

GENERAL NOTES

(GENERAL NOTES CONTINUED)

- A. THIS DOCUMENT HAS BEEN PREPARED AND ISSUED IN ACCORDANCE WITH AR 740-1.
- B. THIS DRAWING COVERS PROCEDURES APPLICABLE TO THE TRANSPORT OF LOOSE AND/OR PALLETIZED SEPARATE LOADING PROJECTILES, SECURED WITH WEB STRAP TIEDOWN ASSEMBLIES, IN/ON TACTICAL TYPE VEHICLES, FOR ON AND/OR OFF HIGHWAY. SEE NOTE "D" BELOW.
- C. DEPICTED PROCEDURES APPLY TO TACTICAL VEHICLES HAVING FACTORY INSTALLED TIEDOWN ANCHORS AND/OR TACTICAL VEHICLES WHICH HAVE BEEN MODIFIED TO INCLUDE THE UNIVERSALLY APPLICABLE "TIEDOWN KIT" WHICH CONSISTS OF THE TIEDOWN FITTINGS OR ANCHOR DEVICES FOR INSTALLATION IN/ON CARGO BEDS, SIDE WALLS, AND/OR END WALLS, FOR USE WITH WEB STRAP TIEDOWN ASSEMBLIES. SEE PAGE 38 FOR GUIDANCE.
- D. ALL LOADS SHOWN HEREIN ARE TYPICAL AND ARE BASED ON TESTED PROCEDURES FOR OFF HIGHWAY TRANSPORT OF LOOSE AND/OR PALLETIZED SEPARATE LOADING PROJECTILES. COMBINATIONS OF PROCEDURES MAY BE USED IN/ON ANY TACTICAL VEHICLE. HOWEVER, THE APPROVED METHODS SPECIFIED HEREIN MUST BE FOLLOWED AS CLOSELY AS POSSIBLE.
- E. BECAUSE OF THE FACT THAT ALL LOADS SHOWN HEREIN ARE TYPICAL IT IS MOST LIKELY THAT THE ACTUAL QUANTITY TO BE TRANSPORTED WILL NOT BE DEPICTED. IN ORDER TO MAINTAIN SIMILARITY FROM ONE LOAD TO ANOTHER, INSTALLATIONS WHICH MAKE MULTIPLE SHIPMENTS OF THE SAME ITEM IN THE SAME TYPE OF VEHICLE, SHOULD MAKE AN ACTUAL PENCIL SKETCH OF THE LOAD, USING THE VARIOUS TYPICAL LOADS AND PROCEDURES SHOWN HEREIN FOR GUIDANCE. THIS SKETCH WOULD BE ADVANTAGEOUS FOR MAXIMUM LOADS USING A MINIMUM QUANTITY OF WEB STRAP TIEDOWN ASSEMBLIES.
- F. WEB STRAP TIEDOWN ASSEMBLIES MUST BE SECURELY HOOKED INTO ANCHORING DEVICES ON THE TRANSPORTING VEHICLE AND RATCHETED TIGHT, PRIOR TO MOVING THE VEHICLE. WHEN INSTALLING STRAPS ASSURE THAT THERE ARE NO "TWISTS" AND/OR "KNOTS" IN STRAP. THE STRAP MUST FORM A STRAIGHT "LAY" ON THE RATCHET TAKE-UP SPOOL WHEN TENSIONING. PRIOR TO RATCHETING THE STRAP TIGHT FULL EXCESS LENGTH OF SLACK STRAP THROUGH THE RATCHET TAKE-UP SPOOL UNTIL ENOUGH STRAP LENGTH REMAINS TO FORM AT LEAST ONE-HALF, BUT NOT MORE THAN ONE AND ONE-HALF WRAPS OF STRAP ON THE RATCHET TAKE-UP SPOOL, AFTER STRAP-TO-STRAP CONTACT HAS BEEN MADE (STRAP-TO-STRAP CONTACT IS MADE BY ROTATING THE TAKE-UP SPOOL UNTIL NO METAL ON THE SPOOL IS SHOWING AND THE STRAP IS IN CONTACT WITH ITSELF). NOTE: WHEN THE TAKE-UP SPOOL OF THE RATCHET ASSEMBLY IS ROTATED BY MOVING THE RATCHET HANDLE TO TENSION A STRAP ASSEMBLY, TWO THICKNESSES OF STRAP WILL BE WOUND ONTO THE SPOOL AT THE SAME TIME. THEREFORE, THE REQUIREMENT FOR ONE-HALF TO ONE AND ONE-HALF WRAPS OF STRAP ON THE TAKE-UP SPOOL ACTUALLY MEANS ONE-HALF TO ONE AND ONE-HALF OF DOUBLED STRAP. ONE METHOD THAT CAN BE USED TO ENSURE THERE IS ONE-HALF WRAP OF STRAP ON THE RATCHET TAKE-UP SPOOL AFTER STRAP-TO-STRAP CONTACT HAS BEEN MADE IS TO COUNT THE AUDIBLE "CLICKS" MADE BY THE RATCHET ASSEMBLY AS A WEB STRAP IS BEING RATCHETED. FOR EXAMPLE, IF THE RATCHET ASSEMBLY HAS NINETEEN TEETH, STARTING WITH A BARE TAKE-UP SPOOL, COUNT FOURTEEN "CLICKS" AS THE TAKE-UP SPOOL IS BEING ROTATED. IF THE RATCHET ASSEMBLY HAS ELEVEN TEETH, COUNT SEVENTEEN "CLICKS". AFTER A STRAP ASSEMBLY HAS BEEN PROPERLY TENSIONED, CARE MUST BE EXERCISED TO ASSURE THAT THE TAKE-UP SPOOL LOCKING LATCH (SPRING-LOADED DEVICE WITH A LOCKING BAR ON EACH SIDE OF THE RATCHET ASSEMBLY) IS FULLY SEATED ON BOTH SIDES IN MATCHING LOCKING NOTCHES, WHICH ARE SIMILAR TO SPROCKET GEAR TEETH, LOCATED ON EACH END OF THE TAKE-UP SPOOL. AFTER TENSIONING IS COMPLETED THE LOOSE END OF STRAP MAY BE FOLDED AND SECURED TO THE TENSIONED STRAP WITH TAPE, WIRE, STRING, VELCRO STRIP, OR OTHER MEANS.
- G. ADJUSTABLE SCUFF SLEEVES, WHEN PROVIDED ON WEB STRAP ASSEMBLIES, WILL BE LOCATED TO PROVIDE A PAD WHERE STRAPS PASS OVER SHARP EDGES, OR RATCHETS AND HOOKS ON PREVIOUSLY INSTALLED WEB STRAP TIEDOWN ASSEMBLIES. METAL PARTS OF A STRAP ASSEMBLY SHOULD BE LOCATED SO AS TO AVOID CONTACT WITH THE PROJECTILES. IF CONTACT CANNOT BE AVOIDED, A SUITABLE ANTI-CHAFING MATERIAL, AS LISTED UNDER THE MATERIAL SPECIFICATIONS BELOW, MUST BE POSITIONED BETWEEN THE METAL PARTS OF A STRAP ASSEMBLY AND THE PROJECTILES AND IF NECESSARY, TAPED OR TIED IN POSITION.
- H. IF THE SIDE RACKS FOR THE SEMITRAILER ARE TO BE TRANSPORTED ON THE LOADED TRAILER, THEY WILL BE STACKED ON THE TRAILER AND SECURED WITH A SUFFICIENT QUANTITY OF WEB STRAP TIEDOWN ASSEMBLIES TO PREVENT LOSS DURING TRANSPORT. NOTE: IF DESIRED, THE SIDE RACKS FOR THE M871 AND M872 SEMITRAILERS MAY BE POSITIONED IN PLACE AFTER THE LOAD HAS BEEN SECURED. AFTER ALL SIDE PANELS AND REAR PANELS ARE IN POSITION THE STAKES MUST BE SECURELY "PINNED" OR "WEB-TIED" TO THE STAKE POCKET TO PREVENT VERTICAL DISPLACEMENT DURING TRANSPORT. ALSO, THE SIDE PANELS MUST BE SECURED AT THE TOP WITH THE CROSS-CHAINS WHICH ARE PROVIDED WITH THE VEHICLE. NOTE: THESE PROCEDURES DO NOT APPLY TO M871 AND M872 SEMITRAILERS WHICH HAVE BEEN MODIFIED WITH DROP SIDES.
- J. THE TIEDOWN PROCEDURES SHOWN WITHIN THIS DRAWING ALSO APPLY TO DROP SIDE VEHICLES HAVING TIEDOWN ANCHORS INSTALLED ON THE DROP SIDES. THE TAILGATE MUST ALWAYS BE IN THE CLOSED POSITION TO HELP STRENGTHEN THE DROP SIDES.
- K. DURING LONG HAULS, WHEN POSSIBLE, STRAPS SHOULD BE CHECKED DURING VEHICLE STOPS AND TIGHTENED, IF NECESSARY.
- L. PROCEDURES DEPICTED HEREIN ARE TYPICAL IN NATURE RELATIVE TO ITEM LOCATION IN/ON THE VEHICLE AND THE QUANTITIES SHOWN. ITEM LOCATION AND QUANTITIES OF THE DESIGNATED ITEM MAY BE VARIED TO SATISFY OPERATIONAL REQUIREMENTS, PROVIDED LOADING AND TIEDOWN PRINCIPLES SPECIFIED HEREIN ARE RETAINED.
- M. THE TIEDOWN METHODS WITHIN THIS DRAWING SHOW TWO HOOKS TO BE CONNECTED TO ONE TIEDOWN EYE. THIS IS AUTHORIZED AS SPECIFIED HEREIN.
- N. CONVERSION TO METRIC EQUIVALENTS: DIMENSIONS WITHIN THIS DOCUMENT ARE EXPRESSED IN INCHES, AND WEIGHTS ARE EXPRESSED IN POUNDS. WHEN NECESSARY THE METRIC EQUIVALENTS MAY BE COMPUTED ON THE BASIS OF ONE INCH EQUALS 25.4MM, AND ONE POUND EQUALS 0.454KG.
- O. ONLY THE CARGO BODIES OR BEDS OF THE TACTICAL VEHICLES HAVE BEEN SHOWN HEREIN TO PREVENT DISTRACTION FROM THE DELINEATED LOADING AND TIEDOWN PROCEDURES, AND ARE SHOWN IN OUTLINE FORM WITH THE STRUCTURAL PORTIONS OMITTED AS NECESSARY TO IMPROVE THE CLARITY OF THE DEPICTED PROCEDURES.
- P. WHEN ONE WEB STRAP TIEDOWN ASSEMBLY IS NOT LONG ENOUGH TO SPAN THE DISTANCE DEPICTED, TWO ASSEMBLIES MAY BE HOOKED TOGETHER TO GAIN THE NECESSARY LENGTH.
- Q. FOR ADDITIONAL GUIDANCE ATTENTION IS DIRECTED TO THE LOADING, TIEDOWN, AND UNLOADING PROCEDURES ON PAGE 5, AND THE "SPECIAL NOTES" SECTIONS ON PAGES 6, 20, 30, AND 44.

(CONTINUED AT RIGHT)

MATERIAL SPECIFICATIONS

- STRAP----- WEBBING, UNIVERSAL TIEDOWN, NSN 5340-00-980-9277,
PN 10900000 OR NSN 1670-00-725-1437, PN 0076-013.
ALTERNATIVE: NSN 5340-01-089-4997, PN 1146-9588.
- ANTI-CHAFING
MATERIAL----- CANVAS, BURLAP, TAPE OR ANY OTHER SUITABLE MATERIAL.

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NOTE: IF LOADING A "HEMTT" SEE SPECIAL HEMTT LOADING SECTION BELOW.

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NOTE: IF LOADING A "HEMTT" SEE SPECIAL HEMTT LOADING SECTION BELOW. ALSO SEE THE "LPRS" SECTION BELOW FOR ALTERNATIVE METHOD.

SECUREMENT OF LOOSE AND/OR PALLETIZED SLP IN THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985

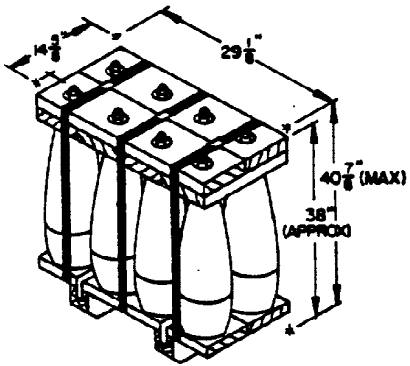
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NOTE: THE PROCEDURES SHOWN ON PAGES 30 THROUGH 43 APPLY TO THE "HEMTT" ONLY. ALSO, SEE THE "LPRS" SECTION BELOW.

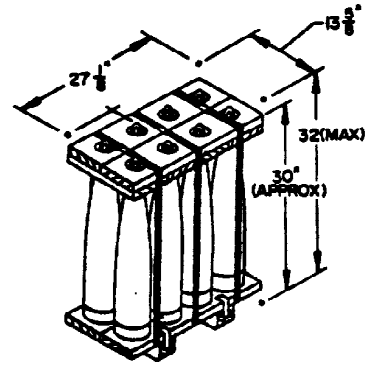
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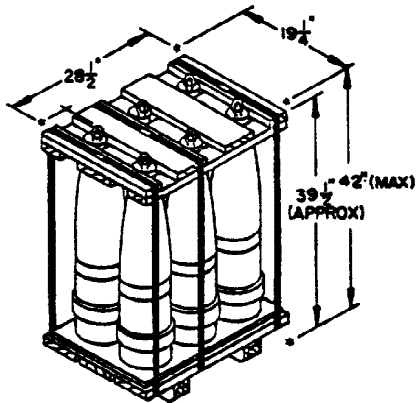
NOTE: THE TACTICAL VEHICLES LISTED IN THE INDEX ABOVE AND SHOWN WITHIN THIS DRAWING WERE SELECTED AS TYPICAL ONLY. OTHER TYPES OF VEHICLES MAY BE USED IN LIEU OF THOSE SHOWN AS LONG AS THEY COMPLY WITH GENERAL NOTE "C" ON PAGE 2.



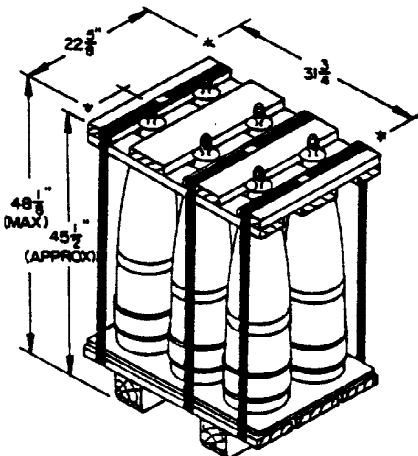
155 MM SLP
8/LARGE PALLET



155 MM SLP
8/SMALL PALLET
(797 POUNDS)



8" SLP
6/SMALL PALLET
(1253 POUNDS)



8" SLP
6/LARGE PALLET

NOTE: THE PALLETIZED 155MM SLP, AND 8" SLP, SHOWN ON THIS PAGE DEPICT TYPICAL PALLETIZED SEPARATE LOADING PROJECTILES.

