

STORAGE IN APPROVED MAGAZINES OF M93 WIDE AREA MUNITIONS (WAM), OR M98 WAM TRAINER, PACKED 1 PER PA160 CYLINDRICAL METAL CONTAINER, UNITIZED 30 PER 56-1/2" X 44" METAL PALLET

INDEX

<u>ITEM</u>	<u>PAGE(S)</u>
GENERAL NOTES AND MATERIAL SPECIFICATIONS-----	2
PALLET UNIT DETAILS-----	3
STORAGE PROCEDURES (EARTH COVERED MAGAZINES):	
81'-0", 60'-8" AND 40'-4" L X 26'-6" W X 12'-9" H IGLOO MAGAZINES - - -	4,5
81'-2" L X 26'-6" W X 12'-1-3/4" H ARCH TYPE MAGAZINE - - -	6,7
80'-0" AND 40'-0" L X 25'-0" W X 12'-1-3/4" H ARCH TYPE MAGAZINES - - -	8,9
80'-0" AND 40'-0" L X 25'-0" W X 11'-0" H ARCH TYPE MAGAZINES - - -	10,11
80'-0" AND 40'-0" L X 25'-0" W X 10'-0" H ARCH TYPE MAGAZINES - - -	12,13
80'-0" L X 25'-0" W X 14'-0" H STRADLEY MAGAZINE- - -	14,15
89'-0" L X 24'-11" W X 13'-6" H STEEL ARCH MAGAZINE - - -	16,17
52'-0" DIA CORBETTA MAGAZINE- - -	18,19
100'-8" L X 50'-0" W RECTANGULAR MAGAZINE - - -	20,21
TYPICAL MULTIPLE-LOT PROCEDURES:	
IGLOO AND ARCH TYPE MAGAZINES - - - - -	22,23
STRADLEY MAGAZINE - - - - -	24,25
CORBETTA MAGAZINE - - - - -	26,27
RECTANGULAR MAGAZINE- - - - -	28

U. S. ARMY MATERIEL COMMAND DRAWING

APPROVED, U.S. ARMY INDUSTRIAL OPERATIONS COMMAND

David W. Fisher

AMSTA-AR-ESK

APPROVED BY ORDER OF COMMANDING GENERAL, U.S.
ARMY MATERIEL COMMAND

William F Ernst

DEFENSE AMMUNITION CENTER

DRAFTSMAN

INGEBORG DEPPE

ENGINEER

M. DAEUMER

SUPPLY ENGINEERING
DIVISION

Thomas J. Pischke

LOGISTICS ENGINEERING
OFFICE

William F Ernst

JULY 1998

CLASS

DIVISION

DRAWING

FILE

19

48

4250
/100

1-3-4-14-22
PM1004

DO NOT SCALE

GENERAL NOTES

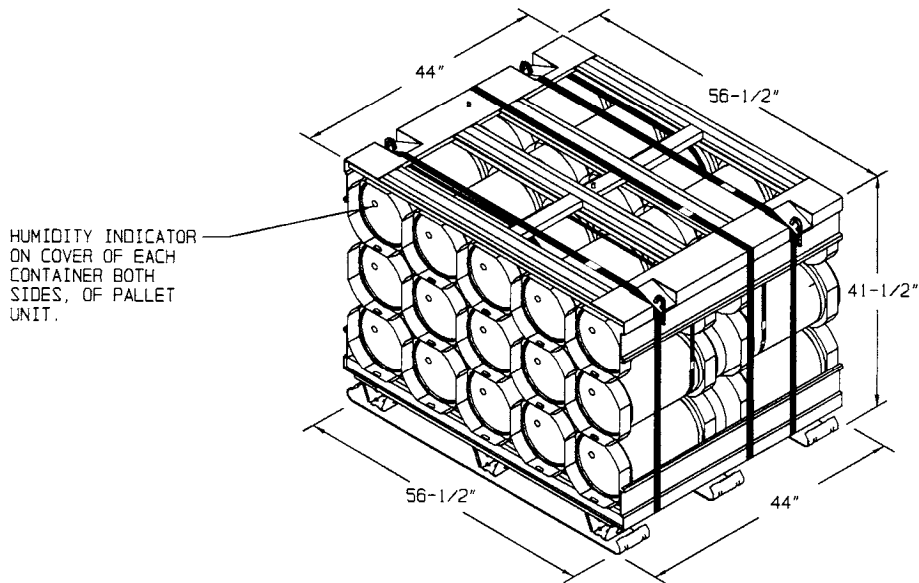
(GENERAL NOTES CONTINUED)

- 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 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 THE DEPICTED 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 WIDE AREA MUNITION (WAM) PACKED IN THE PA160 SERIES CONTAINER AND UNITIZED 30 PER 44" LONG BY 56-1/2" WIDE METAL PALLET WITH PALLET ADAPTER AND TOP LIFT ASSEMBLY. 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 UNITIZATION DRAWING 19-48-4231/100-20PM1006, AND TO THE PICTORIAL VIEW ON PAGE 3. NOTE: A HUMIDITY INDICATOR IS LOCATED ON THE COVER OF EACH CONTAINER WHICH WILL REQUIRE AN INSPECTION AISLE, APPROXIMATELY 24" WIDE, ON BOTH SIDES OF EACH PALLET UNIT.
- 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. THEREFORE, UNITS WILL BE STORED A MINIMUM OF SIX INCHES (6") FROM THE SIDEWALL OR CURVATURE OF THE MAGAZINE AS APPLICABLE. TO PROVIDE FOR THIS MANDATORY CLEARANCE REQUIREMENT, 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 (MHE). SEE NOTE "D" ABOVE.
- 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 "TURNAROUND" 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. RANDOM LENGTH DUNNAGE MAY BE USED. ALSO, IN LIEU OF 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. STACK STABILIZING DUNNAGE IN THE FORM OF SHIMS WILL BE USED IF REQUIRED TO ACHIEVE SOUND AND ACCEPTABLE STABLE STACKS. SHIM MATERIAL OF VARYING THICKNESSES WILL BE USED AS REQUIRED UNDER THE LOAD BEARING LOCATIONS OF FIRST-LAYER PALLET UNITS. 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.
- 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 25.4MM, AND ONE POUND EQUALS 0.454KG.
- 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 22 THRU 28.
- P. ANY "LIGHT" PALLET UNIT THAT DOES NOT CONTAIN A FULL QUANTITY OF CONTAINERS WILL NOT BE BURIED IN STORAGE. IT MUST BE POSITIONED ADJACENT TO AN AISLE, PREFERABLY IN FRONT OF THE LOT.
- Q. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS, HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- R. 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 FILLER CONTAINERS AS DELINEATED BY DRAWING 19-48-4231/100-20PM1006. THE UNIT MUST THEN BE RE-BANDED WITH THE SAME SIZE AND QUANTITY OF STRAPS AS THE ORIGINAL UNIT.

(CONTINUED AT RIGHT)

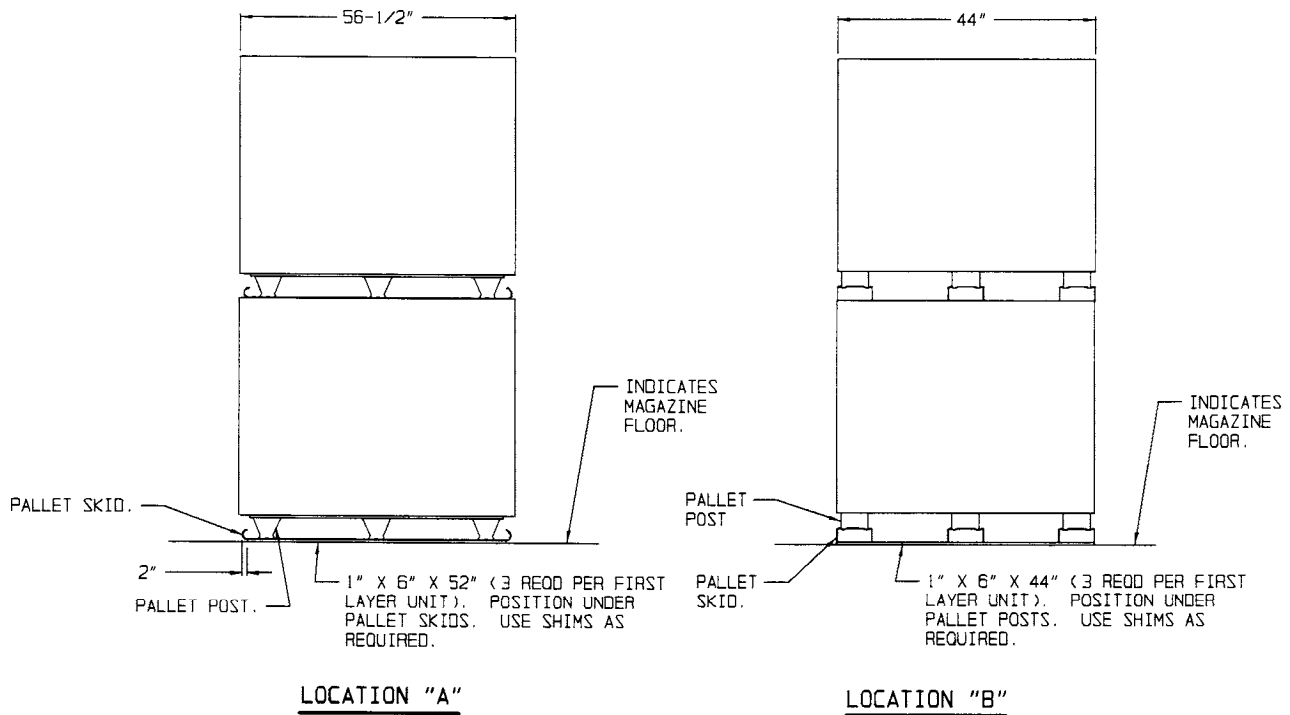
MATERIAL SPECIFICATIONS

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



PALLET UNIT

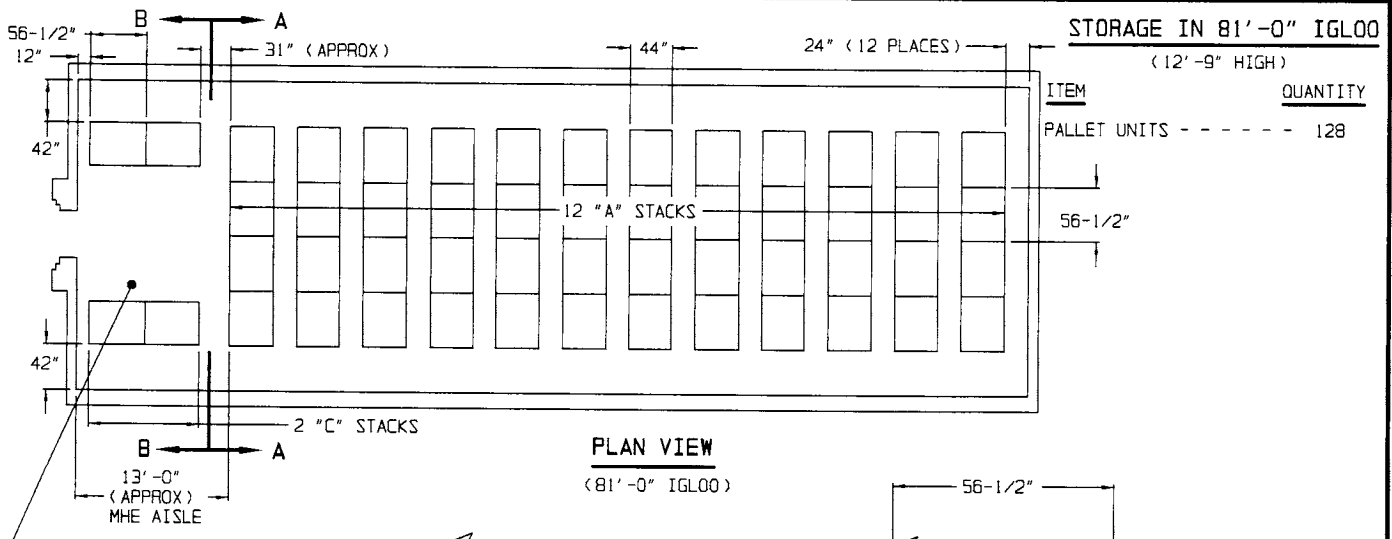
30 CONTAINERS PER PALLET
 UNIT WEIGHT - - - - 2,078 LBS (APPROX)
 CUBE - - - - - 59.7 CUBIC FEET (APPROX)



FLOOR DUNNAGE

SEE GENERAL NOTE "L" ON PAGE 2.

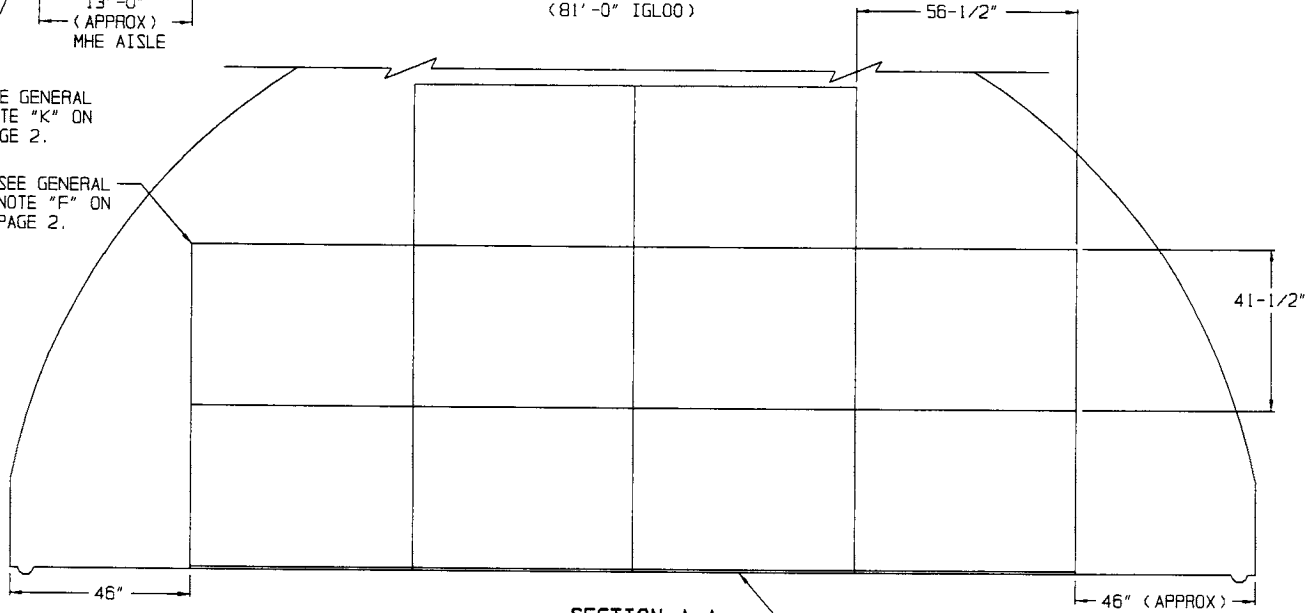
DETAILS



PLAN VIEW
(81'-0" IGLOO)

SEE GENERAL NOTE "K" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.



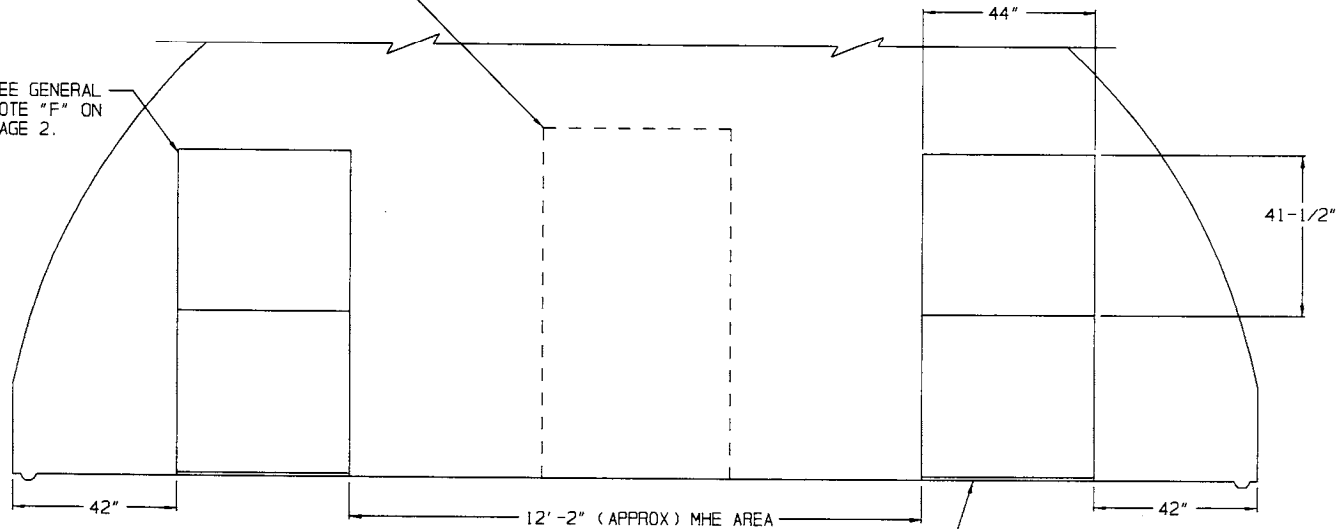
SECTION A-A

("A" STACK, 10 PALLET UNITS)

FLOOR DUNNAGE 1" X 6" X 52" (3 REED PER FIRST LAYER UNIT). SEE LOCATION "A" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.

