONTAINER SKIDS. SEE GENERAL NOTE "H" ON PAGE 2.

SECTION P-P

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

ITEM QUANTITY
CONTAINER - - - - - 620

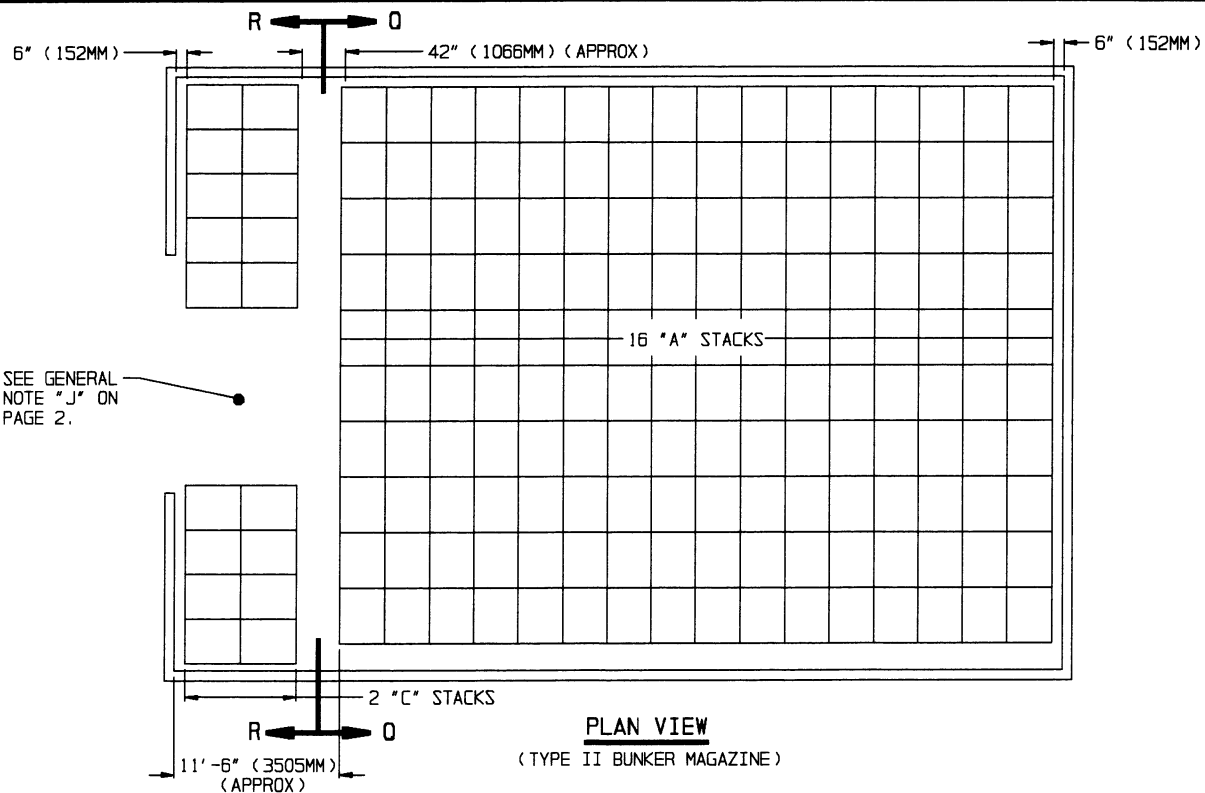
SEE GENERAL NOTE "G" AND "N"
ON PAGE 2.



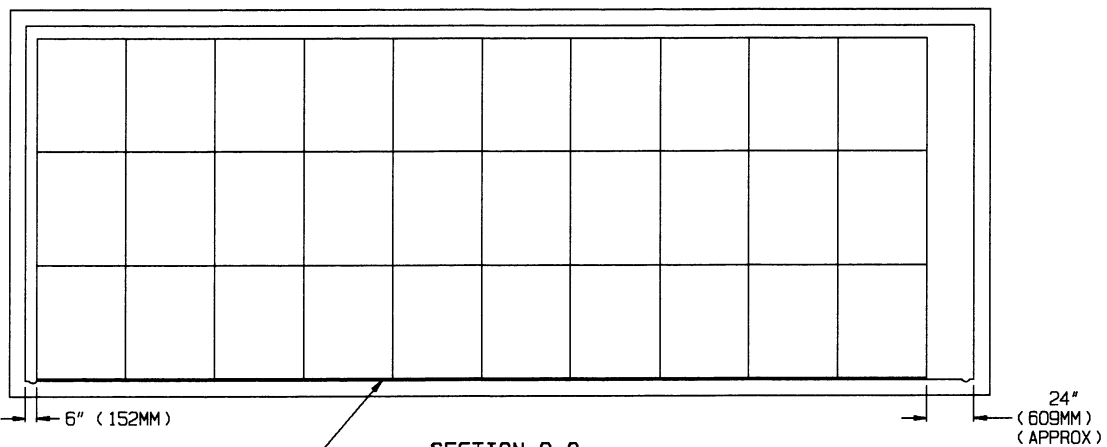
ISOMETRIC VIEW
(100'-8" X 50'-0" MAGAZINE)

