

STORAGE IN APPROVED MAGAZINES OF LAUNCHER AND CARTRIDGE, 84MM, M136A1, AT4CS-RS, PACKED 2 PER WOODEN BOX, UNITIZED 8 BOXES PER 30.9" X 40.55" SPECIAL SIZE PALLET, OR 9 BOXES PER 40" X 48" PALLET

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		CLASS	DIVISION	DRAWING	FILE
		19	48	4363	1-3-4-14-22PA1013

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 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 84MM AT4CS-RS LAUNCHER AND CARTRIDGE 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 TO LOADS OF 84MM AT4CS-RS LAUNCHER AND CARTRIDGE, PACKED 2 PER WOODEN BOX, UNITIZED 8 BOXES PER 30.9" X 40.55" SPECIAL SIZE PALLET OR 9 BOXES PER 40" X 48" PALLET. THE 9 BOX PALLET UNIT, PALLET UNIT "B" ON PAGE 3, IS THE MOST ECONOMICAL CONFIGURATION FOR HANDLING, STORAGE AND TRANSPORTATION, HOWEVER, EITHER UNIT IS ACCEPTABLE FOR USE. SUBSEQUENT REFERENCE TO PALLET UNIT HEREIN MEANS THE PALLET UNIT WITH AMMUNITION ITEMS. SEE PAGE 3, SAAB BOFORS DYNAMICS AB DRAWING 4-113-864, AND U. S. ARMY MATERIEL COMMAND DRAWING 19-48-4116/37C-20PA1002 FOR DETAILS OF THE PALLET UNITS.
- D. **CAUTION:** THESE ITEMS ARE IN A "PROPULSIVE STATE" AND MUST BE STORED WITH THE FORWARD END FACING TOWARDS THE MAGAZINE SIDEWALLS OR THE REAR WALL AS INDICATED BY THE DIRECTIONAL ARROWS ON THE STORAGE VIEWS.
- 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 SIDES OF A MAGAZINE. THEREFORE, UNITS MUST BE STORED A MINIMUM OF 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 DIMENSION 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). HOWEVER, A 24" MINIMUM INSPECTION AISLE MUST BE MAINTAINED AT THE SIDE OF CONTAINERS WHERE SERIAL NUMBER AND LOT NUMBER ARE LOCATED.
- H. THE MAXIMUM FLOOR LOAD FOR A MAGAZINE AS PRESCRIBED WILL NOT BE EXCEEDED.
- J. IF AVAILABLE MHE PERMITS, ADDITIONAL PALLET UNITS MAY BE STORED WITHIN THE MHE AREA AND/OR OTHER AVAILABLE AREA OF THE MAGAZINE.
- K. THE HEIGHT OF THE PACKAGE GUARD ON SOME FORKLIFT TRUCKS MAY NOT PERMIT PLACEMENT OF SOME TOP LAYER PALLET 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.

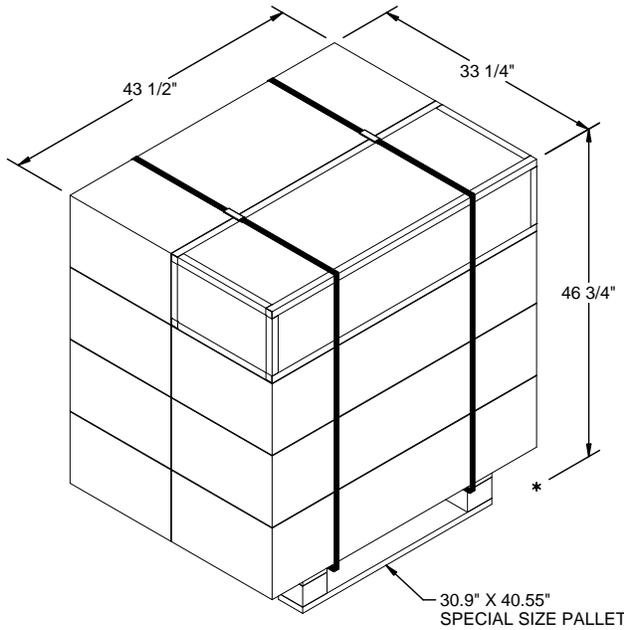
(CONTINUED AT RIGHT)

(GENERAL NOTES CONTINUED)

- L. THE STORAGE LAYOUTS DEPICTED ON PAGES 12 THROUGH 18 SHOW BOTH PALLET UNIT "A" AND PALLET UNIT "B" COMBINED IN ONE MAGAZINE, FOR ILLUSTRATION PURPOSES. A PARTICULAR MAGAZINE CAN BE LOADED WITH EITHER ALL ONE TYPE OF PALLET UNIT OR A COMBINATION OF MIXED UNITS, AS NECESSARY. THE PALLET UNIT "A" AND "B" LAYOUTS ARE DIFFERENTIATED BY A CENTER LINE IN THE MAGAZINE PLAN VIEW. IF A MAGAZINE IS TO BE LOADED WITH ONLY ONE TYPE OF PALLET UNIT, MIRROR THE CONFIGURATION ON ONE SIDE OF THE CENTERLINE ONTO THE OPPOSITE SIDE OF THE MAGAZINE. THE CORBETTA MAGAZINE IS AN EXCEPTION TO THIS, AND IS SPLIT INTO QUADRANTS. THE CORBETTA CONFIGURATIONS ARE SPLIT INTO TWO CORBETTA SIZES BY A VERTICAL CENTERLINE AND INTO TWO PALLET CONFIGURATIONS BY A HORIZONTAL CENTERLINE.
- M. THE STORAGE LAYOUTS CAN ALSO BE ADAPTED FOR STORAGE OF MORE THAN ONE LOT, WITH ONE OR MORE ROWS USED FOR EACH LOT. STORAGE OF MULTIPLE LOTS IN A MAGAZINE WILL REQUIRE CAREFUL PRE-PLANNING SO AS TO INSURE MHE ACCESSIBILITY TO ANY LOT.
- N. 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 PATTERN TO FACILITATE INVENTORY, INSPECTION, THE USE OF MHE, SURVEILLANCE, ETC., OF THE AMMUNITION TO BE STORED WITHIN THE MAGAZINE.
- O. ANY "LIGHT" PALLET UNIT THAT DOES NOT CONTAIN A FULL QUANTITY OF BOXES WILL NOT BE BURIED IN STORAGE, IT MUST BE POSITIONED ADJECENT TO AN AISLE, PREFERABLY IN FRONT OF THE LOT.
- P. PORTIONS OF THE MAGAZINES, SUCH AS SIDEWALLS, END WALLS, AND ROOFS HAVE NOT BEEN SHOWN IN THE STORAGE VIEWS FOR CLARITY PURPOSES.
- Q. A PRODUCTION OR STORAGE FACILITY IS AUTHORIZED TO HAVE ONE INCOMPLETE, UN-BANDED PARTIAL UNIT LOAD PER LOT IN A STORAGE STRUCTURE. THE PALLET UNIT MUST BE RE-BANDED WITH THE SAME SIZE AND QUANTITY OF STRAPS AS THE ORIGINAL UNIT.
- R. IN IGLOO, ARCH TYPE, AND STRADLEY MAGAZINES WHICH HAVE SLOPING FLOORS, THE DEPICTED STORAGE PATTERNS, IN SOME CASES, INCLUDE PALLET UNIT STACKS WHICH STRADDLE THE RIDGE OF THE FLOOR AT THE CENTER OF THE MAGAZINE. FLOOR DUNNAGE IN THE FORM OF SHIMS WILL BE USED AS REQUIRED TO ACHIEVE SOUND AND ACCEPTABLE STABLE STACKS. SEE THE DETAIL ON PAGE 19.
- S. 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 0.454 KG.
- T. OTHER COMPATIBLE ITEMS MAY BE STORED IN A MAGAZINE, WHICH IS PARTIALLY FILLED WITH THE DESIGNATED ITEM.
- U. PALLET UNITS PRESENTLY STORED IN ACCORDANCE WITH A PREVIOUSLY APPROVED STORAGE DRAWING NEED NOT BE RESORTED SOLELY TO COMPLY WITH THE PROCEDURES SPECIFIED IN THIS DRAWING.

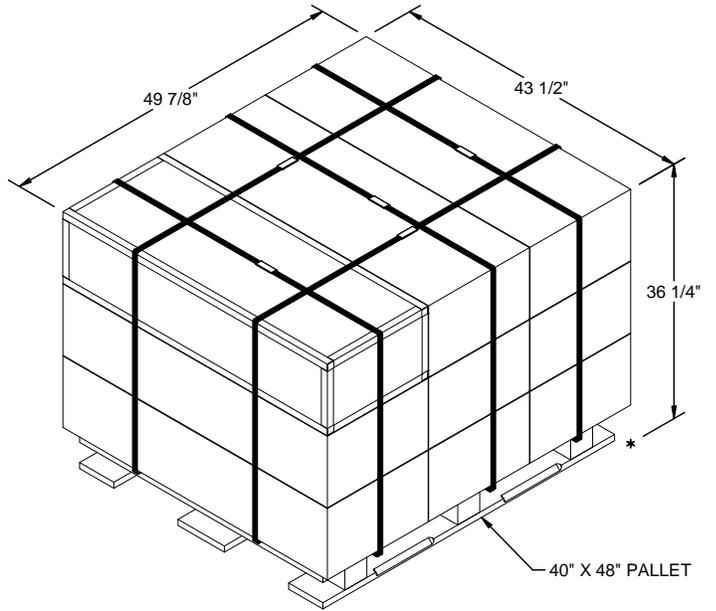
MATERIAL SPECIFICATION

LUMBER - - - - - : SEE TM 743-200-1 (DUNNAGE LUMBER) AND VOLUNTARY PRODUCT STANDARD PS 20.



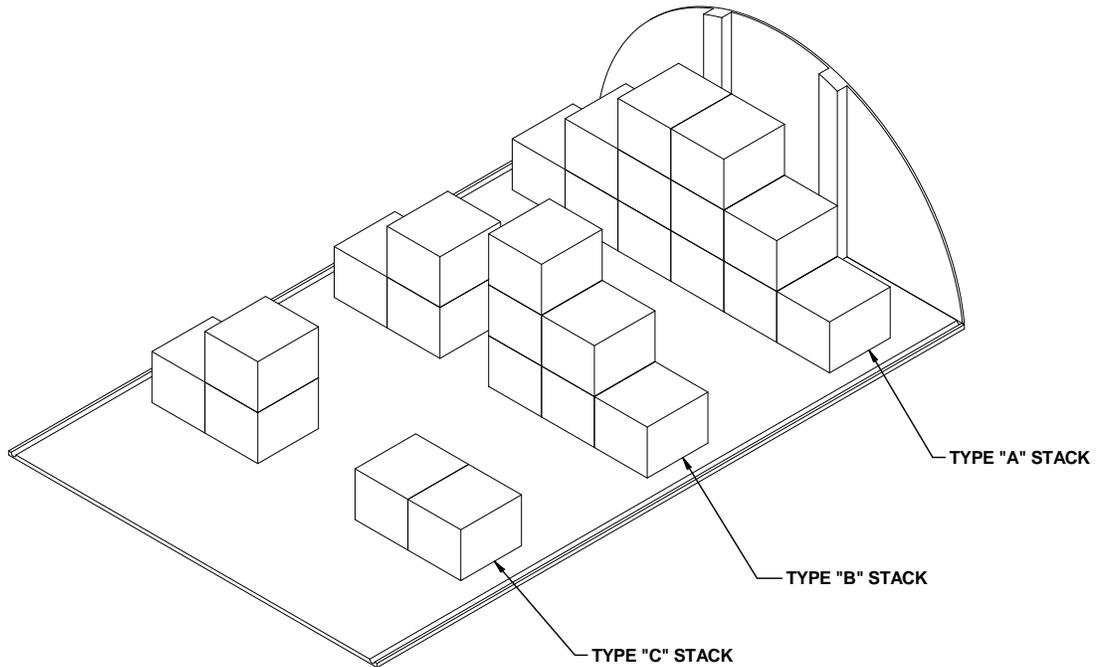
PALLET UNIT A

GROSS WEIGHT - - - - - 550 LBS (APPROX)
 CUBE - - - - - 39.1 CU FT. (APPROX)