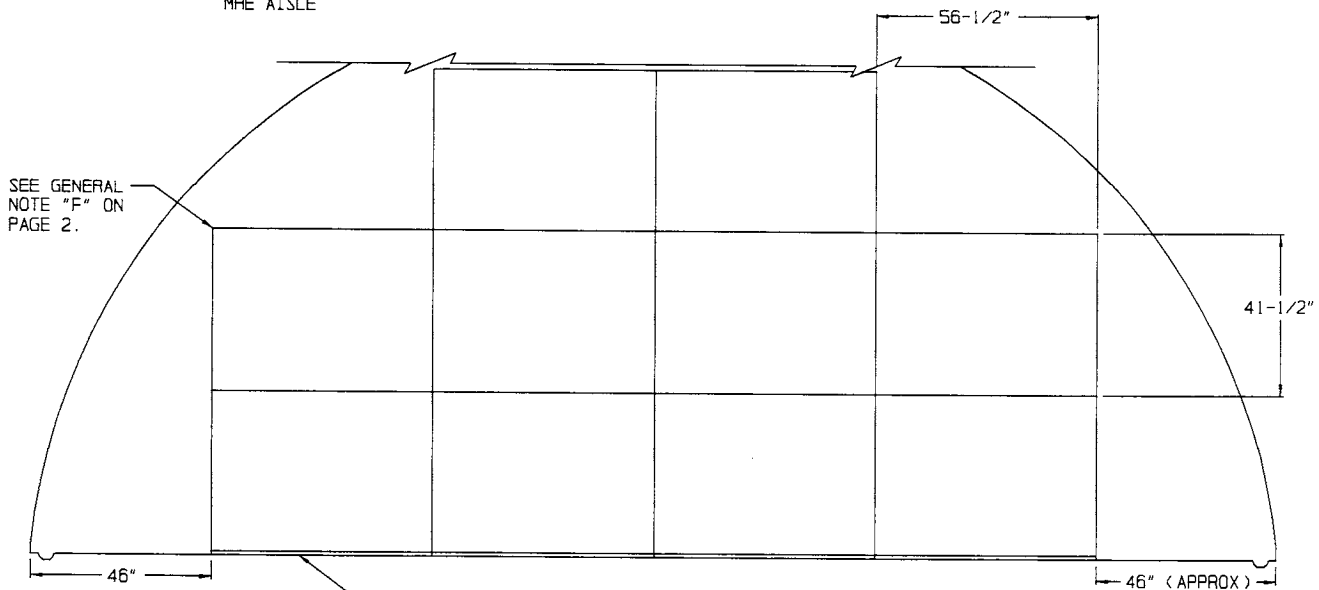
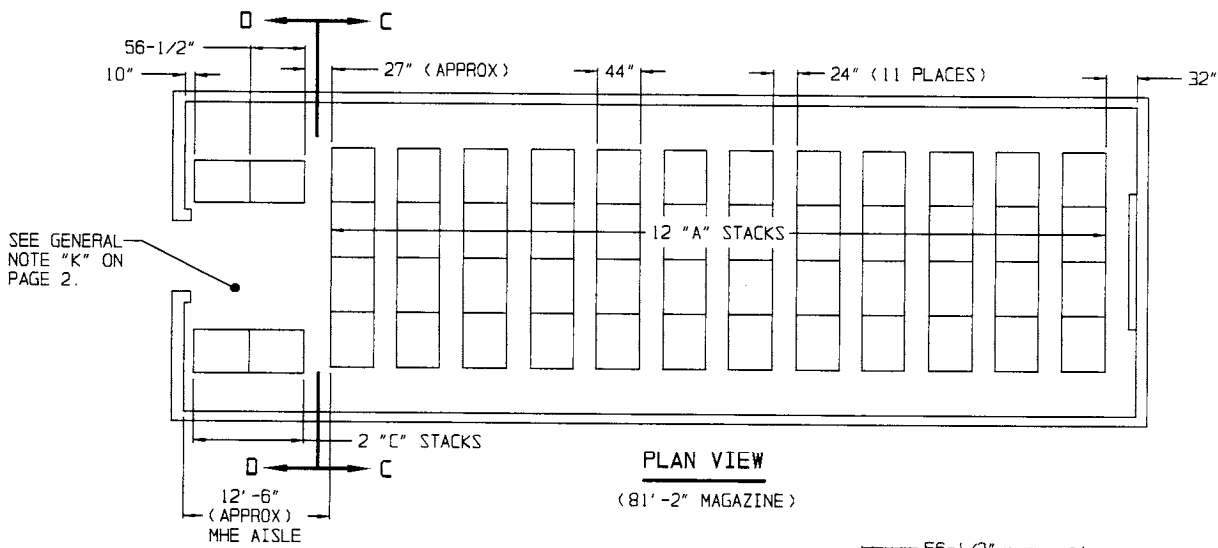
SEE GENERAL NOTE "F" ON PAGE 2.



SECTION B-B

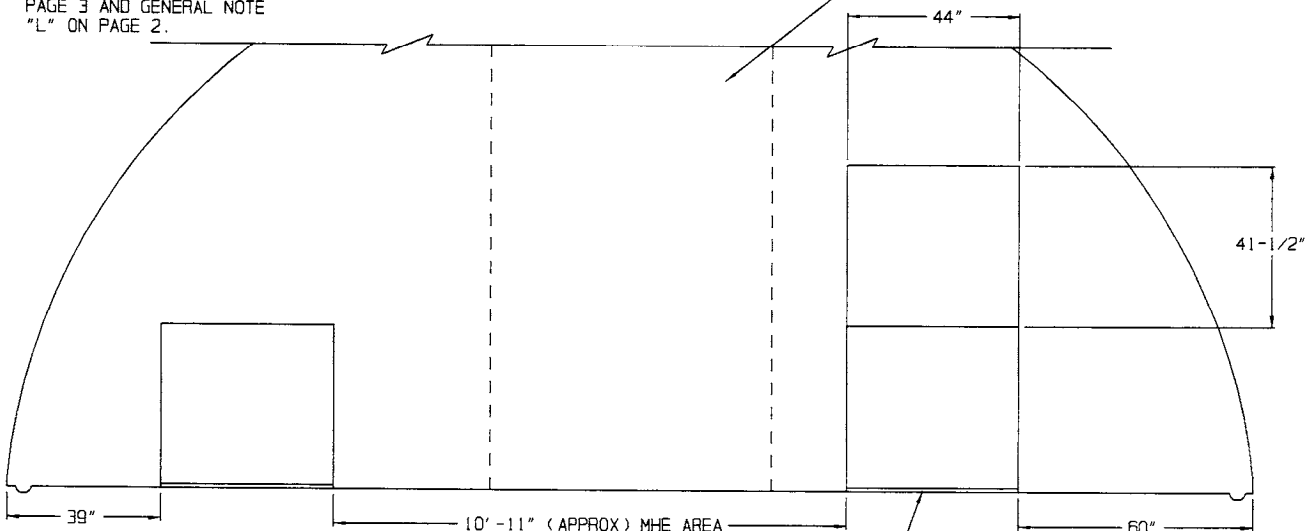
("C" STACK, 4 PALLET UNITS)

FLOOR DUNNAGE 1" X 6" X 44" (3 REED PER FIRST LAYER UNIT). SEE LOCATION "B" DETAIL ON PAGE 3.



FLOOR DUNNAGE, 1" X 6" X 52",
(3 REOD PER FIRST LAYER UNIT).
SEE LOCATION "A" DETAIL ON
PAGE 3 AND GENERAL NOTE
"L" ON PAGE 2.

INDICATES OUTLINE
OF DOOR OPENING.



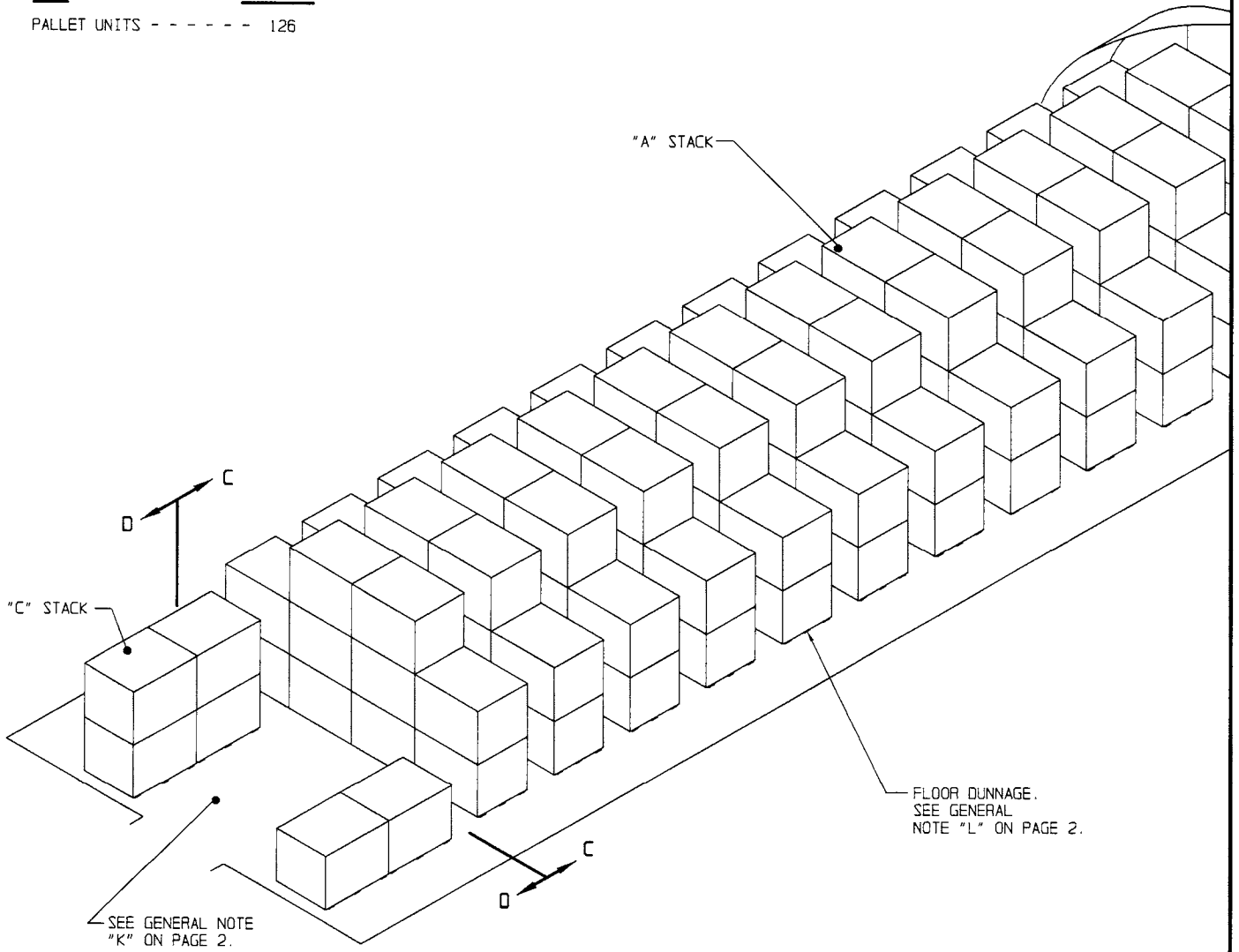
FLOOR DUNNAGE, 1" X 6" X 44"
(3 REOD PER FIRST LAYER
UNIT). SEE LOCATION "B"
DETAIL ON PAGE 3.

STORAGE IN 81'-2" MAGAZINE

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

ITEM QUANTITY

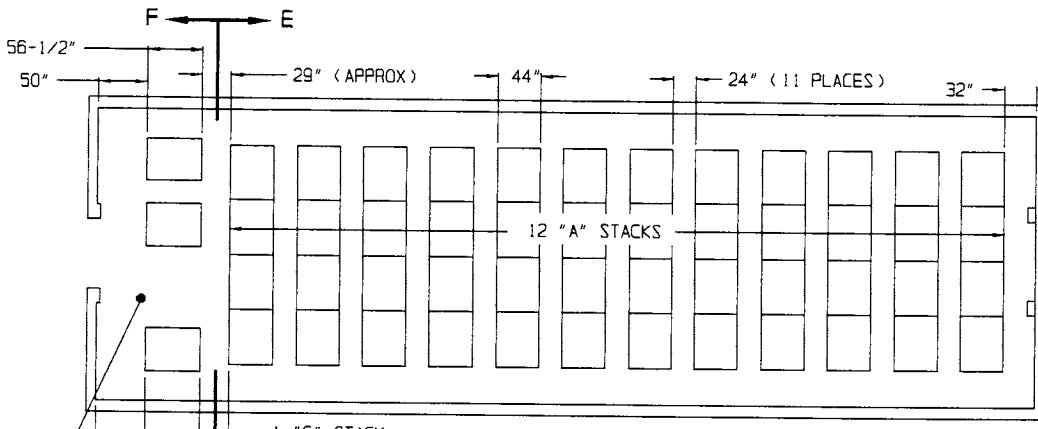
PALLET UNITS - - - - - 126



ISOMETRIC VIEW
(81'-2" MAGAZINE)

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

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

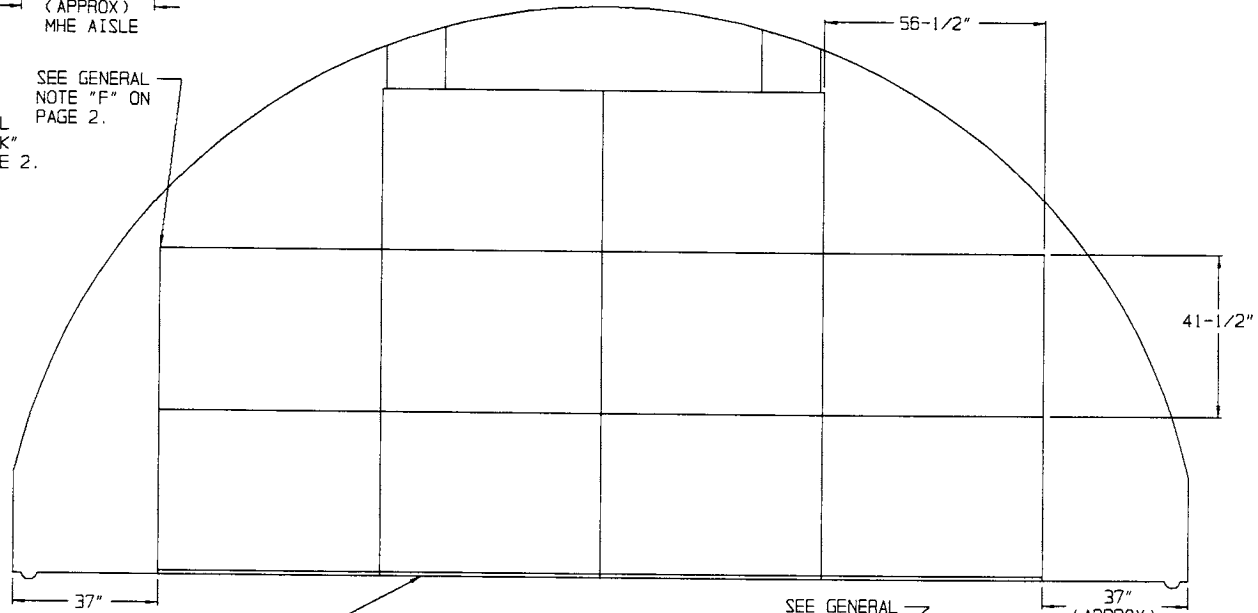


ITEM	QUANTITY
PALLET UNITS	125

PLAN VIEW

(80'-0" MAGAZINE)

SEE GENERAL NOTE "F" ON PAGE 2.
SEE GENERAL NOTE "K" ON PAGE 2.