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

BILL OF MATERIAL (PER FIRST LAYER CONTAINER)		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	3



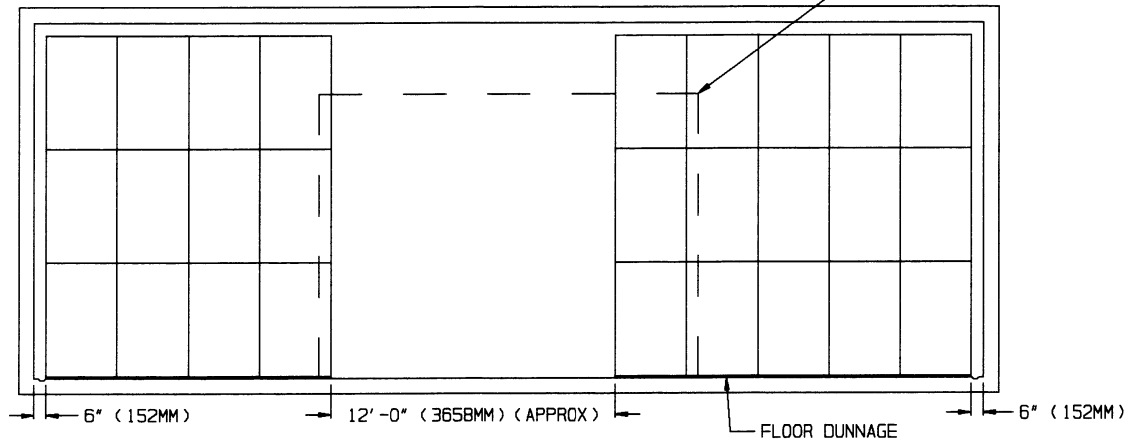
PLAN VIEW
(TYPE II BUNKER MAGAZINE)



FLOOR DUNNAGE, 1" X 6" X 36" (2 REQD PER FIRST LAYER CONTAINER). POSITION UNDER CONTAINER SKIDS. SEE GENERAL NOTE "H" ON PAGE 2.

SECTION O-O

INDICATES OUTLINE OF DOOR OPENINGS.



