HAWK

MINIMUM REQUIREMENTS FOR THE HANDLING, STOWAGE, AND BRACING ABOARD SHIPS OF COMPLETE ROUND IN XM430 OR XM611 CONTAINER

	REVISIONS					OLS.	JAN JAN	1/ller	
Γ.	MAR	,,	JUS/	Wester	Gille		100	ZZ, 18	a. Che
Ë	- A	-		Park	Smith	2	ايطسا	Gin	لسل
F			7			Pan	11.0	wetts	it. IS Aliue egyrên
						U. S.	ARMY N	IATERIEL (OMMAND
						OCTOBER 1972			
			$\overline{}$			CLASS	DIVISION	DRAWING	FILE
			7			19	48	5773	GM IBHAI

DO NOT SCALE

NOTES

GENERAL:

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AMCR 740-13.
- B. THIS DRAWING DEPICTS MINIMUM PROCEDURES APPLICABLE TO THE HANDLING, STOWAGE, AND BRACING ABOARD SHIPS OF COMPLETE ROUND IN THE XM430 OR XM611 CONTAINER FOR THE HAWK MISSILE SYSTEM.
- C. OTHER TYPES OF CARGO MAY BE STOWED IN THE SAME HOLD OR TWEEN DECK PROVIDING THE ITEMS STOWED ARE COMPATIBLE WITH THE ITEM SHOWN HEREIN. REFERENCE; COM-PATIBILITY CHART, AND CLASSIFICATION, HANDLING AND STOWAGE CHART, "RULES AND REGULATIONS FOR MILITARY EXPLOSIVES AND HAZARDOUS MUNITIONS", COAST GUARD REGULATION NO. CG 108.
- E. THIS COMPLETE ROUND IS A DOT CLASS "A" EXPLOSIVE.

HANDLING:

- A. PERTINENT PROVISIONS OF TITLE 46 CODE OF FEDERAL REGULATIONS APPLY,
- 8. HANDLING OF ONE (1) CONTAINER SHOULD BE ACCOMPLISHED BY USING THE LIFT POINTS DESIGNATED HEREIN.
- C. HANDLING OF TWO (2) CONTAINERS SHOULD BE ACCOMPLISHED BY USING THE LIFT POINTS OF THE LOWER CONTAINER, AS DESIGNATED HEREIN.
- D. HANDLING OF THREE (3.) CONTAINERS SHOULD BE ACCOMPLISHED BY USING SLING EXTENSIONS SECURELY POSITIONED UNDER THE OUTER ENDS OF THE SKIDS OF THE MIDDLE CONTAINER AND AGAINST THE STACKING PADS OF THE LOWER CONTAINER, AS DESIGNATED HEREIN.
- E. THE HANDLING SLING SHOULD BE EQUIPPED WITH SAFETY TYPE HOOKS AND SHALL BE OF A DESIGN AND CONFIGURATION TO LIFT THE ITEM IN SUCH A MANNER THAT THE CABLE LEGS DO NOT APPLY EXCESSIVE PRESSURE AGAINST THE BODY OF THE CONTAINER, WHICH MAY DAMAGE THE CONTAINER.
- F. ALTHOUGH DESIRABLE, A LEVEL LIFT IS NOT MANDATORY. THE CENTER OF BALANCE OF THIS ITEM IS SHOWN TO ASSIST IN DETERMINING CABLE LENGTHS TO ASSURE A SAFE LIFT,