LOADING, TIEDOWN, AND UNLOADING PROCEDURES

1. PRIOR TO LOADING AND/OR UNLOADING SET BRAKES ON TACTICAL VEHICLE AND DROP TAILGATE IF LOADING AND/OR UNLOADING TRUCK OR TRAILER, REMOVE SIDE RACKS FROM SEMITRAILERS, AND CANVAS COVER AND BOWS FROM TRUCK OR TRAILER.
2. AFTER ALL LOADING PROCEDURES ARE COMPLETE, CHECK ALL WEB STRAP TIEDOWN ASSEMBLIES FOR MAXIMUM TIGHTNESS AND RATCHET TIGHTER, IF REQUIRED, PRIOR TO FOLDING UP AND SECURING THE LOOSE ENDS OF STRAP. SEE GENERAL NOTE "G" ON PAGE 2.
3. WHEN TWO STRAPS ARE TO BE ATTACHED TO THE SAME TIEDOWN ANCHOR ATTACH THE RATCHET END OF ONE STRAP AND THE NON-RATCHET END OF THE SECOND STRAP TO THE TIEDOWN ANCHOR, PRIOR TO RATCHETING STRAPS TIGHT.
4. IF THE WEB STRAP TIEDOWN ASSEMBLIES BEING USED DO NOT HAVE SWIVEL HOOKS ON EACH END ASSURE THAT ALL TWISTS ARE OUT OF STRAP PRIOR TO ATTACHING HOOKS TO TIEDOWN ANCHORS.
5. WHEN TRANSPORTING LESS THAN FULL LOADS ON TRUCKS AND/OR SEMITRAILERS, DO NOT POSITION PALLET WITHIN FIVE FEET OF AFT END, IF POSSIBLE, AS THIS IS THE ROUGHEST RIDING AREA IN/ON THE VEHICLE.
6. WHEN USING WEB STRAP TIEDOWN ASSEMBLIES THAT HAVE THE RATCHET AND NON-SWIVEL HOOK ON THE END OF THE STRAP, IT MAY NOT BE POSSIBLE TO PROPERLY OPERATE THE RATCHET IF THE SPACE BETWEEN THE LOAD AND THE VEHICLE SIDE WALL IS LESS THAN 12". IF THE RATCHET CANNOT BE PROPERLY OPERATED TO ATTAIN A TIGHT STRAP, THE QUANTITY OF PALLET UNITS ACROSS THE VEHICLE WIDTH MUST BE REDUCED. ADDITIONALLY, IN SOME LOADS IT MAY NOT BE POSSIBLE TO COMPLETELY CLOSE THE RATCHET HANDLE AFTER STRAP TENSIONING DUE TO LOAD/VEHICLE SIDE WALL/OTHER STRAP INTERFERENCE. ALTHOUGH THIS CONDITION IS NOT DESIRABLE, IT IS PERMISSIBLE PROVIDED PROPER STRAP TENSION IS ACHIEVED.
7. LOADING AND/OR UNLOADING PALLETIZED AND/OR LOOSE SEPARATE LOADING PROJECTILES MAY BE ACCOMPLISHED BY USE OF FORKLIFTS, SLINGS, AND/OR MANUALLY. IF MANUALLY LOADING AND/OR UNLOADING SEE NOTE 8 BELOW.
8. IF THE SEPARATE LOADING PROJECTILES ARE TO BE LOADED AND/OR UNLOADED MANUALLY, ON TO OR OFF OF A TACTICAL VEHICLE, THE FOLLOWING PROCEDURES ARE PROVIDED FOR GUIDANCE.
 - A. CUT AND REMOVE THE THREE STEEL UNITIZING STRAPS.
 - B. REMOVE THE COVER ASSEMBLY.
 - C. LIFT THE INDIVIDUAL PROJECTILES OUT OF THE PALLET BASE ASSEMBLY AND SET THEM ASIDE.
 - D. POSITION THE PALLET BASE ASSEMBLY AT THE DESIRED LOCATION IN/ON A TACTICAL VEHICLE OR ON THE GROUND.
 - E. POSITION THE INDIVIDUAL PROJECTILES BACK INTO POSITION ON THE PALLET BASE ASSEMBLY.
 - F. REPLACE THE COVER ASSEMBLY.
 - G. SECURE THE RE-ASSEMBLED PALLETIZED PROJECTILES TO THE TACTICAL VEHICLE WITH WEB STRAP TIEDOWN ASSEMBLIES AS SHOWN ON PAGES 20 THROUGH 29.

NOTE: IF LOADING THE SEPARATE LOADING PROJECTILES INTO A LOOSE PROJECTILE RESTRAINT SYSTEM (LRS) AS SHOWN ON PAGES 40 THROUGH 57, USE THE ABOVE PROCEDURES FOR GUIDANCE.

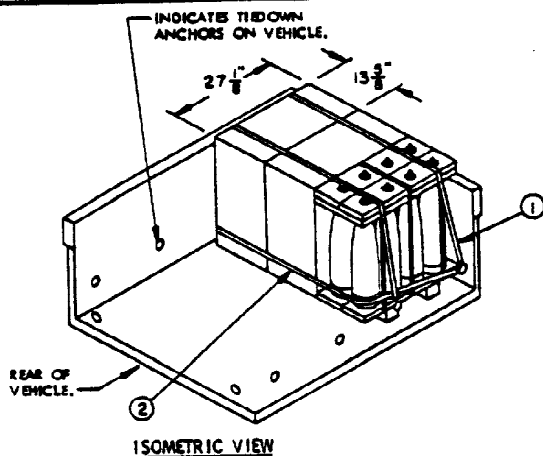
SPECIAL NOTES:

1. THE LOADS SHOWN ON PAGES 7 THROUGH 19 DEPICT TESTED METHODS OF SECURING PALLETIZED 15MM, AND 8", SEPARATE LOADING PROJECTILES IN/ ON TACTICAL VEHICLES.
2. THE PROCEDURES SHOWN ARE FOR SECUREMENT OF PALLETIZED SEPARATE LOADING PROJECTILES HAVING STEEL UNITIZING STRAPS.
3. PALLETS OF 15MM AND 8", SEPARATE LOADING PROJECTILES ARE SHOWN AS TYPICAL, HOWEVER, THE METHODS SHOWN WILL APPLY TO ANY PALLETIZED SEPARATE LOADING PROJECTILES.
4. THE TACTICAL VEHICLES SHOWN ARE TYPICAL ONLY AND OTHER TYPES OF VEHICLES MAY BE USED IN LIEU OF THOSE SHOWN AS LONG AS THEY COMPLY WITH GENERAL NOTE "C" ON PAGE 2.
5. MAXIMUM LOADS ARE SHOWN. HOWEVER, LESSER QUANTITIES MAY BE LOADED AND SECURED USING THE DEPICTED PROCEDURES.
6. PRIOR TO LOADING A TACTICAL VEHICLE, SELECT THE QUANTITY OF PALLETS TO BE LOADED. DO NOT EXCEED THE OFF-HIGHWAY WEIGHT LIMIT OF THE VEHICLE. SELECT THE BEST LOAD PATTERN, SUCH AS FOUR PALLETS ACROSS THE VEHICLE WIDTH AND THREE PALLETS LONG. SELECT A LOCATION IN THE LENGTH OF THE CARGO BED THAT WILL PROVIDE ADEQUATE TIEDOWN ANCHORS TO SECURE THE LOAD USING THE TIEDOWN PROCEDURES DEPICTED IN THIS DRAWING AS GUIDANCE.
7. EACH SINGLE PALLET AND/OR EACH ROW OF PALLETS POSITIONED ACROSS THE WIDTH OF THE VEHICLE, AS SHOWN ON PAGES 7 THROUGH 19, MUST BE SECURED WITH TWO STRAPS ATTACHED TO TIEDOWN ANCHORS ON ONE SIDE OF VEHICLE, OVER TOP OF PALLET (S) IN ROW, TO MATING TIEDOWN ANCHORS ON OPPOSITE SIDE OF VEHICLE. THESE TWO STRAPS MUST ALWAYS BE POSITIONED BETWEEN THE OUTERMOST LIFTING RINGS, AS SHOWN IN THE LOADS ON PAGES 7 THROUGH 19. DO NOT POSITION THESE STRAPS ACROSS LOAD ON LATERAL JOINTS BETWEEN PALLETS.
8. ALL LOADS FROM ONE PALLET TO MAXIMUM PALLETS MUST BE SECURED LONGITUDINALLY WITH ONE STRAP AT EACH END, ATTACHED TO A TIEDOWN ANCHOR ON ONE SIDE OF THE VEHICLE AND POSITIONED AROUND THE END OF THE PALLET/LOAD, ON TOP OF THE BASE ASSEMBLY AND TIGHT AGAINST THE BASE OF THE PROJECTILES, TO A MATING TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE, AS SHOWN IN THE LOADS ON PAGES 7 THROUGH 19. ON SOME PALLETS, SUCH AS THE 8", THIS STRAP MUST BE POSITIONED BETWEEN THE STEEL UNITIZING STRAP AND THE PROJECTILE AT EACH CORNER OF THE LOAD TO AVOID DAMAGING THE WEB STRAP TIEDOWN ASSEMBLY. NOTE: IF THE LOAD IS POSITIONED AGAINST THE END WALL, AS SHOWN ON PAGE 8, ONLY ONE LONGITUDINAL STRAP IS REQUIRED.
9. IF A PALLET AND/OR ROW OF PALLETS IS NOT IN LATERAL ALIGNMENT WITH TIEDOWN ANCHORS ON THE SIDE OF THE VEHICLE THE TWO HOLD-DOWN STRAPS MAY BE CROSSED OVER THE TOP OF THE PALLET/ROW, AS SHOWN IN THE LOAD ON PAGE 16.
10. THE M87 SEMITRAILER IS EQUIPPED WITH THREE DIFFERENT TYPES OF TIEDOWN FITTINGS AS INDICATED ON PAGES 16 AND 17. TYPE I IS A REMOVABLE TIEDOWN FITTING THAT HAS ONE RING AND IS POSITIONED BY REACHING UNDER THE FLOOR OF THE TRAILER, INSERTING THE TIEDOWN FITTING UP THROUGH THE HOLE AND ROTATING IT INTO POSITION (NOTE THAT THIS REMOVABLE TIEDOWN FITTING IS ALSO USED ON THE M107 SEMITRAILER). THERE ARE TEN OF THESE TIEDOWN FITTINGS ON EACH SIDE OF THE M87 SEMITRAILER. TYPE II IS A REMOVABLE TIEDOWN FITTING THAT HAS TWO RINGS AND IS POSITIONED BY DEPRESSING A SPRING LOCK LEVER AND INSERTING THE TIEDOWN FITTING INTO A 1-3/4" DIAMETER HOLE FROM THE TOP. ASSURE THAT THE TIEDOWN FITTING IS FIRMLY SEATED AND ROTATED SO THE SPRING LOCK LEVER IS POINTING AWAY FROM THE DIRECTION OF PULL ON THE ATTACHED WEB STRAP TIEDOWN ASSEMBLY. THERE ARE TEN OF THESE TIEDOWN FITTINGS ON EACH SIDE OF THE M87 SEMITRAILER. TYPE III IS A FIXED TIEDOWN FITTING THAT HAS ONE RING AND IS RECESSED INTO THE FLOOR. THERE ARE FIVE OF THESE TIEDOWN FITTINGS ON EACH SIDE OF THE M87 SEMITRAILER. NO TYPE I TIEDOWN FITTINGS ARE REQUIRED FOR THE LOADS SHOWN ON PAGES 16 AND 17. HOWEVER, TYPE I TIEDOWN FITTINGS MAY BE USED, IF AVAILABLE, WHEN THERE IS AN INSUFFICIENT QUANTITY OF TYPE II TIEDOWN FITTINGS TO SECURE THE LOAD. SEE "TIEDOWN ANCHOR DETAILS" ON PAGE 58.
11. THE M107 SEMITRAILER IS EQUIPPED WITH TWO DIFFERENT TYPES OF TIEDOWN FITTINGS AS INDICATED ON PAGES 18 AND 19. TYPE I IS A REMOVABLE TIEDOWN FITTING THAT HAS ONE RING AND IS POSITIONED BY REACHING UNDER THE FLOOR OF THE TRAILER, INSERTING THE TIEDOWN FITTING UP THROUGH THE HOLE AND ROTATING IT INTO POSITION (NOTE THAT THIS REMOVABLE TIEDOWN FITTING MAY ALSO BE USED ON THE M87 SEMITRAILER). THERE ARE TWENTY-EIGHT OF THESE TIEDOWN FITTINGS ON EACH SIDE OF THE M107 SEMITRAILER. HOWEVER, THE QUANTITY AND LOCATION MAY VARY ON SOME M107 SEMITRAILERS. THE SECOND TYPE OF TIEDOWN FITTING IS THE "TEE-HOOK". THIS IS A REMOVABLE TIEDOWN FITTING EQUIPPED WITH ONE ELONGATED RING AND IS POSITIONED BY INSERTING IT INTO ONE OF THE ELONGATED SLOTTED HOLES WHICH ARE AT A 45° ANGLE TO THE SIDE OF THE TRAILER. THERE ARE FIVE OF THESE TIEDOWN FITTINGS ON EACH SIDE OF THE M107 SEMITRAILER. HOWEVER, THE QUANTITY AND LOCATION MAY VARY ON SOME M107 SEMITRAILERS. ASSURE THAT THE TIEDOWN FITTING IS FIRMLY SEATED AND ROTATED APPROXIMATELY 45° TO ENGAGED POSITION BEFORE ATTACHING THE WEB STRAP TIEDOWN ASSEMBLY. SEE "TIEDOWN ANCHOR DETAILS" ON PAGE 58.

(CONTINUED AT RIGHT)

(SPECIAL NOTE CONTINUED)

12. WHEN LOADING MAXIMUM LOADS ON SEMITRAILERS, AS SHOWN ON PAGES 14 THROUGH 19, THE LOAD MUST BE DIVIDED IN ORDER TO DISTRIBUTE THE WEIGHT ON THE "KING PIN" AND/OR THE "REAR AXLES" OF THE SEMITRAILER. DO NOT POSITION PALLETS WITHIN FIVE FEET OF THE AFT END OF THE SEMITRAILER, IF POSSIBLE, AS THIS IS THE ROUGHEST RIDING AREA ON THE SEMITRAILER DUE TO REAR OVERHANG.
13. IF A SEMITRAILER, STAKE, 12-TON, M107, IS TO BE USED, AND IT IS NOT EQUIPPED WITH TIEDOWN ANCHORS, SEE GENERAL NOTE "C" ON PAGE 2 AND "NOTE 6" ON PAGE 58.
14. THE PROCEDURES SHOWN ON PAGES 14 THROUGH 19 ARE FOR USE ON SEMITRAILERS HAVING REMOVABLE SIDE RACKS/PANELS, AND/OR SEMITRAILERS THAT HAVE BEEN MODIFIED WITH "DROP-SIDES".



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A MAXIMUM LOAD OF THREE PALLETZED UNITS, 1-1/2-TON, M332, HAVING INSIDE DIMENSIONS OF 68-1/2" LONG BY 55-3/8" WIDE, IF LOADING ONE OR TWO PALLETZED UNITS, POSITION AGAINST END WALL, CENTER ACROSS VEHICLE WIDTH, AND USE SAME TIEDOWN PROCEDURES.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDEWALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD.
3. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. IF DESIRED, ONE PALLET MAY BE POSITIONED AGAINST ONE END WALL, AND ONE OR TWO PALLETZED UNITS MAY BE POSITIONED AGAINST THE OPPOSITE END WALL, SECURE AS SHOWN IN THE 8" SLP LOAD AT THE BOTTOM OF THIS PAGE.