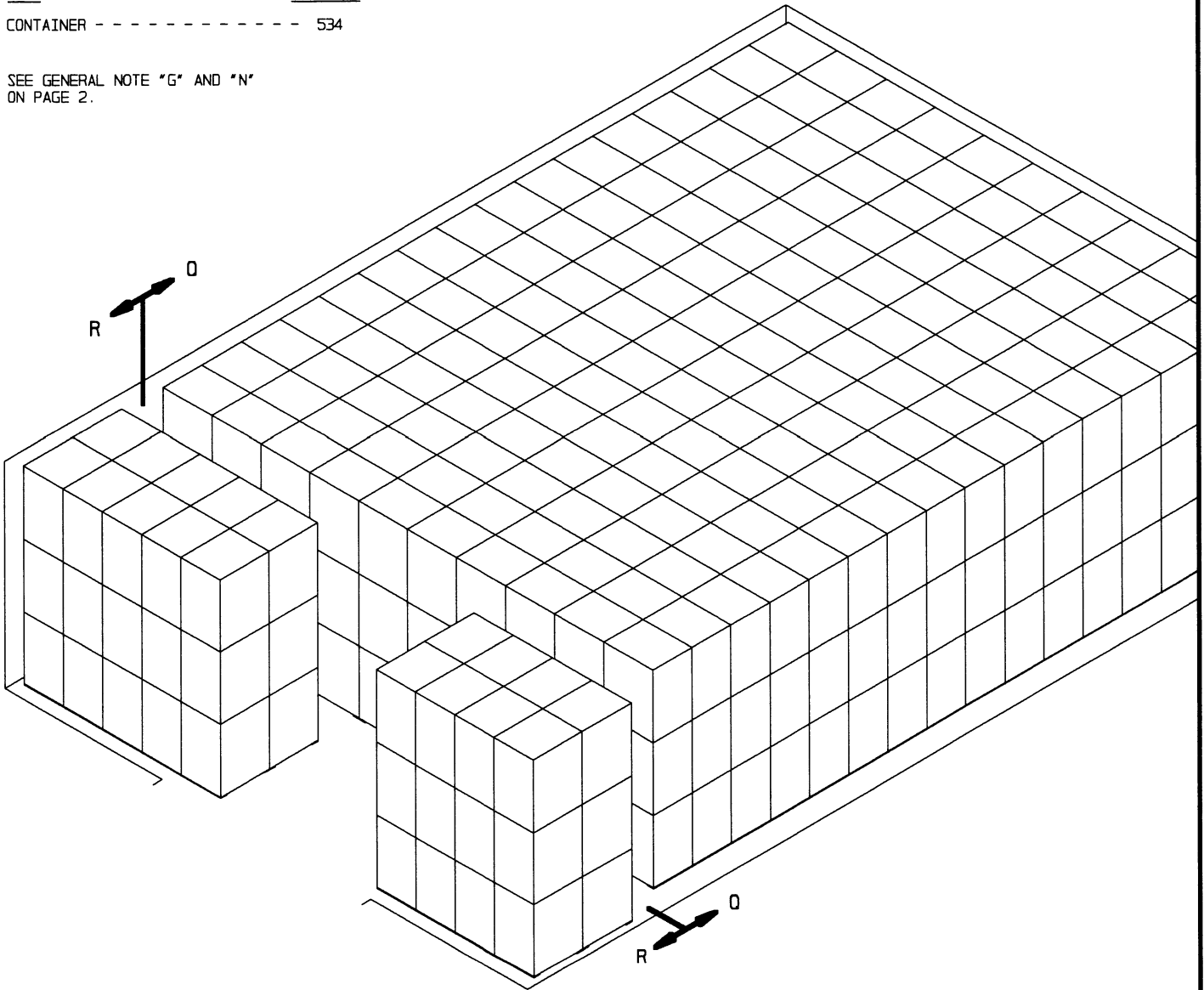
SECTION R-R

STORAGE IN TYPE II BUNKER MAGAZINE

(15'-0" HIGH)

