



TRUCKLOADING OF AMMUNITION PACKED IN WOODEN BOXES

(WP AND PWP FILLED ITEMS NOT INCLUDED FOR THESE ITEMS SEE DWG. 19-48-4010-1141000)

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CAUTION: GENERAL NOTES, PAGE 2 WILL BE THOROUGHLY READ PRIOR TO LOADING.

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GENERAL NOTES

- ①-MOTOR CARRIERS ARE RESPONSIBLE FOR SUPERVISION OVER TOTAL WEIGHT AND DISTRIBUTION OF LOAD ON THEIR VEHICLE. INSTALLATION SHOULD REQUIRE ORIGIN CARRIER TO PROVIDE SUCH SUPERVISION, TO ASSURE COMPLIANCE WITH LAWS OF ALL STATES THROUGH WHICH ANY TRUCK LOAD SHIPMENT WILL PASS.
- Q-NAILING TO TRAILER SIDE WALLS WILL BE AVOIDED AS NO EFFECTIVE ANCHORING CAN BE EXPECTED, AND FALSE SECURITY CAN BE DANGEROUS. NAILING INTO TRAILER FLOORS WILL BE AVOIDED WHEREVER PRACTICABLE. ALL NAILING WILL NORMALLY BE ACCOMPLISHED WITHIN THE BLOCKING LUMBER, EXCEPT LTL ON WOODEN FLOOR.
- 3.—ALL BLOCKING SHOULD BE TO THE STRONG POINTS OF THE TRAILER, THAT IS, THE FLOOR, OR AGAINST SIDE FRAME MEMBERS AT THE FLOOR LINE. SECONDARY STRONG POINTS ARE AGAINST THE SIDE FRAME MEMBERS AT THE ROOF LINE. BRACING AGAINST SIDE MEMBERS AT POINTS BETWEEN FLOOR AND ROOF IS NOT RECOMMENDED.
- (1) IN THE EVENT THE TRAILER IS PROVIDED WITH AN INSTALLED BULKHEAD, LOAD MAY BE POSITIONED DIRECTLY AGAINST IT.
- (3) THIS DRAWING APPLIES TO TRAILERS HAVING WOOD, METAL & WOOD, OR METAL FLOORS.
 (6) IN THOSE CASES WHEREIN TRAILERS DO NOT HAVE REAR CORNER STUDS TO BRACE AGAINST,
 BLOCKING WILL EXTEND TO DOORWAY, SO THAT DOORS, WHEN CLOSED, WILL PREVENT POSSIBLE
 SHIFTING OF LOAD.
- THE WHEN LOAD IN TRAILER EXTENDS TO WITHIN 4" OF END OF TRAILER, POSITIONING OF TAIL GATE ABAINST STUDY OF DOORS IS PERMITTED.
- (SUCH AS ARE USED FOR TINT), OR WITH CARDBOARD CARTONS, A BULKHEAD WILL BE REQUIRED TO PREVENT DAMAGE TO CONTAINERS. FOR DETAIL OF BULKHEAD SEE PAGE S.
- S RISERS SHOULD BE # BOX HEIGHT.

 LENGTH AND WIDTH DIMENSIONS OF FILLER SHOULD BE THE SAME AS THE VOID SPACE TO BE
 ECCUPIED.

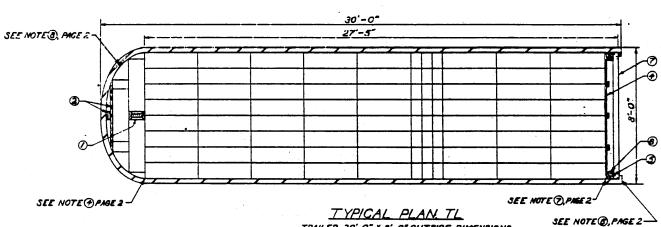
MATERIAL SPECIFICATIONS

LUMBER: SEE PAR. 5400, ORDM 3-4, VOL 2, DATED 3 MAY 1954.

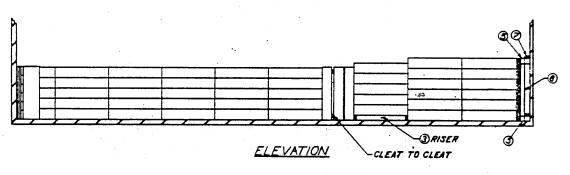
NAILS: COMMON CEMENT COATED, FED. SPEC. FF-N-101.