PALLET UNIT B

GROSS WEIGHT - - - - - 680 LBS (APPROX)
 CUBE - - - - - 45.5 CU FT. (APPROX)

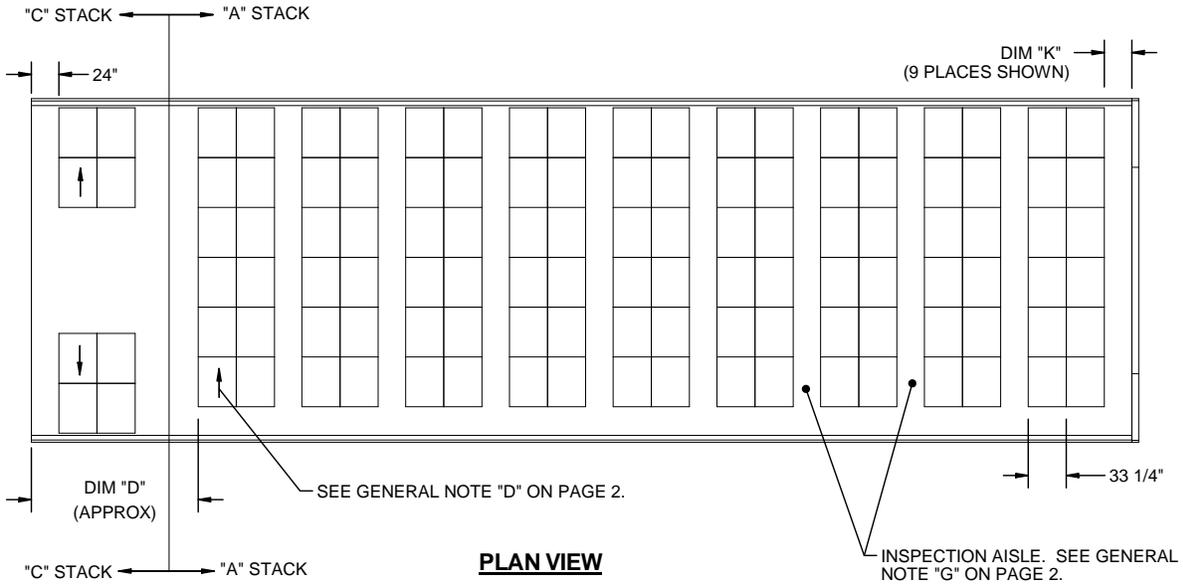


STACK IDENTIFICATION

A TYPE "A" STACK IS IDENTIFIED AS A GROUP OF ITEMS /UNITS WHICH EXTENDS FULL WIDTH AND HEIGHT OF THE MAGAZINE, AND IS ONE ITEM/UNIT LONG IN THE LENGTH OF THE MAGAZINE.

A TYPE "B" STACK IS IDENTIFIED AS A GROUP OF ITEMS/UNITS WHICH EXTEND FULL WIDTH AND HEIGHT OF THE MAGAZINE, AND IS ONE UNIT/ITEM LONG, BUT HAS AN AISLE AT OR NEAR THE CENTER OF THE WIDTH OF THE STACK.

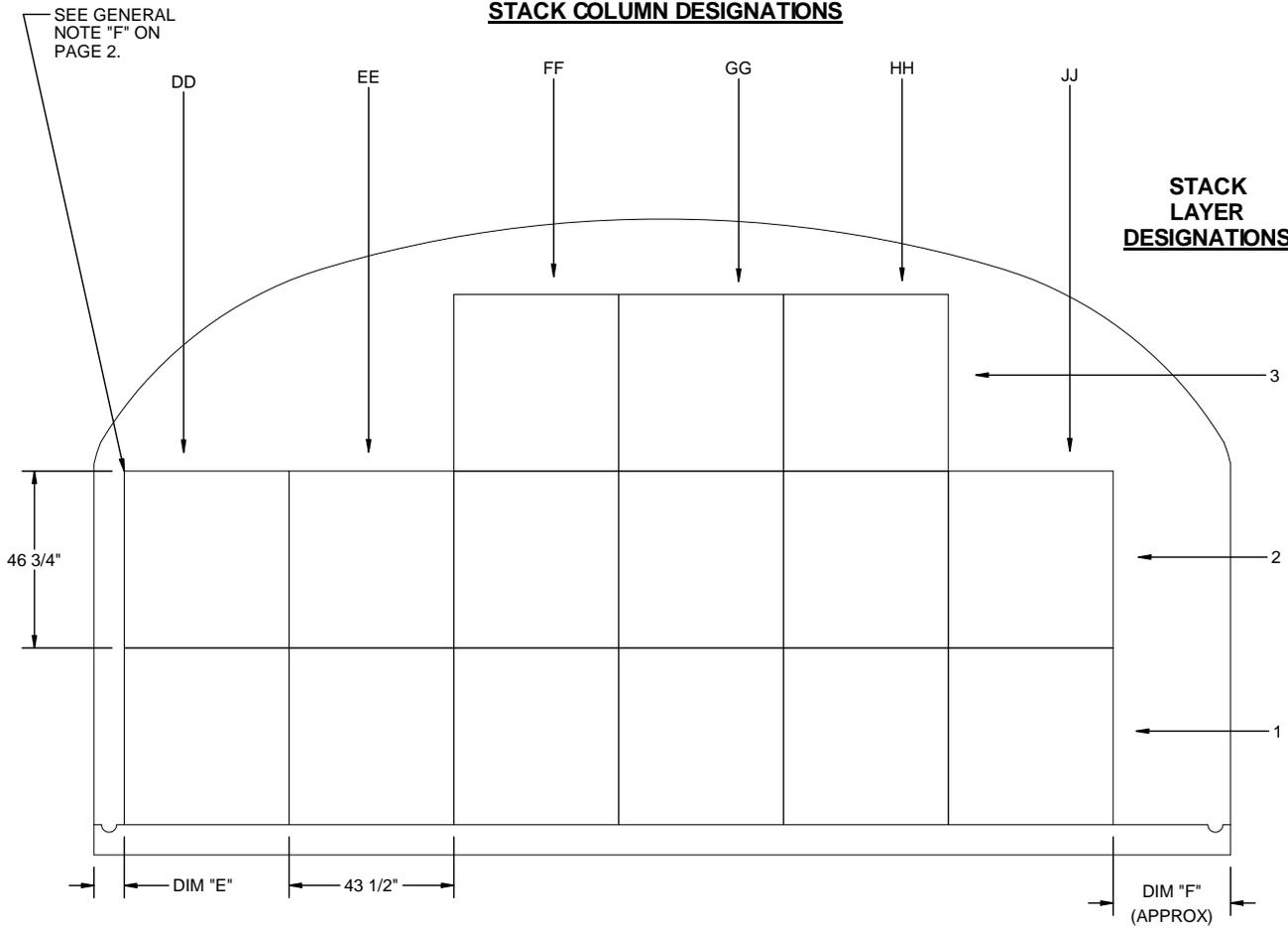
A TYPE "C" STACK IS IDENTIFIED AS A GROUP OF ITEMS/UNITS WHICH IS ONE UNIT/ITEM LONG AND CONSISTS OF PARTIAL STACKS ON EACH SIDE OF THE MAGAZINE, USUALLY ONE ITEM/UNIT HIGH ON ONE SIDE OF THE MAGAZINE.



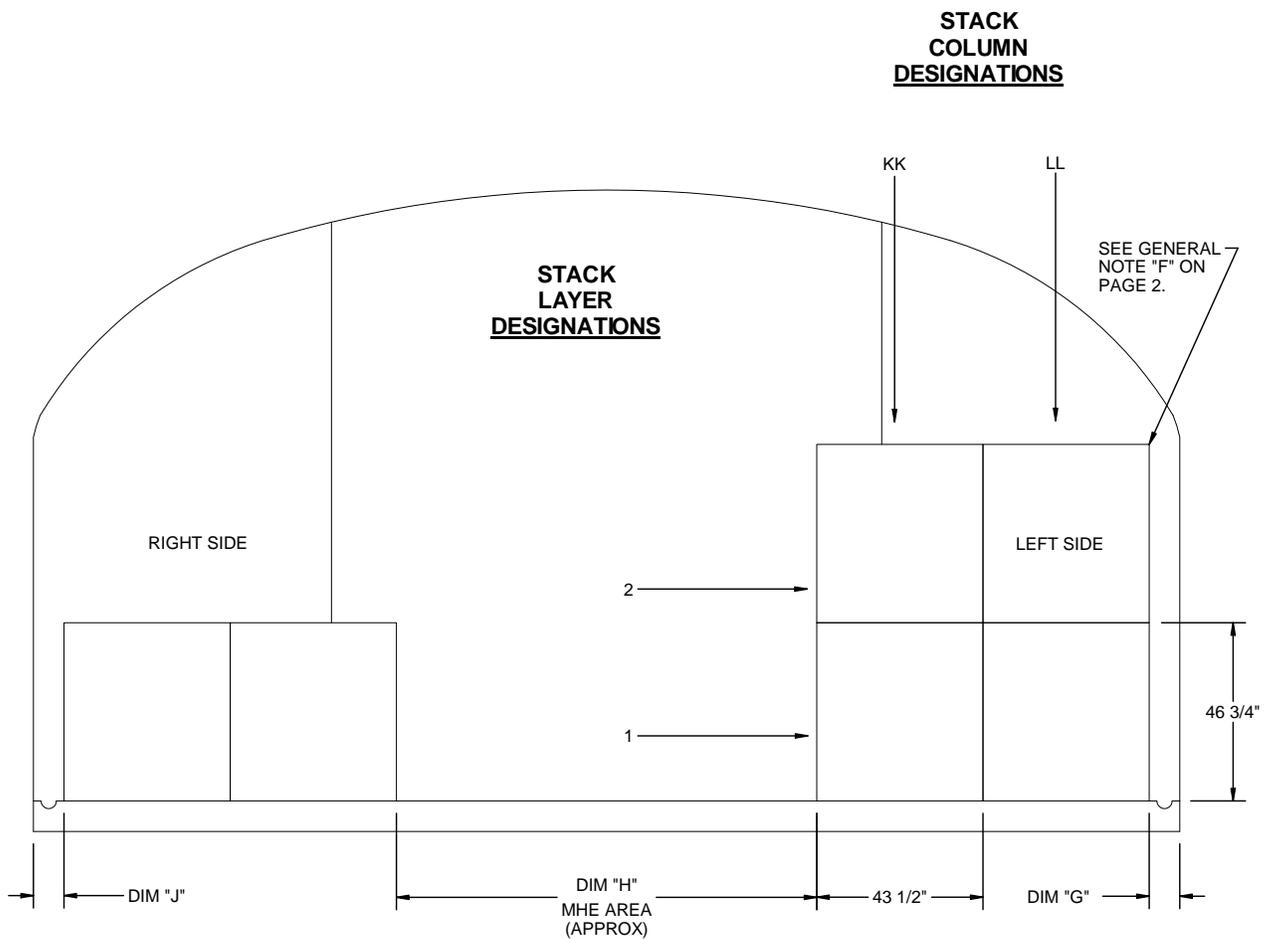
NOTE: FOR IDENTIFICATION OF LETTERED DIMENSIONS REFER TO CHART 1 ON PAGE 6.