ITEM QUANTITY
CONTAINER - - - - - 534

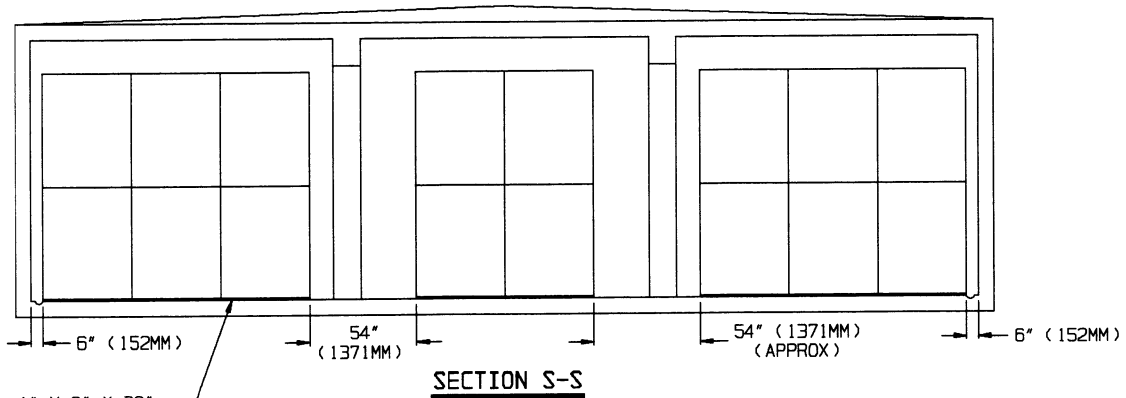
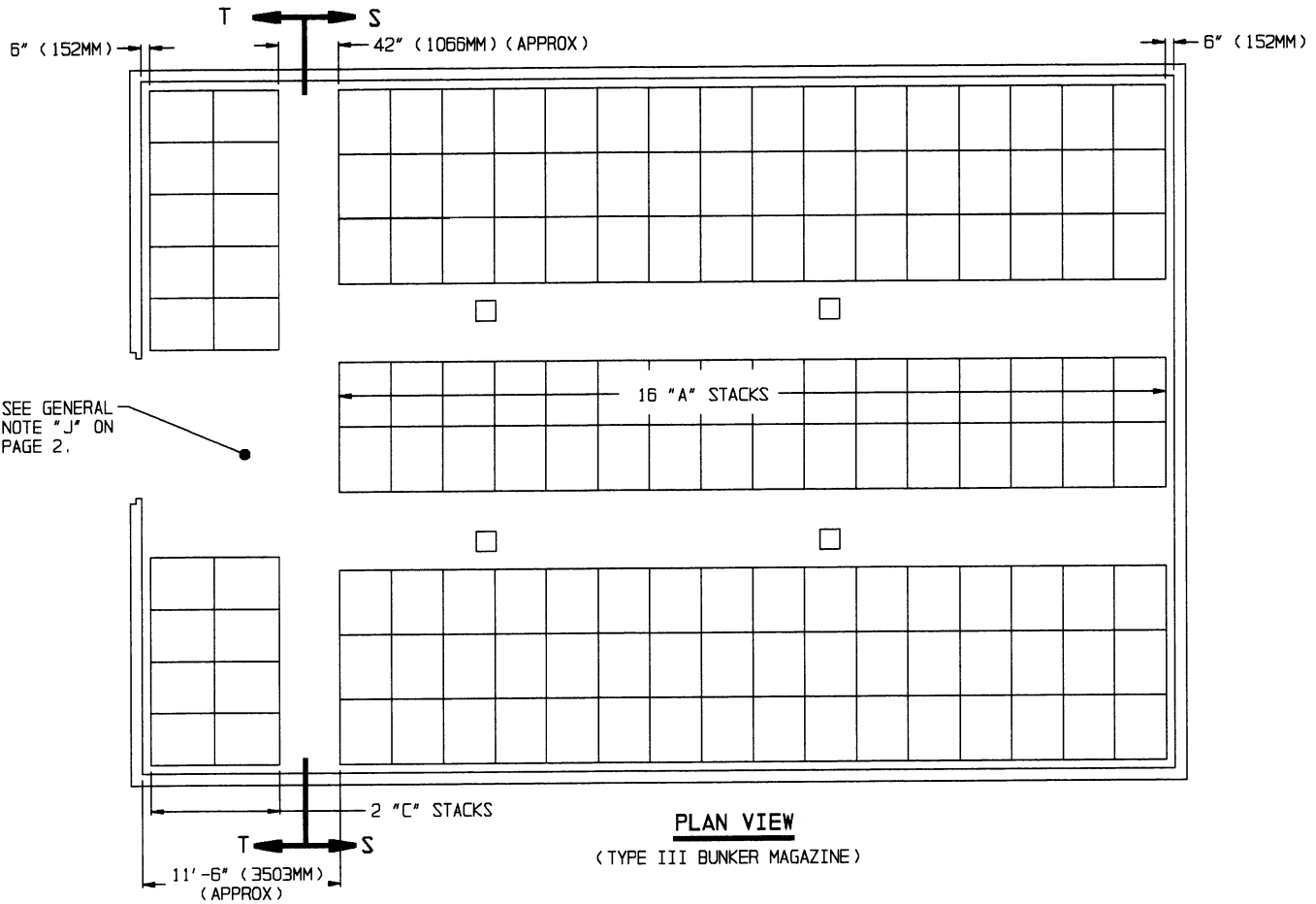
SEE GENERAL NOTE "G" AND "N"
ON PAGE 2.