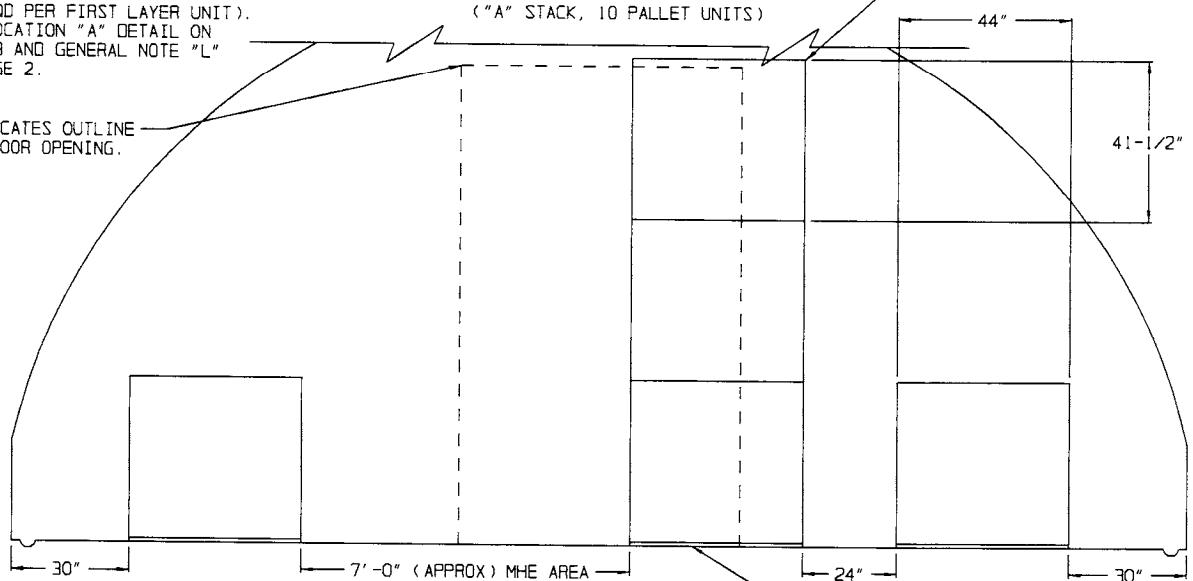
SECTION E-E

("A" STACK, 10 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 52". (3 REOD PER FIRST LAYER UNIT). SEE LOCATION "A" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.



SECTION F-F

("C" STACK, 5 PALLET UNITS)

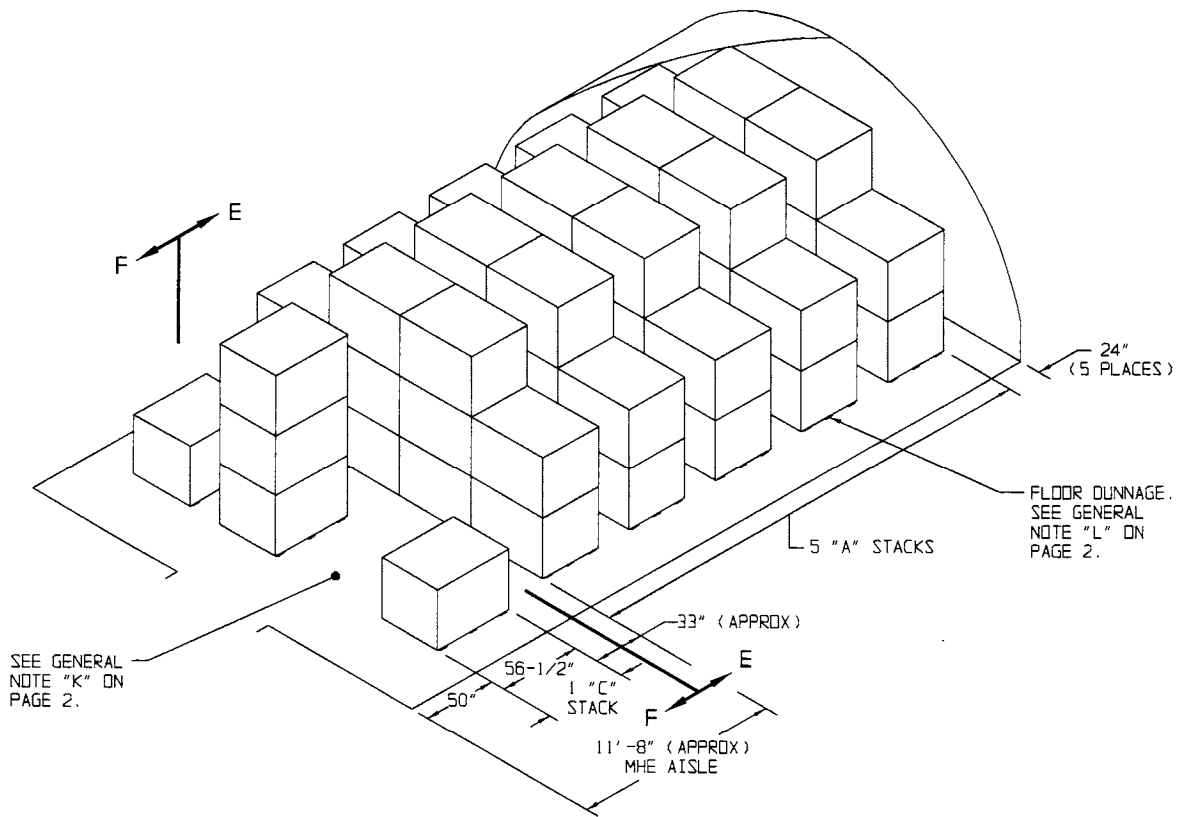
FLOOR DUNNAGE, 1" X 6" X 44". (3 REOD PER FIRST LAYER UNIT). SEE LOCATION "B" DETAIL ON PAGE 3.

STORAGE IN 40'-0" MAGAZINE

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

ITEM QUANTITY

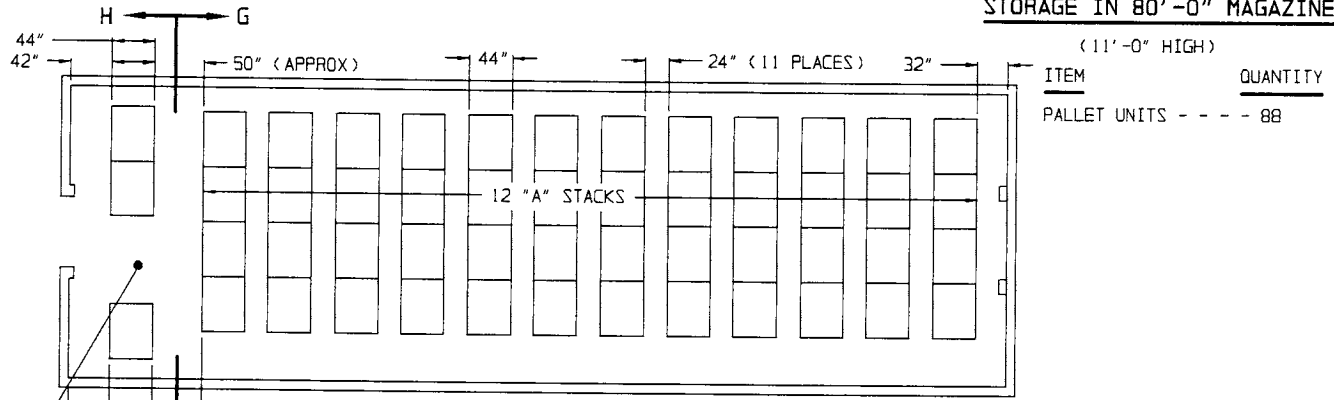
PALLET UNITS - - - - - 55



ISOMETRIC VIEW
(40'-0" MAGAZINE)

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

STORAGE IN 80'-0" MAGAZINE

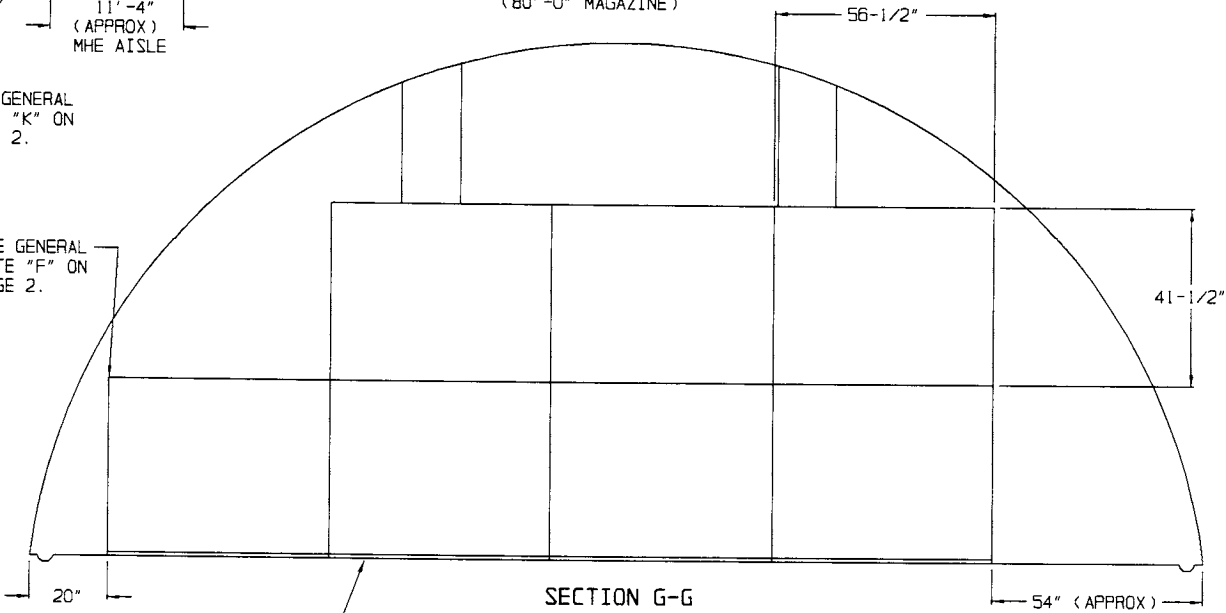


PLAN VIEW

(80'-0" MAGAZINE)

SEE GENERAL NOTE "K" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.



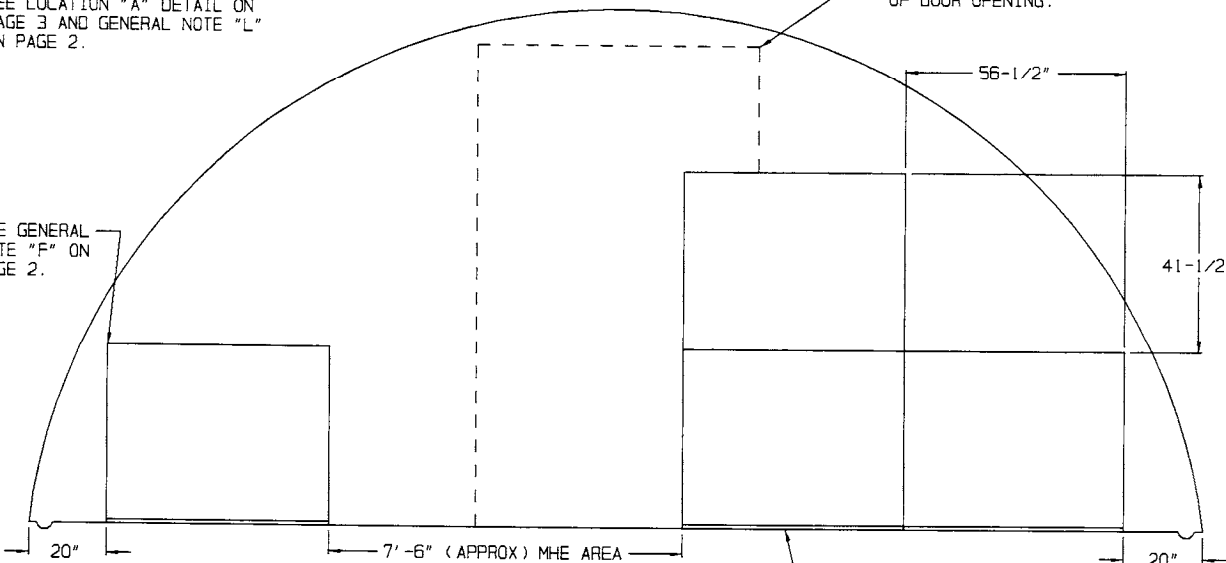
SECTION G-G

("A" STACK, 7 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 52".
(3 REQD PER FIRST LAYER UNIT).
SEE LOCATION "A" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.

SEE GENERAL NOTE "F" ON PAGE 2.



SECTION H-H

("C" STACK, 4 PALLET UNITS)

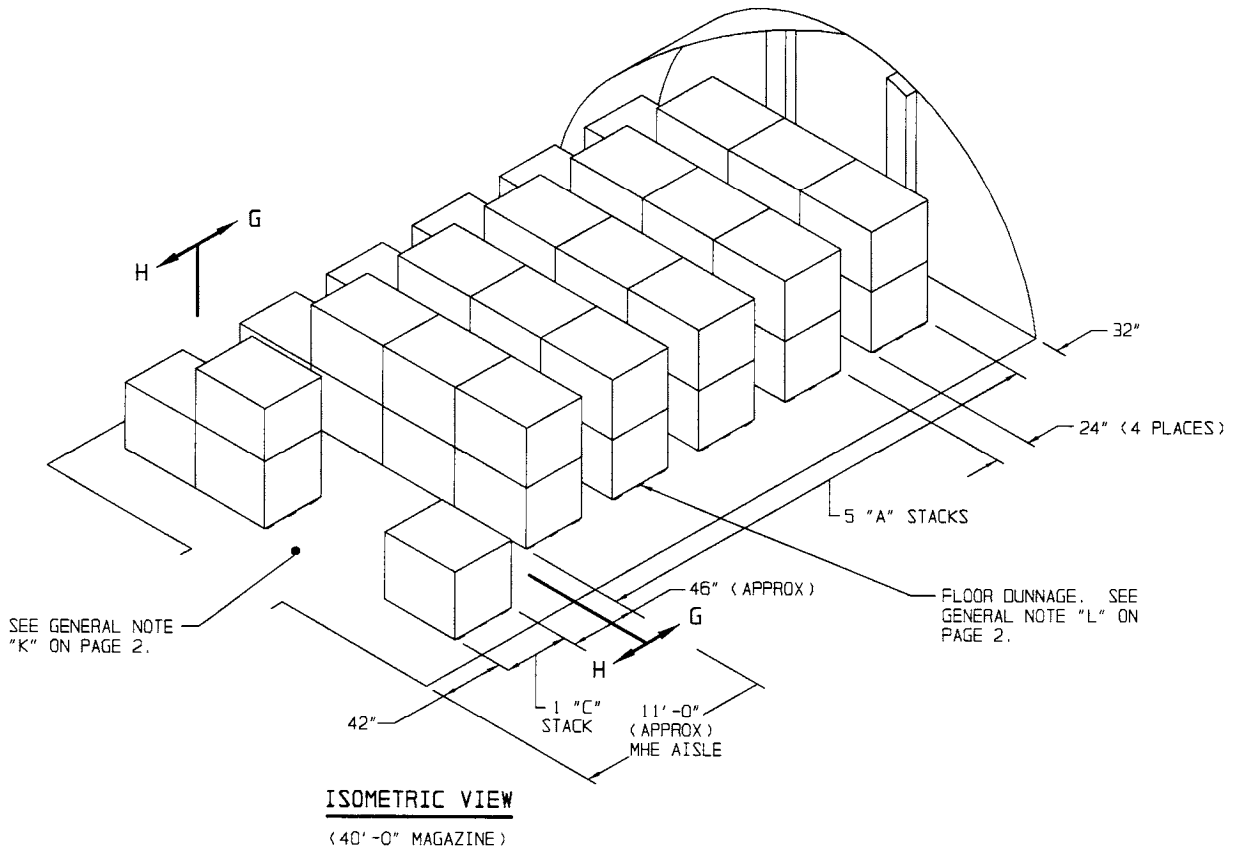
FLOOR DUNNAGE, 1" X 6" X 52".
(3 REQD PER FIRST LAYER UNIT).
SEE LOCATION "A" DETAIL ON PAGE 3.

STORAGE IN 40'-0" MAGAZINE

(11'-0" HIGH)

ITEM QUANTITY

PALLET UNITS - - - - - 39

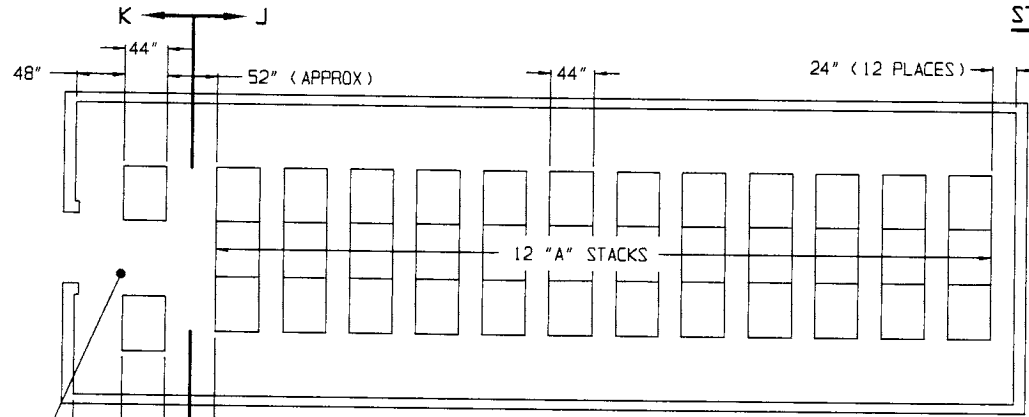


FOR "GENERAL NOTES" AND "MATERIAL SPECIFICATIONS", SEE PAGE 2.