STACK COLUMN DESIGNATIONS

STACK LAYER DESIGNATIONS



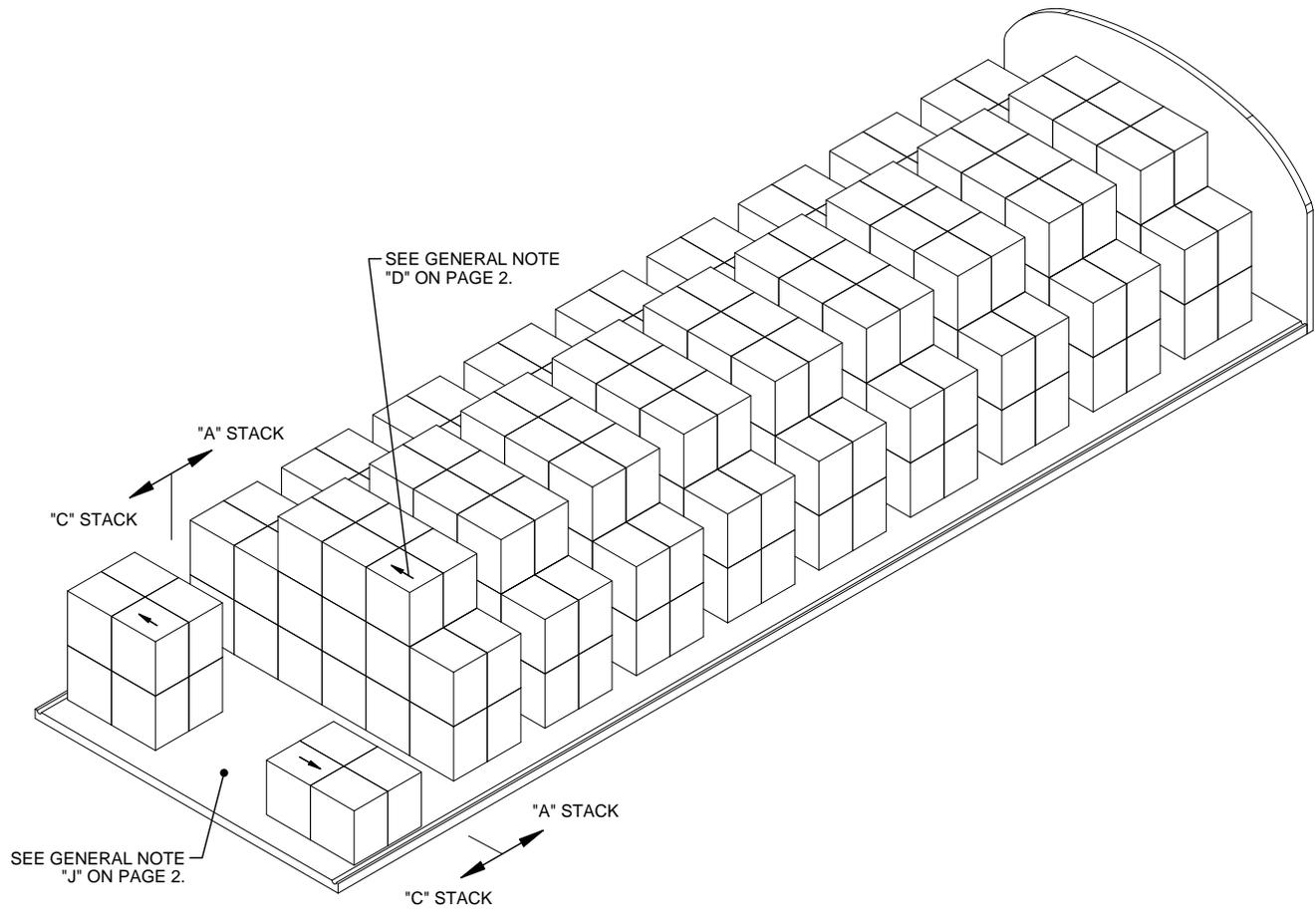
SEE "STACK IDENTIFICATION" ON PAGE 3 AND "CHART 2 - STACK CONFIGURATION" ON PAGE 7.



NOTE: FOR IDENTIFICATION OF LETTERED DIMENSIONS REFER TO CHART 1 ON PAGE 6.

"C" STACK

TYPICAL "C" STACK FOR STRADLEY MAGAZINE.
(SEE "STACK IDENTIFICATION " ON PAGE 3 AND "CHART 2 - STACK CONFIGURATION" ON PAGE 7)



ISOMETRIC VIEW

STRADLEY MAGAZINE
SHOWN AS TYPICAL.

CHART 1 - DIMENSIONS - PALLET UNIT "A"

MAGAZINE DIMENSIONS	MAGAZINE TYPE													
	IGLOO			ARCH 12'		ARCH 11'		ARCH 10'		OVAL ARCH	STRADLEY	STEEL ARCH		
	40'-4"	60'-8"	81'-0"	26'-6"	25'-0"	26'-6"	25'-0"	25'-0"	25'-0"	24'-10"	25'-0"	25'-0"	24'-11"	
LENGTH	40'-4"	60'-8"	81'-0"	81'-2"	40'-0"	80'-0"	40'-0"	80'-0"	40'-0"	80'-0"	89'-0"	80'-0"	59'-0"	89'-0"
WIDTH		26'-6"		26'-6"	25'-0"	25'-0"	25'-0"		25'-0"		24'-10"	25'-0"	25'-0"	24'-11"
HEIGHT		12'-9"			12'-1 3/4"		11'-0"		10'-0"		14'-5"	14'-0"	14'-0"	13'-6"
DIMENSIONS	PALLET UNIT SPACING DIMENSIONS													
DIM "D" (MHE AISLE APPROX)	12'-8"	12'-11"	13'-3"	12'-9"	12'-2"	11'-7"	12'-2"	11'-7"	12'-2"	11'-7"	11'-1"	12'-1"	13'-3"	11'-1"
DIM "E" ("A" STACK LEFT)	15"	15"	15"	21"	15"	15"	23"	23"	33"	33"	9"	8"	8"	9"
DIM "F" ("A" STACK RIGHT)	45"	45"	45"	39"	70'-1/2"	70'-1/2"	62'-1/2"	62'-1/2"	52'-1/2"	52'-1/2"	29"	31"	31"	30"
DIM "G" ("C" STACK LEFT)	15"	15"	15"	21"	15"	15"	23"	23"	33"	33"	9"	8"	8"	9"
DIM "H" (MHE AREA APPROX)	9'-9"	9'-9"	9'-9"	8'-9"	8'-3"	8'-3"	6'-11"	6'-11"	68"	68"	8'-11"	9'-2"	9'-2"	9'-0"
DIM "J" ("C" STACK RIGHT)	15"	15"	15"	21"	15"	15"	23"	23"	28"	28"	9"	8"	8"	9"
DIM "K" (INSPECTION AISLE)	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"

CHART 2 - STACK CONFIGURATION - PALLET UNIT "A"

MAGAZINE TYPE

QUANTITY PER MAGAZINE	IGLOO			ARCH 12'	ARCH 12' X 25' W		ARCH 11'		ARCH 10'		OVAL ARCH	STRADLEY	STEEL ARCH	
	40'-4" L	60'-8" L	81'-0" L	26'-6" W	40'-0" L	80'-0" L	40'-0" L	80'-0" L	40'-0" L	80'-0" L			59'-0" L	89'-0" L
	106	166	226	190	73	172	73	172	66	154	312	282	192	312

"A" STACK CONFIGURATION

LAYER	PALLET UNITS PER LAYER													
1	6(DD-JJ)			6(DD-JJ)	5(DD-HH)		5(DD-HH)		5(DD-HH)		6(DD-JJ)	6(DD-JJ)	6(DD-JJ)	
2	5(EE-JJ)			4(EE-HH)	4(EE-HH)		4(EE-HH)		3(EE-GG)		6(DD-JJ)	6(DD-JJ)	6(DD-JJ)	
3	1(GG)			--	--	--	--	--	--	--	3(FF-HH)	3(FF-HH)	3(FF-HH)	
4	--			--	--	--	--	--	--	--	--	--	--	
SINGLE STACK TOTAL	12			10	9		9		8		15	15	15	
NUMBER OF STACKS	8	13	18	18	7	18	7	18	7	18	20	18	12	20
"A" STACK TOTAL	96	156	216	180	63	162	63	162	56	144	300	270	180	300

"C" STACK CONFIGURATION - LEFT SIDE

LAYER	PALLET UNITS PER LAYER													
1	2(KK-LL)			2(KK-LL)	2(KK-LL)		2(KK-LL)		2(KK-LL)		2(KK-LL)	2(KK-LL)	2(KK-LL)	
2	1(LL)			1(LL)	1(LL)		1(LL)		1(LL)		2(KK-LL)	2(KK-LL)	2(KK-LL)	
3	--			--	--	--	--	--	--	--	--	--	--	
SINGLE STACK TOTAL	3			3	3		3		3		4	4	4	
NUMBER OF STACKS	2			2	2		2		2		2	2	2	
"C" STACK LF TOTAL	6			6	6		6		6		8	8	8	

"C" STACK CONFIGURATION - RIGHT SIDE

"C" STACK RT TOTAL	4			4	4		4		4		4	4	4	
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SPECIAL NOTES:

1. THE FOLLOWING NOTES, CHART 1 ON PAGE 6 AND CHART 2 ON THIS PAGE ARE PRESENTED AS GUIDANCE IN THE SELECTION OF A STORAGE PATTERN, AND IN DETERMINING THE QUANTITY OF PALLET UNITS WHICH CAN BE STORED IN THE STORAGE MAGAZINES LISTED IN THESE CHARTS.
2. CHART 1 ON PAGE 6 DESCRIBES THE STORAGE MAGAZINE GENERAL DIMENSIONS AND THE DIMENSIONS OF THE PALLET UNIT SPACING WITHIN THE STORAGE MAGAZINES.
3. DIMENSIONS "A", "B" AND "C" HAVE BEEN OMITTED TO AVOID CONFUSION WITH STACKS "A", "B" AND "C".
4. CHART 2 ON THIS PAGE DETAILS THE QUANTITY OF PALLET UNITS IN EACH TYPE OF MAGAZINE AND THE LAYOUT OF THE STACKS FOR EACH TYPE OF MAGAZINE. THE CHART SHOWS THE NUMBER OF UNITS IN EACH STACK LAYER AND THE LOCATION OF THE PALLET UNIT ON EACH LAYER.

(CONTINUED AT RIGHT)

EXAMPLE:

CHART 2 – "A" STACK CONFIGURATION
MAGAZINE: STRADLEY

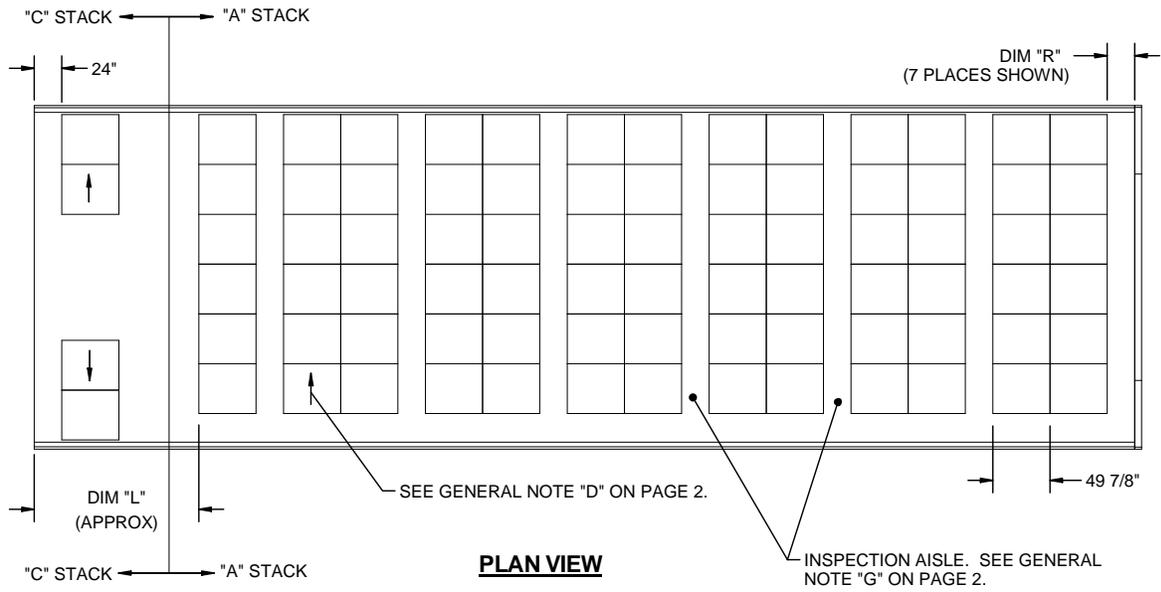
LAYER NUMBER 1: 6 (DD-JJ)
LAYER NUMBER 2: 6 (DD-JJ)
LAYER NUMBER 3: 3 (FF-HH)

EXPLANATION:

LAYER 1 (BOTTOM LAYER) HAS SIX PALLET UNITS FROM THE "DD" COLUMN (NEAREST THE LEFT SIDE OF THE MAGAZINE) TO THE "JJ" COLUMN.