ISOMETRIC VIEW
(TYPE II BUNKER MAGAZINE)

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

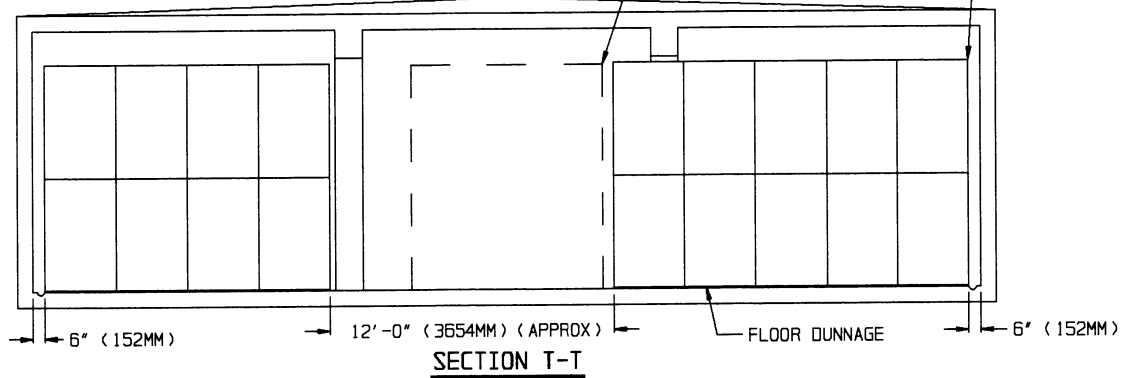
BILL OF MATERIAL (PER FIRST LAYER CONTAINER)		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	3



FLOOR DUNNAGE, 1" X 6" X 36"
(2 REOD PER FIRST LAYER CON-
TAINER), POSITION UNDER
CONTAINER SKIDS. SEE GENERAL
NOTE "H" ON PAGE 2.

INDICATES OUTLINE
OF DOOR OPENING.

SEE GENERAL NOTE
"K" ON PAGE 2.



STORAGE PROCEDURES IN 60'-0" L X 40'-0" W X 11'-0" H TYPE III BUNKER MAGAZINE

STORAGE IN TYPE III BUNKER MAGAZINE

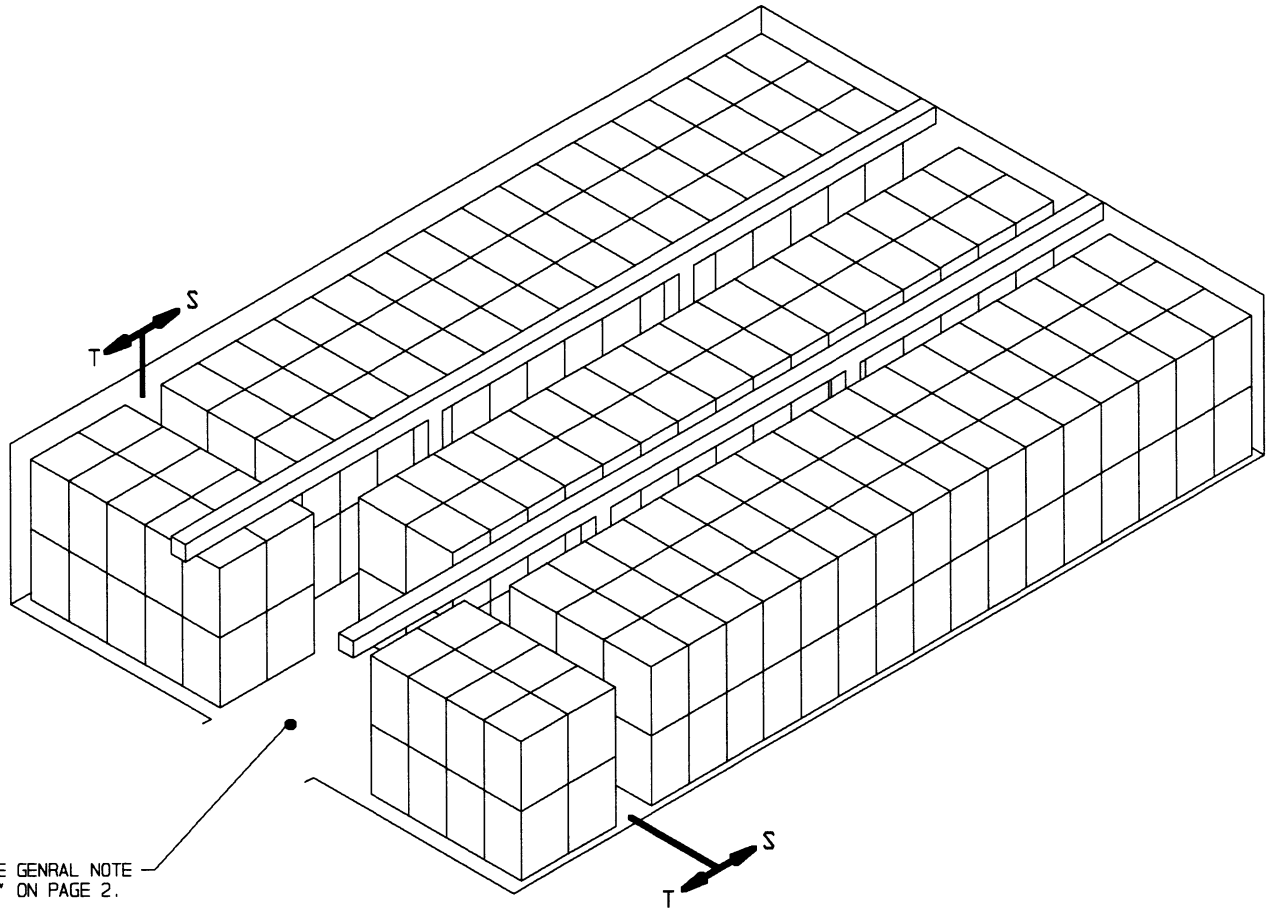
(11'-0" HIGH)