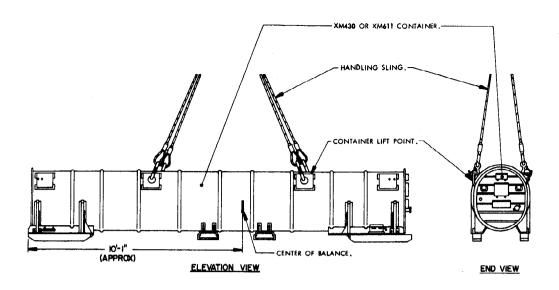
STOWAGE AND BRACING

- A. STOWAGE OF THIS ITEM IS RESTRICTED TO THREE (3) LAYERS HIGH. TIE BARS MUST BE UTILIZED BETWEEN LAYERS AS SHOWN. ALSO, OTHER CARGO ITEMS SHALL NOT BE STACKED OR STOWED ON TOP OF THE DEPICTED CONTAINERS.
- 8. WHEN STOWING THE XM430 CONTAINERS WITHIN THE HOLD, TWEEN DECK, OR ON THE WEATHER DECK, BRACING SHALL ONLY BE APPLIED AGAINST THE CONTAINER SKIDS AND/ OR CONTAINER STRONG POINTS.
- C. ADJACENT CONTAINERS MUST BE SEPARATED BY BRACING MEMBERS AND/OR ANTI-CHAFING ASSEMBLIES TO AVOID DAMAGE TO CONTAINERS BY DIRECT CONTACT WITH EACH OTHER, TO PREVENT DISPLACEMENT OF THE ANTI-CHAFING ASSEMBLY, 14 GAGE BLACK ANNEALED WIRE OR OTHER SUITABLE MATERIAL WILL BE PASSED THRU OPENING OF STACKING PAD AND AROUND ANTI-CHAFING ASSEMBLY
- D. THE TYPICAL TOMMING PROCEDURES SHOWN ON PAGE 10 ARE DELINEATED FOR GUIDANCE PURPOSES. AS A MINIMUM, IT OR A COMPARABLE TOMMING METHOD IS TO BE USED IN ADDITION TO THE LATERAL AND LONGITUDINAL BRACING METHODS DEPICTED HEREIN TO PROVIDE TOMMING FOR THE LOAD. THIS TOMMING PROCEDURE IS NOT REQUIRED WHEN STOWING ITEMS ON THE WEATHER DECK AS SHOWN ON PAGE 11.
- E. THE TYPICAL STOWAGE ON WEATHER DECK PROCEDURES SHOWN ON PAGE 11 IS ONLY FOR GUIDANCE PURPOSES. AS A MINIMUM, IT OR A COMPARABLE STOWAGE METHOD WILL BE USED. NOTE: WEATHER DECK STOWAGE WILL ONLY BE UTILIZED WHEN CONDITIONS WARRANT SUCH STOWAGE AND CONCURRENCE OF THE U. S. ARMY MISSILE COMMAND HAS BEEN ACQUIRED. ALSO, STOWAGE ON THE WEATHER DECK IS RESTRICTED TO A MAXIMUM OF 2-HIGH CONTAINER STACKS.
- F. SPECIES, GRADE AND SIZE OF LUMBER TO BE USED WILL COMPLY WITH REQUIREMENTS OF CURRENT SHIPWRIGHT-CARPENTEY AND RELATED SERVICES CONTRACTS. BRACING METHODS AND LUMBER SIZE DEPICTED IN THIS DRAWING ARE CONSIDERED MINIMUM AND ARE NOT INTENDED TO CONFLICT WITH CONTRACT REQUIREMENTS.

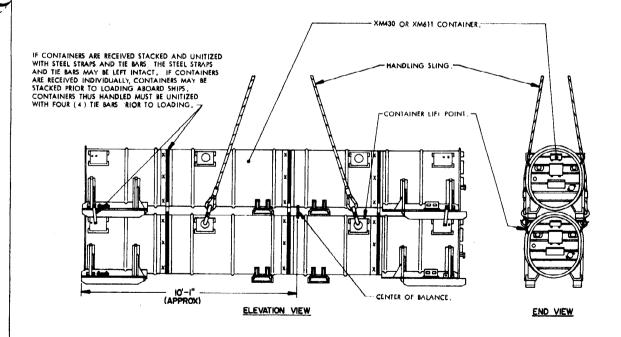
REVISIONS

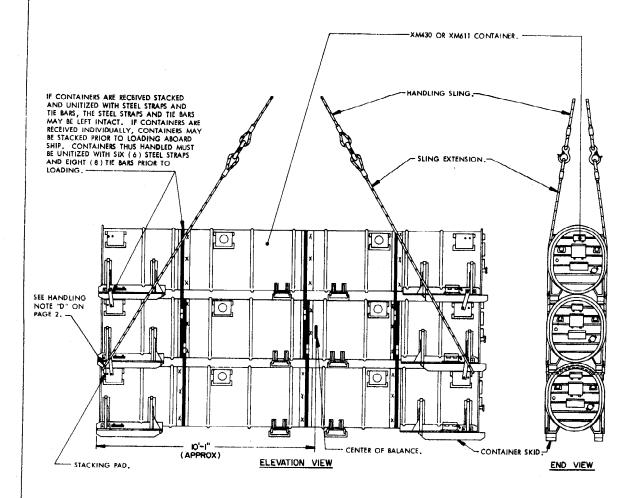
REVISION NO. 1 DATED MARCH 1973, CONSISTS OF:

- REPOSITION, INCREASE LENGTH AND SECURE THE ANTI-CHAFING ASSEMBLY.
- 2. ADDING PROCEDURES FOR TOMMING THE CARGO
- 3. ADDING "ROCEDURES FOR STOWAGE ON THE WEATHER DECK.
- 4. ADDITIONAL STOWAGE AND BRACING NOTES,
- 5. ADDING XM611 CONTAINER.