ALT: ANNULARLY GROOVED NAILE OF SAME SIZE.

STRAPPING, STEEL: TYPE I, CLASS A OR C, FED. SPEC. QQ-S-781A.

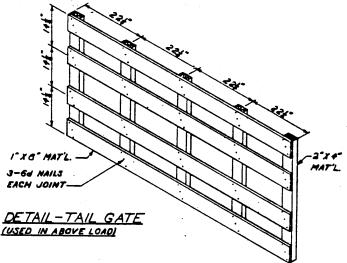


TRAILER 30-0" X 6-0" OUTSIDE DIMENSIONS
W/WOODEN OR METAL FLOOR
BOX DIMENSIONS, 374" X 11"
BOX WEIGHT, 68.8 LBS.
LOAD AS SHOWN, 377 BOXES
LOAD WEIGHT, APPROXIMATELY 25.458 LBS.
(INCLUDING DUNNAGE)



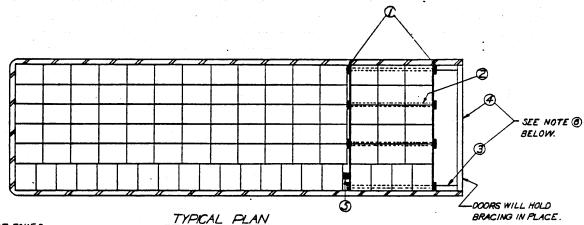
KEY NUMBERS & NOTES

- O SOLID FILL.
- 2 2" MATERIAL, AS REQUIRED.
- 3 RISER-SEE DETAIL, PAGE 7.
- TAIL GATE SEE DETAIL.
- * 3 +"14" CUT TO FIT BETWEEN TAIL GATE AND CORNER STUD. 4 REQ'D. TOENAIL TO GATE UPRIGHTS W/3-104 NAILS EACH JOINT.
- (1) 2"X4"X GATE HEIGHT. 2 REQ"D. NAIL TO PC. (3) W/2-108 NAILS EACH JOINT.
- (2) 2"X4" X TRAILER WIDTH. 2 REO'D NAIL TO PC. (3) W/2-IOd NAILS, EACH JOINT.



NOTE:
HORIZONTALS WILL BE POSITIONED AT EXTREME TOP AND
BOTTOM OF GATE AND AT JOINTS BETWEEN EVERY
OTHER LAYER, OR MAXIMUM OF 18" CENTER TO CENTER,
WHICHEVER IS LESS IN HEIGHT.

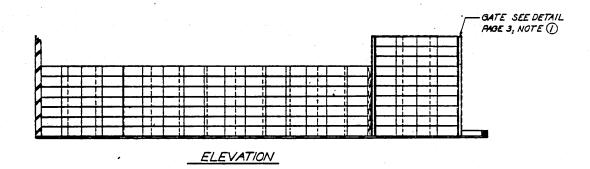
WOOD OR METAL FLOOR TRAILER, WITH END CORNER STUDS



NOTE

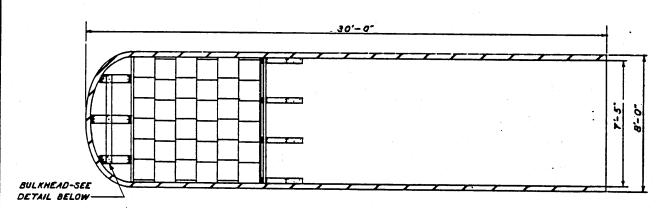
FOR POSITIONING OF BOXES IN TRAILER WY ROUNDED FORWARD END, SEE PAGE 3.

TRAILER 26-0" X 8'-0" OUTSIDE DIMENSIONS
WI METAL FLOOR, WID END CORNER STUDS.
BOX DIMENSIONS 18 X X 14" BOX WEIGHT, JO LBS. LOAD AS SHOWN, 722 BOXES. LOAD WEIGHT, APPROX. 26,240 LBS. (MCL. DUNMAGE)."