LAYER 2 (ON TOP OF LAYER 1) HAS SIX PALLET UNITS FROM THE "DD" COLUMN (NEAREST THE LEFT SIDE OF THE MAGAZINE) TO THE "JJ" COLUMN.

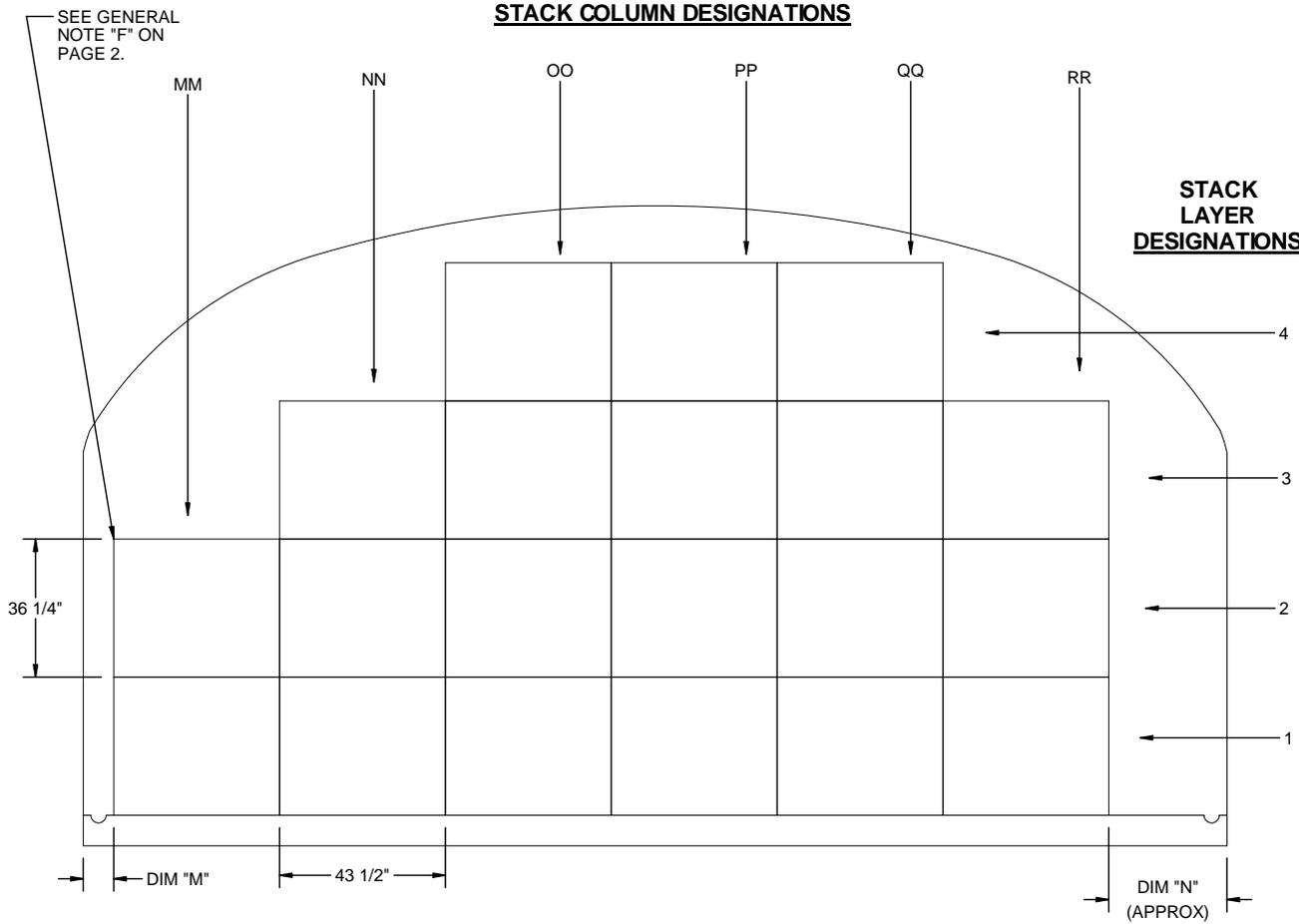
LAYER 3 (ON TOP OF LAYER 2) HAS THREE PALLET UNITS FROM THE "FF" COLUMN TO THE "HH" COLUMN.



NOTE: FOR IDENTIFICATION OF LETTERED DIMENSIONS REFER TO CHART 3 ON PAGE 10.

STACK COLUMN DESIGNATIONS

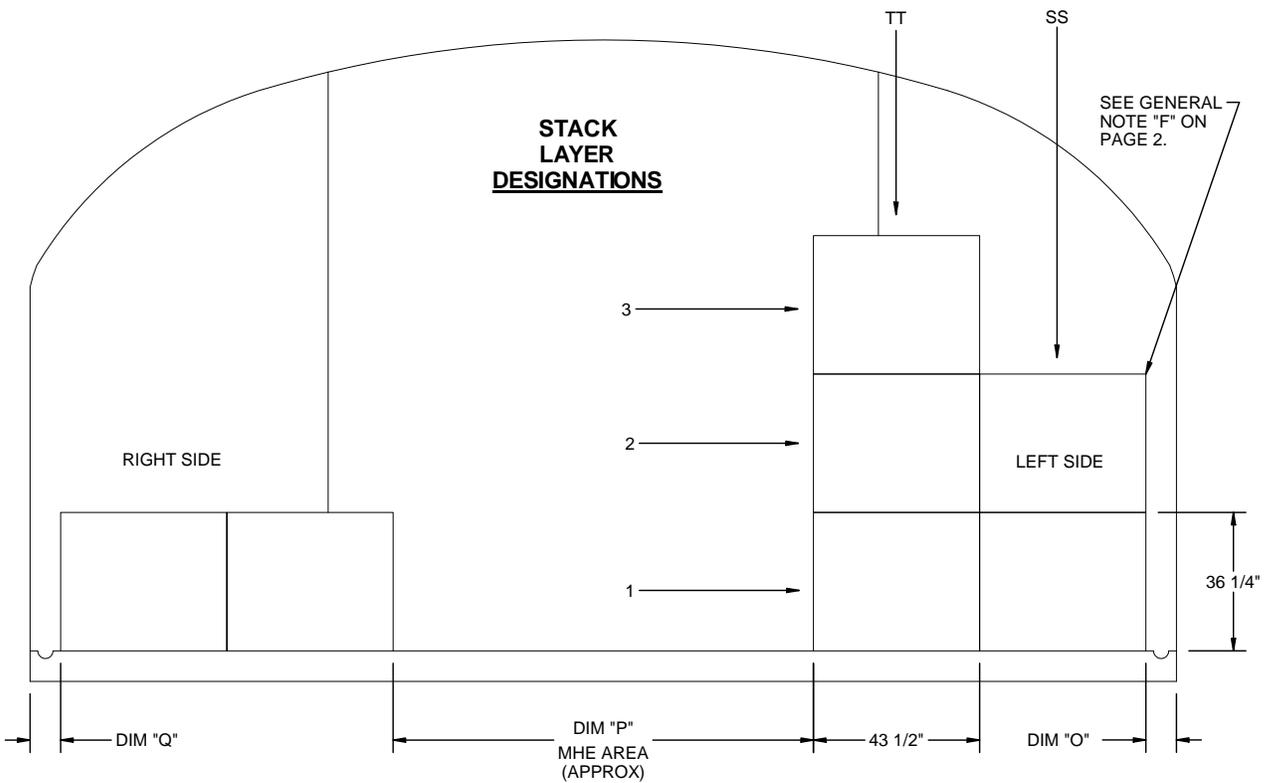
STACK LAYER DESIGNATIONS



"A" STACK

SEE "STACK IDENTIFICATION" ON PAGE 3 AND "CHART 4 - STACK CONFIGURATION" ON PAGE 11.

**STACK
COLUMN
DESIGNATIONS**

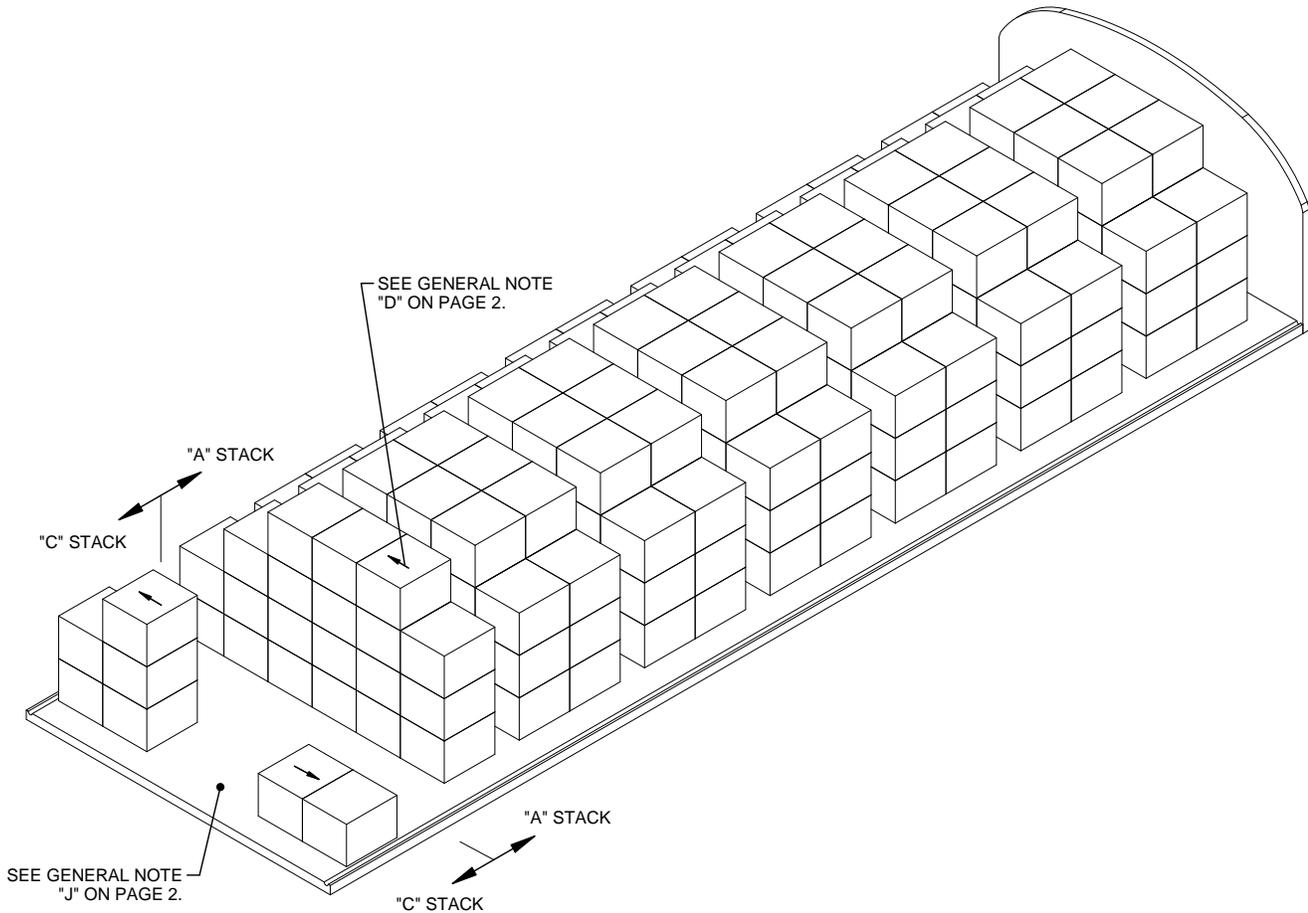


**STACK
LAYER
DESIGNATIONS**

NOTE: FOR IDENTIFICATION OF LETTERED DIMENSIONS REFER TO CHART 3 ON PAGE 10.