STORAGE IN 80'-0" MAGAZINE

(10'-0" HIGH)

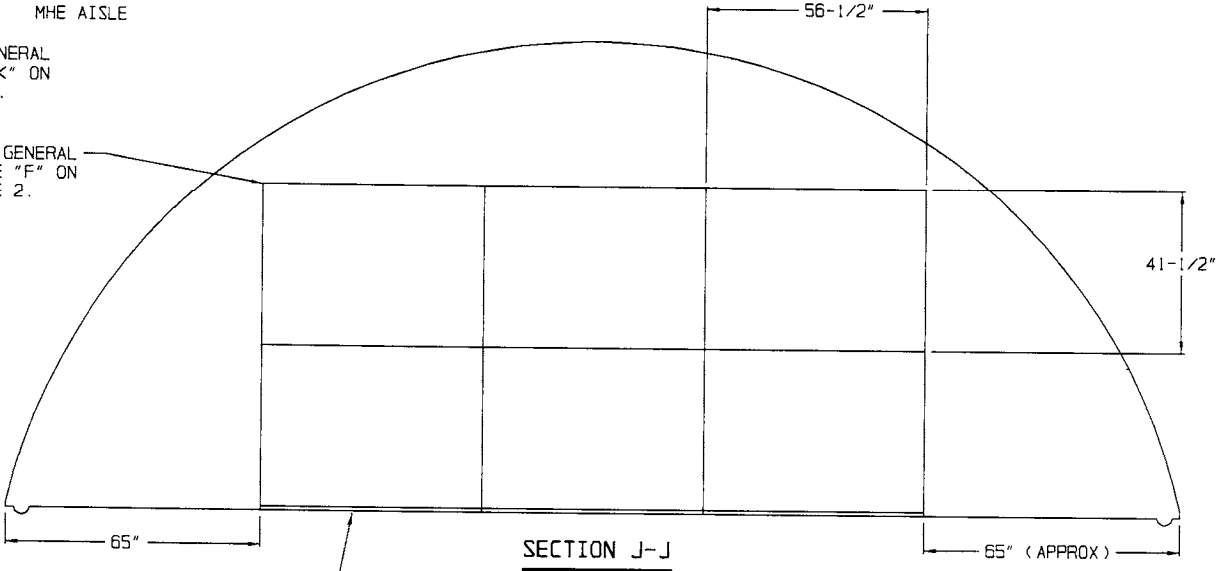
ITEM	QUANTITY
PALLET UNITS - - - -	75



PLAN VIEW
(80'-0" MAGAZINE)

SEE GENERAL NOTE "K" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.

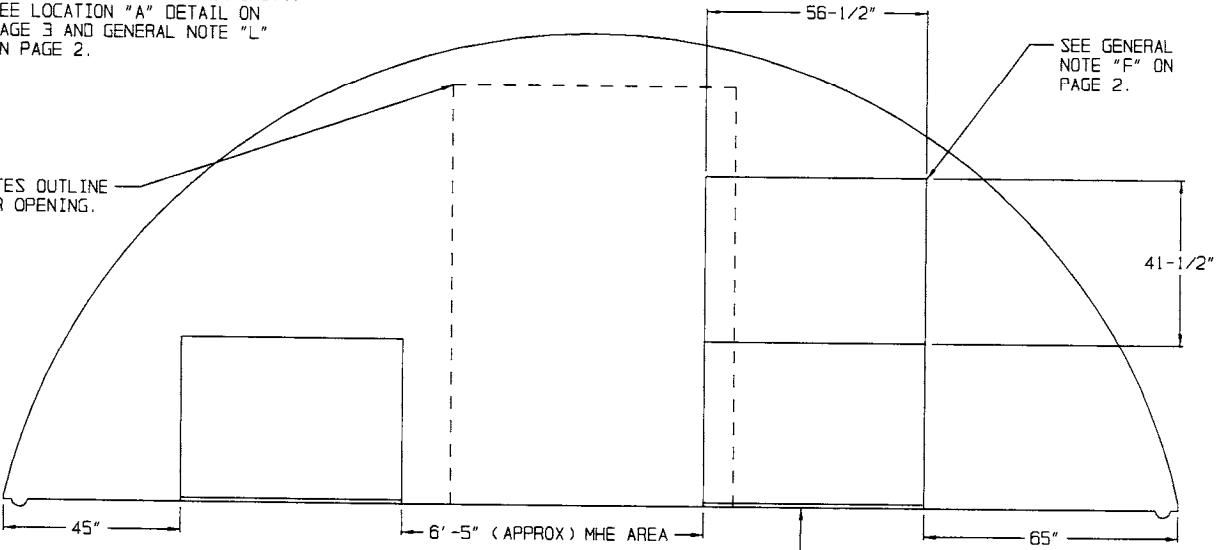


SECTION J-J
("A" STACK, 6 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 52".
(3 REQD PER FIRST LAYER UNIT).
SEE LOCATION "A" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.



SECTION K-K
("C" STACK, 3 PALLET UNITS)

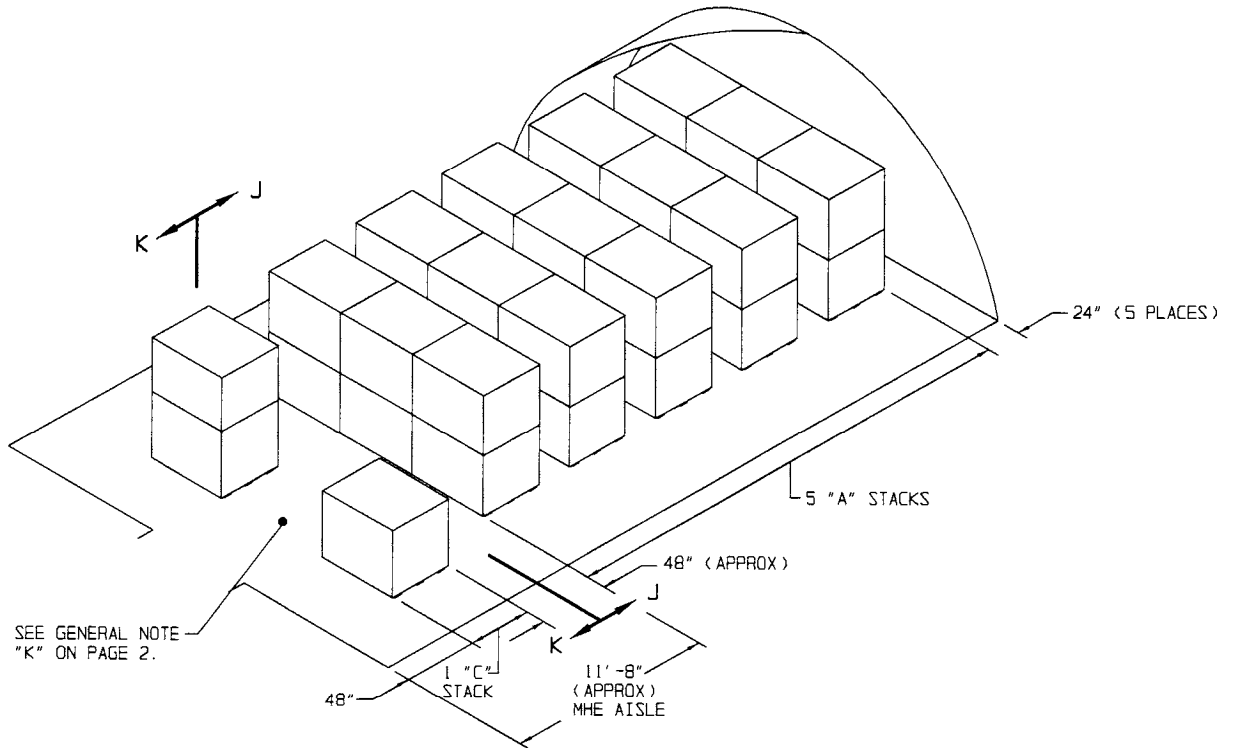
FLOOR DUNNAGE, 1" X 6" X 52".
(3 REQD PER FIRST LAYER UNIT).
SEE LOCATION "A" DETAIL ON PAGE 3.

STORAGE IN 40'-0" MAGAZINE

(10'-0" HIGH)

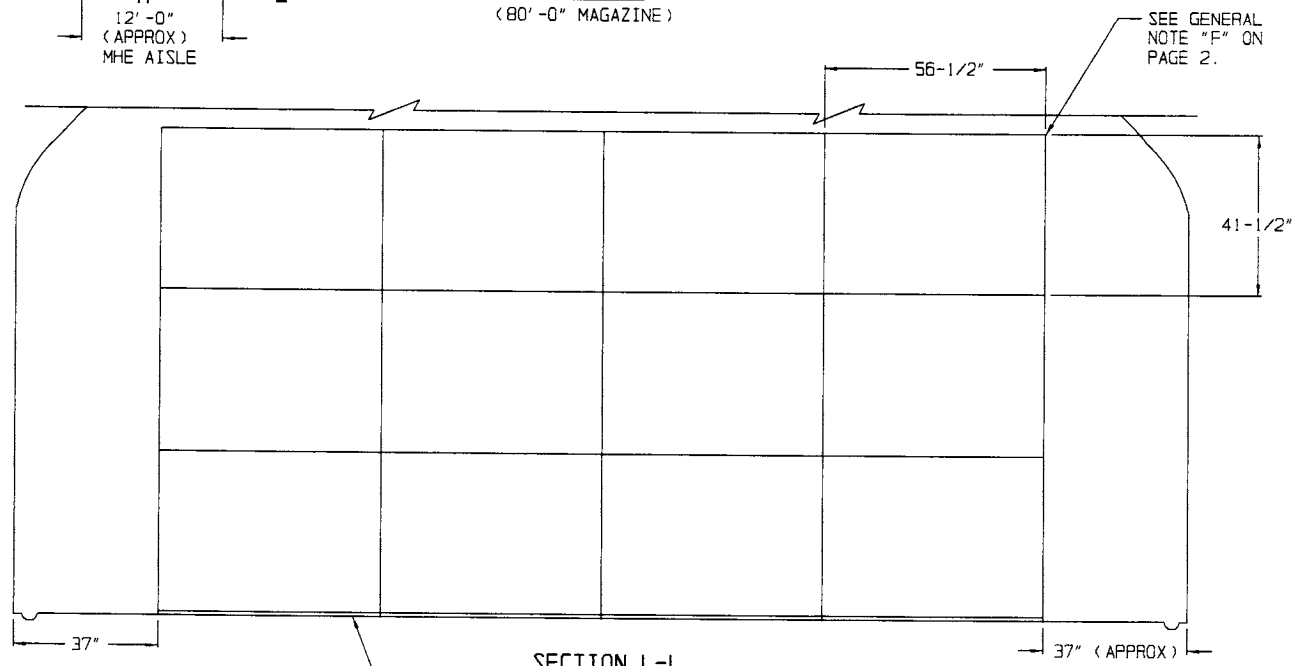
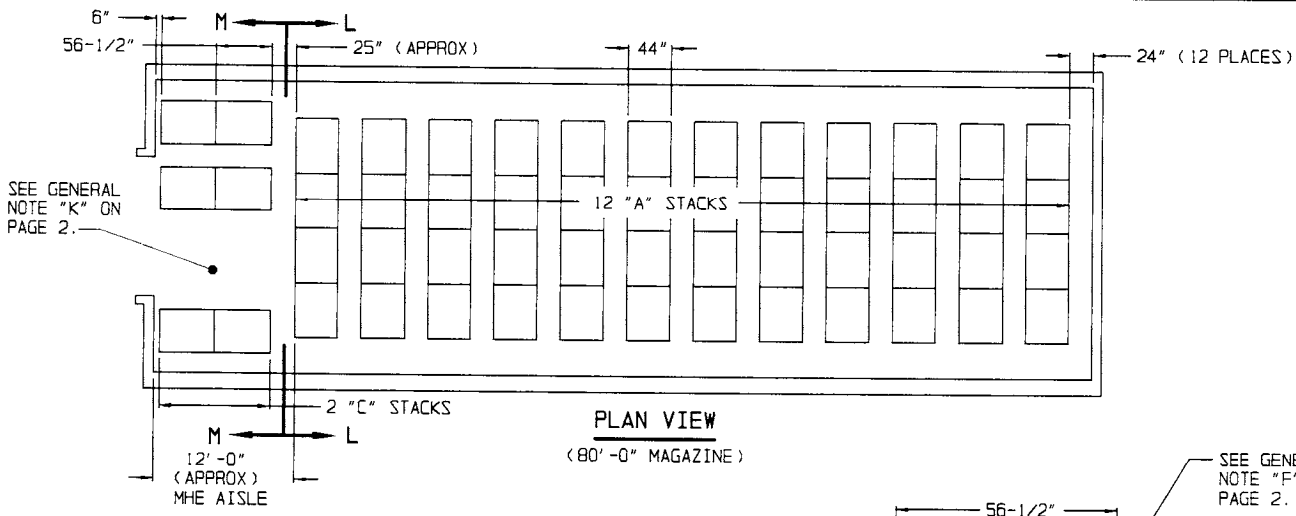
ITEM QUANTITY

PALLET UNITS - - - - -33

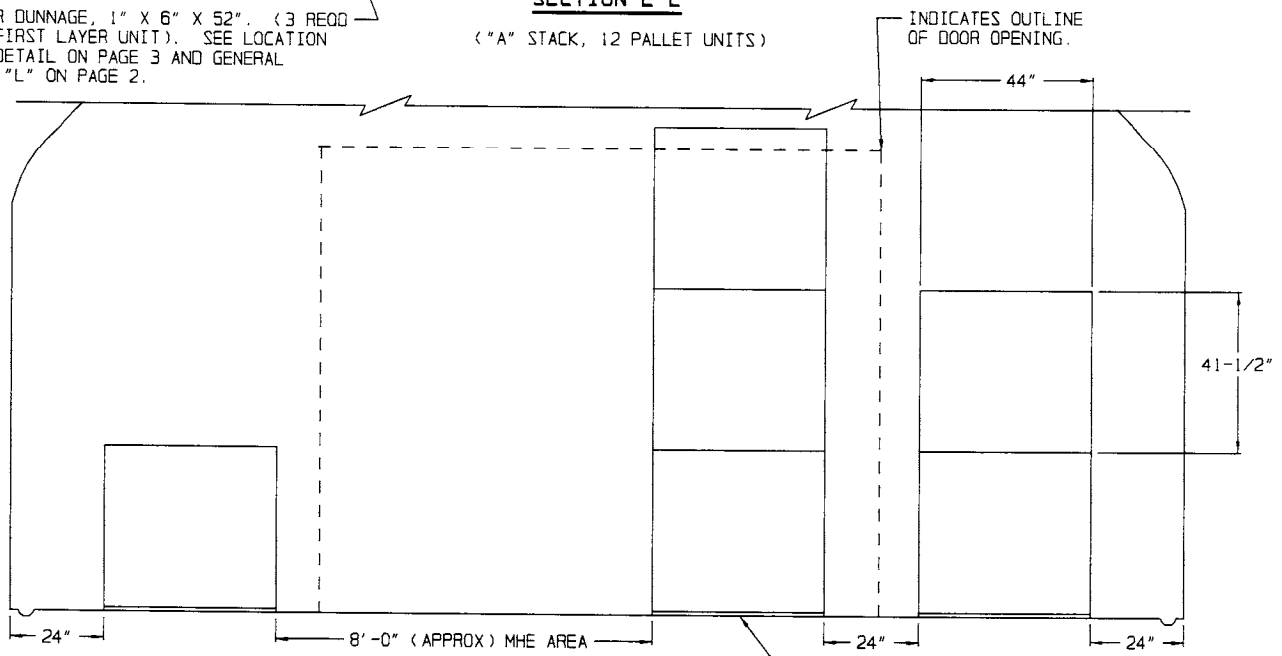


ISOMETRIC VIEW
(40'-0" MAGAZINE)

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



FLOOR DUNNAGE, 1" X 6" X 52". (3 REQD PER FIRST LAYER UNIT). SEE LOCATION "A" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