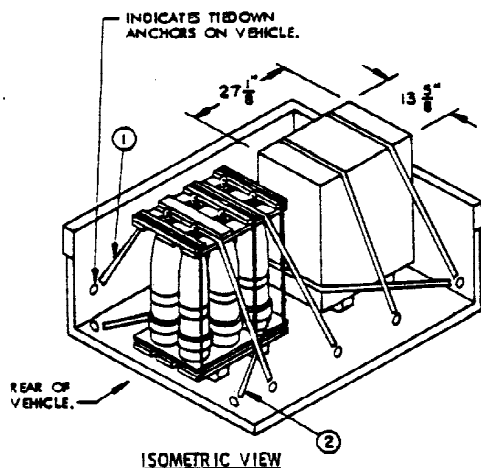
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF PALLETZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, AROUND THE PALLETZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLETZED 155MM SLP	3	2,391 LBS

PALLETIZED 155MM SLP LOADED IN A TRAILER, AMMUNITION, 1-1/2-TON, M332



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A MAXIMUM LOAD OF TWO PALLETZED UNITS, 1-1/2-TON, M332, HAVING INSIDE DIMENSIONS OF 68-1/2" LONG BY 55-3/8" WIDE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDEWALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD.

(CONTINUED AT RIGHT)

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (4 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF PALLETZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, AROUND THE PALLETZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.

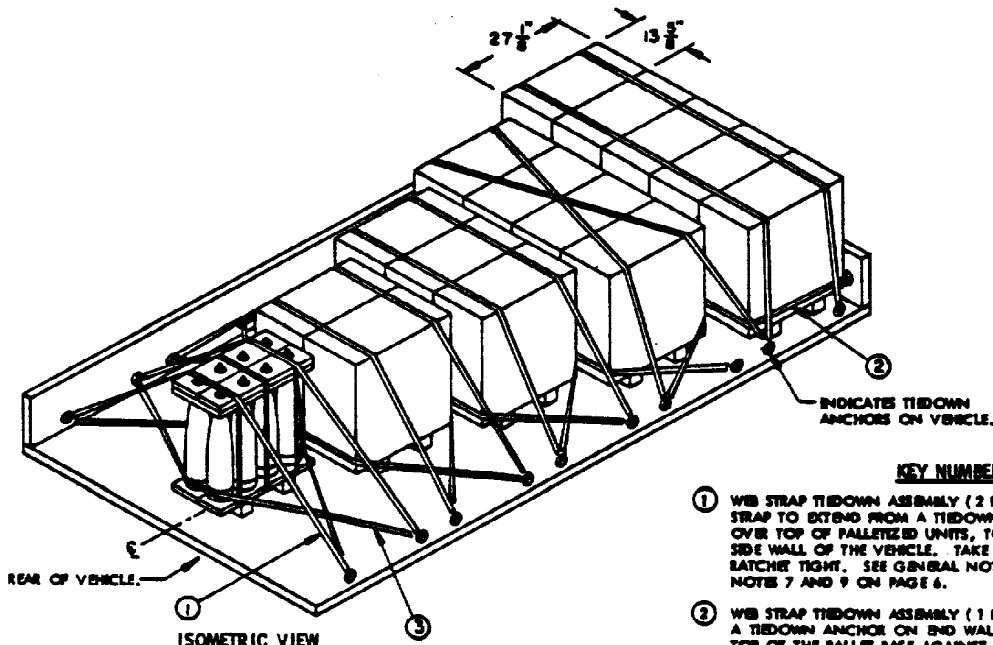
(LOAD GUIDANCE NOTES CONTINUED)

3. A TOTAL OF SIX WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. IF DESIRED, BOTH PALLETZED UNITS MAY BE POSITIONED SIDE-BY-SIDE, AGAINST ONE END WALL, AND SECURED AS SHOWN IN THE 155MM SLP LOAD AT THE TOP OF THIS PAGE.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLETZED 8" SLP	2	2,506 LBS

PALLETIZED 8" SLP LOADED IN A TRAILER, AMMUNITION, 1-1/2-TON, M332



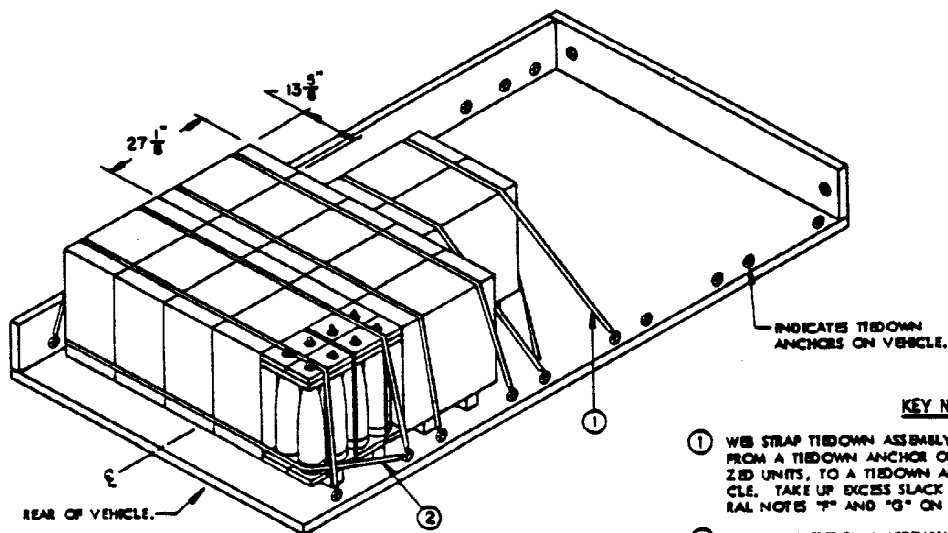
ISOMETRIC VIEW

LOAD GUIDANCE NOTE:

1. A LOAD OF FIFTEEN PALLETS OF 155MM SLP IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 148" LONG BY 86" WIDE. SEE NOTE 3 BELOW.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDE WALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE NOTE 4 BELOW.
3. THE LOAD SHOWN DEPICTS PROCEDURES FOR SECURING ONE THROUGH FIVE PALLETS OF 155MM SLP PER ROW, IN/ON TACTICAL VEHICLES. WHEN TRANSPORTING MORE THAN FIVE PALLETS USE THE PROCEDURES SHOWN ON PAGE 9 AND ADJUST THE QUANTITY OF PALLETS IN EACH ROW AS DESIRED.
4. THE PROCEDURES SHOWN ABOVE MAY ALSO BE USED ON SEMITRAILERS AND/OR CARGO TRUCKS, WHICH HAVE TIEDOWN ANCHORS LOCATED ON THE FLOOR.
5. **NOTE:** THE LOAD DEPICTED ABOVE IS FURNISHED TO PROVIDE TYPICAL TIEDOWN METHODOLOGY FOR LATERAL STACKS CONTAINING ONE THROUGH FIVE PALLET UNITS. DEPENDING UPON THE SLP PALLET UNIT WEIGHT, THE QUANTITY DEPICTED ABOVE MAY HAVE TO BE REDUCED TO COMPLY WITH VEHICLE MAXIMUM LOAD WEIGHT CRITERIA.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 RIGID PER EACH ROW). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "T" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 RIGID). INSTALL STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, AROUND THE PALLETS, ON TOP OF THE PALLET BASE AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE END WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "T" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 RIGID PER EACH ROW). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, AROUND THE PALLET (S) ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. CROSS STRAPS AS SHOWN. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "T" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

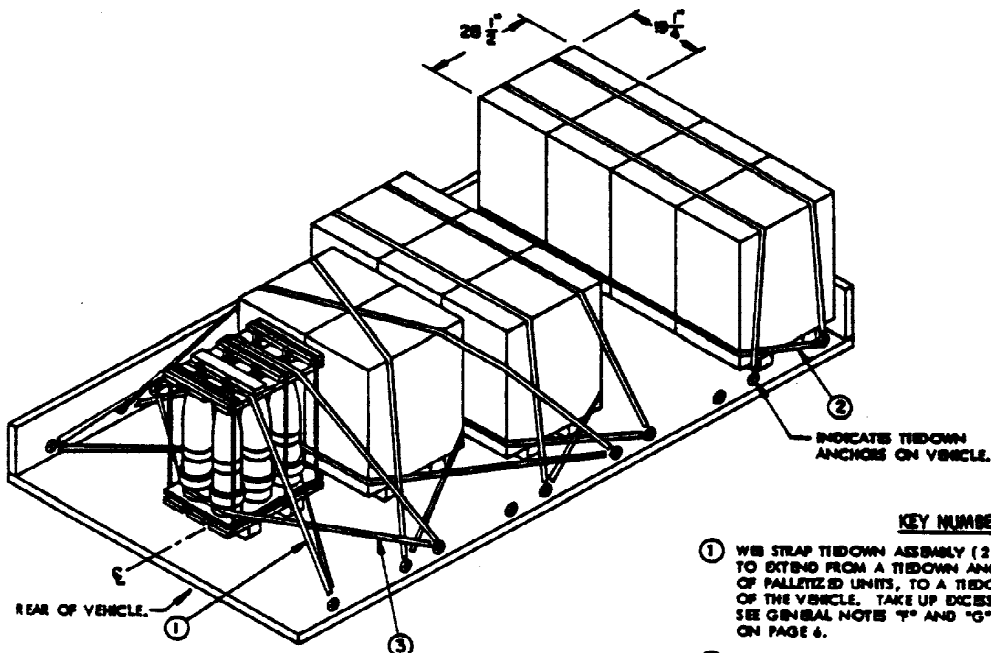
1. A MAXIMUM LOAD OF TWELVE PALLETIS OF 155MM SLP IS SHOWN IN A TRUCK, CARGO, 5-TON, M56, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSER QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 8 FOR GUIDANCE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDEWALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE NOTE 3 BELOW.
3. A TOTAL OF EIGHT WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE. ALSO, THE QUANTITY OF PALLETIS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE THREE ROWS OF FOUR PALLETIS EACH OR FOUR ROWS OF THREE PALLETIS EACH. ALSO, IF DESIRED, THE LOAD MAY BE SPLIT WITH SOME PALLETIS POSITIONED AT THE FORWARD END AND SOME PALLETIS POSITIONED AT THE REAR END OF THE VEHICLE.
5. THE PROCEDURES SHOWN ABOVE MAY ALSO BE USED ON SEMITRAILERS AND/OR CARGO TRUCKS, WHICH HAVE TIEDOWN ANCHORS LOCATED ON THE FLOOR.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (6 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "T" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, AROUND THE PALLETIS ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "T" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.

LOAD AS SHOWN

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
PALLETIZED 155MM SLP	12	9,544 LBS



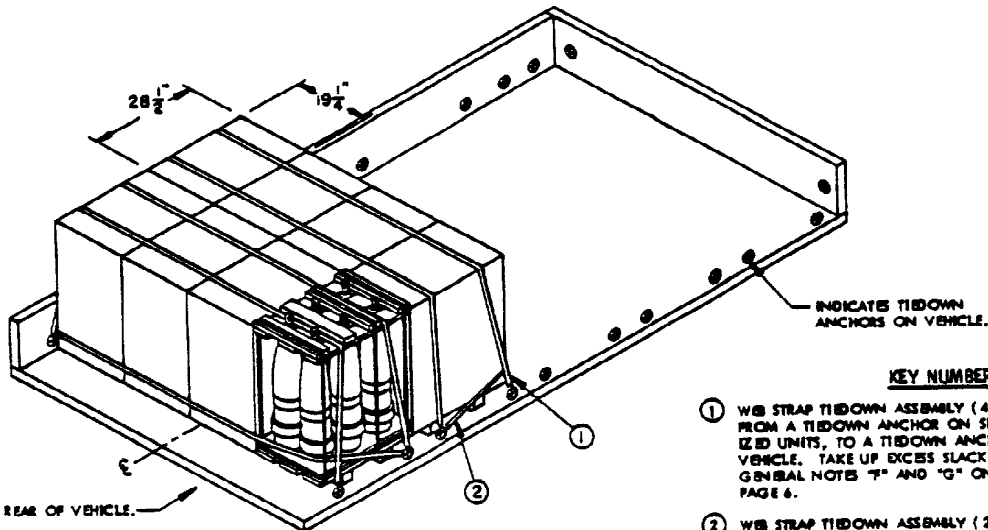
ISOMETRIC VIEW

LOAD GUIDANCE NOTE:

1. A LOAD OF FIFTEEN PALLETTS OF 8' SLP IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 28 1/2" LONG BY 8" WIDE. SEE NOTE 3 BELOW.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDE WALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE NOTE 4 BELOW.
3. THE LOAD SHOWN DEPICTS PROCEDURES FOR SECURING ONE THROUGH FOUR PALLETTS OF 8' SLP PER ROW, IN/ON TACTICAL VEHICLES. WHEN TRANSPORTING MORE THAN FOUR PALLETTS USE THE PROCEDURES SHOWN ON PAGE 11 AND ADJUST THE QUANTITY OF PALLETTS IN EACH ROW AS DESIRED.
4. THE PROCEDURES SHOWN ABOVE MAY ALSO BE USED ON SEMITRAILERS AND/OR CARGO TRUCKS, WHICH HAVE TIEDOWN ANCHORS LOCATED ON THE FLOOR.
5. NOTE: THE LOAD DEPICTED ABOVE IS FURNISHED TO PROVIDE TYPICAL TIEDOWN METHODOLOGY FOR LATERAL STACKS CONTAINING ONE THROUGH FIVE PALLET UNITS. DEPENDING UPON THE SLP PALLET UNIT WEIGHT, THE QUANTITY DEPICTED ABOVE MAY HAVE TO BE REDUCED TO COMPLY WITH VEHICLE MAXIMUM LOAD WEIGHT CRITERIA.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD PER EACH ROW). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, AROUND THE PALLET, ON TOP OF THE PALLET BASE AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE END WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REQD PER EACH ROW). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, AROUND THE PALLET (S) ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. CROSS STRAPS AS SHOWN. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

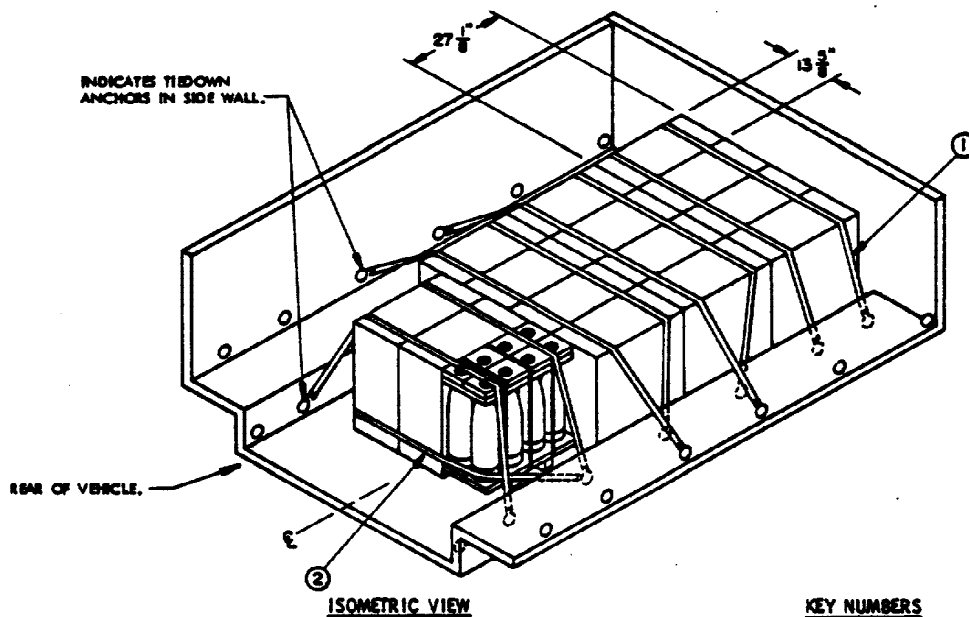
1. A MAXIMUM LOAD OF EIGHT PALLET'S OF 8' SLP IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSER QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 10 FOR GUIDANCE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDEWALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE NOTE 5 BELOW.
3. A TOTAL OF SIX WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE. ALSO, THE QUANTITY OF PALLET'S IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE THREE ROWS OF TWO PALLET'S EACH AND ONE ROW OF TWO PALLET'S OR FOUR ROWS OF TWO PALLET'S EACH. ALSO, IF DESIRED, THE LOAD MAY BE SPLIT WITH SOME PALLET'S POSITIONED AT THE REAR END OF THE VEHICLE.
5. THE PROCEDURES SHOWN ABOVE MAY ALSO BE USED ON SEMITRAILERS AND/OR CARGO TRUCKS, WHICH HAVE TIEDOWN ANCHORS LOCATED ON THE FLOOR.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (4 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, AROUND THE PALLET'S ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLETIZED 8' SLP	8	10,024 LBS