KEY NUMBERS & NOTES

- ()-GATE (2 REOD) FORWARD GATE MAY BE LOCATED TO SUIT WEIGHT DISTRIBUTION REQUIREMENTS.
- 2)- 14° 2.035° 2 LENGTH TO SUIT, STEEL STRAPPING, (4 REDD).
 3)- 4° 24°, CUT TO FIT (2 REDD) FIT BETWEEN GATE UPRIGHT & PC. TOENAIL TO GATE UPRIGHT W2-121 NAILS EA. JT.
- A- +x + TLR WIOTH POSITION AT REAR OF TRAILER. TOENAIL TO PC. 3 W/2-12d NAILS EA. JT. THIS PIECE 13. TO CONTACT DOORS WHEN CLOSED. (I REO'D.)
- 3 FILL AS REO'D. (MAIL THROUGH GATE HORIZONTALS INTO FILLS
- 1 WHEN LOAD EXTENDS TO WITHIN 4" OF REAR DOORS, PCS 3 & @ MAY BE OMITTED.



TYPICAL PLAN(LTL)

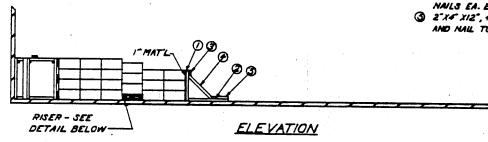
TRAILER W/WOODEN FLOOR, 30'-0"X
6'-0" OUTSIDE DIMENSIONS
LIGHTLY CONSTRUCTED, WOODEN BOX.
141 X 141 X 74"
GROSS WEIGHT OF PACKAGE, 55 LBS.

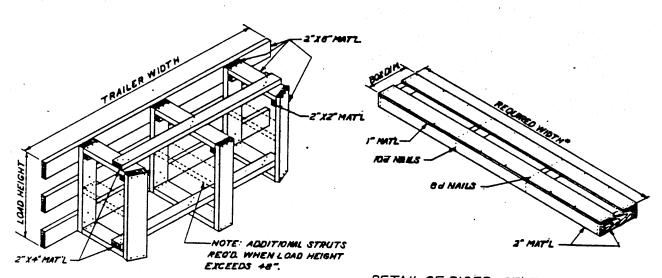
KEY NUMBERS & NOTES

- (1) GATE. I"MATL HORIZONTALS. 2"X4" UPRIGHTS, HEIGHT OF LOAD.
- 2"X4"X30", 4 REQD. NAIL TO FLOOR USING I-IGG MAIL EVERY 6".
- 3 2°X4XTRALER WIDTH. MAIL TO GATE UPPRINTS USING 2-121 MAILS EA. JOINT
- 2"If MAT'L + REG'D DOUBLE BEVEL EA.

 END AND POSITION AT +5"4. TOENAIL TO
 GATE UPRIBHTS & PC @ USING 2-101

 NAILS EA. END.
- 3 2"X4" XI2", + REO'D. POSITION AS SHOWN AND NAIL TO PC Q USING 3-124 NAILS.



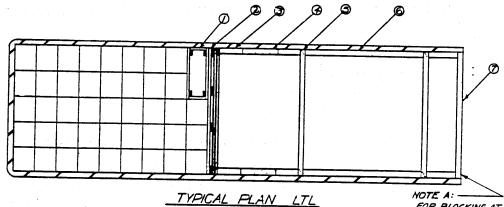


DETAIL OF BULKHEAD
(USED FOR LIGHTLY CONSTRUCTED
BOXES ONLY)

DETAIL OF RISER OR FILLER FOR FIBER CONTAINERS

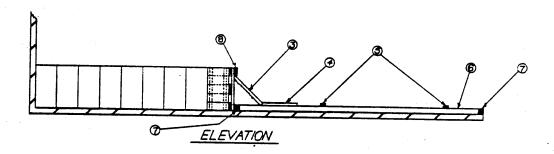
NOTE: SEE PAGE 2, NOTE 9

LTL, LIGHTLY CONSTRUCTED BOXES IN WDN. FLOOR TRAILER WIROUND NOSE



TRAILER 26'-0" X 8'-0" OUTSIDE DIMENSIONS WIMETAL FLOOR, WIO CORNER STUDS (NOTE A:) METAL FLOOR PAGE 7.
METAL-LINED WOODEN BOX 177 X 141 X 30"H. WEIGHT OF BOX (W/O PROPELLANT) APPROX. 45 LBS.