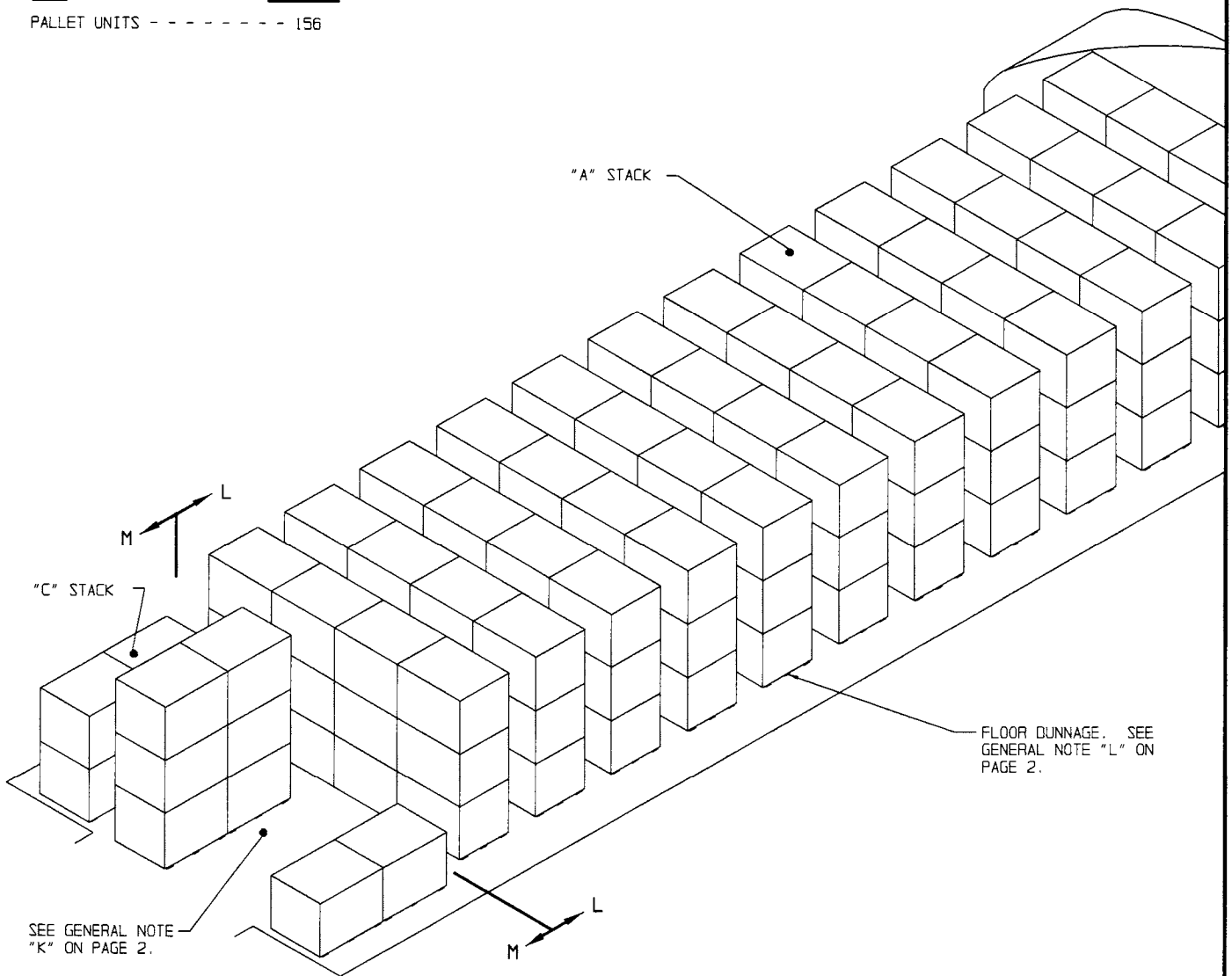


STORAGE IN 80'-0" MAGAZINE

(14'-0" HIGH)

ITEM QUANTITY

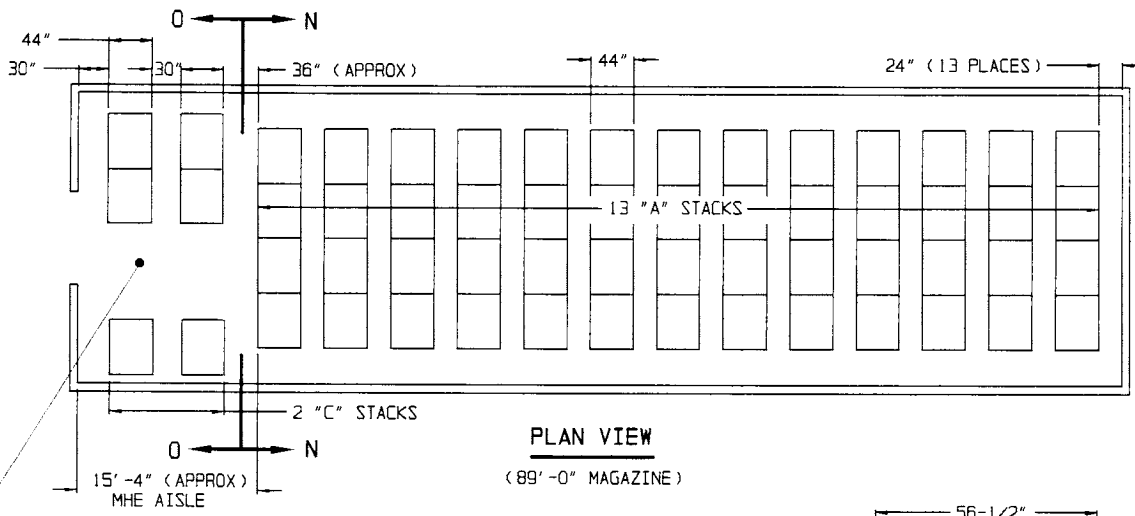
PALLET UNITS - - - - - 156



ISOMETRIC VIEW

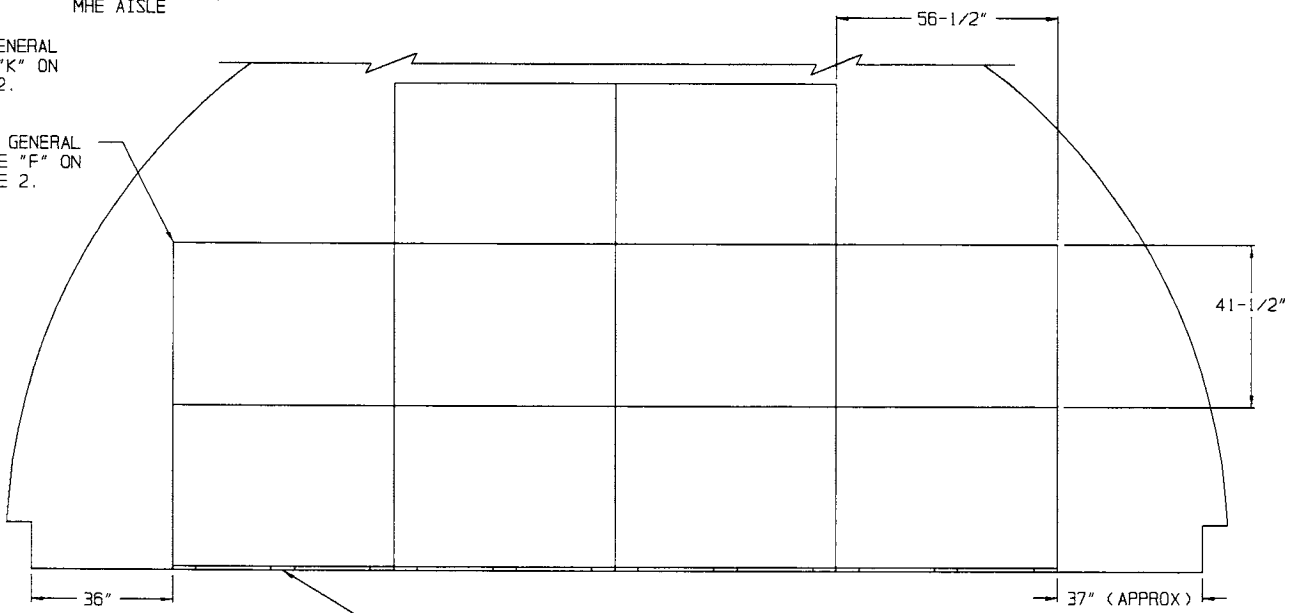
(80'-0" MAGAZINE)

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



SEE GENERAL NOTE "K" ON PAGE 2.

SEE GENERAL NOTE "F" ON PAGE 2.



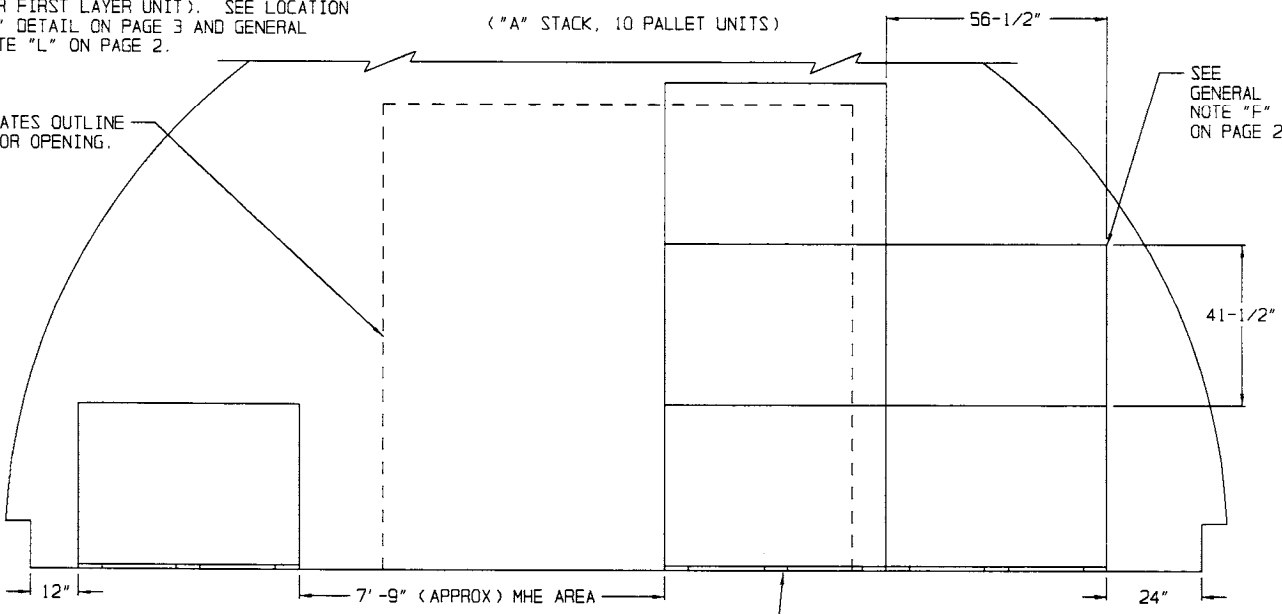
SECTION N-N

("A" STACK, 10 PALLET UNITS)

FLOOR DUNNAGE, 1" X 6" X 44". (3 REOD PER FIRST LAYER UNIT). SEE LOCATION "B" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

INDICATES OUTLINE OF DOOR OPENING.

SEE GENERAL NOTE "F" ON PAGE 2.



SECTION O-O

("C" STACK, 6 PALLET UNITS)

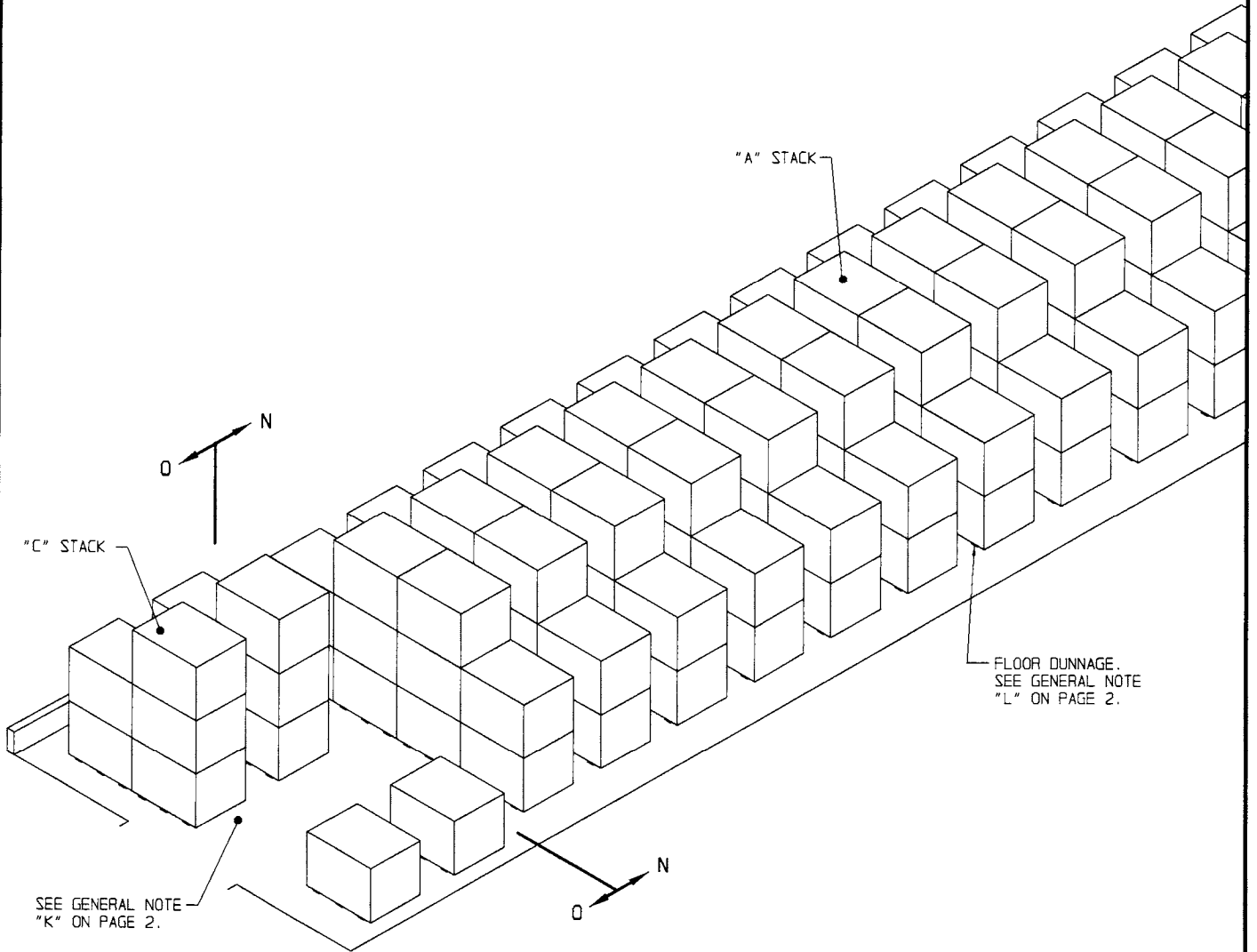
FLOOR DUNNAGE, 1" X 6" X 44". (3 REOD PER FIRST LAYER UNIT). SEE LOCATION "B" DETAIL ON PAGE 3.

STORAGE IN 89'-0" MAGAZINE

(13'-6" HIGH)

ITEM QUANTITY

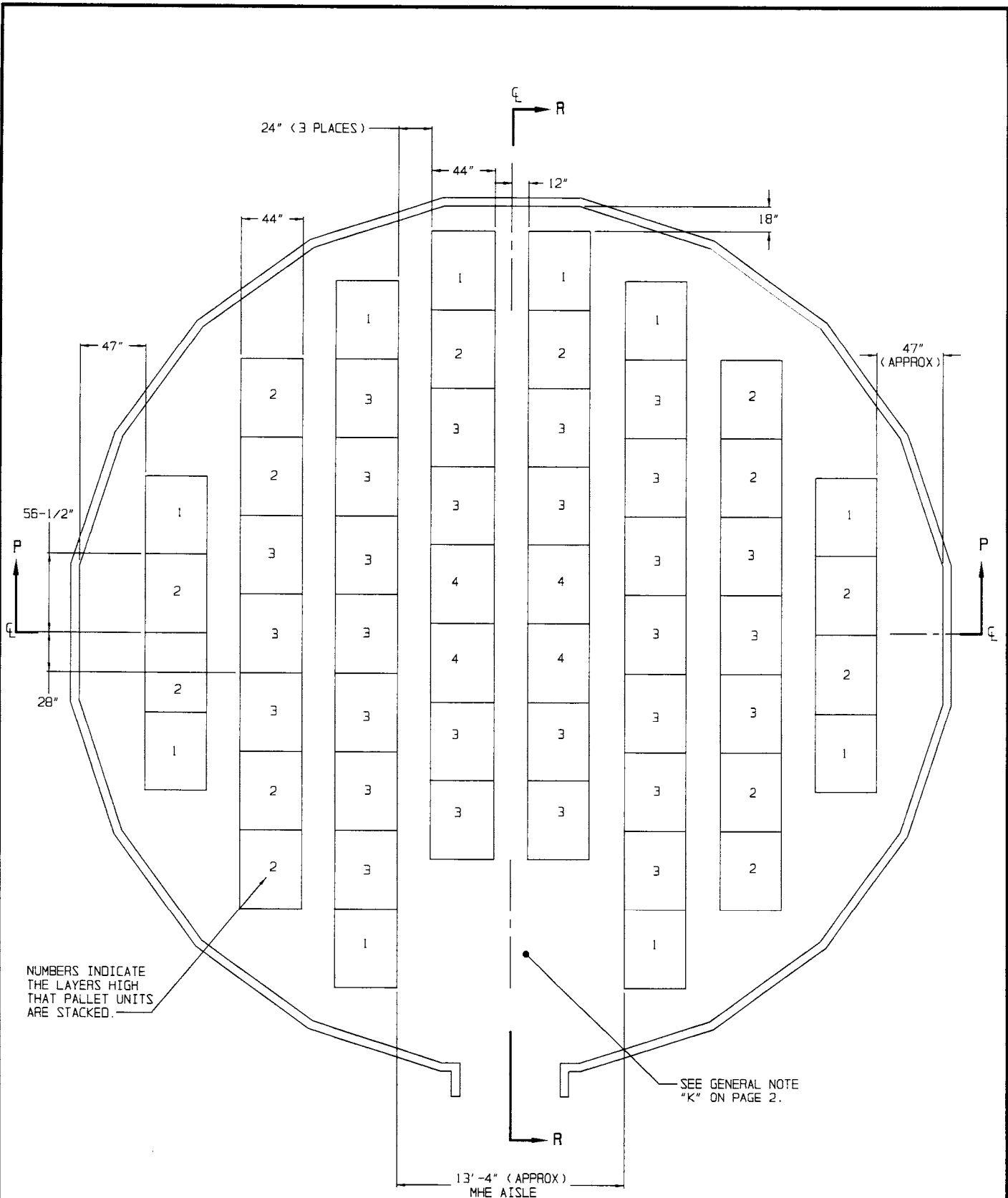
PALLET UNITS - - - - - 142



ISOMETRIC VIEW

(89'-0" MAGAZINE)

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



NUMBERS INDICATE THE LAYERS HIGH THAT PALLET UNITS ARE STACKED.