LOAD GUIDANCE NOTES:

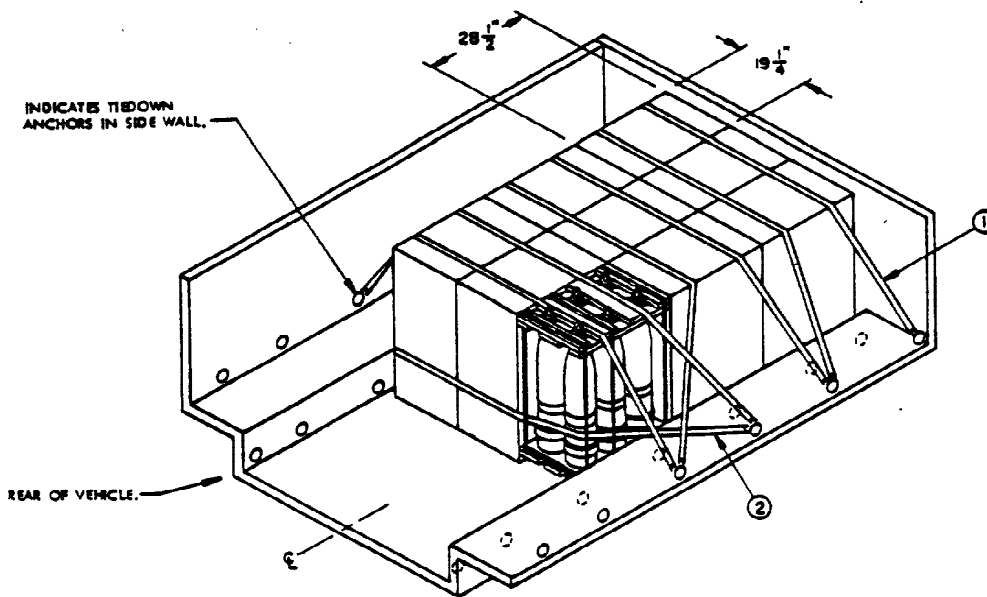
1. A MAXIMUM LOAD OF FIFTEEN PALLETS OF 15MM SLP IS SHOWN IN A CARRIER, CARGO, TRACKED, 6-TON, M548 (DECK DOWN), HAVING INSIDE DIMENSIONS OF 130-5/8" LONG BY 76-1/2" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSER QUANTITY, SEE THE PROCEDURES SHOWN ON PAGE 8 FOR GUIDANCE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDE WALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE NOTE 5 BELOW.
3. A TOTAL OF NINE WEB STRAP TIEDOWN ASSEMBLY ARE REQUIRED FOR THE LOAD SHOWN.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE. ALSO, THE QUANTITY OF PALLETS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE THREE ROWS OF FIVE PALLETS EACH OR FIVE ROWS OF THREE PALLETS EACH. ALSO, IF DESIRED, THE LOAD MAY BE SPLIT WITH SOME PALLETS POSITIONED AT THE FORWARD END AND SOME PALLETS POSITIONED AT THE REAR END OF THE VEHICLE.
5. THE PROCEDURES SHOWN ABOVE MAY ALSO BE USED ON SEMITRAILERS AND/OR CARGO TRUCKS, WHICH HAVE TIEDOWN ANCHORS LOCATED ON THE FLOOR.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (8 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, AROUND THE PALLETS ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLETIZED 15MM SLP	15	11,985 LBS



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A MAXIMUM LOAD OF NINE PALLETES OF 8' SLP IS SHOWN IN A CARRIER, CARGO, TRACKED, 6-TON, M548 (DECK DOWN), HAVING INSIDE DIMENSIONS OF 138-5/8" LONG BY 96-1/2" WIDE. SEE NOTE 4 BELOW. IF LOADING A LARGER QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 8 FOR GUIDANCE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDE WALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE NOTE 3 BELOW.
3. A TOTAL OF SEVEN WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE. ALSO, THE QUANTITY OF PALLETES IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE FOUR ROWS OF TWO PALLETES EACH. ALSO, IF DESIRED, THE LOAD MAY BE SPLIT WITH SOME PALLETES POSITIONED AT THE FORWARD END AND SOME PALLETES POSITIONED AT THE REAR END OF THE VEHICLE.
5. THE PROCEDURES SHOWN ABOVE MAY ALSO BE USED ON SEMITRAILERS AND/OR CARGO TRUCKS, WHICH HAVE TIEDOWN ANCHORS LOCATED ON THE FLOOR.

KEY NUMBERS

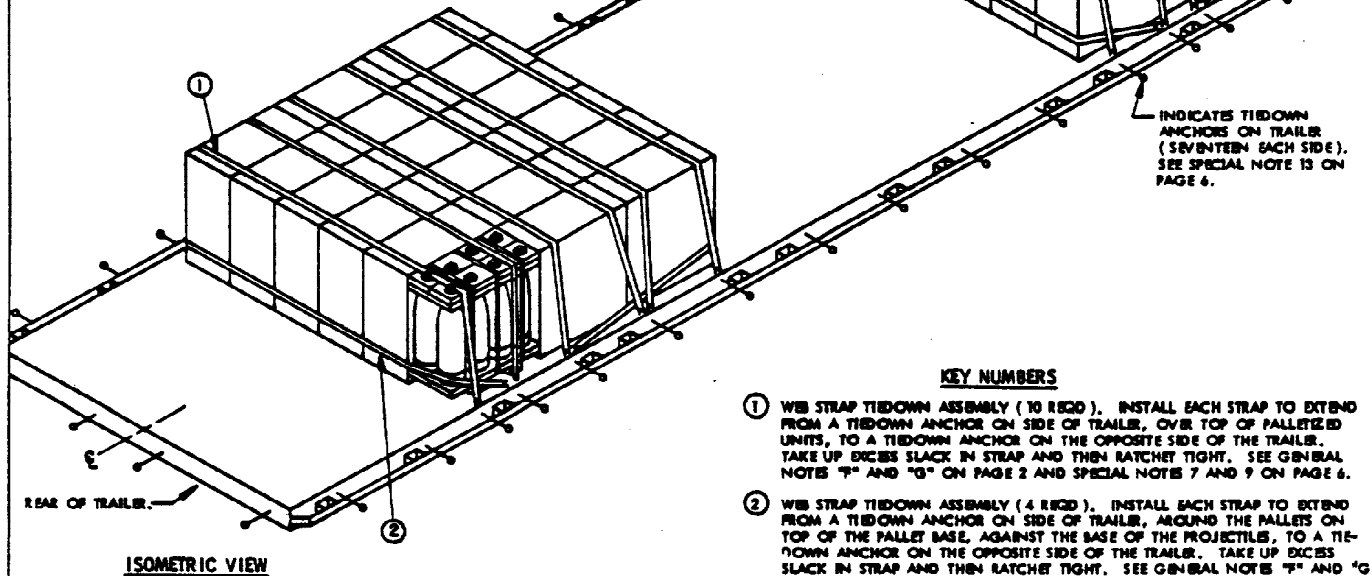
- ① WEB STRAP TIEDOWN ASSEMBLY (6 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE WALL OF VEHICLE, AROUND THE PERIPHERY OF THE PROJECTILES (THREAD WEB STRAP BETWEEN STEEL STRAPPING ON PALLETES AND PROJECTILES) SO WEB STRAP BEARS DIRECTLY AGAINST PROJECTILES AS SHOWN ABOVE), TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "J" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.

LOAD AS SHOWN

<u>ITEM</u>	<u>QUANTITY</u>	<u>WGHT (APPROX)</u>
PALLETIZED 8' SLP	9	11,277 LBS

LOAD GUIDANCE NOTE:

1. A MAXIMUM LOAD OF THIRTY PALLETS OF 155MM SLP IS SHOWN ON A SEMI-TRAILER, STAKE, 12-TON, M127, HAVING DIMENSIONS OF 338" LONG BY 94" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSE QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 8 FOR GUIDANCE.
2. THE TRAILER SHOWN WAS SELECTED AS TYPICAL ONLY, AND TRAILERS OF OTHER DIMENSIONS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ALONG THE SIDE MAY BE USED FOR A FULL OR PARTIAL LOAD.
3. A TOTAL OF FOURTEEN WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE TRAILER. ALSO, THE QUANTITY OF PALLETS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE SIX ROWS OF FIVE PALLETS EACH OR FIVE ROWS OF FOUR PALLETS EACH AND TWO ROWS OF FIVE PALLETS EACH. SEE SPECIAL NOTE 12 ON PAGE 6.



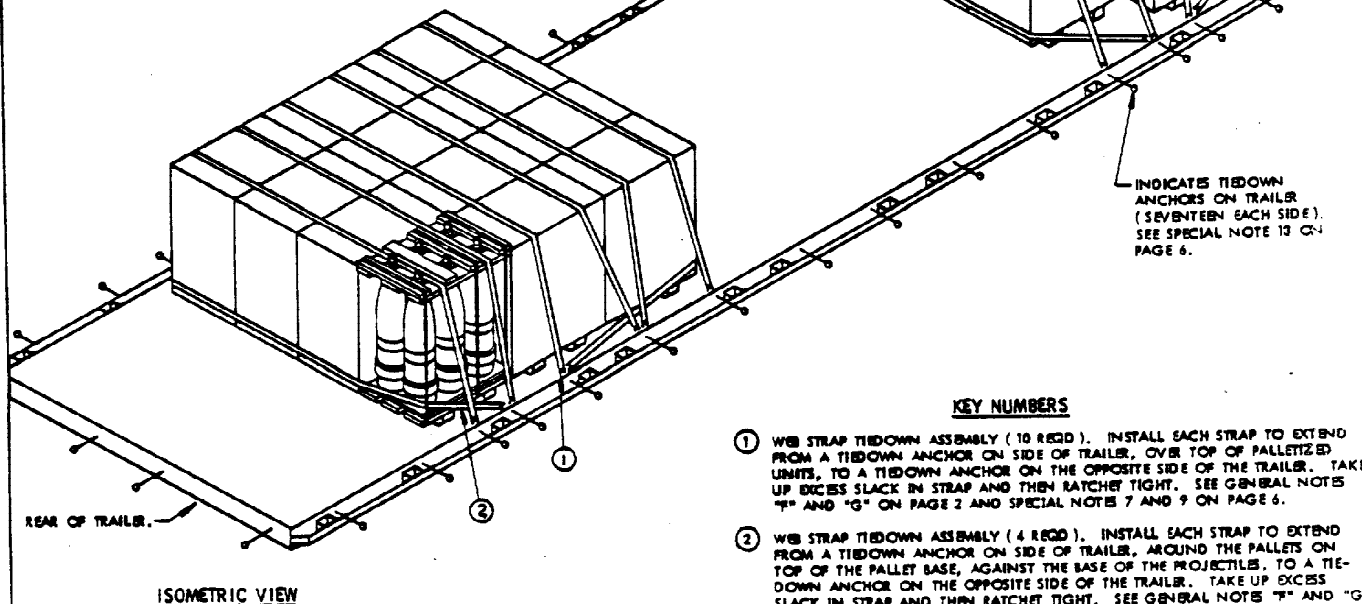
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (10 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (4 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, AROUND THE PALLETS ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.

LOAD AS SHOWN		
<u>ITRA</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
PALLETIZED 155MM SLP	30	23,970 LBS

LOAD GUIDANCE NOTE:

1. A MAXIMUM LOAD OF NINETEEN PALLETS OF 8' SLP IS SHOWN ON A SEMI-TRAILER, STAKE, 12-TON, M127, HAVING DIMENSIONS OF 338" LONG BY 96" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSE QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 10 FOR GUIDANCE.
2. THE TRAILER SHOWN WAS SELECTED AS TYPICAL ONLY, AND TRAILERS OF OTHER DIMENSIONS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ALONG THE SIDE MAY BE USED FOR A FULL OR PARTIAL LOAD.
3. A TOTAL OF FOURTEEN WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE TRAILER. ALSO, THE QUANTITY OF PALLETS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE FIVE ROWS OF THREE PALLETS EACH AND ONE ROW OF FOUR PALLETS OR EIGHT ROWS OF TWO PALLETS EACH AND ONE ROW OF THREE PALLETS. SEE SPECIAL NOTE 12 ON PAGE 6.



ISOMETRIC VIEW

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (10 REQ'D). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 7 AND 9 ON PAGE 6.
- ② WEB STRAP TIEDOWN ASSEMBLY (4 REQ'D). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, AROUND THE PALLETS ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTE 8 ON PAGE 6.