FOR BLOCKING AT REAR, IN TRAILERS WITH CORNER STUDS SEE LTL



KEY NUMBERS & NOTES

- SEE DETAIL FILLER.
- GATE-SEE DETAIL, PAGE 3. 2X6" MATL. LENGTH AS REGID. 2 REQID. DOUBLE BEVEL EA. END. POSITION AT APPROX. 45'L. TOENAL TO GATE AND & W/3-121 ANILS EA. JOHN.

 ZX 4X 24', 2 REQ'D, NAIL TO & W/4-16 d MAILS.

 ZX 4'X TRAILER WETH, 2 REQ'D, NAIL TO & W/3-12d

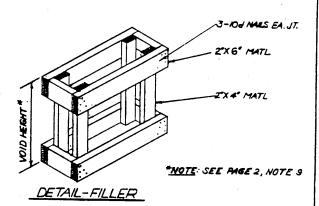
- ANTE FAILER WIDTH, 2 MEGIL, NAIL TO GO WIS-LED NAILS EA. END.

 4"X4" CUT TO FIT, BETWEEN PCS. 2 REOD. TOENAIL TO

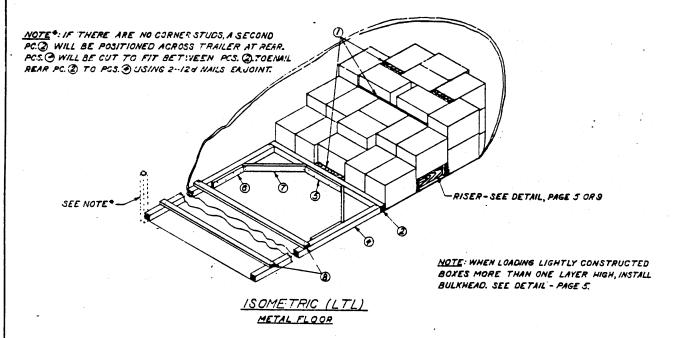
 WIS-121 NAILS EA. END.

 4"X4" X TRAILER WIDTH, 2 REQ"D.

 2"X6"X TRAILER WIDTH, 1 REQ"D. NAIL TO GATE UPRIGHTS AS HOLD DOWN FOR ...



LTL IN METAL FLOOR TRAILER WITH SQUARE NOSE



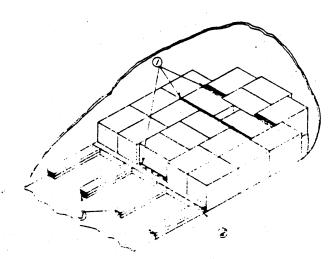
KEY NUMBERS & NOTES

① SOLID FILL.

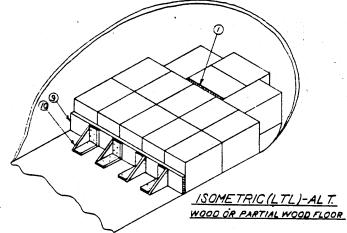
P"X4"X TRAILER WIDTH, I PEC'D. POSITION AS SHOWN.
2"X6"X36". 3 REC'D. LAMINATED. NAIL BOTTOM PIECE
TO FLOOR W/I- 64 NAIL EVERY 8". NAIL TOP PIECE TO
ONE BELOW IN LIKE MANNER. TOENAIL (3) TO(3) W/J-.24
WAILS EA. JOINT.

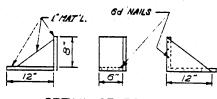
- ATXATX SULT TO FIT (TO EXTEND TO REAR OF TRAVESH)
 2 REGIO TOENALL TO 2 V/3-124 NAILS EAUJOINT.
- (1) 2"X4"X30", I REQD. NAIL TO 2 WI-128 NAIL EVERY 5".
 (2) 2"X4"X24", 2 REO'D. NAIL TO 2 WI-128 NAIL EVERY 5".
- 9) 2"X4"X24", 2 RED'S. WAIL TO (A) W/I-IZO WAIL EVERY 5" 2"X4"MATL. 2 RED S. DOUBLE BEVEL EMEND AND POSITION
- AT 45°L. TOENAIL TO 2 & 10 W/3-124 NAILS EA. END.