ITEM

QUANTITY

CONTAINER - - - - - 292

SEE GENERAL NOTES "G" AND "N"
ON PAGE 2.



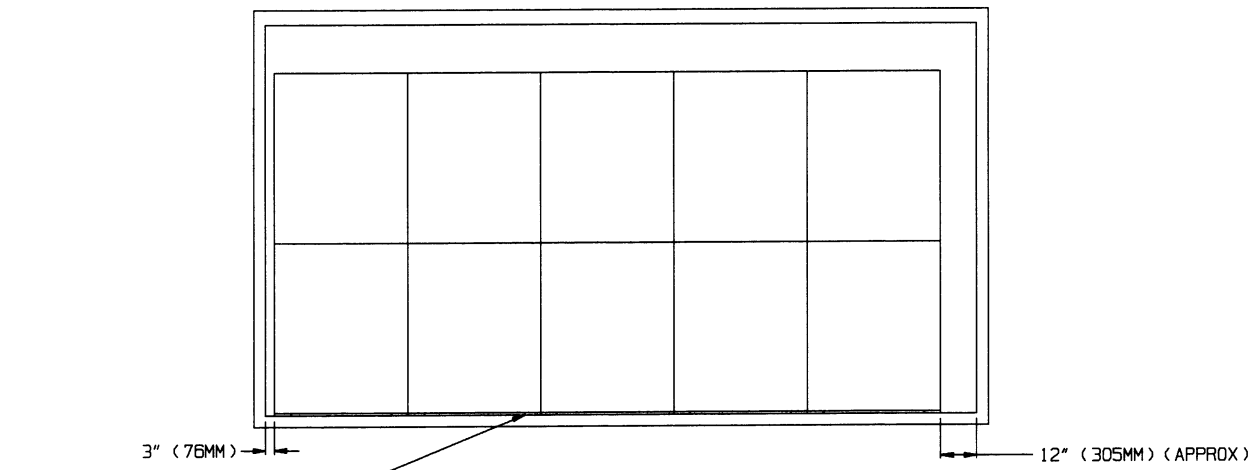
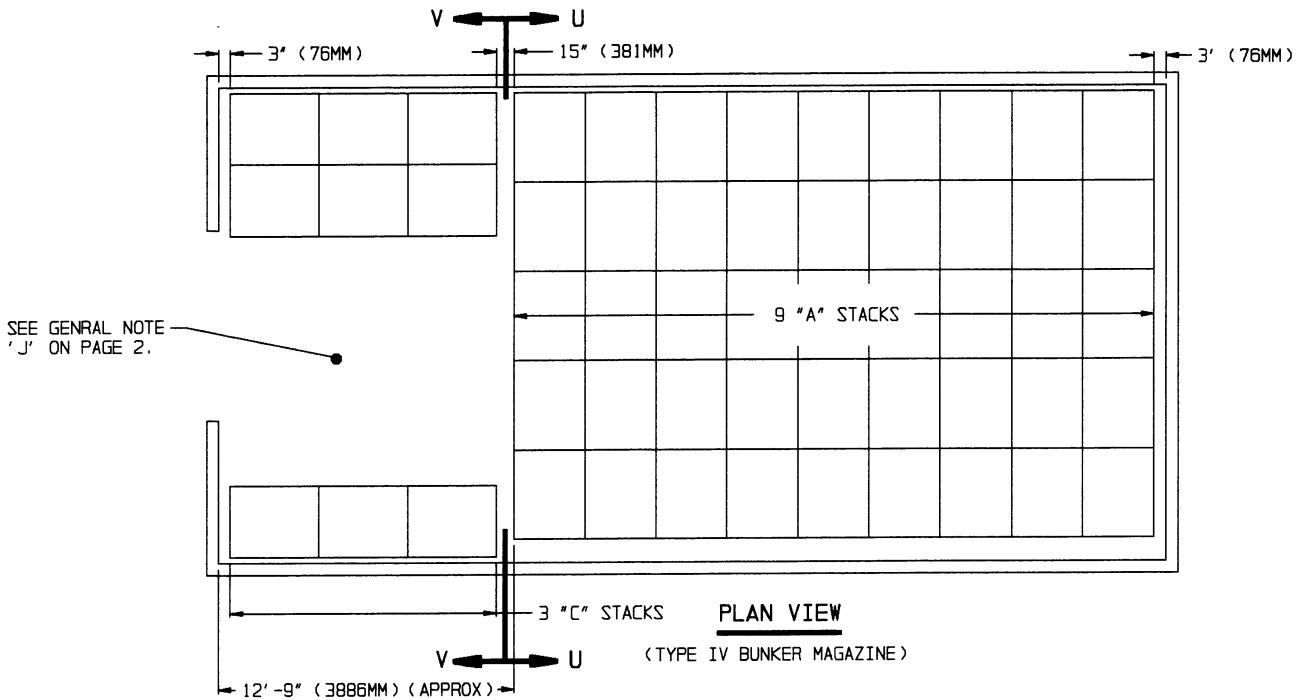
SEE GENERAL NOTE
"J" ON PAGE 2.