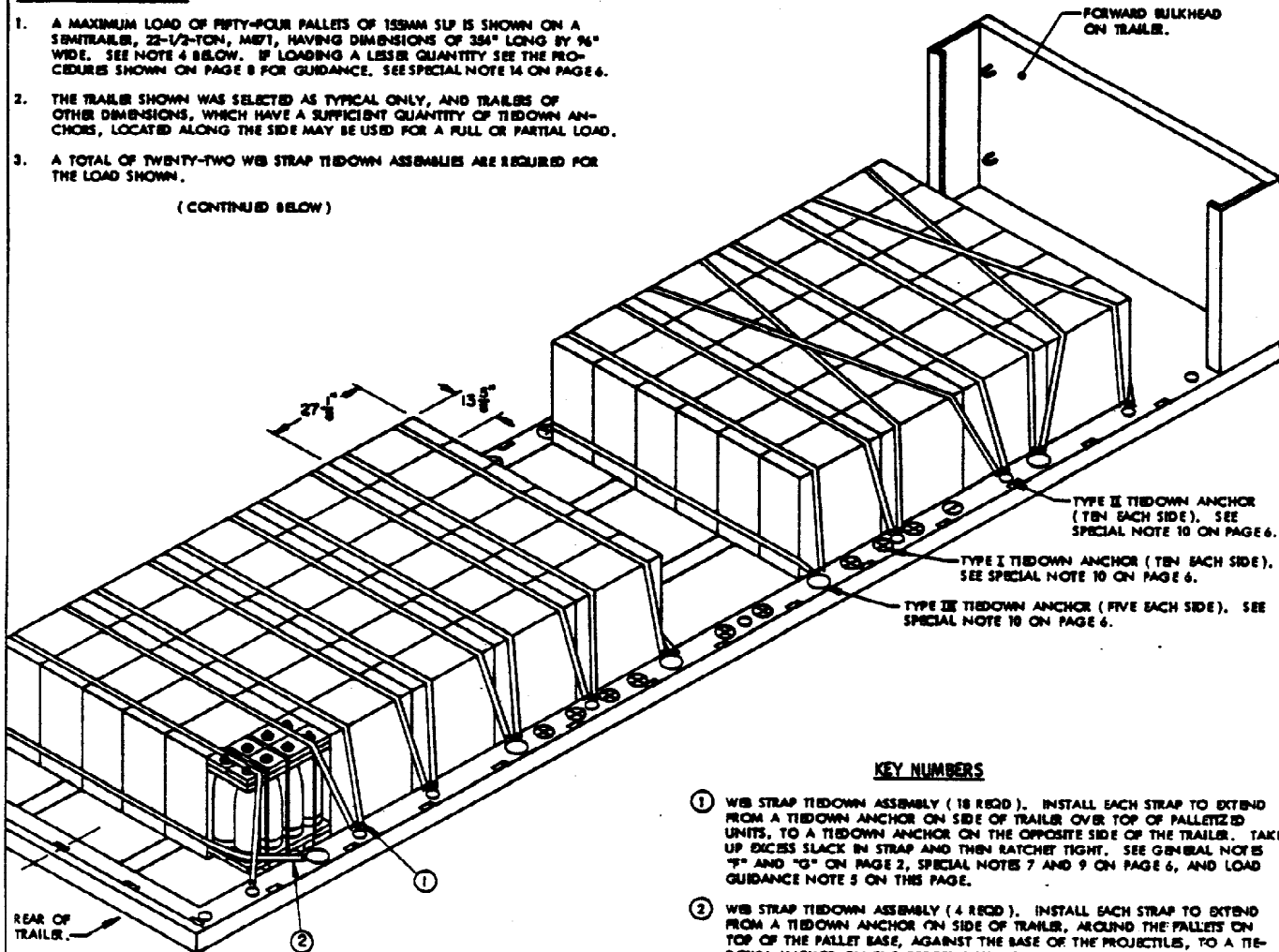
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLETIZED 8' SLP	19	23,807 LBS

LOAD GUIDANCE NOTE:

1. A MAXIMUM LOAD OF FIFTY-FOUR PALLETS OF 153MM SLP IS SHOWN ON A SEMITRAILER, 22-1/2-TON, M871, HAVING DIMENSIONS OF 384" LONG BY 96" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSER QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 8 FOR GUIDANCE. SEE SPECIAL NOTE 14 ON PAGE 6.
2. THE TRAILER SHOWN WAS SELECTED AS TYPICAL ONLY, AND TRAILERS OF OTHER DIMENSIONS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ALONG THE SIDE MAY BE USED FOR A FULL OR PARTIAL LOAD.
3. A TOTAL OF TWENTY-TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.

(CONTINUED BELOW)



ISOMETRIC VIEW

(LOAD GUIDANCE NOTES CONTINUED)

4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE TRAILER. ALSO, THE QUANTITY OF PALLETS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE TEN ROWS OF FIVE PALLETS EACH AND ONE ROW OF FOUR PALLETS. SEE SPECIAL NOTE 12 ON PAGE 6.
5. THIS TRAILER IS EQUIPPED WITH THREE DIFFERENT TYPES OF TIEDOWN ANCHORS AS INDICATED IN THE "ISOMETRIC VIEW" ON THIS PAGE. THE LOAD SHOWN ON THIS PAGE REQUIRES THE USE OF FOURTEEN TYPE II REMOVABLE TIEDOWN ANCHORS (SEVEN ON EACH SIDE OF THE TRAILER), AND TEN TYPE III FIXED TIEDOWN ANCHORS (FIVE ON EACH SIDE OF THE TRAILER). SEE SPECIAL NOTE 10 ON PAGE 6.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (18 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, SPECIAL NOTES 7 AND 9 ON PAGE 6, AND LOAD GUIDANCE NOTE 5 ON THIS PAGE.
- ② WEB STRAP TIEDOWN ASSEMBLY (4 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, AROUND THE PALLETS ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, SPECIAL NOTE 8 ON PAGE 6, AND LOAD GUIDANCE NOTE 5 ON THIS PAGE.

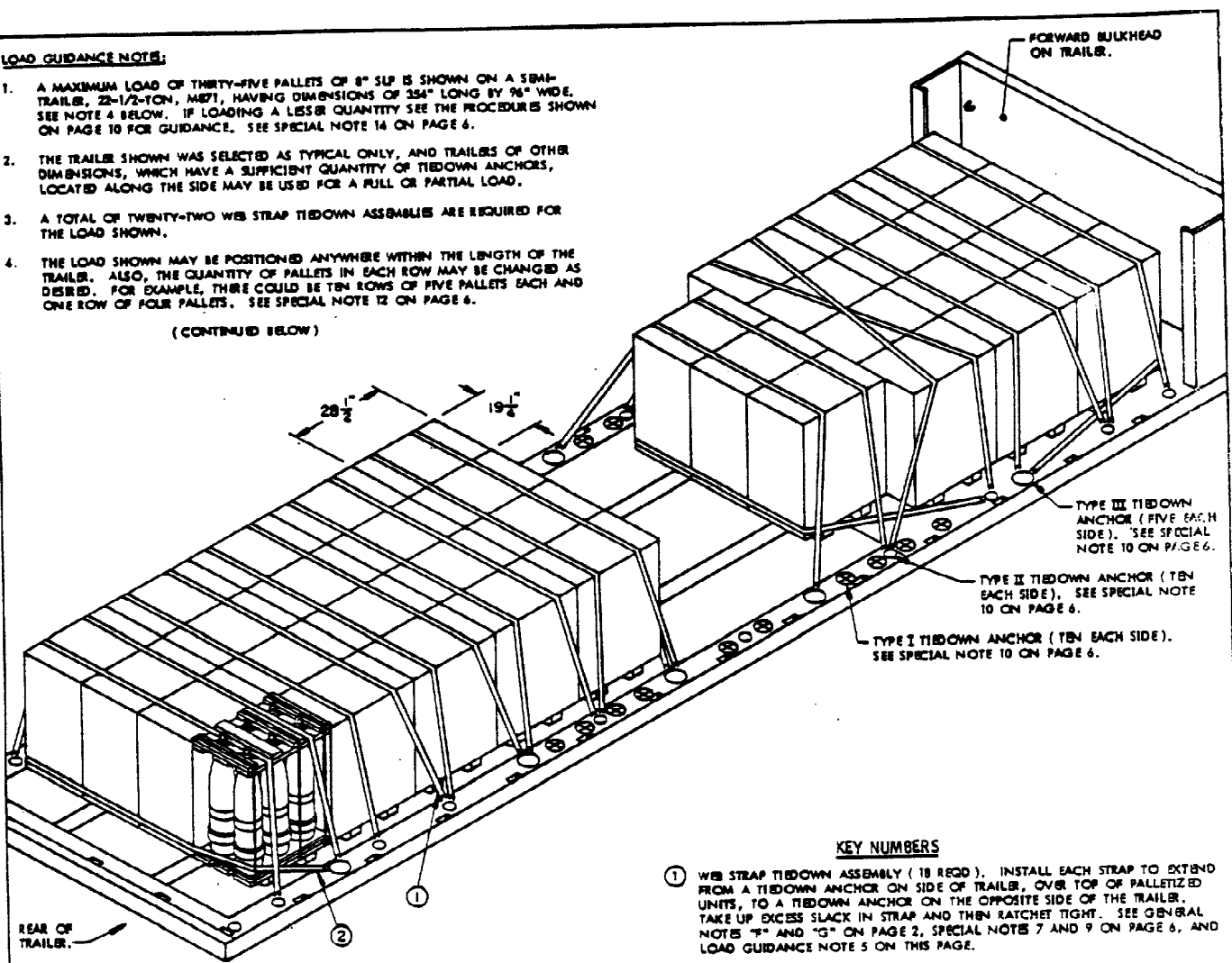
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLETIZED 153MM SLP	54	43,098 LBS

LOAD GUIDANCE NOTE:

1. A MAXIMUM LOAD OF THIRTY-FIVE PALLETS OF 8" SLP IS SHOWN ON A SEMI-TRAILER, 22-1/2-TON, M871, HAVING DIMENSIONS OF 354" LONG BY 96" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSER QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 10 FOR GUIDANCE. SEE SPECIAL NOTE 14 ON PAGE 6.
2. THE TRAILER SHOWN WAS SELECTED AS TYPICAL ONLY, AND TRAILERS OF OTHER DIMENSIONS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ALONG THE SIDE MAY BE USED FOR A FULL OR PARTIAL LOAD.
3. A TOTAL OF TWENTY-TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE TRAILER. ALSO, THE QUANTITY OF PALLETS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE TEN ROWS OF FIVE PALLETS EACH AND ONE ROW OF FOUR PALLETS. SEE SPECIAL NOTE 12 ON PAGE 6.

(CONTINUED BELOW)



ISOMETRIC VIEW

(LOAD GUIDANCE NOTES CONTINUED)

5. THIS TRAILER IS EQUIPPED WITH THREE DIFFERENT TYPES OF TIEDOWN ANCHORS AS INDICATED IN THE "ISOMETRIC VIEW" ON THIS PAGE. THE LOAD SHOWN ON THIS PAGE REQUIRES THE USE OF FOURTEEN TYPE II REMOVABLE TIEDOWN ANCHORS (SEVEN ON EACH SIDE OF THE TRAILER), AND TEN TYPE III FIXED TIEDOWN ANCHORS (FIVE ON EACH SIDE OF THE TRAILER). SEE SPECIAL NOTE 10 ON PAGE 6.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (18 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, SPECIAL NOTES 7 AND 9 ON PAGE 6, AND LOAD GUIDANCE NOTE 5 ON THIS PAGE.
- ② WEB STRAP TIEDOWN ASSEMBLY (4 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, AROUND THE PALLETS ON SIDE OF TRAILER, AROUND THE PALLETS ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, SPECIAL NOTE 8 ON PAGE 6, AND LOAD GUIDANCE NOTE 5 ON THIS PAGE.

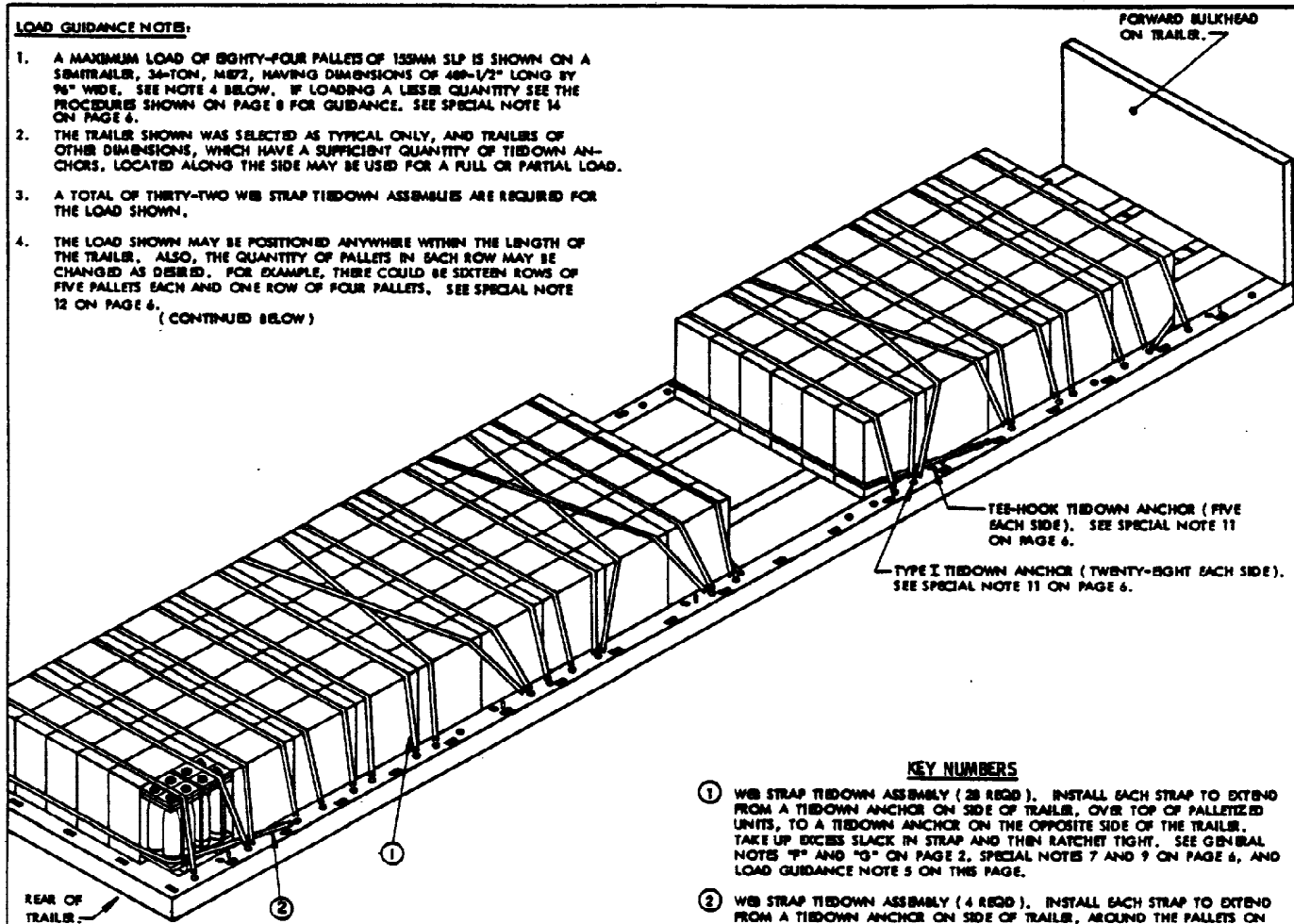
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLETIZED 8" SLP	35	41,855 LBS

LOAD GUIDANCE NOTE:

1. A MAXIMUM LOAD OF EIGHTY-FOUR PALLETS OF 153MM SLP IS SHOWN ON A SEMITRAILER, 34-TON, M872, HAVING DIMENSIONS OF 489-1/2" LONG BY 96" WIDE. SEE NOTE 4 BELOW. IF LOADING A LBSER QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 8 FOR GUIDANCE. SEE SPECIAL NOTE 14 ON PAGE 6.
2. THE TRAILER SHOWN WAS SELECTED AS TYPICAL ONLY, AND TRAILERS OF OTHER DIMENSIONS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ALONG THE SIDE MAY BE USED FOR A FULL OR PARTIAL LOAD.
3. A TOTAL OF THIRTY-TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE TRAILER. ALSO, THE QUANTITY OF PALLETS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE SIXTEEN ROWS OF FIVE PALLETS EACH AND ONE ROW OF FOUR PALLETS. SEE SPECIAL NOTE 12 ON PAGE 6.