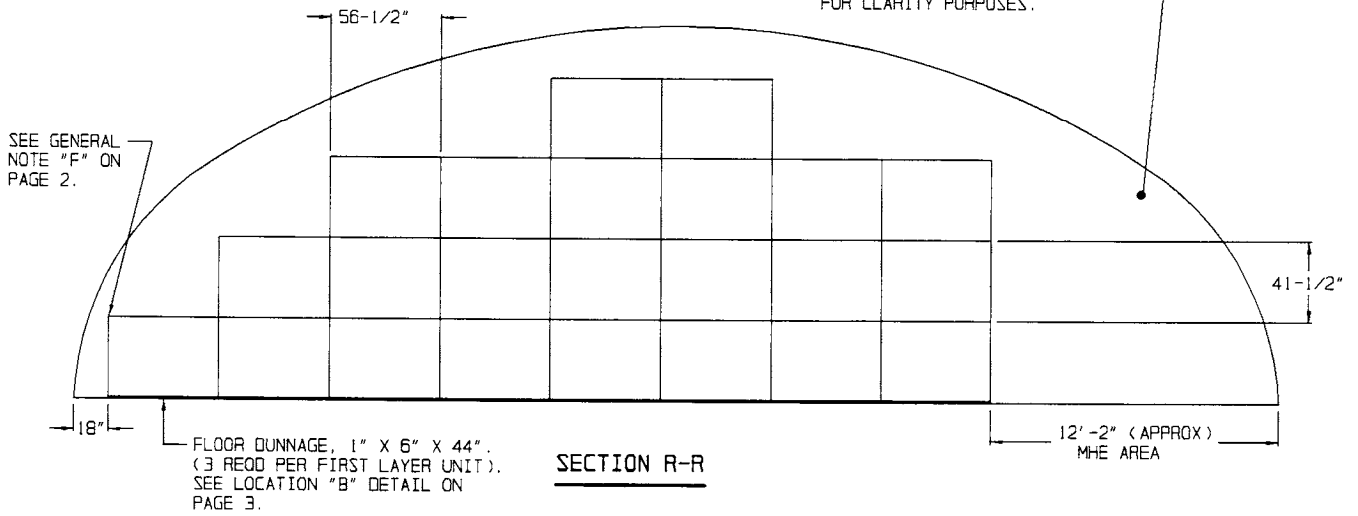
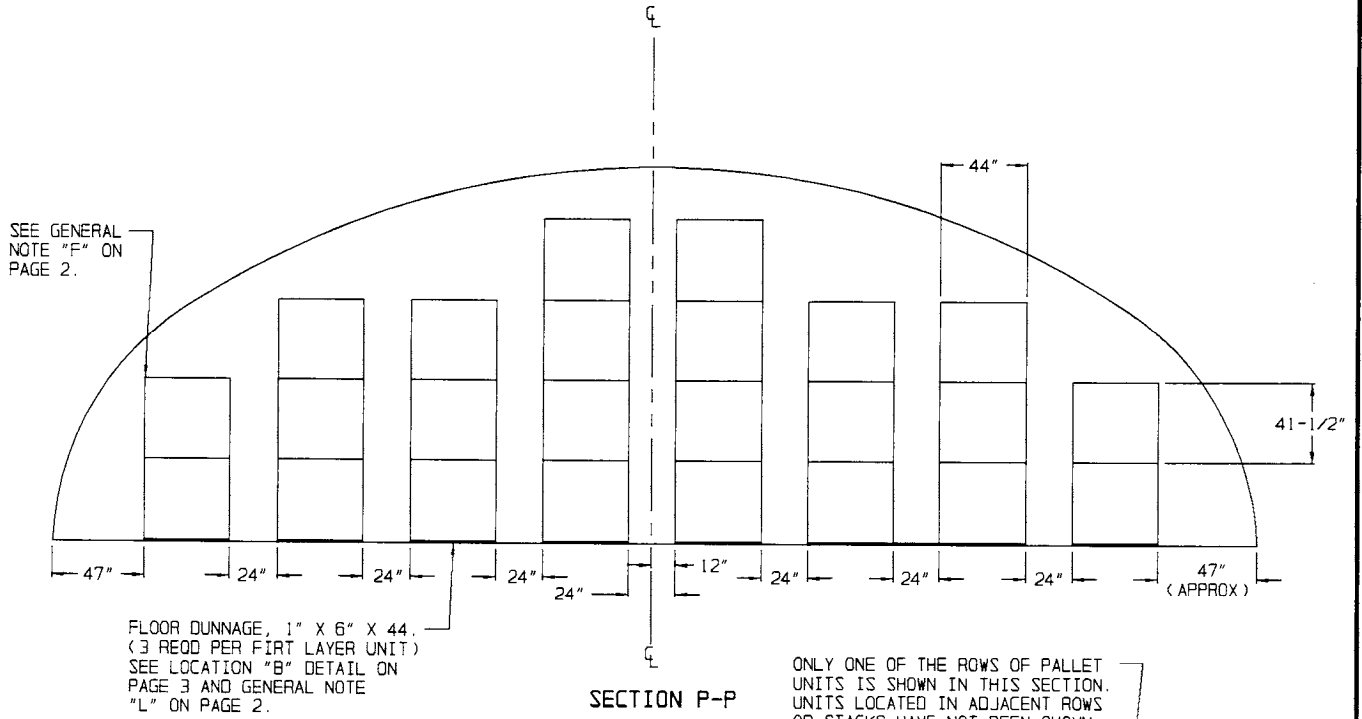
SEE GENERAL NOTE "K" ON PAGE 2.

PLAN VIEW
(52'-0" DIA MAGAZINE)

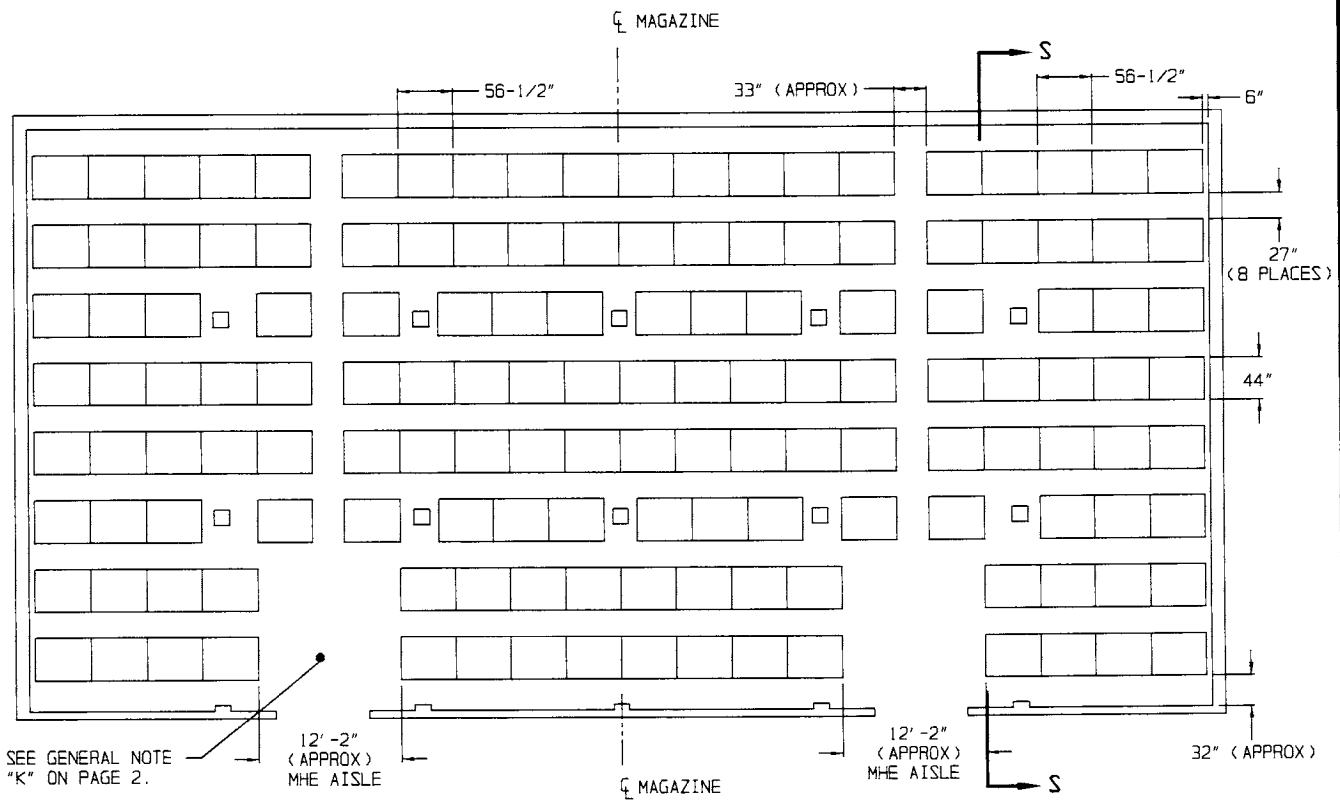
STORAGE PROCEDURES IN 52'-0" DIA CORBETTA MAGAZINE

STORAGE IN 52'-0" DIA MAGAZINE

<u>ITEM</u>	<u>QUANTITY</u>
PALLET UNITS - - - - -	138



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



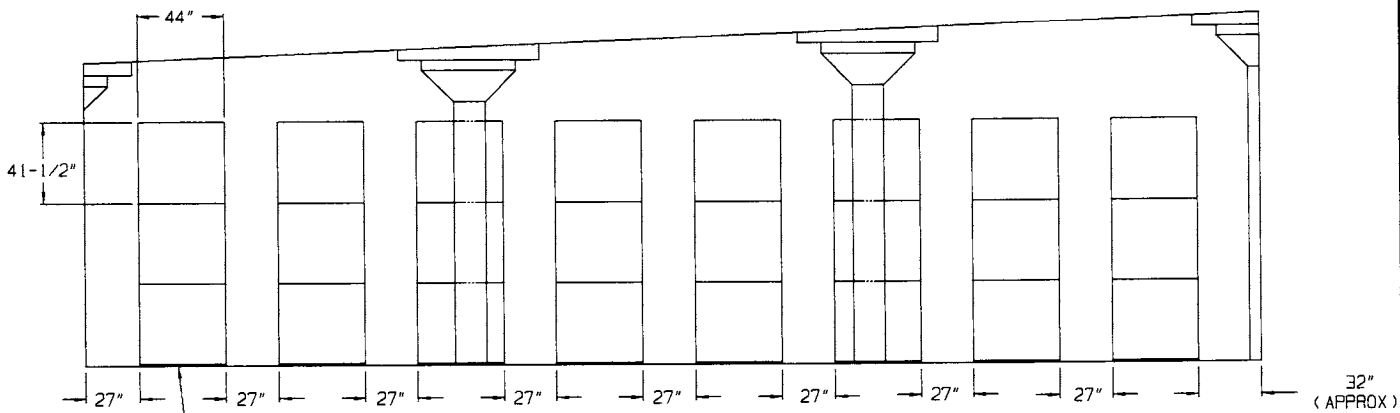
SEE GENERAL NOTE
"K" ON PAGE 2.

12'-2"
(APPROX)
MHE AISLE

12'-2"
(APPROX)
MHE AISLE

PLAN VIEW

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



SECTION S-S

FLOOR DUNNAGE, 1" X 6" X 44".
(3 REOD PER FIRST LAYER UNIT).
SEE LOCATION "B" DETAIL ON
PAGE 3 AND GENERAL NOTE
"L" ON PAGE 2.