"C" STACK

TYPICAL "C" STACK FOR STRADLEY MAGAZINE.
(SEE "STACK IDENTIFICATION" ON PAGE 3 AND
"CHART 4 - STACK CONFIGURATION" ON PAGE 11)



ISOMETRIC VIEW

STRADLEY MAGAZINE
SHOWN AS TYPICAL.

CHART 3 - DIMENSIONS - PALLET UNIT "B"

MAGAZINE DIMENSIONS	MAGAZINE TYPE													
	IGLOO			ARCH 12'		ARCH 11'		ARCH 10'		OVAL ARCH	STRADLEY	STEEL ARCH		
				26'-6"	25'-0"									
LENGTH	40'-4"	60'-8"	81'-0"	81'-2"	40'-0"	80'-0"	40'-0"	80'-0"	40'-0"	80'-0"	89'-0"	80'-0"	59'-0"	89'-0"
WIDTH		26'-6"		26'-6"	25'-0"	25'-0"	25'-0"	25'-0"	25'-0"	24'-10"	25'-0"	25'-0"	25'-0"	24'-11"
HEIGHT		12'-9"			12'-1-3/4"		11'-0"		10'-0"	14'-5"	14'-0"	14'-0"	14'-0"	13'-6"
DIMENSIONS	PALLET UNIT SPACING DIMENSIONS													
DIM "L" (M HE AISLE APPROX)	13'-8"	13'-4"	13'-1"	12'-7"	13'-3"	11'-5"	12'-9"	11'-5"	12'-9"	11'-5"	12'-8"	11'-11"	12'-5"	12'-8"
DIM "M" ("A" STACK LEFT)	14"	14"	14"	16"	11"	11"	18"	18"	22"	22"	8"	8"	8"	8"
DIM "N" ("A" STACK RIGHT)	46"	46"	46"	44"	31"	31"	67-1/2"	67-1/2"	63-1/2"	63-1/2"	29"	31"	31"	30"
DIM "O" ("C" STACK LEFT)	14"	14"	14"	16"	11"	11"	18"	18"	22"	22"	8"	8"	8"	8"
DIM "P" (M HE AREA APPROX)	10'-2"	10'-2"	10'-2"	9'-7"	8'-11"	8'-11"	7'-9"	7'-9"	7'-1"	7'-1"	9'-0"	9'-2"	9'-2"	9'-1"
DIM "Q" ("C" STACK RIGHT)	11"	11"	11"	16"	11"	11"	18"	18"	22"	22"	8"	8"	8"	8"
DIM "R" (INSPECTION AISLE)	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"	24"

CHART 4 - STACK CONFIGURATION - PALLET UNIT "B"

MAGAZINE TYPE

QUANTITY PER MAGAZINE	IGLOO			ARCH 12'	ARCH 12' X 25' W		ARCH 11'		ARCH 10'		OVAL ARCH	STRADLEY	STEEL ARCH	
	40'-4" L	60'-8" L	81'-0" L	26'-6" W	40'-0" L	80'-0" L	40'-0" L	80'-0" L	40'-0" L	80'-0" L			59'-0" L	89'-0" L
	87	147	207	192	80	187	65	148	55	122	294	267	194	294

"A" STACK CONFIGURATION

LAYER	PALLET UNITS PER LAYER													
1	6(MM-RR)			6(MM-RR)	6(MM-RR)		5(MM-QQ)		5(MM-QQ)		6(MM-RR)	6(MM-RR)	6(MM-RR)	
2	5(NN-RR)			5(NN-RR)	5(NN-RR)		4(NN-QQ)		4(NN-QQ)		6(MM-RR)	6(MM-RR)	6(MM-RR)	
3	4(NN-QQ)			3(OO-QQ)	3(OO-QQ)		2(OO-PP)		--		5(NN-RR)	5(NN-RR)	5(NN-RR)	
4	--			--	--		--		--		3(OO-QQ)	3(OO-QQ)	3(OO-QQ)	
SINGLE STACK TOTAL	15			14	14		11		9		20	20	20	
NUMBER OF STACKS	5	9	13	13	5	13	5	13	5	13	14	13	9	14
"A" STACK TOTAL	75	135	195	182	70	182	55	143	45	117	280	260	180	280

"C" STACK CONFIGURATION - LEFT SIDE

LAYER	PALLET UNITS PER LAYER													
1	2(SS-TT)			2(SS-TT)	2(SS-TT)		2(SS-TT)		2(SS-TT)		2(SS-TT)	2(SS-TT)	2(SS-TT)	
2	1(TT)			1(TT)	1(TT)		1(TT)		1(TT)		2(SS-TT)	2(SS-TT)	2(SS-TT)	
3	1(TT)			--	--		--		--		1(TT)	1(TT)	1(TT)	
SINGLE STACK TOTAL	4			3	3		3		3		5	5	5	
NUMBER OF STACKS	2			2	2	1	2	1	2	1	2	1	2	
"C" STACK LF TOTAL	8			6	6	3	6	3	6	3	10	5	10	

"C" STACK CONFIGURATION - RIGHT SIDE

"C" STACK RT TOTAL	4			4	4	2	4	2	4	2	4	2	4	
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SPECIAL NOTES:

- THE FOLLOWING NOTES, CHART 3 ON PAGE 10 AND CHART 4 ON THIS PAGE ARE PRESENTED AS GUIDANCE IN THE SELECTION OF A STORAGE PATTERN, AND IN DETERMINING THE QUANTITY OF PALLET UNITS WHICH CAN BE STORED IN THE STORAGE MAGAZINES LISTED IN THESE CHARTS.
- CHART 3 ON PAGE 10 DESCRIBES THE STORAGE MAGAZINE GENERAL DIMENSIONS AND THE DIMENSIONS OF THE PALLET UNIT SPACING WITHIN THE STORAGE MAGAZINES.
- DIMENSIONS "A", "B" AND "C" HAVE BEEN OMITTED TO AVOID CONFUSION WITH STACKS "A", "B" AND "C".
- CHART 4 ON THIS PAGE DETAILS THE QUANTITY OF PALLET UNITS IN EACH TYPE OF MAGAZINE AND THE LAYOUT OF THE STACKS FOR EACH TYPE OF MAGAZINE. THE CHART SHOWS THE NUMBER OF UNITS IN EACH STACK LAYER AND THE LOCATION OF THE PALLET UNIT ON EACH LAYER.

(CONTINUED AT RIGHT)

EXAMPLE:

CHART 4 - "A" STACK CONFIGURATION
MAGAZINE: STRADLEY

LAYER NUMBER 1: 6 (MM-RR)
LAYER NUMBER 2: 6 (MM-RR)
LAYER NUMBER 3: 5 (NN-RR)
LAYER NUMBER 4: 3 (OO-QQ)

EXPLANATION:

LAYER 1 (BOTTOM LAYER) HAS SIX PALLET UNITS FROM THE "MM" COLUMN (NEAREST THE LEFT SIDE OF THE MAGAZINE) TO THE "RR" COLUMN.

LAYER 2 (ON TOP OF LAYER 1) HAS SIX PALLET UNITS FROM THE "MM" COLUMN (NEAREST THE LEFT SIDE OF THE MAGAZINE) TO THE "RR" COLUMN.

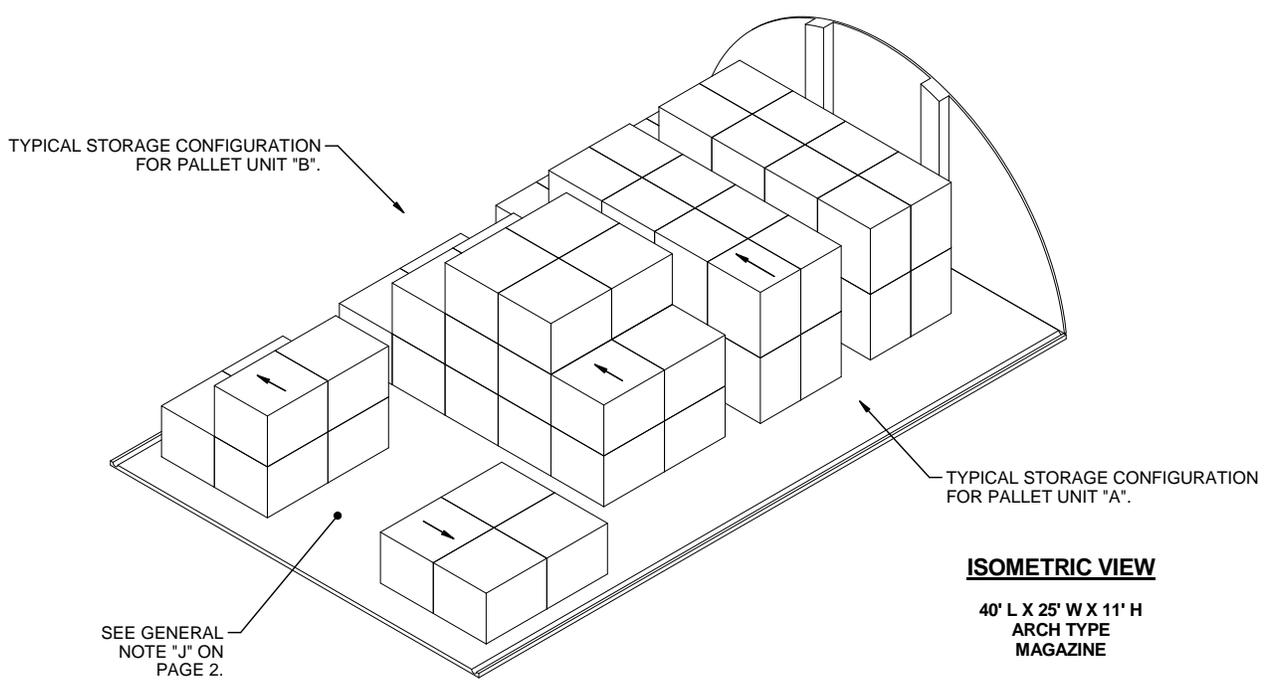
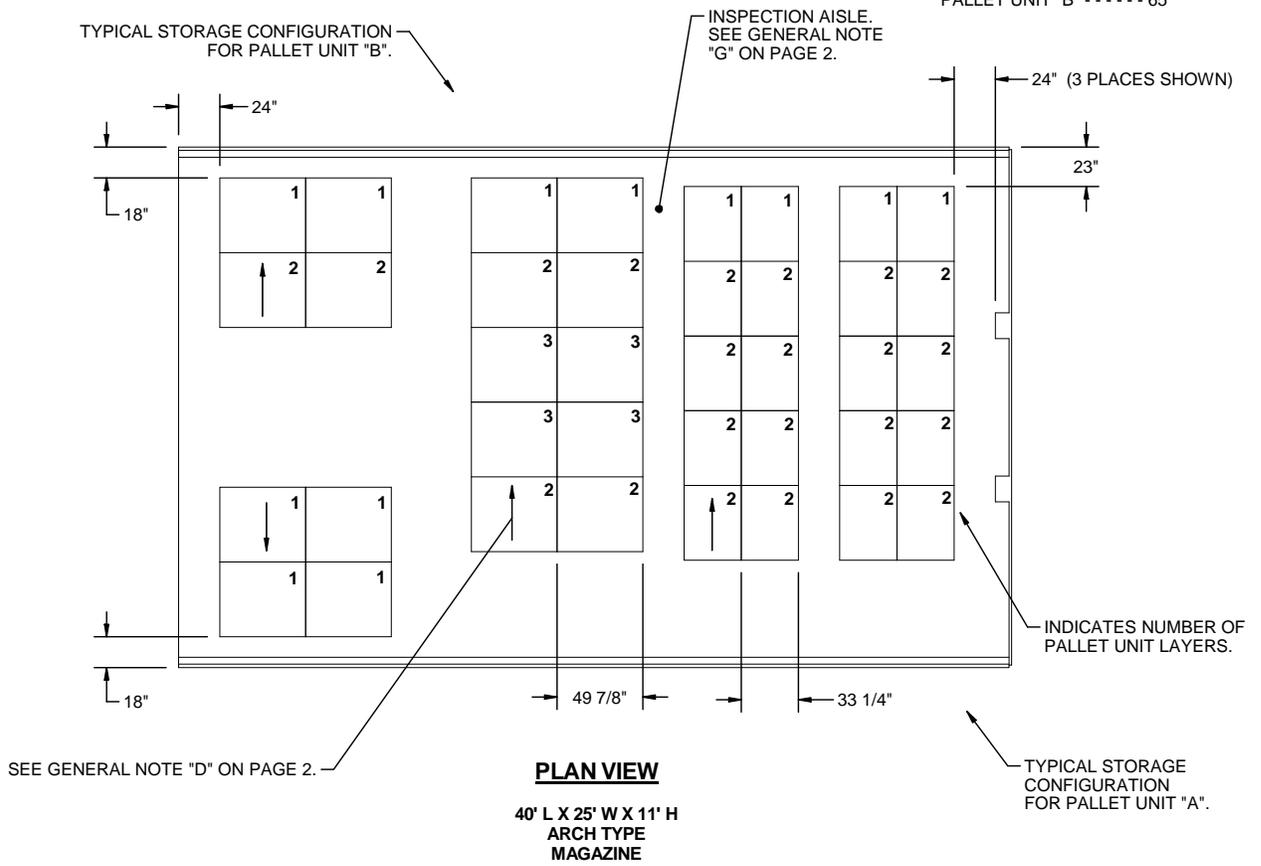
LAYER 3 (ON TOP OF LAYER 2) HAS FIVE PALLET UNITS FROM THE "NN" COLUMN TO THE "RR" COLUMN.