(CONTINUED BELOW)



ISOMETRIC VIEW

(LOAD GUIDANCE NOTES CONTINUED)

5. THIS TRAILER IS EQUIPPED WITH TWO DIFFERENT TYPES OF TIEDOWN ANCHORS AS INDICATED IN THE "ISOMETRIC VIEW" ON THIS PAGE. THE LOAD SHOWN ON THIS PAGE REQUIRES THE USE OF FORTY-SIX TYPE I REMOVABLE TIEDOWN ANCHORS (TWENTY-THREE ON EACH SIDE OF THE TRAILER). SEE SPECIAL NOTE 11 ON PAGE 6.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (28 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, SPECIAL NOTES 7 AND 9 ON PAGE 6, AND LOAD GUIDANCE NOTE 5 ON THIS PAGE.
- ② WEB STRAP TIEDOWN ASSEMBLY (4 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, AROUND THE PALLETS ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, SPECIAL NOTE 8 ON PAGE 6, AND LOAD GUIDANCE NOTE 5 ON THIS PAGE.

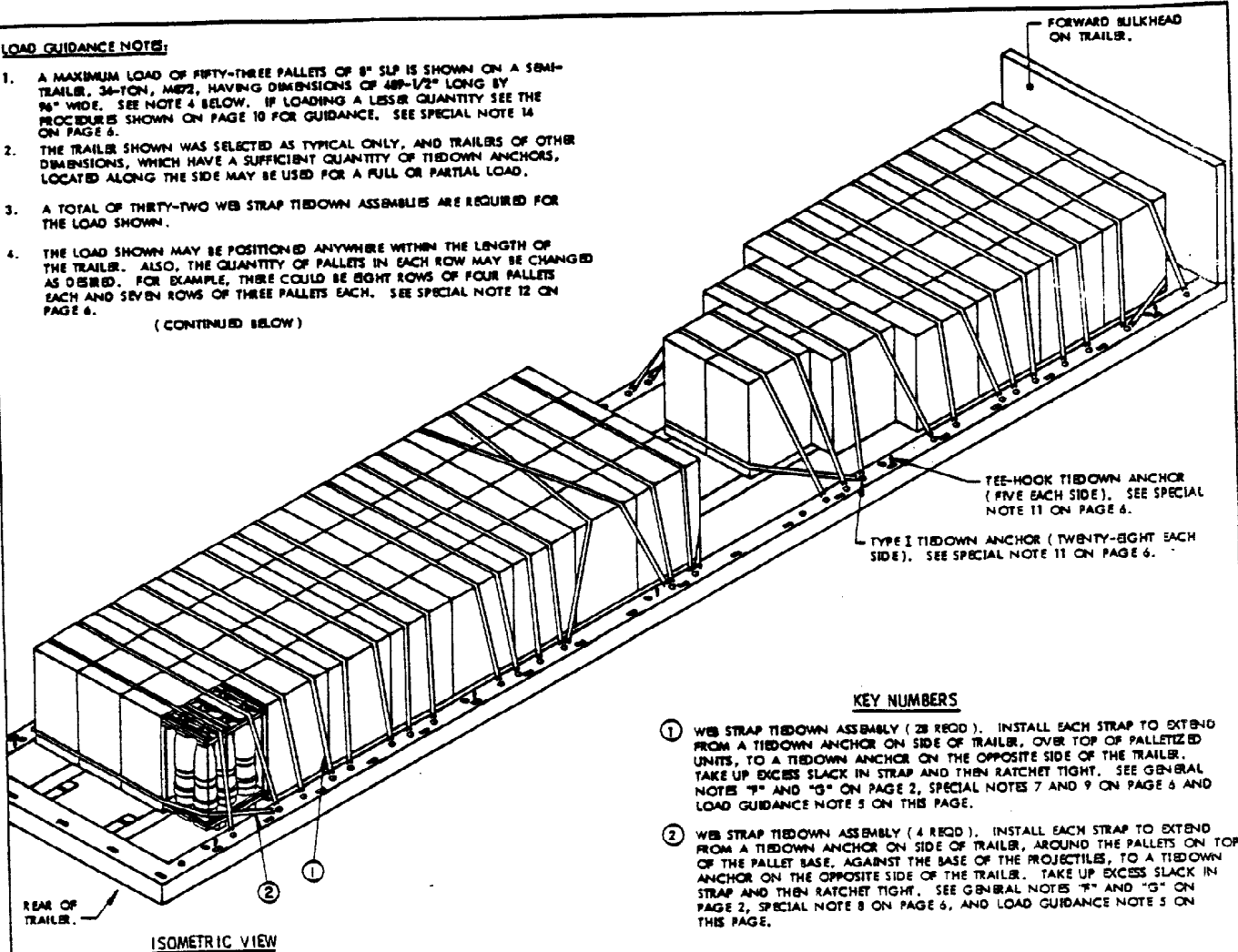
LOAD AS SHOWN

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
PALLETIZED 153MM SLP	84	66,948 LBS

LOAD GUIDANCE NOTE:

1. A MAXIMUM LOAD OF FIFTY-THREE PALLETS OF 8' SLP IS SHOWN ON A SEMI-TRAILER, 34-TON, M872, HAVING DIMENSIONS OF 48'-1/2" LONG BY 96" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSER QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 10 FOR GUIDANCE. SEE SPECIAL NOTE 1A ON PAGE 6.
2. THE TRAILER SHOWN WAS SELECTED AS TYPICAL ONLY, AND TRAILERS OF OTHER DIMENSIONS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ALONG THE SIDE MAY BE USED FOR A FULL OR PARTIAL LOAD.
3. A TOTAL OF THIRTY-TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE TRAILER. ALSO, THE QUANTITY OF PALLETS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE EIGHT ROWS OF FOUR PALLETS EACH AND SEVEN ROWS OF THREE PALLETS EACH. SEE SPECIAL NOTE 12 ON PAGE 6.

(CONTINUED BELOW)



ISOMETRIC VIEW

(LOAD GUIDANCE NOTE CONTINUED)

5. THIS TRAILER IS EQUIPPED WITH TWO DIFFERENT TYPES OF TIEDOWN ANCHORS AS INDICATED IN THE "ISOMETRIC VIEW" ON THIS PAGE. THE LOAD SHOWN ON THIS PAGE REQUIRES THE USE OF FIFTY-TWO TYPE I REMOVABLE TIEDOWN ANCHORS (TWENTY-SIX ON EACH SIDE OF THE TRAILER). SEE SPECIAL NOTE 11 ON PAGE 6.

KEY NUMBERS

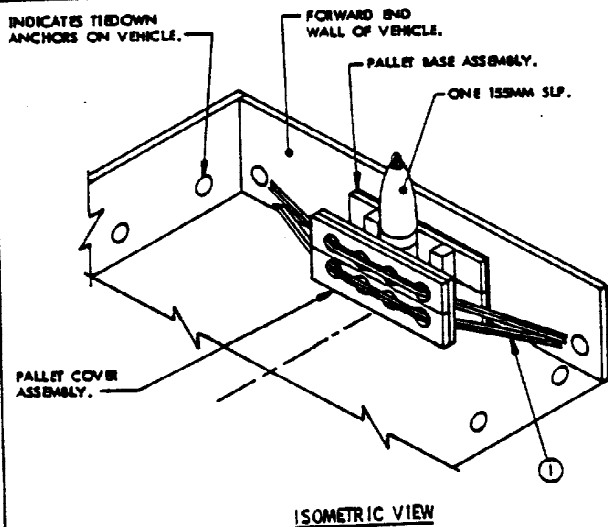
- ① WEB STRAP TIEDOWN ASSEMBLY (26 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, SPECIAL NOTES 7 AND 9 ON PAGE 6 AND LOAD GUIDANCE NOTE 5 ON THIS PAGE.
- ② WEB STRAP TIEDOWN ASSEMBLY (4 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF TRAILER, AROUND THE PALLETS ON TOP OF THE PALLET BASE, AGAINST THE BASE OF THE PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE TRAILER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, SPECIAL NOTE 8 ON PAGE 6, AND LOAD GUIDANCE NOTE 5 ON THIS PAGE.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
PALLETIZED 8' SLP	53	66,409 LBS

SPECIAL NOTES:

1. THE LOADS SHOWN ON PAGES 20 THROUGH 29 DEPICT TESTED METHODS OF SECURING "LOOSE" 155MM, AND 8", SEPARATE LOADING PROJECTILES IN/ON TACTICAL VEHICLES. FOR AN ALTERNATIVE METHOD OF TRANSPORTING "LOOSE" 155MM SLP SEE PAGES 44 THROUGH 57.
2. THE TERM "LOOSE" PROJECTILES REFERS TO PROJECTILES REMAINING AFTER THE STEEL UNITIZING STRAPS ON A PALLETIZED UNIT HAVE BEEN CUT AND THE PROJECTILES REMOVED FROM THE PALLET BASE AND COVER ASSEMBLY. SEE "LOADING, TIEDOWN, AND UNLOADING PROCEDURES" NOTE 8 ON PAGE 5.
3. 155MM AND 8" SEPARATE LOADING PROJECTILES ARE SHOWN AS TYPICAL. HOWEVER, THE METHODS SHOWN WILL APPLY TO ANY SEPARATE LOADING PROJECTILES.
4. THE TACTICAL VEHICLES SHOWN ARE TYPICAL ONLY AND OTHER TYPES OF VEHICLES MAY BE USED IN LIEU OF THOSE SHOWN AS LONG AS THEY COMPLY WITH GENERAL NOTE "C" ON PAGE 2.
5. EACH RE-ASSEMBLED PALLETIZED UNIT (S) POSITIONED ACROSS THE WIDTH OF THE VEHICLE, AS SHOWN ON PAGES 26 THROUGH 28, MUST BE SECURED LONGITUDINALLY WITH ONE STRAP AT EACH END, ATTACHED TO A TIEDOWN ANCHOR ON ONE SIDE OF THE VEHICLE AND POSITIONED AROUND THE PALLET SKID, TO A MATING TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE, AS SHOWN IN THE LOAD ON PAGE 26. THIS WILL PREVENT PULLING THE BASE OF THE PROJECTILES OUT OF THE SECUREMENT WELLS IN THE PALLET BASE ASSEMBLY.
6. WHEN LOADING ONE, TWO, AND/OR THREE LOOSE PROJECTILES AS SHOWN IN THE LOADS ON PAGES 21, 23, AND 24, DO NOT POSITION THE LOAD AGAINST THE TAILGATE, AS THIS COULD CAUSE DAMAGE TO VEHICLE AND/OR PROJECTILES IF TAILGATE SHOULD COME LOOSE DURING TRANSIT.
7. WHEN LOADING TWO AND/OR THREE LOOSE PROJECTILES AS SHOWN IN THE LOADS ON PAGES 22 AND 25, ASSURE THAT THE PROJECTILES REMAIN VERTICAL AND THE SKIDS ON THE PALLET BASE REMAIN FLAT AGAINST THE FLOOR OF THE VEHICLE WHILE TIGHTENING THE WEB STRAP TIEDOWN ASSEMBLIES.
8. THE PROCEDURES SHOWN ON PAGES 21 THROUGH 29 CAN BE USED IN/ON CARGO TRUCKS SUCH AS THE M54, 3-TON, AND CARGO TRAILERS SUCH AS THE M103, 1-1/2-TON, HAVING TIEDOWN ANCHORS LOCATED IN THE SIDE WALLS AND END WALLS. ALSO, THE PROCEDURES CAN BE USED ON SEMI-TRAILERS SUCH AS THE M87L 22-1/2-TON, AND CARGO TRUCK, SUCH AS THE M777, 10-TON, HEMTT, HAVING TIEDOWN ANCHORS LOCATED IN THE FLOOR.



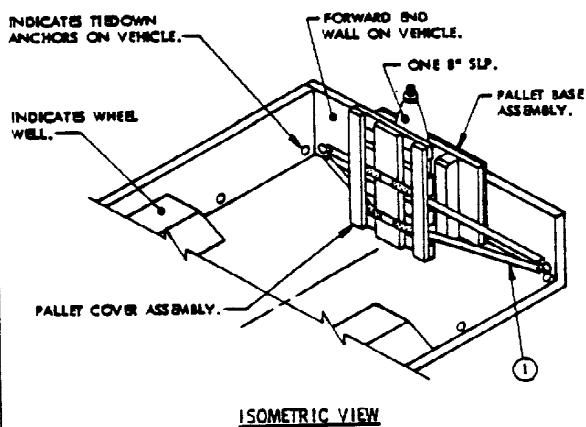
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, THROUGH HOLE ON NEAR END OF PALLET COVER ASSEMBLY, ACROSS AND THROUGH HOLE ON FAR END OF PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON END WALL OF VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

- ONE 155MM SLP IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. THE LOAD MAY BE POSITIONED AGAINST THE SIDE WALL, IF DESIRED. SEE SPECIAL NOTE 6 ON PAGE 20.
- THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILER, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE FORWARD END WALL AND/OR SIDE WALLS MAY BE USED.
- A TOTAL OF TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
- FOR AN ALTERNATIVE METHOD OF SECURING ONE 155MM SLP SEE PAGE 29.
- THE NEED TO SECURE ONE PROJECTILE, AS SHOWN AT LEFT, CAN SOMETIMES BE AVOIDED BY USING THE PROCEDURES SHOWN ON PAGE 28, WHICH DIVIDES NINE LOOSE PROJECTILES INTO TWO RE-ASSEMBLED PALLETIZED UNITS, IN LIEU OF HAVING EIGHT LOOSE PROJECTILES IN ONE RE-ASSEMBLED PALLETIZED UNIT AND ONE LOOSE PROJECTILE BY ITSELF.

SECUREMENT OF ONE, 155MM SLP, LOOSE ROUND



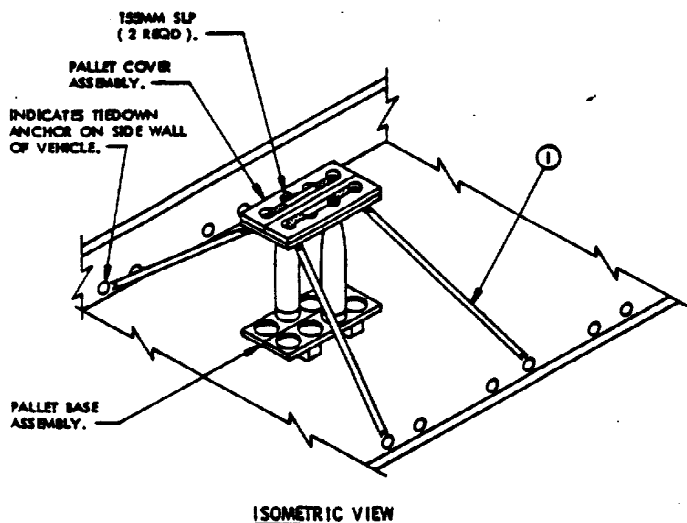
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, THROUGH HOLE ON NEAR SIDE OF PALLET COVER ASSEMBLY, ACROSS AND THROUGH HOLE ON FAR SIDE OF PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON END WALL OF VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

- ONE 8" SLP IS SHOWN IN A TRAILER, CARGO, 1-1/2-TON, M105, HAVING INSIDE DIMENSIONS OF 110" LONG BY 74" WIDE. IF LOADING IN A TRUCK, THE LOAD MAY BE POSITIONED AGAINST THE SIDE WALL, IF DESIRED. SEE SPECIAL NOTE 6 ON PAGE 20.
- THE TRAILER SHOWN WAS SELECTED AS TYPICAL ONLY, AND TRAILERS OF OTHER DIMENSIONS, AND OR TRUCKS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE FORWARD END WALL AND/OR SIDE WALLS, MAY BE USED.
- A TOTAL OF TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
- FOR AN ALTERNATIVE METHOD OF SECURING ONE 8" SLP SEE PAGE 29.
- THE NEED TO SECURE ONE PROJECTILE, AS SHOWN AT LEFT, CAN SOMETIMES BE AVOIDED BY USING THE PROCEDURES SHOWN ON PAGE 27, WHICH DIVIDES SEVEN LOOSE PROJECTILES INTO TWO RE-ASSEMBLED PALLETIZED UNITS, IN LIEU OF HAVING SIX LOOSE PROJECTILES IN ONE RE-ASSEMBLED PALLETIZED UNIT AND ONE LOOSE PROJECTILE BY ITSELF.