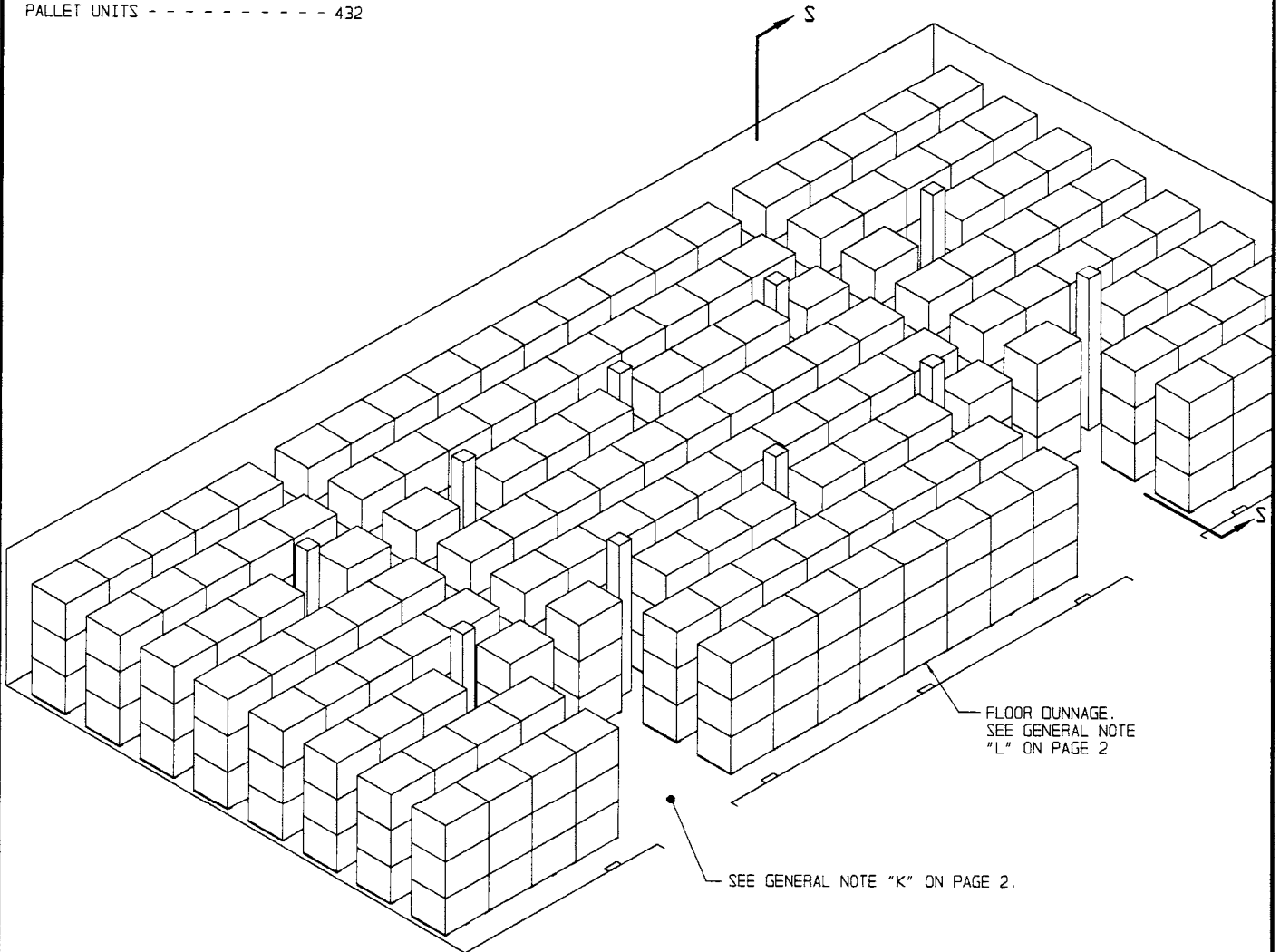
STORAGE PROCEDURES IN 100'-8" L X 50'-0" W RECTANGULAR MAGAZINE

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

ITEM

QUANTITY

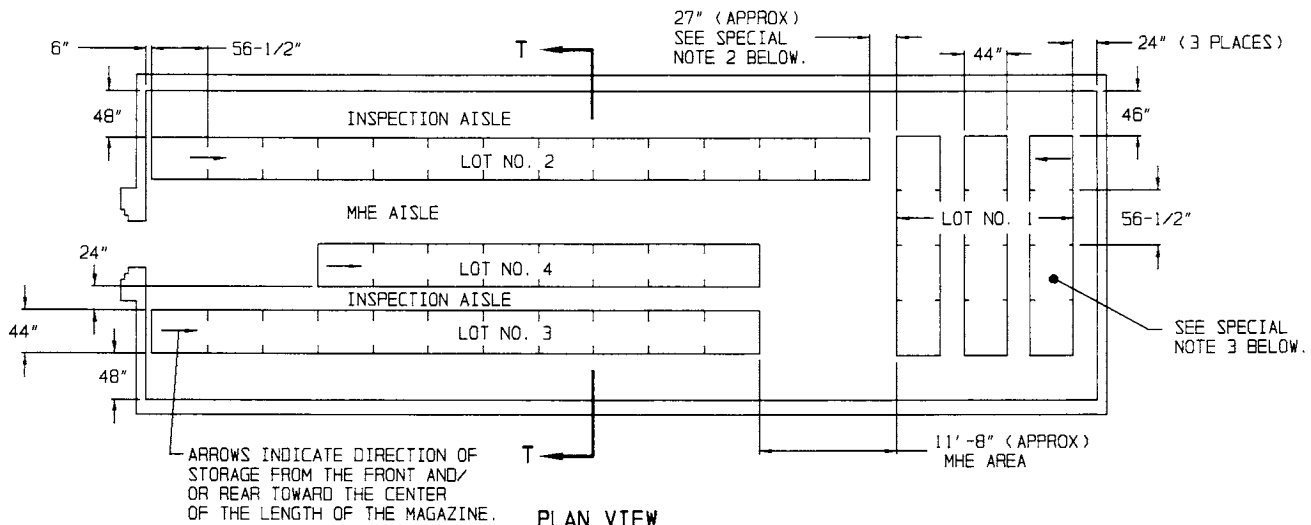
PALLET UNITS - - - - - 432



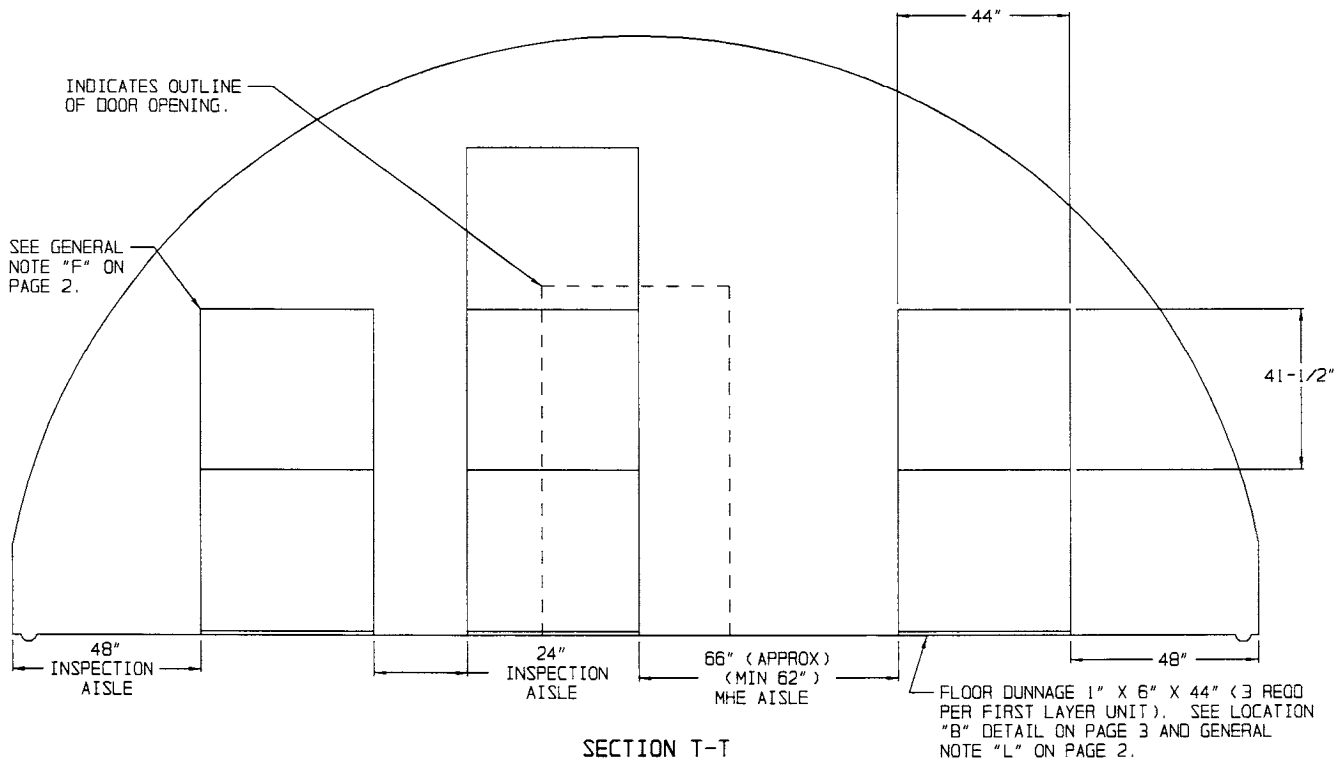
ISOMETRIC VIEW

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

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



PLAN VIEW
(81'-0" IGLOO SHOWN)



SECTION T-T

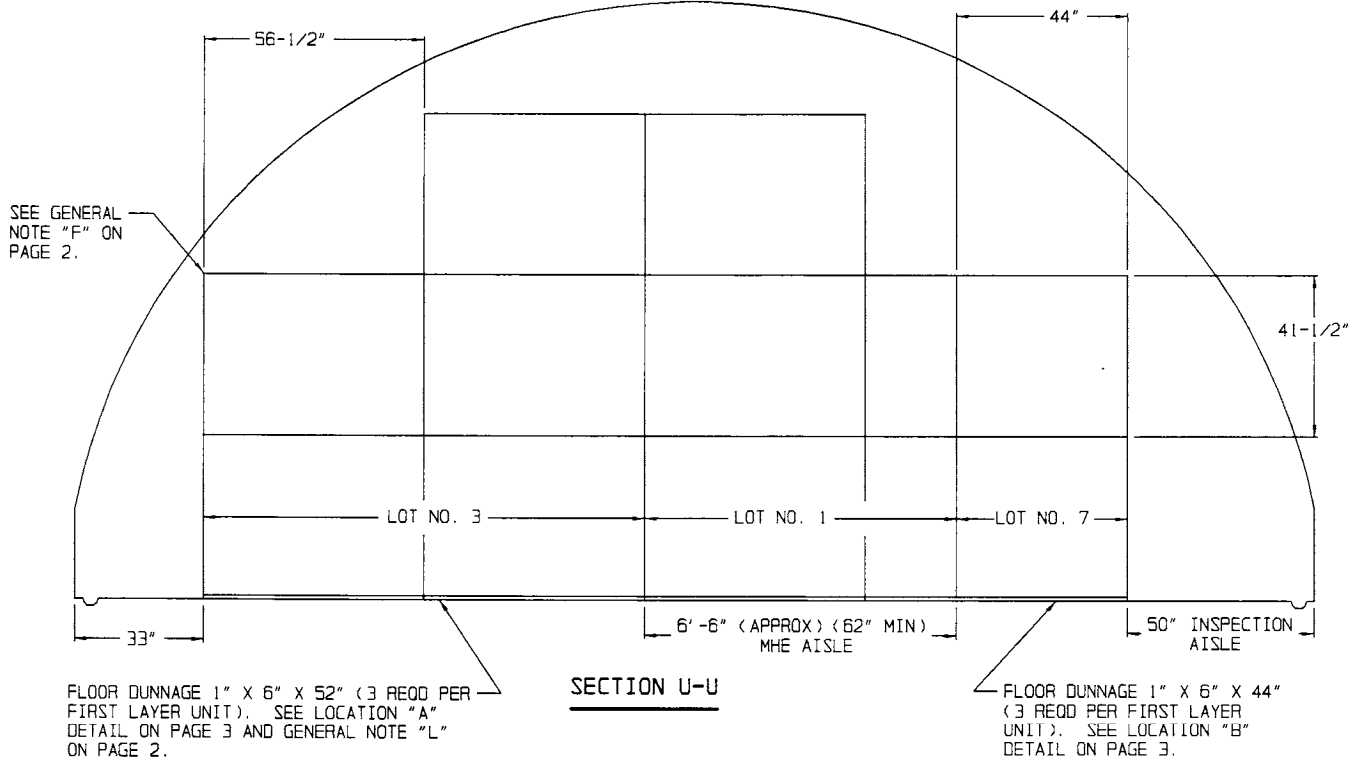
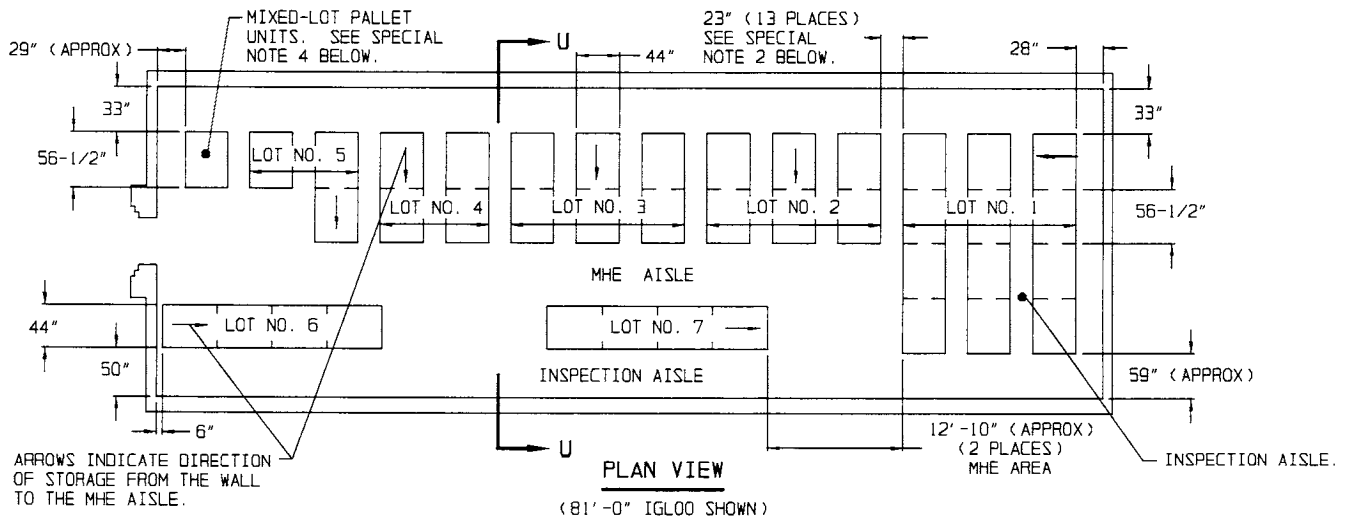
SPECIAL NOTES:

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/INVENTORY AISLE APPROXIMATELY 24" WIDE MUST BE PROVIDED AT BOTH SIDES OF THE PALLET UNITS, WHERE HUMIDITY INDICATORS ARE LOCATED, WITHIN 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.

(CONTINUED AT RIGHT)

(SPECIAL NOTES CONTINUED)

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) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THAT LOT. A "LIFT" MAY CONSIST OF ONE (1) OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF THE MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
5. FOR STORAGE OF MULTIPLE-LOTS, THE DISTANCE FROM THE SIDE-WALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR THE MHE.
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.



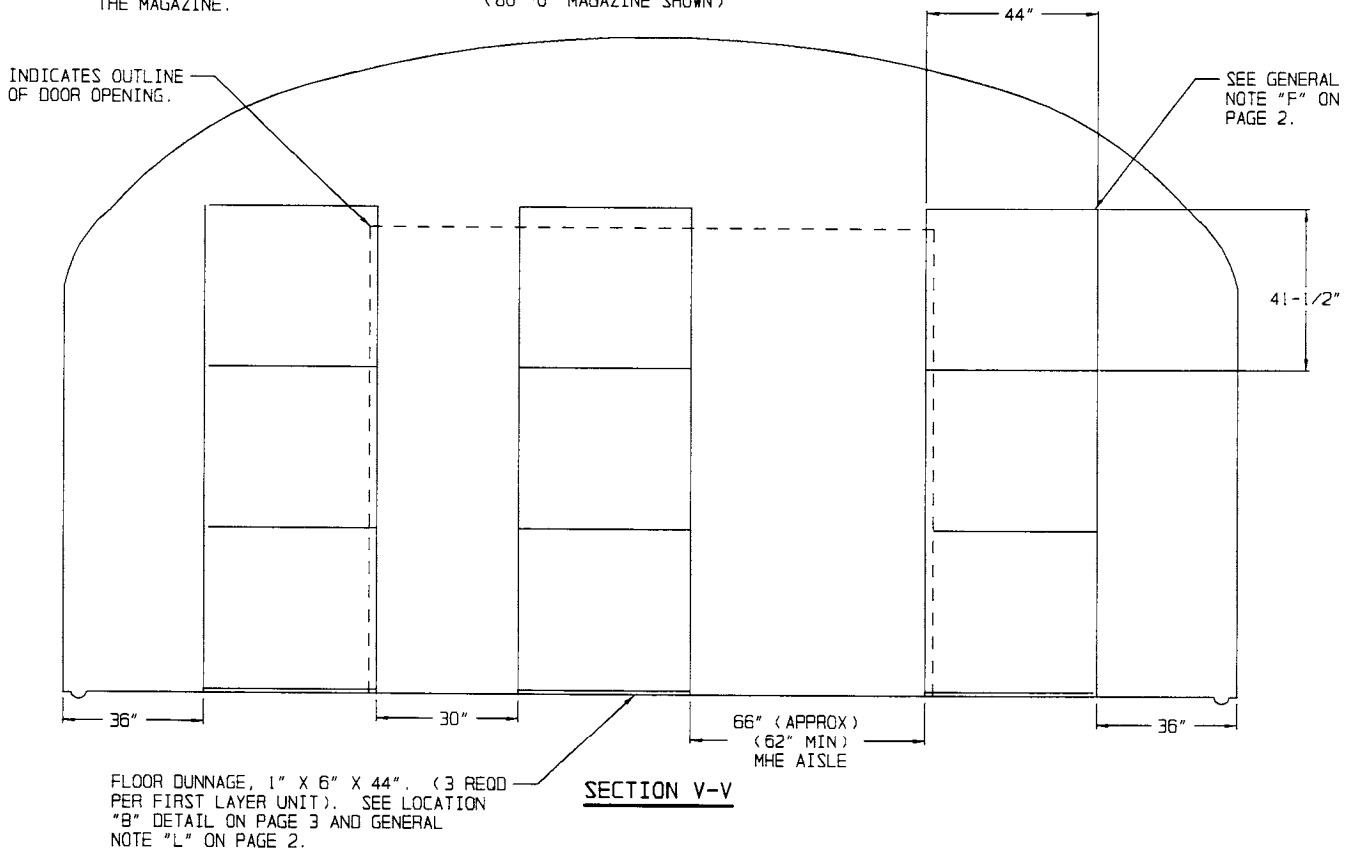
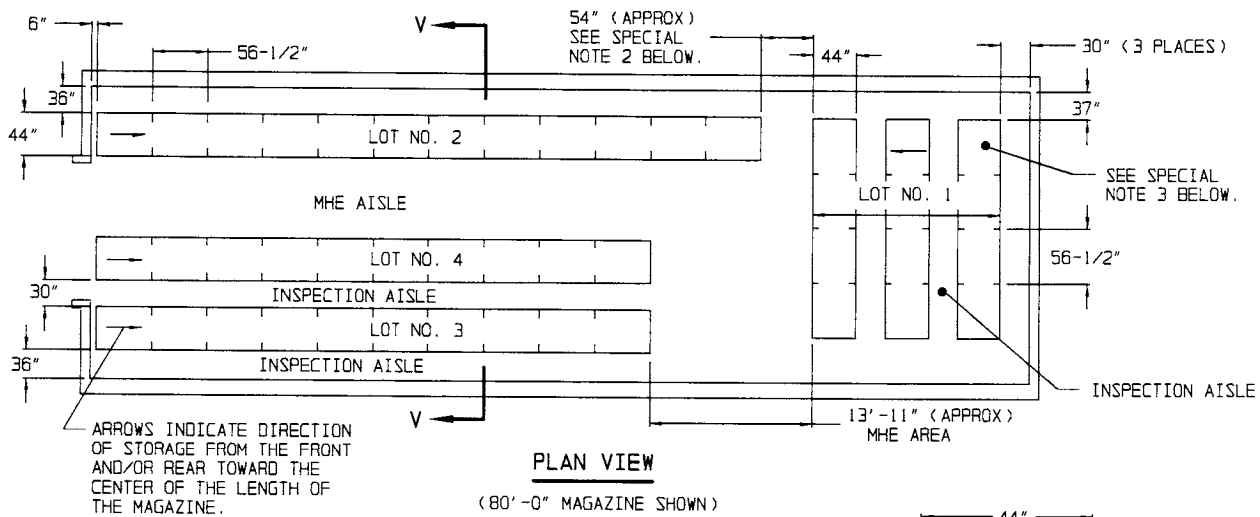
SPECIAL NOTES:

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 APPROXIMATELY 24" WIDE MUST BE PROVIDED AT BOTH SIDES OF THE PALLET UNITS, WHERE HUMIDITY INDICATORS ARE LOCATED, WITHIN EACH LOT.
3. GENERALLY, THE LARGEST LOT SHOULD BE STORED IN THE REAR OF 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 UPWARD TO AS MANY DIFFERENT LOTS AS CONTAINERS WITHIN THAT UNIT. HOWEVER, ALL CONTAINERS AND 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 MORE PALLET UNITS, PROVIDING THE CAPACITY OF THE MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
6. FOR STORAGE OF MULTIPLE-LOTS, THE DISTANCE FROM THE SIDE-WALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR THE 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.