 2 "X4" X TRAILER WIDTH, 2 REGD. NAIL TO 10 W/3-124 NAILS EA. END.
- 9) 2"X8"X TRAILER WIDTH, FOCITION AS SHOWN.
- 10 BOX CLEATS (SEE DETAIL), FREDD. NAIL TO FLOOR N/4-15d : NAILS EA. CLEAT. NAIL TO 3) W/4-5d NAILS EA CLEAT.



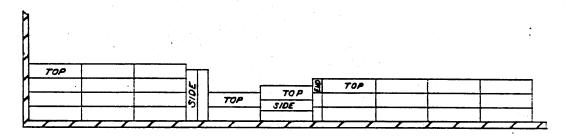
SCMETPIC (LTL)





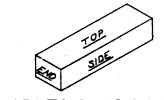
DETAIL OF BOX CLEATS

TYPICAL METHOD OF BRACING ON METAL OR WOODEN FLOORS (LTL)

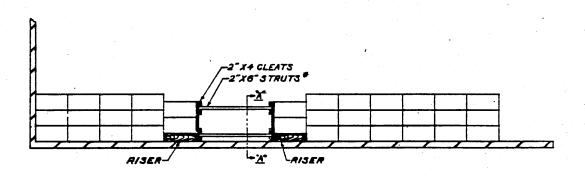


APPROVED METHODS OF POSITIONING BOXES FOR PROPER WEIGHT DISTRIBUTION

NOTE: EXCEPTION - WHEN LOADING BOXES MARKED THIS SIDE UP".

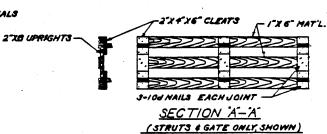


KEY TO BOX POSITIONS

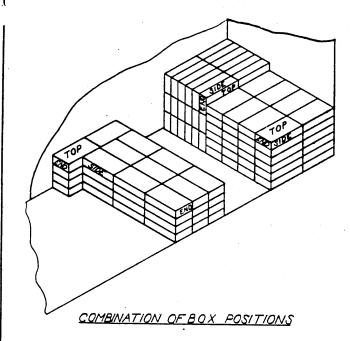


ALTERNATE VIEIGHT DISTRIBUTION METHOD (USED PARTICULARLY FOR HEAVY, COMPACT ITEMS)

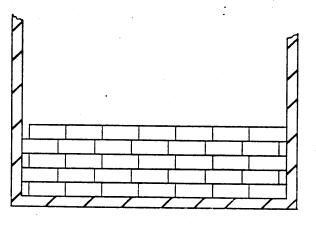
NOTE®: STRUTS GREATER THAN 6'-0"IN LENGTH SHOULD BE BRACED AT CENTER WITH I"X4" VERTICALS TO PREVENT SPRINGING.



WEIGHT DISTRIBUTION METHODS

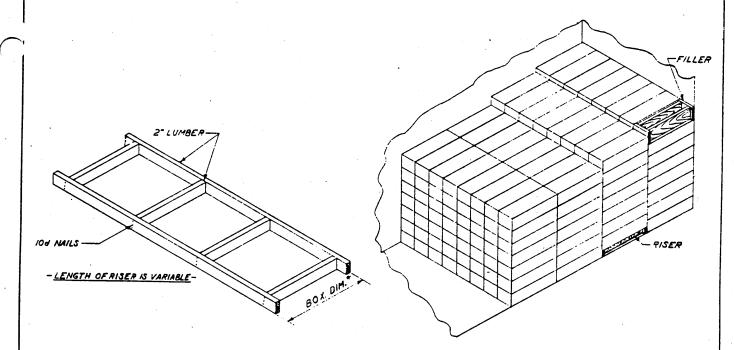


MOTE: EXCESS SPACE ACROSS TRUCK MUST NOT EXCEED § OF THE BOX DIMENSION.



ALTERNATING OF LAYERS IN TRUCK WIDTH

UTILIZATION OF SPACE ACROSS WIDTH OF TRUCK



<u>DETAIL OF RISER OR FILLER FOR</u>
<u>WOODEN BOXES</u>

*NOTE: SEE PAGE2 , NOTES

STEP-DOWN METHOD OF LOADING USING RISER & FILLER DETAILED AT LEFT.