SECUREMENT OF ONE, 8" SLP, LOOSE ROUND



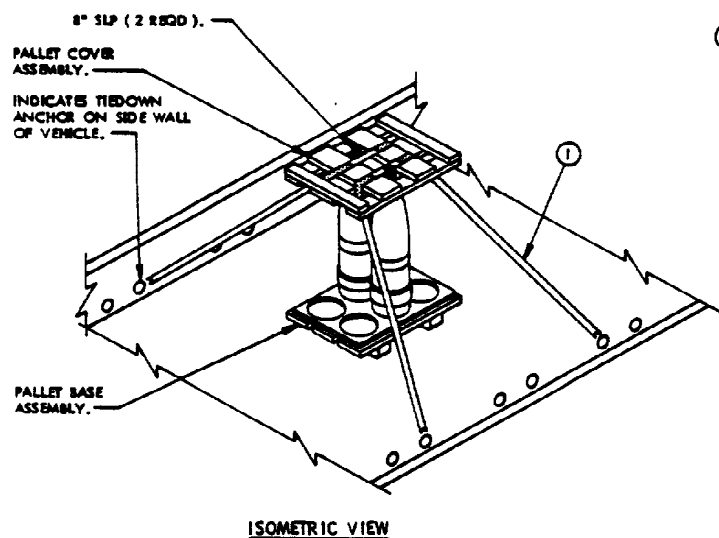
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, UP THROUGH A HOLE IN ONE END OF THE PALLET COVER ASSEMBLY, PASS BEHIND THE PROJECTILE, DOWN THROUGH A HOLE IN THE OPPOSITE END OF THE PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON THE SAME SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAPS THEN RATCHET BOTH STRAPS TIGHT AT THE SAME TIME. SEE GENERAL NOTES "7" AND "9" ON PAGE 2.

LOAD GUIDANCE NOTES:

1. TWO 15MM SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 148" LONG BY 88" WIDE. SEE SPECIAL NOTE 7 ON PAGE 20.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDE WALLS AND/OR FLOOR MAY BE USED.
3. A TOTAL OF TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING TWO 15MM SLP SEE PAGE 23.

SECUREMENT OF TWO, 15MM SLP, LOOSE ROUNDS

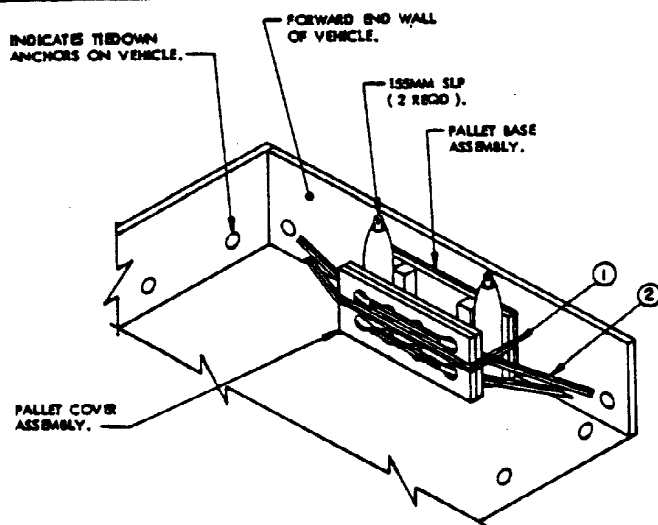


KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, UP THROUGH A HOLE IN ONE END OF THE PALLET COVER ASSEMBLY, THROUGH A HOLE IN THE OPPOSITE END OF THE PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON THE SAME SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAPS THEN RATCHET BOTH STRAPS TIGHT AT THE SAME TIME. SEE GENERAL NOTES "7" AND "9" ON PAGE 2.

LOAD GUIDANCE NOTES:

1. TWO 8" SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 148" LONG BY 88" WIDE. SEE SPECIAL NOTE 7 ON PAGE 20.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDE WALL AND/OR FLOOR MAY BE USED.
3. A TOTAL OF TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING TWO 15MM SLP SEE PAGE 23.



ISOMETRIC VIEW

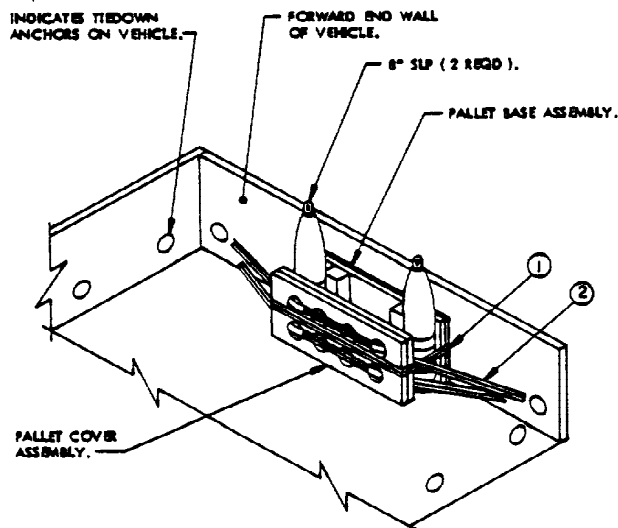
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL STRAP TO ENIRCLE PALLET BASE ASSEMBLY AND PALLET COVER ASSEMBLY. HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. NOTE: POSITION STRAPS MARKED ② PRIOR TO RATCHETING STRAP MARKED ① TIGHT.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, THROUGH HOLE ON NEAR END OF PALLET COVER ASSEMBLY, ACROSS AND THROUGH HOLE ON FAR END OF PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON END WALL OF VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

1. TWO 155MM SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. THE LOAD MAY BE POSITIONED AGAINST THE SIDE WALL, IF DESIRED. SEE SPECIAL NOTE 6 ON PAGE 20.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE FORWARD END WALL AND/OR SIDE WALLS, MAY BE USED.
3. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING TWO 155MM SLP SEE PAGE 22.

SECUREMENT OF TWO, 155MM SLP, LOOSE ROUNDS



ISOMETRIC VIEW

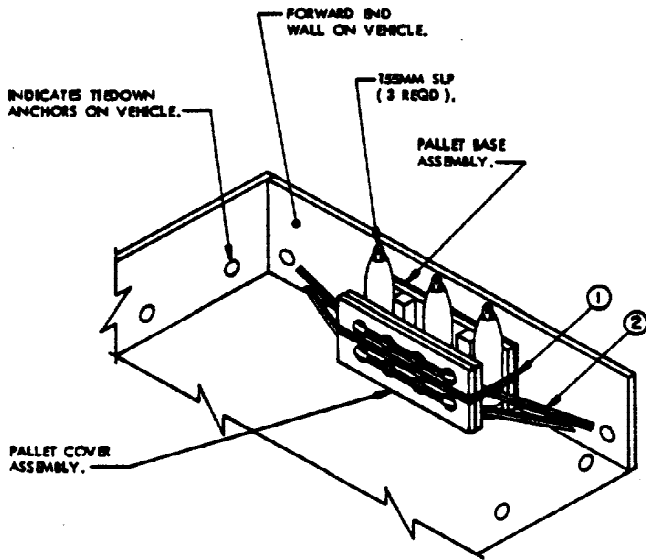
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL STRAP TO ENIRCLE PALLET BASE ASSEMBLY AND PALLET COVER ASSEMBLY. HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. NOTE: POSITION STRAPS MARKED ② PRIOR TO RATCHETING STRAP MARKED ① TIGHT.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, THROUGH HOLE ON NEAR END OF PALLET COVER ASSEMBLY, ACROSS AND THROUGH HOLE ON FAR END OF PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON END WALL OF VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

1. TWO 8" SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. THE LOAD MAY BE POSITIONED AGAINST THE SIDE WALL, IF DESIRED. SEE SPECIAL NOTE 6 ON PAGE 20.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE FORWARD END WALL AND/OR SIDE WALLS, MAY BE USED.
3. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING TWO 8" SLP SEE PAGE 22.

SECUREMENT OF TWO, 8" SLP LOOSE ROUNDS



ISOMETRIC VIEW

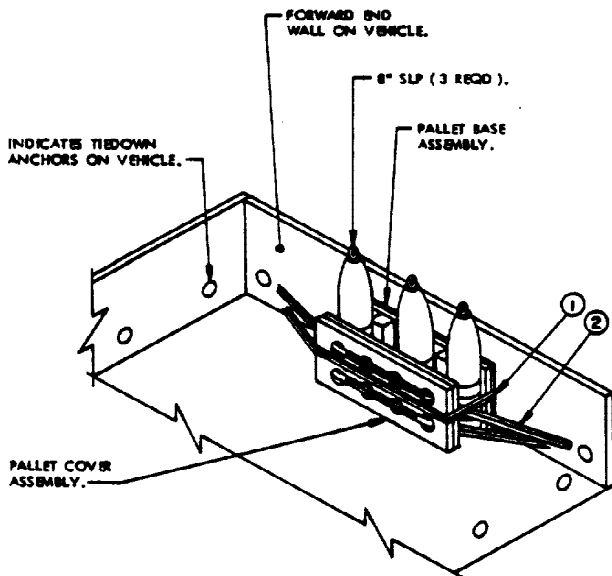
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (1 REQD.). INSTALL STRAP TO ENIRCLE PALLET BASE ASSEMBLY AND PALLET COVER ASSEMBLY. HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. NOTE: POSITION STRAPS MARKED ② PRIOR TO RATCHETING STRAP MARKED ① TIGHT.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD.). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, THROUGH HOLE ON NEAR END OF PALLET COVER ASSEMBLY, ACROSS AND THROUGH HOLE ON FAR END OF PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON END WALL OF VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

1. THREE 155MM SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. THE LOAD MAY BE POSITIONED AGAINST THE SIDE WALL, IF DESIRED. SEE SPECIAL NOTE 6 ON PAGE 20.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE FORWARD END WALL AND/OR SIDE WALLS, MAY BE USED.
3. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING THREE 155MM SLP SEE PAGE 25.

SECUREMENT OF THREE, 155MM SLP, LOOSE ROUNDS



ISOMETRIC VIEW

KEY NUMBERS

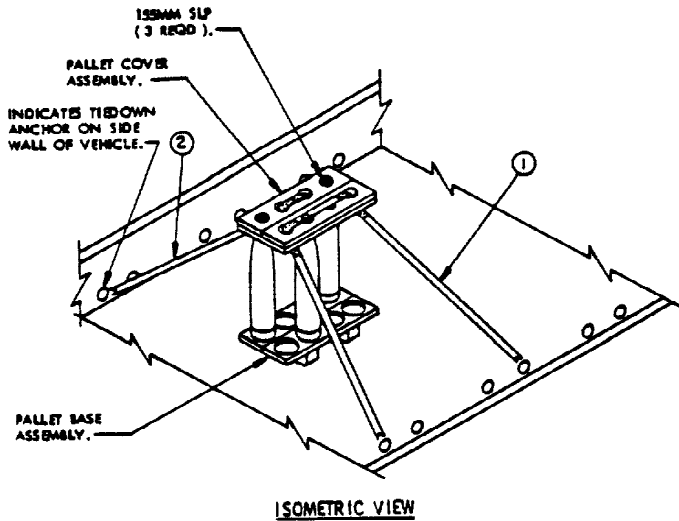
- ① WEB STRAP TIEDOWN ASSEMBLY (1 REQD.). INSTALL STRAP TO ENIRCLE PALLET BASE ASSEMBLY AND PALLET COVER ASSEMBLY. HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. NOTE: POSITION STRAPS MARKED ② PRIOR TO RATCHETING STRAP MARKED ① TIGHT.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD.). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON END WALL OF VEHICLE, THROUGH HOLE ON NEAR END OF PALLET COVER ASSEMBLY, ACROSS AND THROUGH HOLE ON FAR END OF PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON END WALL OF VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

1. THREE 8" SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. THE LOAD MAY BE POSITIONED AGAINST THE SIDE WALL, IF DESIRED. SEE SPECIAL NOTE 6 ON PAGE 20.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE FORWARD END WALL AND/OR SIDE WALL MAY BE USED.
3. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING THREE 8" SLP SEE PAGE 25.

SECUREMENT OF THREE, 8" SLP, LOOSE ROUNDS

KEY NUMBERS



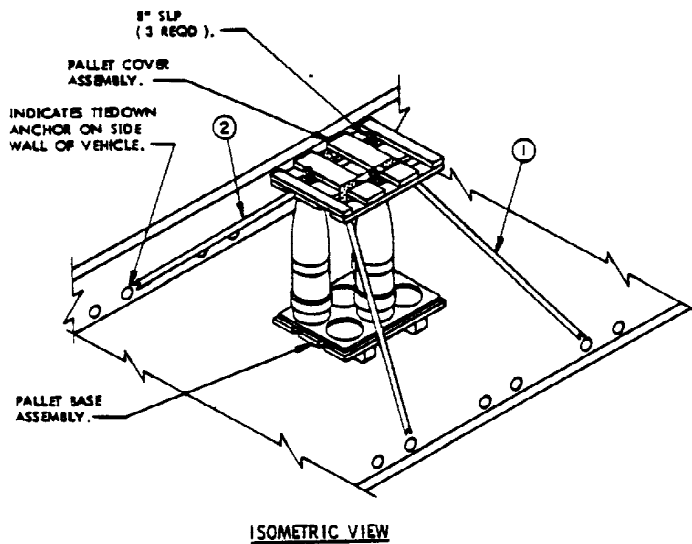
- ① WEB STRAP TIEDOWN ASSEMBLY (1 REGD). INSTALL STRAP FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, UP THROUGH A HOLE IN ONE END OF THE PALLET COVER ASSEMBLY, PASS BEHIND THE PROJECTILE, DOWN THROUGH A HOLE IN THE OPPOSITE END OF THE PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON THE SAME SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP BUT DO NOT RATCHET TIGHT UNTIL STRAP MARKED ② IS IN POSITION. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REGD). INSTALL STRAP FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, UP THROUGH A CENTER HOLE IN THE PALLET COVER ASSEMBLY, OVER AND DOWN THROUGH THE ADJACENT CENTER HOLE, TO A TIEDOWN ANCHOR ON THE SAME SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP THEN RATCHET STRAPS MARKED ① AND ② TIGHT, AT THE SAME TIME. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

1. THREE 155MM SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. SEE SPECIAL NOTE 7 ON PAGE 20.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDE WALLS AND/OR FLOOR, MAY BE USED.
3. A TOTAL OF TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING ONE 155MM SLP SEE PAGE 24.