LAYER 4 (ON TOP OF LAYER 3) HAS THREE PALLET UNITS FROM THE "OO" COLUMN TO THE "QQ" COLUMN.

**STORAGE IN 40' ARCHTYPE
MAGAZINE**

NOTE: THE STORAGE LAYOUT DEPICTED BELOW SHOWS MIXED TYPES OF PALLET UNITS FOR ILLUSTRATION PURPOSES. SEE GENERAL NOTE "L" ON PAGE 2. THE STORAGE QUANTITIES SHOWN AT RIGHT ARE BASED ON HOMOGENEOUS MAGAZINE LOADS, NOT MIXED PALLET UNITS.

ITEM	QUANTITY
PALLET UNIT "A" -----	73
PALLET UNIT "B" -----	65



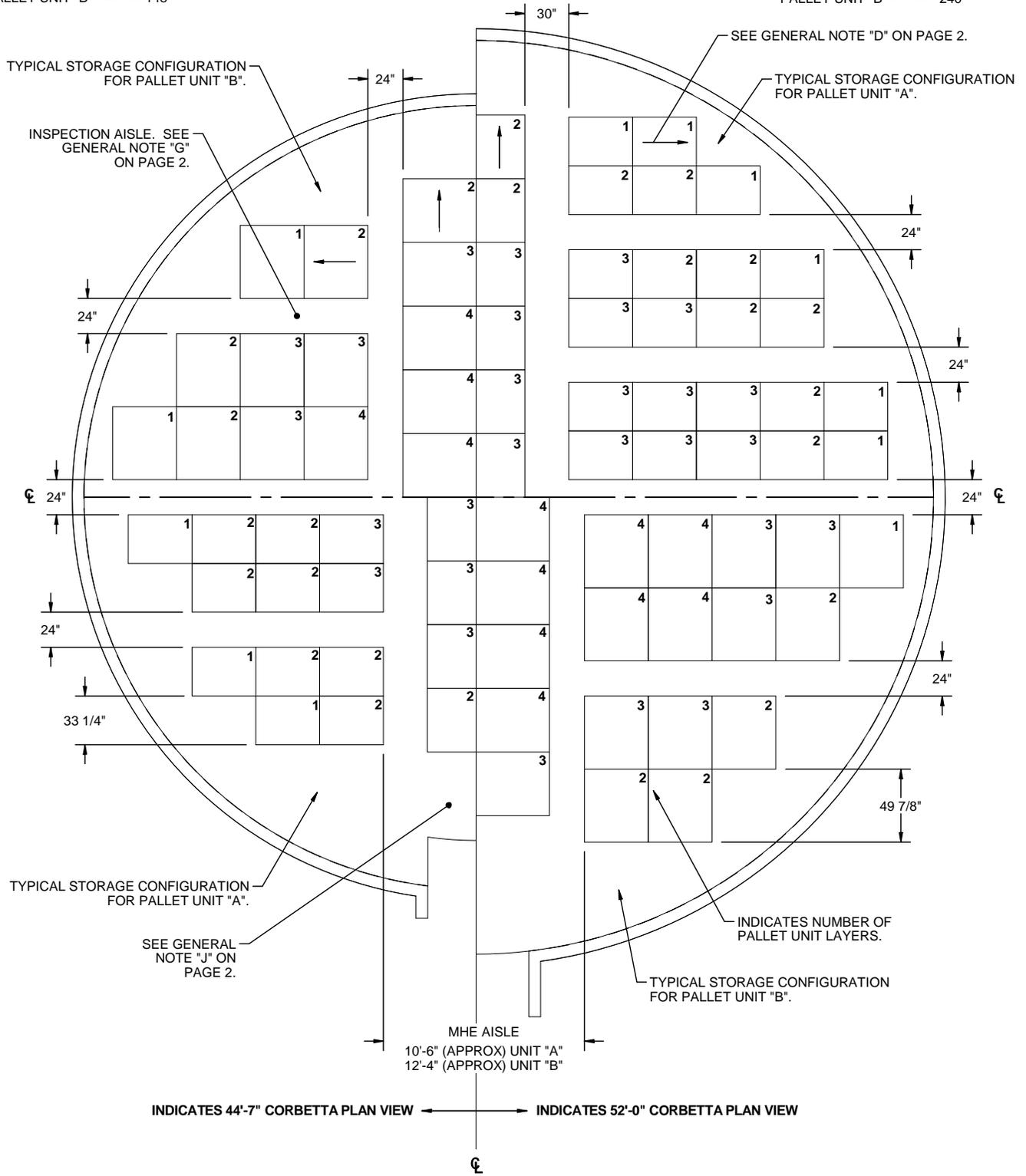
STORAGE IN 44'-7" MAGAZINE

ITEM	QUANTITY
PALLET UNIT "A" -----	140
PALLET UNIT "B" -----	148

NOTE: THE STORAGE LAYOUT DEPICTED BELOW SHOWS MIXED TYPES OF PALLET UNITS FOR ILLUSTRATION PURPOSES. SEE GENERAL NOTE "L" ON PAGE 2. THE STORAGE QUANTITIES SHOWN AT LEFT AND RIGHT ARE BASED ON HOMOGENEOUS MAGAZINE LOADS, NOT MIXED PALLET UNITS.

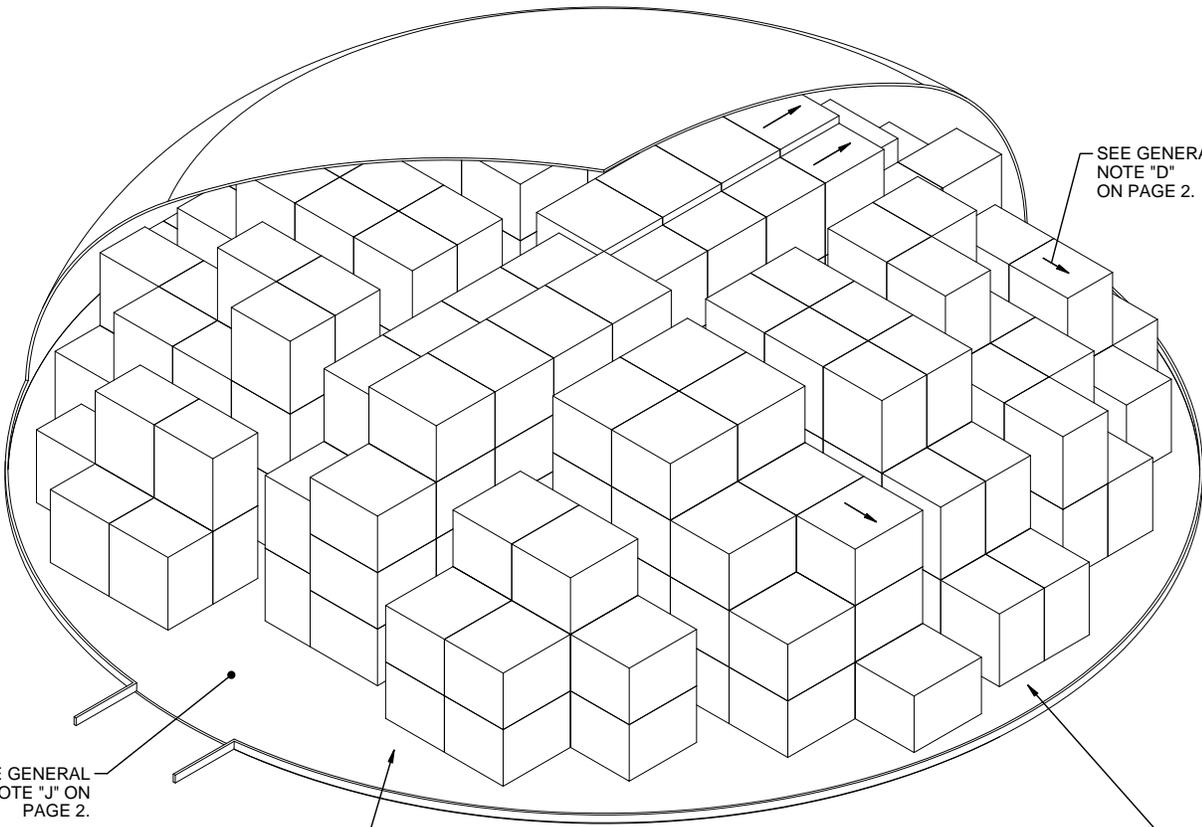
STORAGE IN 52'-0" MAGAZINE

ITEM	QUANTITY
PALLET UNIT "A" -----	256
PALLET UNIT "B" -----	240



PLAN VIEW

THE RIGHT HAND PLAN VIEW INDICATES A 52'-0" CORBETTA MAGAZINE, AND THE LEFT HAND PLAN VIEW INDICATES A 44'-7" CORBETTA MAGAZINE. BOTH SIZE MAGAZINE LAYOUTS ARE SYMMETRICAL AROUND THE VERTICAL CENTER LINE.



SEE GENERAL
NOTE "J" ON
PAGE 2.

SEE GENERAL
NOTE "D"
ON PAGE 2.

TYPICAL STORAGE CONFIGURATION
FOR PALLET UNIT "B".

TYPICAL STORAGE CONFIGURATION
FOR PALLET UNIT "A".