ISOMETRIC VIEW
(TYPE III BUNKER MAGAZINE)

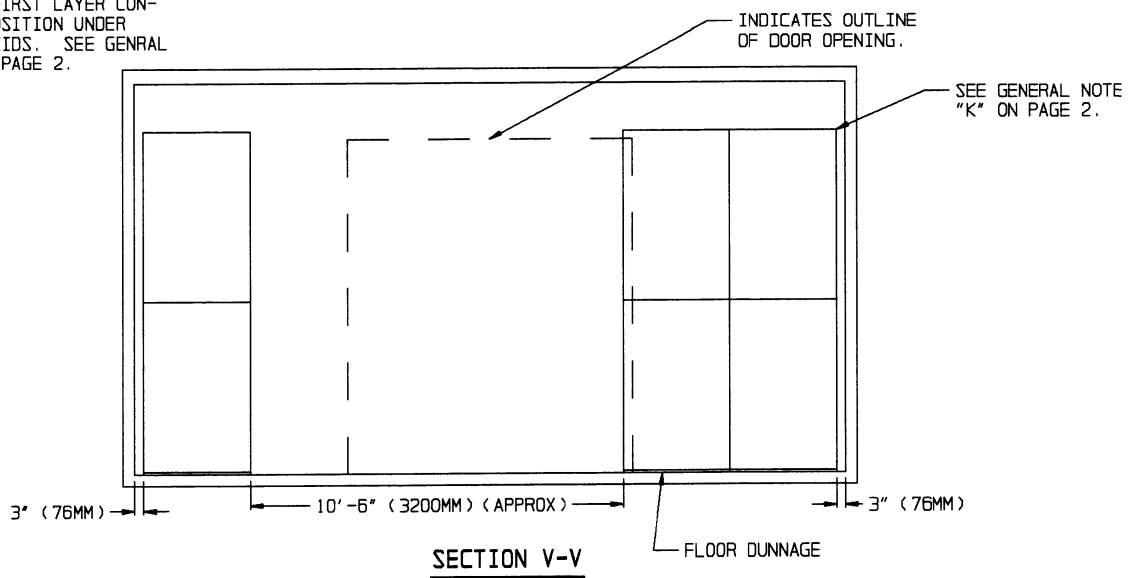
FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.