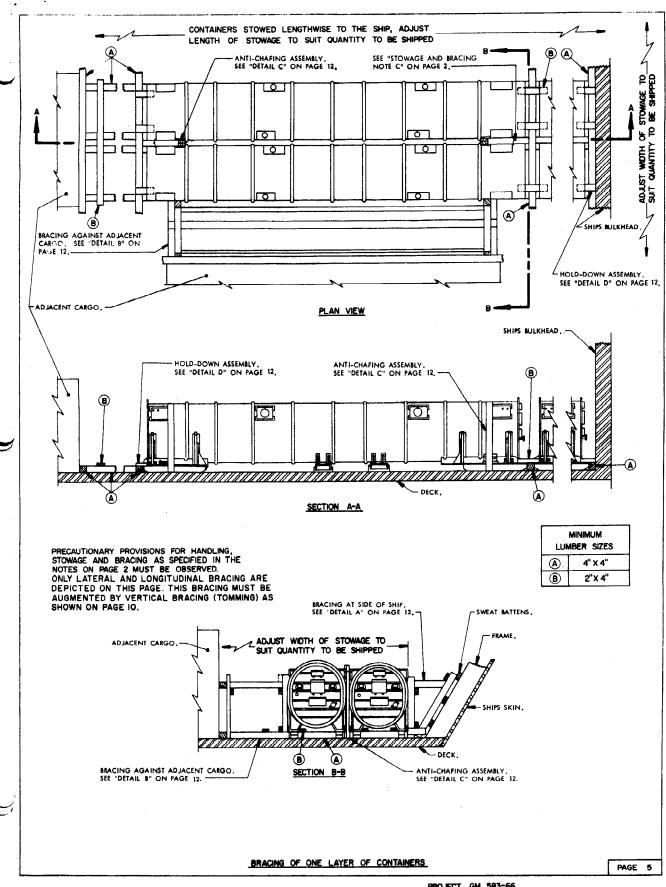


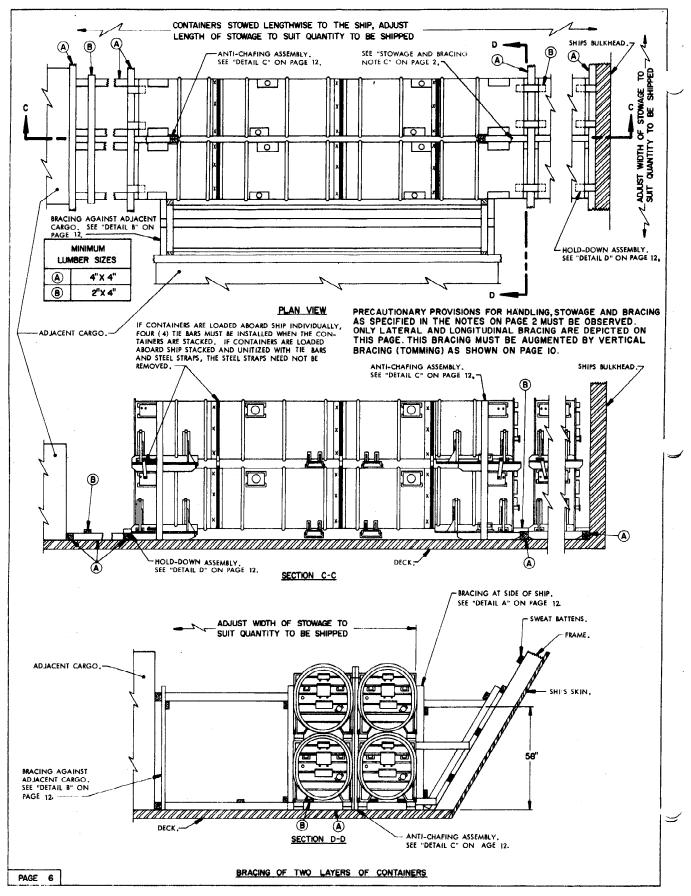
PRECAUTIONARY PROVISIONS FOR HANDLING, STOWAGE AND BRACING AS SPECIFIED IN THE NOTES ON PAGE 2 MUST BE OBSERVED.