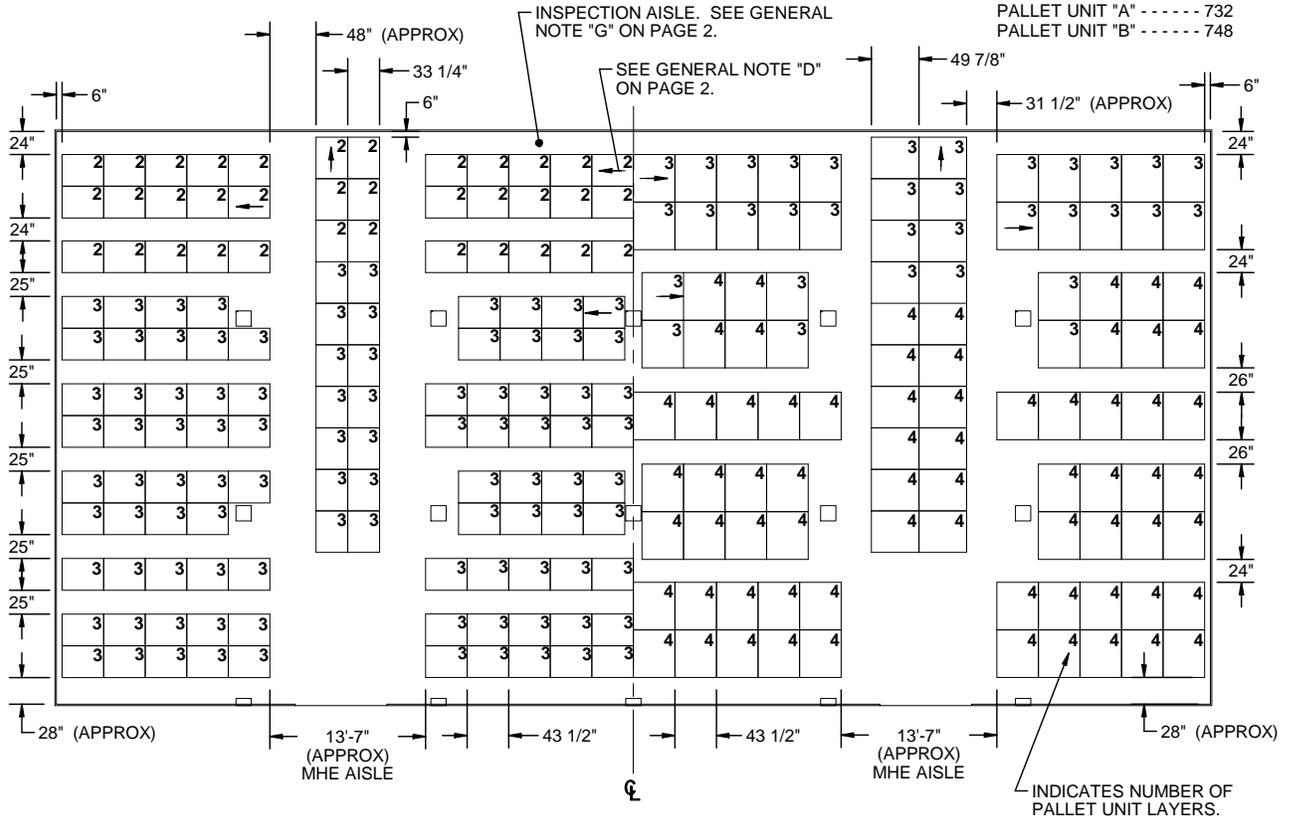
ISOMETRIC VIEW
(52' - 0" DIA MAGAZINE)

**STORAGE IN RECTANGULAR
MAGAZINE**

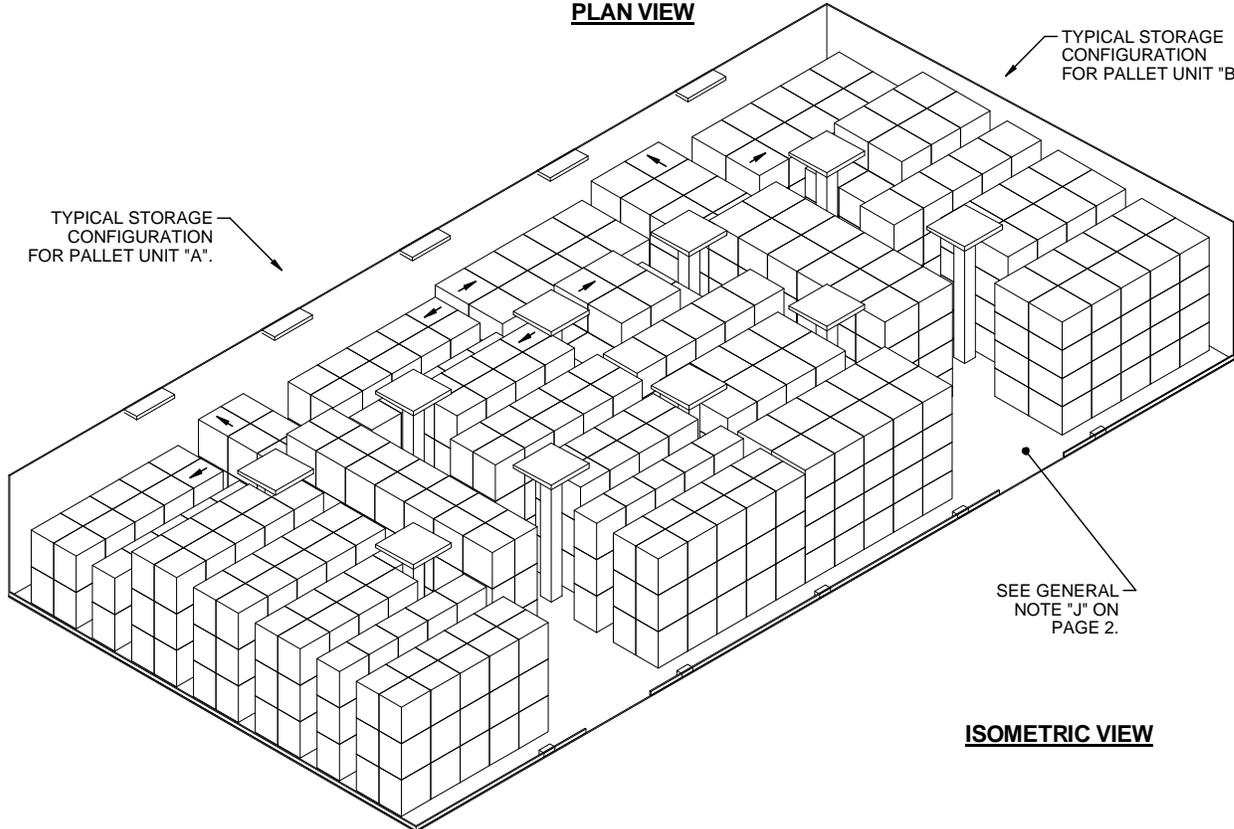
NOTE: THE STORAGE LAYOUT DEPICTED BELOW SHOWS MIXED TYPES OF PALLET UNITS FOR ILLUSTRATION PURPOSES. SEE GENERAL NOTE "L" ON PAGE 2. THE STORAGE QUANTITIES SHOWN AT RIGHT ARE BASED ON HOMOGENEOUS MAGAZINE LOADS, NOT MIXED PALLET UNITS.

ITEM QUANTITY

PALLET UNIT "A" ----- 732
PALLET UNIT "B" ----- 748



PLAN VIEW



ISOMETRIC VIEW

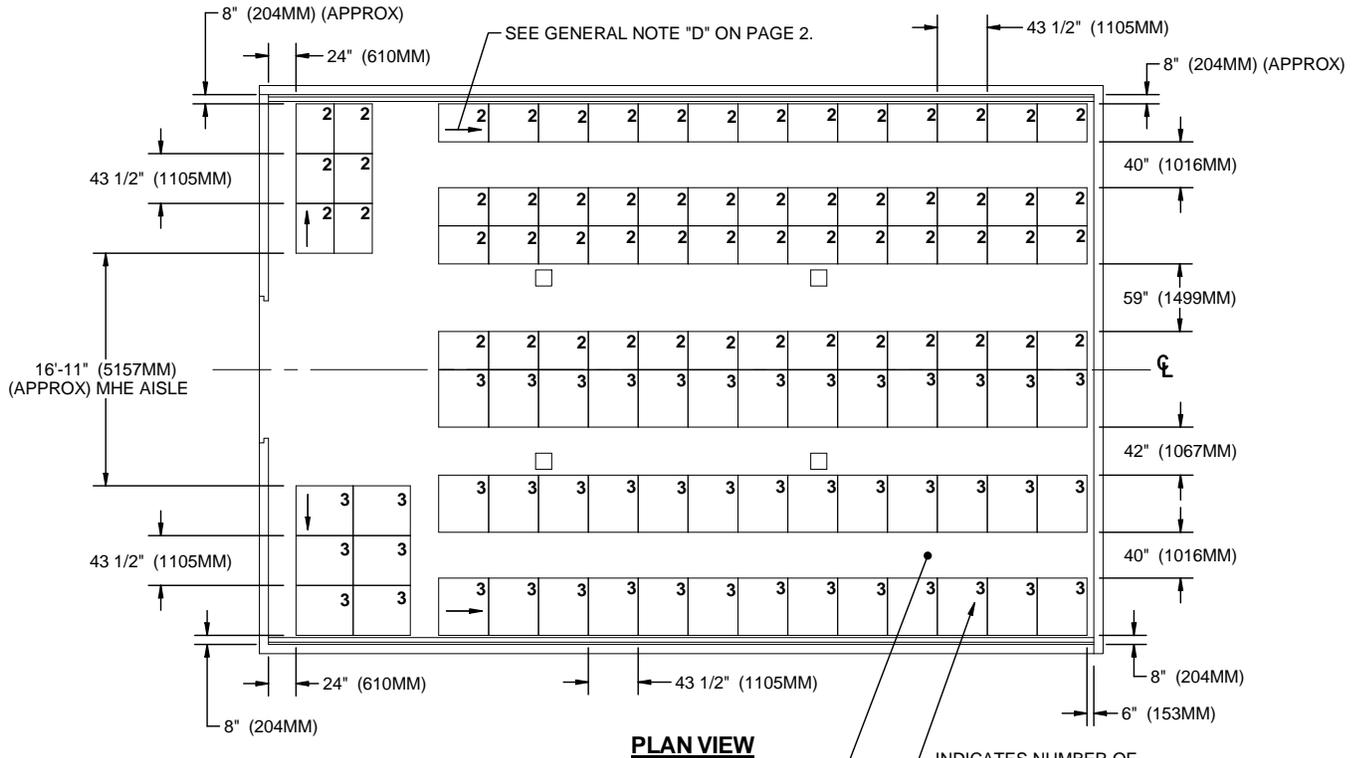
100'-8" L X 50'-0" W RECTANGULAR MAGAZINE