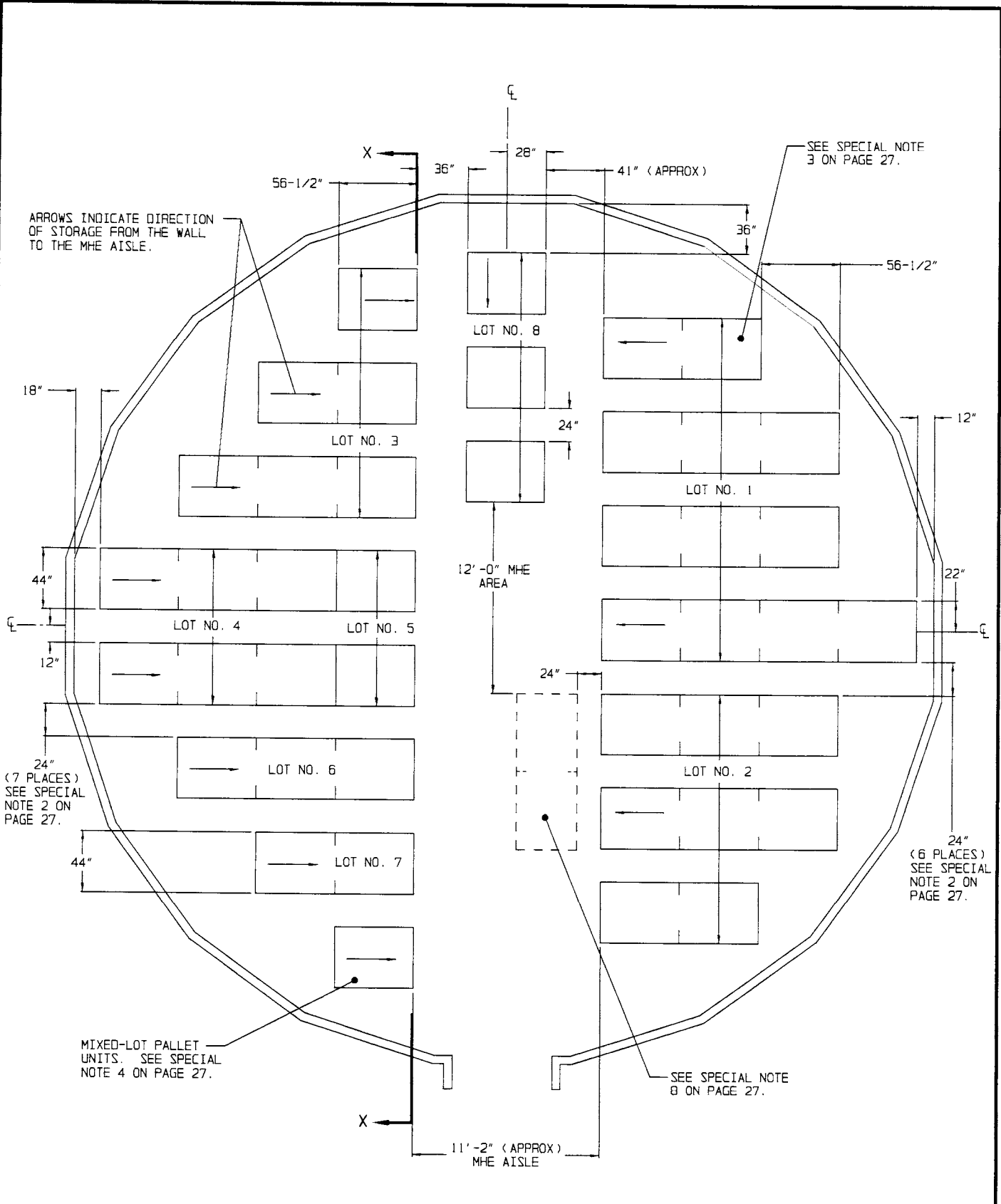
SPECIAL NOTES:

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/INVENTORY AISLE APPROXIMATELY 24" WIDE MUST BE PROVIDED AT BOTH SIDES OF THE PALLET UNITS, WHERE HUMIDITY INDICATORS ARE LOCATED, WITHIN 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.

(SPECIAL NOTES CONTINUED)

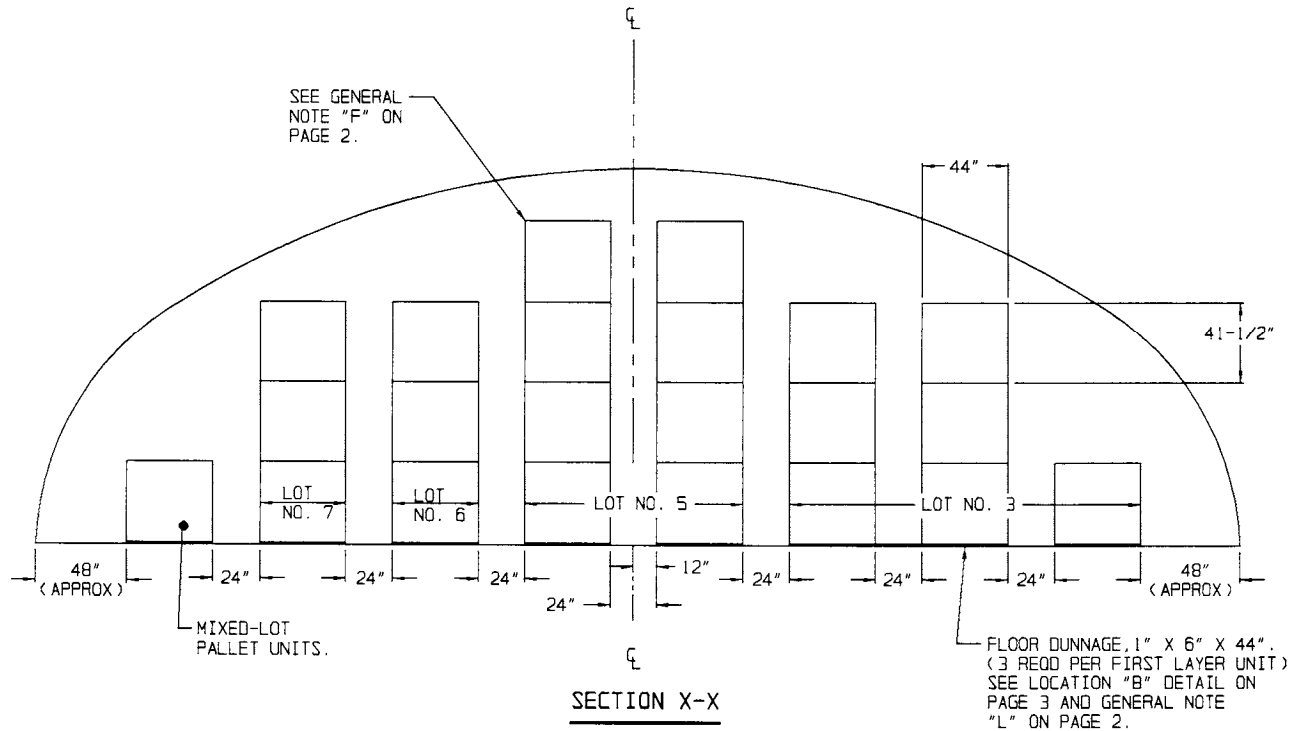
4. EACH LOT WITHIN THE MAGAZINE MUST BE ACCESSIBLE FOR MOVEMENT BY MHE. A SINGLE-LOT OF PALLET UNITS IS CONSIDERED "ACCESSIBLE" IF NO MORE THAN TWELVE (12) "LIFTS" OF ANOTHER LOT OR LOTS HAVE TO BE MADE TO GAIN ACCESS TO THAT LOT. A "LIFT" MAY CONSIST OF ONE (1) OR MORE PALLET UNITS, PROVIDING THE CAPACITY OF THE MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.
5. FOR STORAGE OF MULTIPLE-LOTS, THE DISTANCE FROM THE SIDE-WALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR THE MHE.
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.

(CONTINUED AT RIGHT)



PLAN VIEW
 (52'-0" DIA MAGAZINE)

TYPICAL MULTIPLE-LOT STORAGE IN CORBETTA MAGAZINE



SPECIAL NOTES:

1. THE STORAGE PLANS SHOWN ARE TYPICAL ONLY. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE APPROXIMATELY 24" WIDE MUST BE PROVIDED AT BOTH SIDES OF THE PALLET UNITS, WHERE HUMIDITY INDICATORS ARE LOCATED, WITHIN 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 IN THE GENERAL NOTES ON PAGE 2.
4. A MIXED-LOT PALLET UNIT MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARD TO AS MANY DIFFERENT LOTS AS CONTAINERS WITHIN THAT UNIT. HOWEVER, ALL CONTAINERS 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 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 THE MHE PERMITS, AND SAFE HANDLING IS NOT JEOPARDIZED.

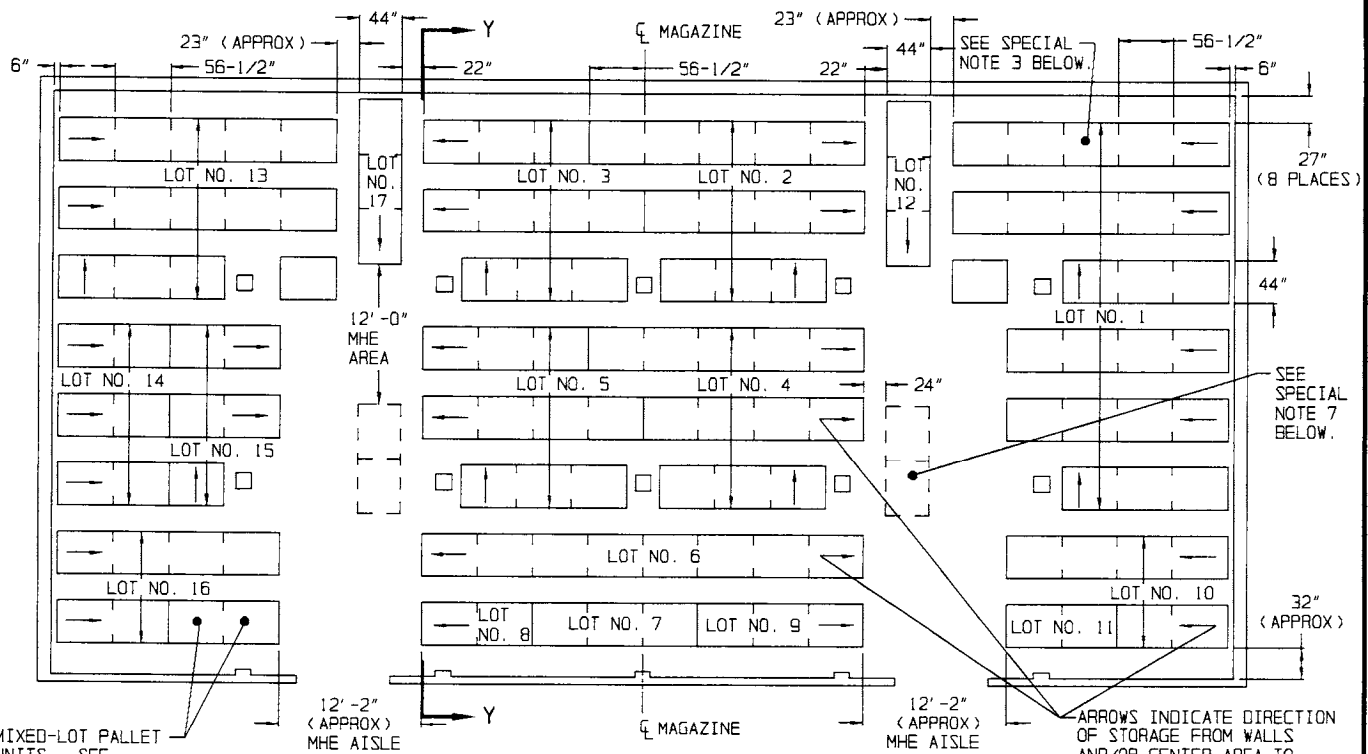
(CONTINUED AT RIGHT)

(SPECIAL NOTES CONTINUED)

6. FOR STORAGE OF MULTIPLE-LOTS, THE DISTANCE FROM THE SIDE-WALL WILL BE BASED ON THE OVERHEAD CLEARANCE REQUIRED FOR THE 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, 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 PALLET UNITS THAT CAN BE STORED IN AN "ADDITIONAL STORAGE LOCATION". MORE OR FEWER UNITS THAN SHOWN MAY BE STORED AT ANY ONE OF THE ADDITIONAL STORAGE LOCATIONS. A 12'-0" MHE 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 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 IN STORAGE RESULTS.

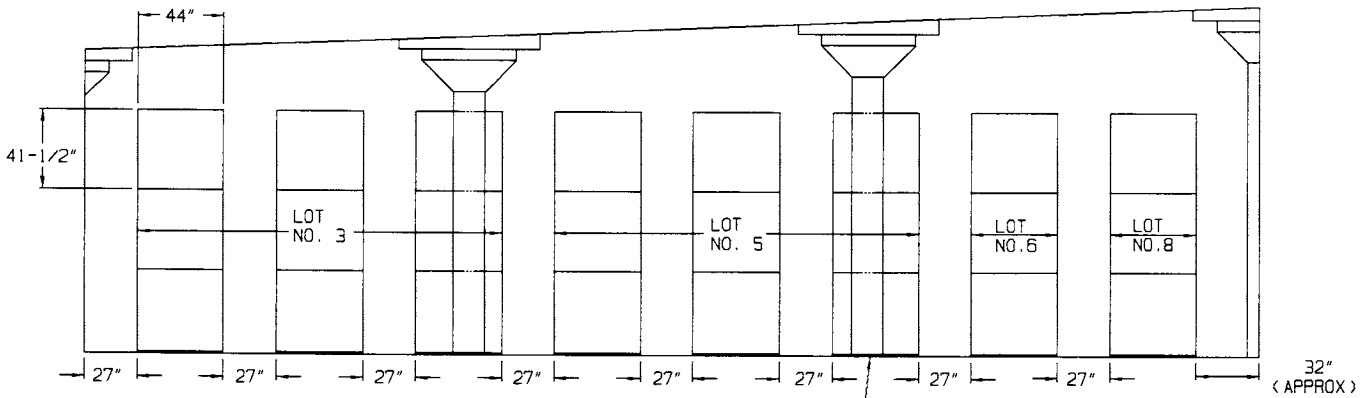
TYPICAL MULTIPLE-LOT STORAGE IN CORBETTA MAGAZINE

PAGE 27



PLAN VIEW

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



SECTION Y-Y

FLOOR DUNNAGE, 1" X 6" X 44". (3 REQD PER FIRST LAYER UNIT). SEE LOCATION "B" DETAIL ON PAGE 3 AND GENERAL NOTE "L" ON PAGE 2.

SPECIAL NOTES:

(SPECIAL NOTES CONTINUED)

1. THE STORAGE PLANS SHOWN ARE TYPICAL ONLY. ADAPTATIONS MAY BE MADE AS NUMBER AND SIZES OF LOTS TO BE STORED IN MAGAZINE REQUIRE.
2. AN INSPECTION/INVENTORY AISLE APPROXIMATELY 24" WIDE MUST BE PROVIDED AT BOTH SIDES OF THE PALLET UNITS, WHERE HUMIDITY INDICATORS ARE LOCATED, WITHIN 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 CENTER AREA. 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. MIXED-LOT PALLET UNIT MAY HAVE FROM TWO LOTS PER PALLET UNIT UPWARD TO AS MANY DIFFERENT LOTS AS CONTAINERS WITHIN THAT UNIT. HOWEVER, ALL CONTAINERS 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 NO 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.

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. THE MHE AISLE MAY BE USED TO STORE MORE ONE OR MORE STACKS OF ADDITIONAL LOTS OR ADDITIONAL ITEMS, THAT ARE FROM A LOT ADJACENT TO THE MHE AISLE, AS INDICATED BY THE AREAS ENCLOSED BY DOTTED LINES. MORE OR FEWER STACKS THAN SHOWN MAY BE STORED AT ANY ONE OF THE ADDITIONAL STORAGE LOCATIONS. IF MORE THAN ONE LOT IS TO BE STORED IN AN MHE AISLE A 12'-0" MHE OPERATING AREA MUST BE ALLOWED FOR ACCESS TO EACH LOT FROM ONE END OR THE OTHER. THIS OPERATING AREA IS BASED ON REQUIREMENTS OF FORKLIFT TRUCKS COMMONLY USED IN STORAGE MAGAZINES; ENLARGE AS REQUIRED TO SUIT AVAILABLE FORKLIFT TRUCKS, OR MAKE SMALLER IF AVAILABLE MHE PERMITS. ALSO COMPLIANCE WITH ALL OF THE MULTIPLE-LOT CRITERIA AS SET FORTH ON THIS PAGE MUST BE OBSERVED.

(CONTINUED AT RIGHT)