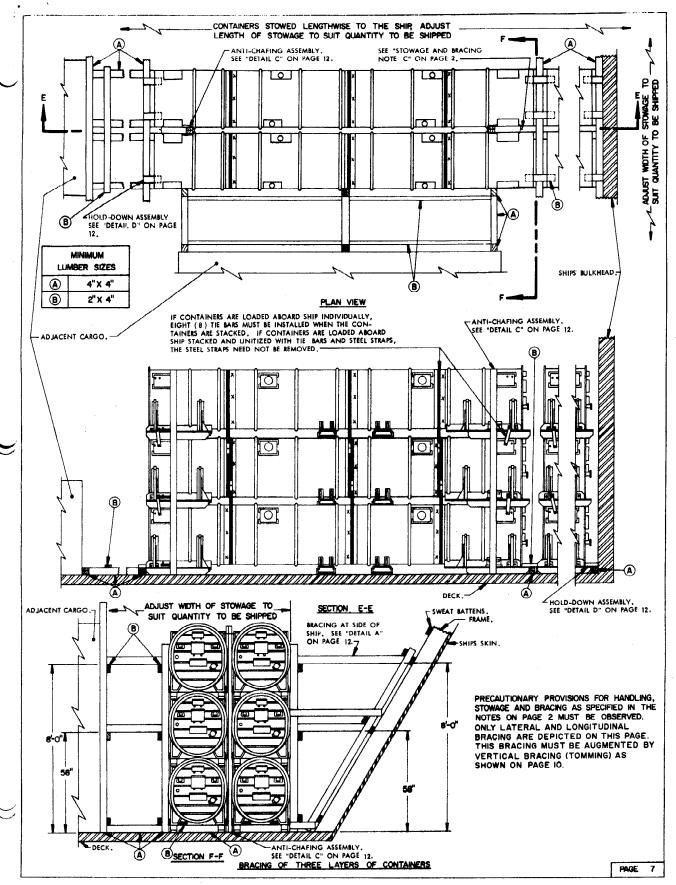


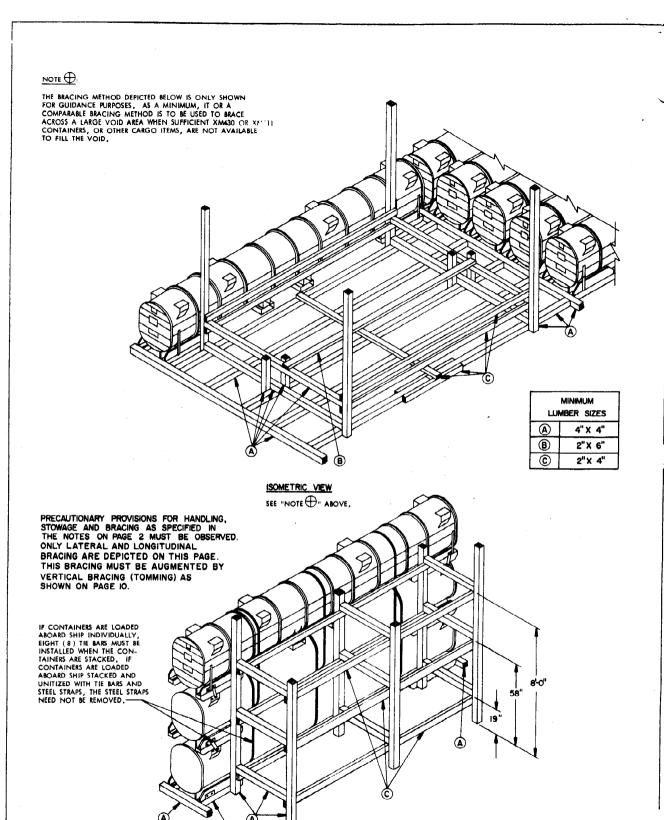


PRECAUTIONARY PROVISIONS FOR HANDLING, STOWAGE AND BRACING AS SPECIFIED IN THE NOTES ON PAGE 2 MUST BE OBSERVED.