**STORAGE IN TYPE III BUNKER
MAGAZINE**

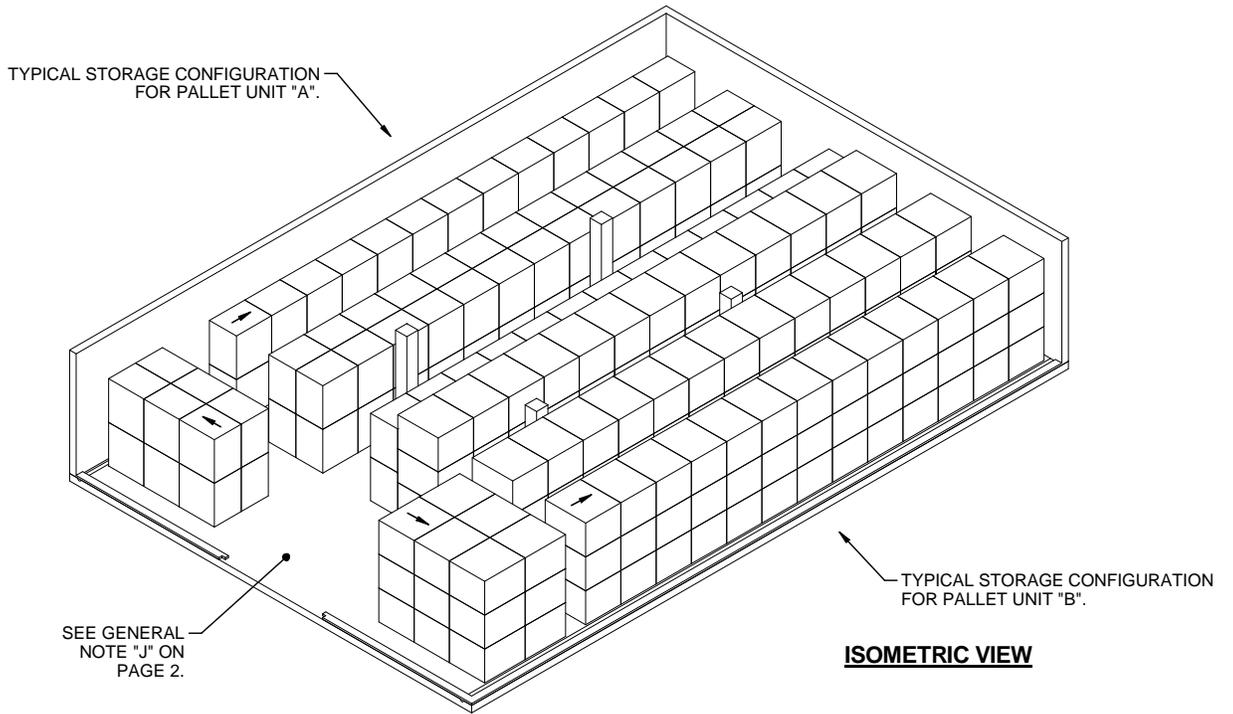
NOTE: THE STORAGE LAYOUT DEPICTED BELOW SHOWS MIXED TYPES OF PALLET UNITS FOR ILLUSTRATION PURPOSES. SEE GENERAL NOTE "L" ON PAGE 2. THE STORAGE QUANTITIES SHOWN AT RIGHT ARE BASED ON HOMOGENEOUS MAGAZINE LOADS, NOT MIXED PALLET UNITS.

ITEM QUANTITY

PALLET UNIT "A" ----- 232
PALLET UNIT "B" ----- 270



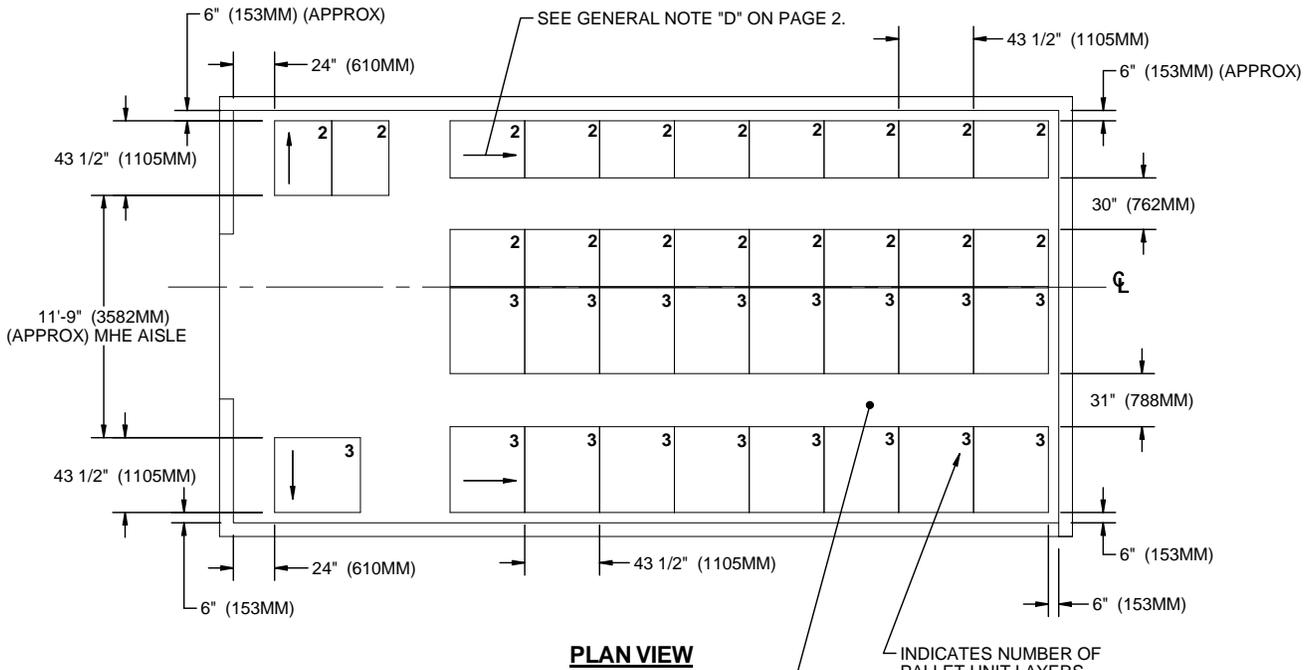
NOTE: EIGHT ROWS OF PALLET UNIT "A" OR SIX ROWS OF PALLET UNIT "B" CAN FIT ACROSS THE WIDTH OF THE MAGAZINE.



**STORAGE IN TYPE IV BUNKER
MAGAZINE**

NOTE: THE STORAGE LAYOUT DEPICTED BELOW SHOWS MIXED TYPES OF PALLET UNITS FOR ILLUSTRATION PURPOSES. SEE GENERAL NOTE "L" ON PAGE 2. THE STORAGE QUANTITIES SHOWN AT RIGHT ARE BASED ON HOMOGENEOUS MAGAZINE LOADS, NOT MIXED PALLET UNITS.

ITEM	QUANTITY
PALLET UNIT "A" -----	72
PALLET UNIT "B" -----	78

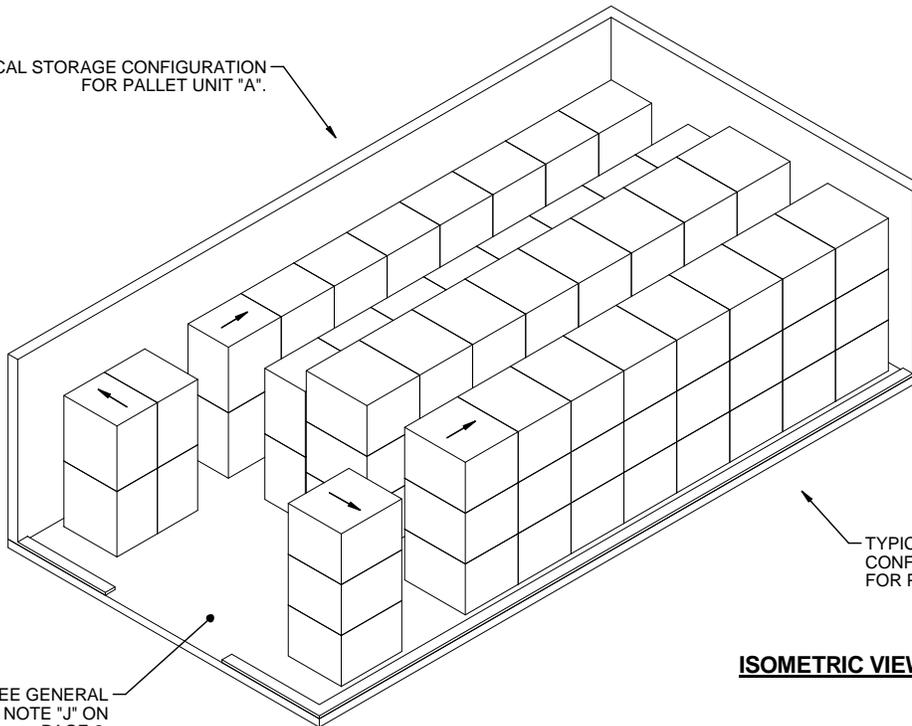


PLAN VIEW

NOTE: FOUR ROWS OF PALLET UNIT "A" OR THREE ROWS OF PALLET UNIT "B" CAN FIT ACROSS THE WIDTH OF THE MAGAZINE.

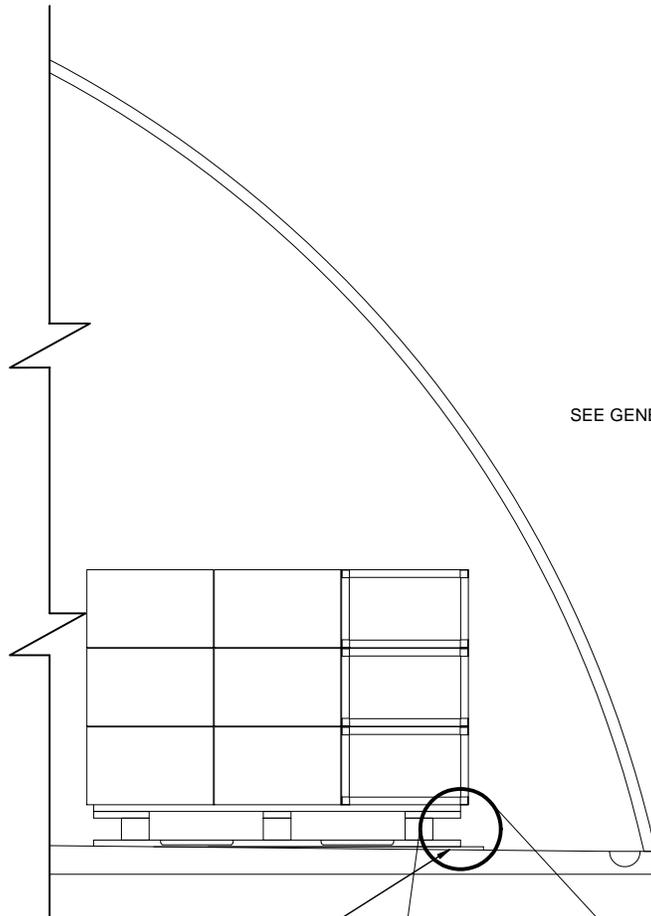
INDICATES NUMBER OF PALLET UNIT LAYERS.
INSPECTION AISLE. SEE GENERAL NOTE "G" ON PAGE 2.

TYPICAL STORAGE CONFIGURATION FOR PALLET UNIT "A".



TYPICAL STORAGE CONFIGURATION FOR PALLET UNIT "B".

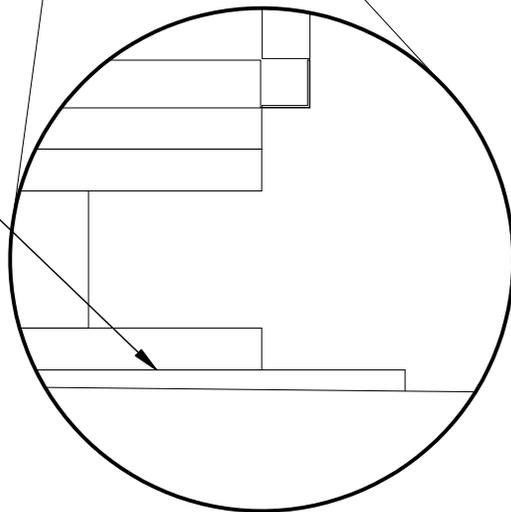
ISOMETRIC VIEW



SHIM DETAIL

SEE GENERAL NOTE "R" ON PAGE 2.

SHIM (AS REQD TO PROVIDE A LEVEL BEARING SURFACE FOR THE PALLET SKIDS). POSITION UNDER PALLET SKIDS. SEE GENERAL NOTE "R" ON PAGE 2.



SHIM LOCATION DETAIL