BILL OF MATERIAL (PER FIRST LAYER CONTAINER)

LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	3

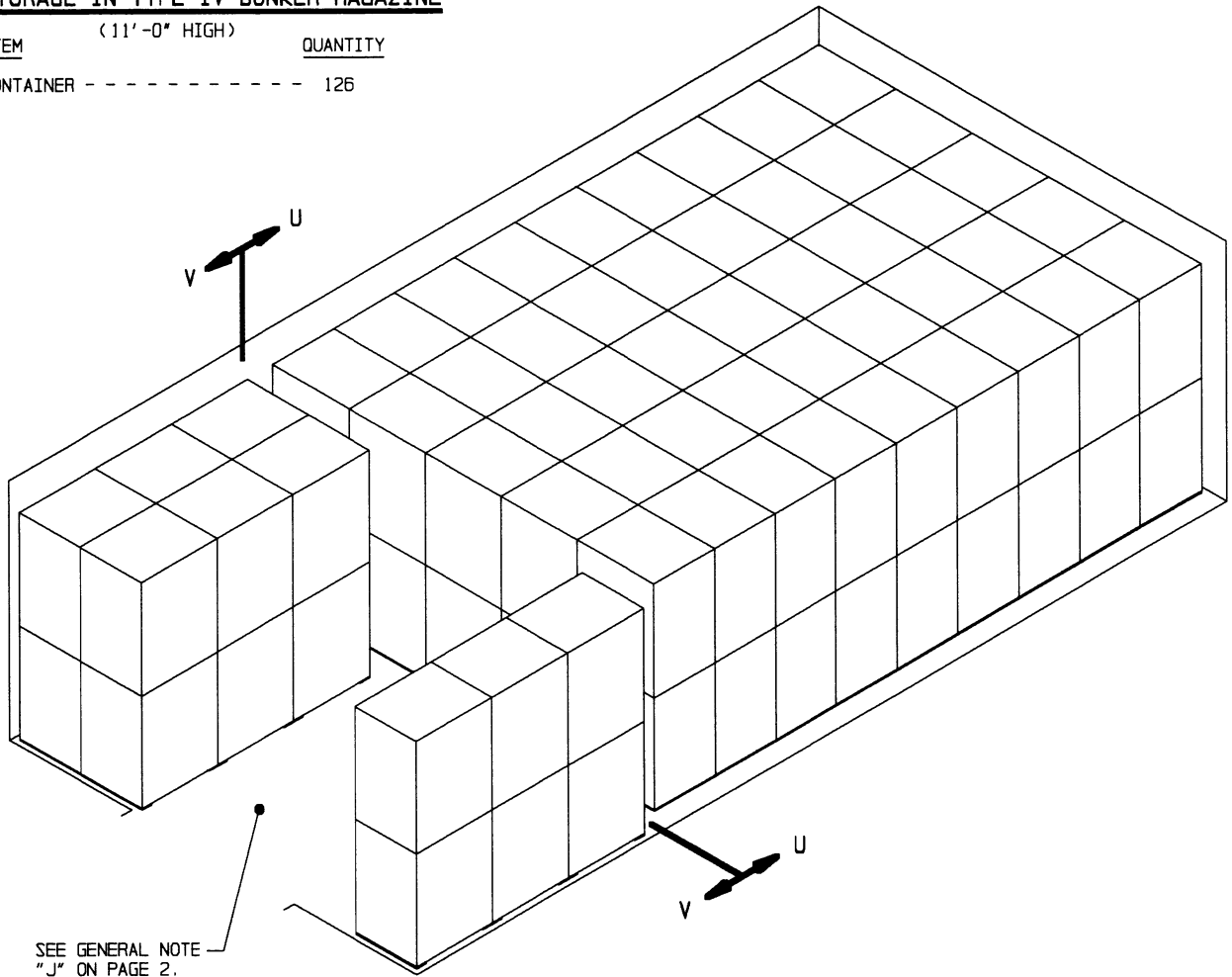


FLOOR DUNNAGE, 1" X 6" X 36" (2 ROD PER FIRST LAYER CONTAINER). POSITION UNDER CONTAINER SKIDS. SEE GENERAL NOTE "H" ON PAGE 2.



STORAGE IN TYPE IV BUNKER MAGAZINE

ITEM (11'-0" HIGH) QUANTITY
CONTAINER - - - - - 126



SEE GENERAL NOTE
"J" ON PAGE 2.

ISOMETRIC VIEW
(TYPE IV BUNKER MAGAZINE)

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

BILL OF MATERIAL (PER FIRST LAYER CONTAINER)		
LUMBER	LINEAR FEET	BOARD FEET
1" X 6"	6	3