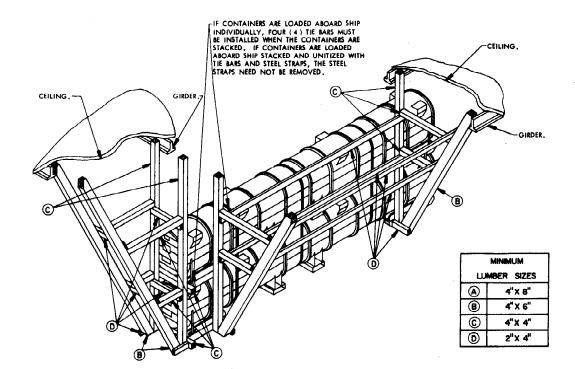




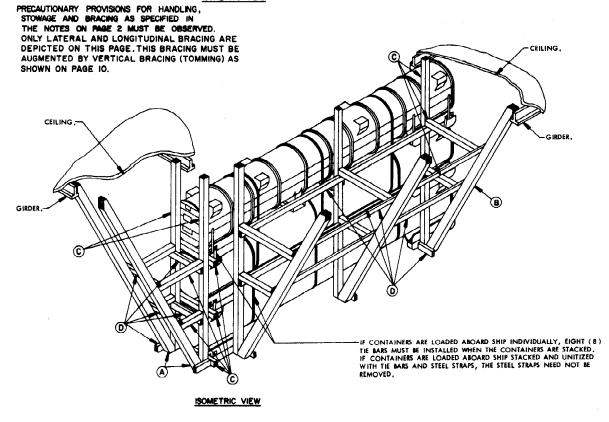


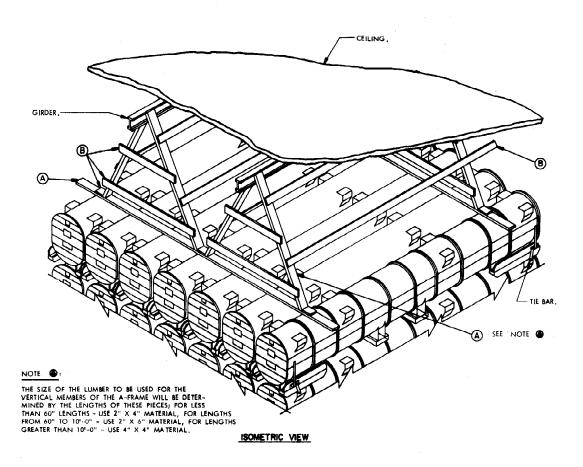
ALTERNATIVE METHODS OF BRACING CONTAINERS

ISOMETRIC VIEW



ISOMETRIC VIEW





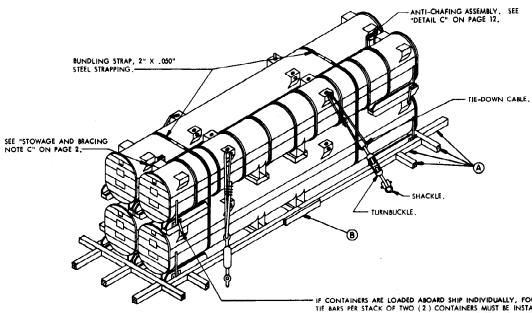
MINIMUM LUMBER SIZES

(A) 2" X 6"

(B) 1" X 6" PRECAUTIONARY PROVISIONS FOR HANDLING, STOWAGE AND BRACING AS SPECIFIED IN THE NOTES ON PAGE 2 MUST BE OBSERVED.

PAGE 10

TYPICAL TOMMING PROCEDURES



ISOMETRIC VIEW

NOTE: SPECIFIC ATTENTION IS DIRECTED TO "STOWAGE AND BRACING NOTE E" ON PAGE 2.

- IF CONTAINERS ARE LOADED ABOARD SHIP INDIVIDUALLY, FOUR (4)
TIE BARS PER STACK OF TWO (2) CONTAINERS MUST BE INSTALLED.
IF CONTAINERS ARE LOADED ABOARD SHIP STACKED AND UNITIZED WITH
THE BARS AND STEEL STRAPS, THE STEEL UNITIZING STRAPS NEED NOT BE
REMOVED. THE BUNDLING STRAP IDENTIFIED ABOVE WILL BE APPLIED
IN ADDITION TO ANY OTHER STRAPPING WHICH MAY BE ON THE CONTAINERS. NOTE: STOWAGE ON THE WEATHER DECK IS RESTRICTED TO A MAXIMUM OF 2-HIGH CONTAINER STACKS.

MINIMUM LUMBER SIZES						
(4)	4" X 4"					
₿	2" X 4"					

PRECAUTIONARY PROVISIONS FOR HANDLING, STOWAGE AND BRACING AS SPECIFIED IN THE NOTES ON PAGE 2 MUST BE OBSERVED.