SECUREMENT OF THREE, 155MM SLP, LOOSE ROUNDS

KEY NUMBERS

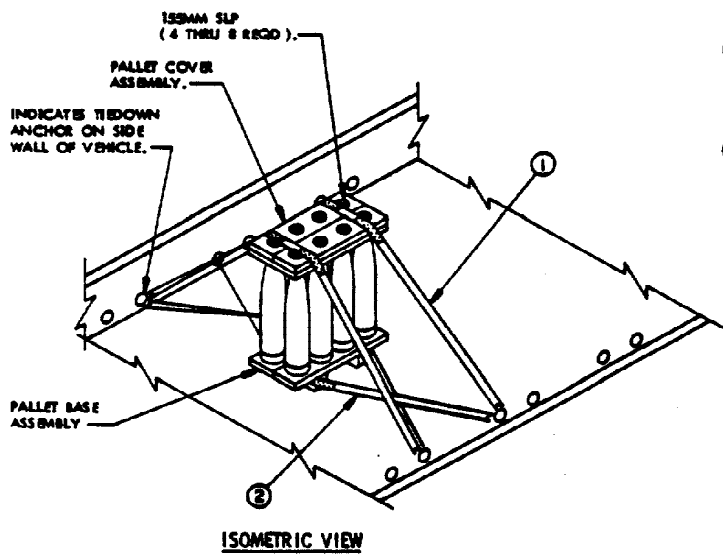


- ① WEB STRAP TIEDOWN ASSEMBLY (1 REGD). INSTALL STRAP FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, UP THROUGH A HOLE IN ONE END OF THE PALLET COVER ASSEMBLY, PASS BEHIND THE PROJECTILE, DOWN THROUGH A HOLE IN THE OPPOSITE END OF THE PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON THE SAME SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP BUT DO NOT RATCHET TIGHT UNTIL STRAP MARKED ② IS IN POSITION. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REGD). INSTALL STRAP FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, UP THROUGH A CENTER HOLE IN THE PALLET COVER ASSEMBLY AND DOWN TO A TIEDOWN ANCHOR ON THE SAME SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP THEN RATCHET STRAPS MARKED ① AND ② TIGHT, AT THE SAME TIME. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

1. THREE 8" SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. SEE SPECIAL NOTE 7 ON PAGE 20.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDE WALLS AND/OR FLOOR, MAY BE USED.
3. A TOTAL OF TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING ONE 155MM SLP SEE PAGE 24.

SECUREMENT OF THREE, 8" SLP, LOOSE ROUNDS



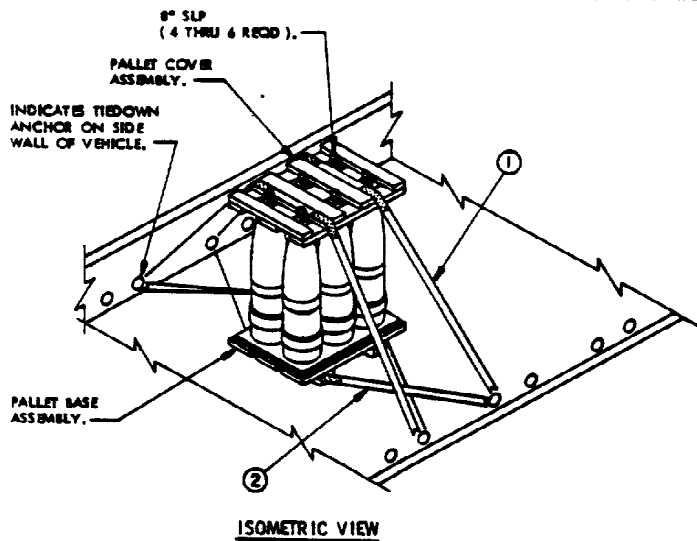
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQ). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQ). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND THE PALLET SKID, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE, CROSS STRAPS AS SHOWN. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, AND SPECIAL NOTE 5 ON PAGE 20.

LOAD GUIDANCE NOTE:

1. EIGHT 158MM SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 148" LONG BY 88" WIDE. IF ONLY FOUR PROJECTILES ARE TO BE LOADED POSITION ONE AT EACH CORNER OF THE RE-ASSEMBLED PALLETIZED UNIT.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDE AND/OR FLOOR MAY BE USED.
3. A TOTAL OF FOUR WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.

SECUREMENT OF FOUR THROUGH EIGHT 158MM SLP LOOSE ROUNDS

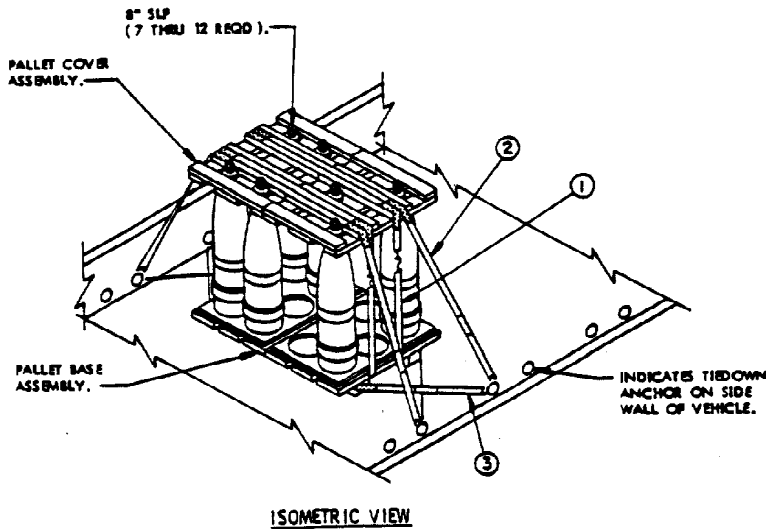


KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQ). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF PALLET COVER ASSEMBLY, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQ). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND THE PALLET SKID, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE, CROSS STRAPS AS SHOWN. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTE 5 ON PAGE 20.

LOAD GUIDANCE NOTE:

1. SIX 8" SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 148" LONG BY 88" WIDE. IF ONLY FOUR PROJECTILES ARE TO BE LOADED POSITION ONE AT EACH CORNER OF THE RE-ASSEMBLED PALLETIZED UNIT.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDE AND/OR FLOOR MAY BE USED.
3. A TOTAL OF FOUR WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.

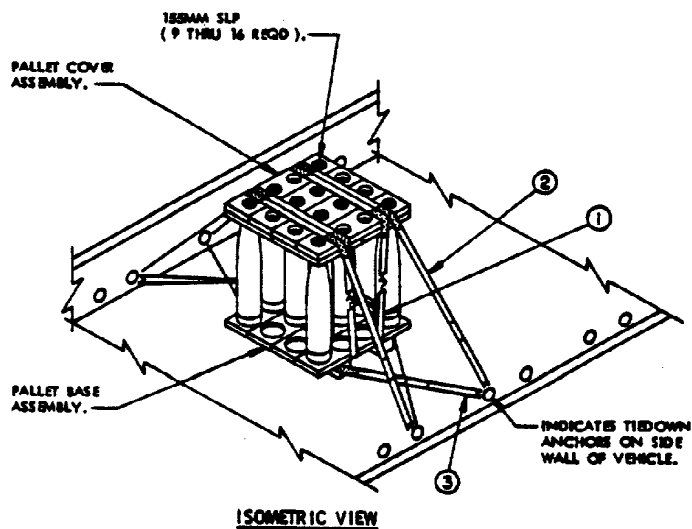


LOAD GUIDANCE NOTES:

1. SEVEN 8" SLP ARE SHOWN IN A TRUCK, CARGO, 3-TON, MSA, HAVING INSIDE DIMENSIONS OF 148" LONG BY 88" WIDE.
2. THE PROCEDURES SHOWN ABOVE ARE FOR SECUREMENT OF SEVEN THROUGH TWELVE LOOSE 8" SLP. POSITIONING FOUR PROJECTILES IN ONE RE-ASSEMBLED PALLETIZED UNIT, AND THREE PROJECTILES IN THE ADJACENT RE-ASSEMBLED PALLETIZED UNIT AS SHOWN ABOVE, ELIMINATES THE NEED TO SECURE ONE PROJECTILE BY ITSELF, AS SHOWN ON PAGES 21 AND 22. WHEN LOADING EIGHT PROJECTILES POSITION FOUR IN EACH RE-ASSEMBLED PALLETIZED UNIT (ONE AT EACH CORNER). NINE THROUGH TWELVE PROJECTILES WILL BE POSITIONED IN THE REMAINING SECUREMENT WELLS IN THE PALLET BASE ASSEMBLY AS DESIRED. SEE NOTE 5, FOR 8" SLP, ON PAGE 21.
3. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDE AND/OR FLOOR MAY BE USED.
4. A TOTAL OF SIX WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
5. IF TRANSPORTING MORE THAN TWELVE LOOSE PROJECTILES USE THE SAME PROCEDURES AS SHOWN ABOVE. POSITION TWO RE-ASSEMBLED PALLETIZED UNITS ACROSS THE VEHICLE WIDTH, THEN BUTT THE NEXT ONE OR TWO RE-ASSEMBLED PALLETIZED UNITS AGAINST THE FIRST TWO TO FORM A ROW TWO UNITS WIDE BY NUMBER OF UNITS DESIRED IN LENGTH DOWN THE CENTER OF THE VEHICLE LENGTH. AS AN EXAMPLE, A LOAD OF 60 LOOSE PROJECTILES (TWO PALLETS WIDE BY FIVE PALLETS LONG) CAN BE LOADED IN AN MSA, 3-TON, CARGO TRUCK.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO ENIRCLE THE PALLET COVER ASSEMBLIES AND THE PALLET BASE ASSEMBLIES OF BOTH RE-ASSEMBLED PALLETIZED UNITS. HOOK ENDS OF STRAP TOGETHER AND RATCHET TIGHT.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF RE-ASSEMBLED PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND THE PALLET SKIDS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE, CROSS STRAPS AS SHOWN. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2, AND SPECIAL NOTE 5 ON PAGE 20.



LOAD GUIDANCE NOTES:

1. NINE 155MM SLP ARE SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE.
2. THE PROCEDURES SHOWN ABOVE ARE FOR SECUREMENT OF NINE THROUGH SIXTEEN LOOSE 155MM SLP. POSITIONING FIVE PROJECTILES IN ONE RE-ASSEMBLED PALLETIZED UNIT, AND FOUR PROJECTILES IN THE ADJACENT RE-ASSEMBLED PALLETIZED UNIT AS SHOWN ABOVE, ELIMINATES THE NEED TO SECURE ONE PROJECTILE BY ITSELF, AS SHOWN ON PAGES 21 AND 29. WHEN LOADING TEN THROUGH SIXTEEN PROJECTILES POSITION IN THE REMAINING SECUREMENT WELLS IN THE PALLET BASE ASSEMBLY AS DESIRED. SEE NOTE 5, FOR 155MM, ON PAGE 21.
3. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDE AND/OR FLOOR MAY BE USED.
4. A TOTAL OF SIX WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
5. IF TRANSPORTING MORE THAN SIXTEEN LOOSE PROJECTILES USE THE SAME PROCEDURES AS SHOWN ABOVE. POSITION TWO RE-ASSEMBLED PALLETIZED UNITS ACROSS THE VEHICLE WIDTH, THEN BUTT THE NEXT ONE OR TWO RE-ASSEMBLED PALLETIZED UNITS AGAINST THE FIRST TWO TO FORM A ROW OF TWO UNITS WIDE BY NUMBER OF UNITS DESIRED IN LENGTH, DOWN THE CENTER OF THE VEHICLE LENGTH. AS AN EXAMPLE, A LOAD OF 80 LOOSE PROJECTILES (TWO PALLET WIDE AND FIVE PALLET LONG) CAN BE LOADED IN AN M54, 5-TON, CARGO TRUCK.

KEY NUMBERS

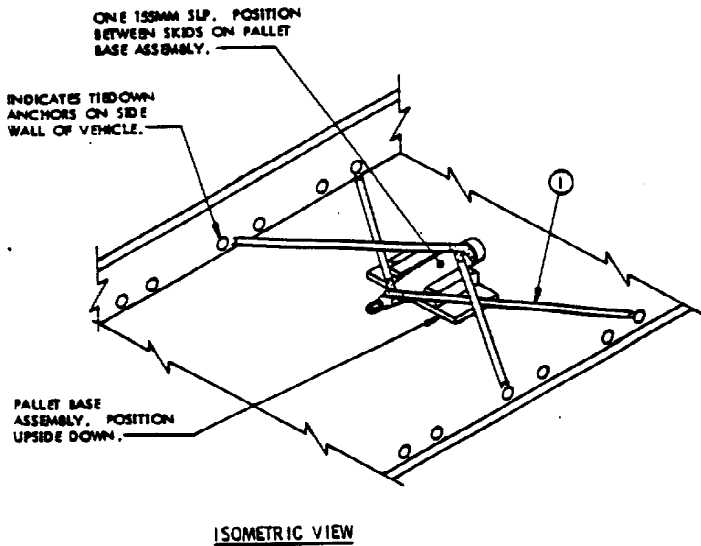
- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO ENIRCLE THE PALLET COVER ASSEMBLY AND THE PALLET BASE ASSEMBLY OF BOTH RE-ASSEMBLED PALLETIZED UNITS. HOOK ENDS OF STRAP TOGETHER AND RATCHET TIGHT.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE OVER TOP OF RE-ASSEMBLED PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "7" AND "8" ON PAGE 2.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND THE PALLET SKIDS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE, CROSS STRAPS AS SHOWN. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "7" AND "8" ON PAGE 2, AND SPECIAL NOTE 5 ON PAGE 20.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, MAKE ONE COMPLETE WRAP AROUND BASE END OF PROJECTILE AND/OR NOSE END OF PROJECTILE, TO A TIEDOWN ANCHOR ON OPPOSITE SIDE OF VEHICLE. CROSS STRAPS AS SHOWN. TAKE UP EXCESS SLACK IN STRAPS AND THEN RATCHET BOTH STRAPS TIGHT AT THE SAME TIME. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

1. ONE 155MM SLP IS SHOWN IN A TRUCK, CARGO, 3-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. THE LOAD MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDE AND/OR FLOOR, MAY BE USED.
3. A TOTAL OF TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING ONE 155MM SLP SEE PAGE 21. ALSO SEE LOAD GUIDANCE NOTE 5 FOR THE 155MM SLP, ON PAGE 21.



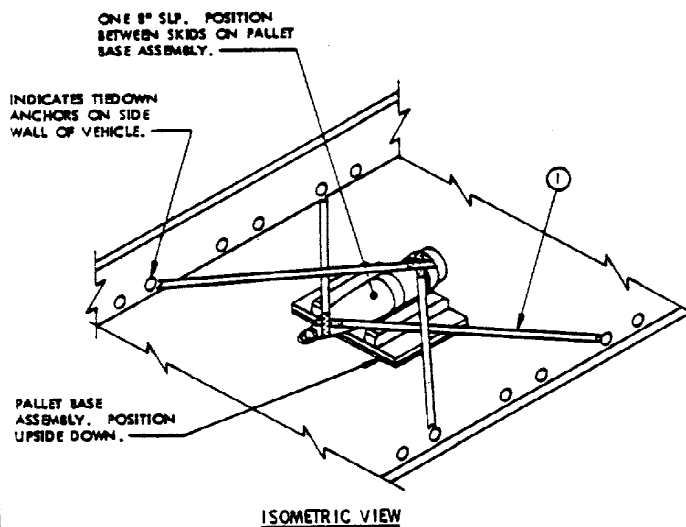
SECUREMENT OF ONE 155MM SLP LOOSE ROUND

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, MAKE ONE COMPLETE WRAP AROUND BASE END OF PROJECTILE AND/OR NOSE END OF PROJECTILE, TO A TIEDOWN ANCHOR ON OPPOSITE SIDE OF VEHICLE. CROSS STRAPS AS SHOWN. TAKE UP EXCESS SLACK IN STRAPS AND THEN RATCHET BOTH STRAPS TIGHT AT THE SAME TIME. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.

LOAD GUIDANCE NOTES:

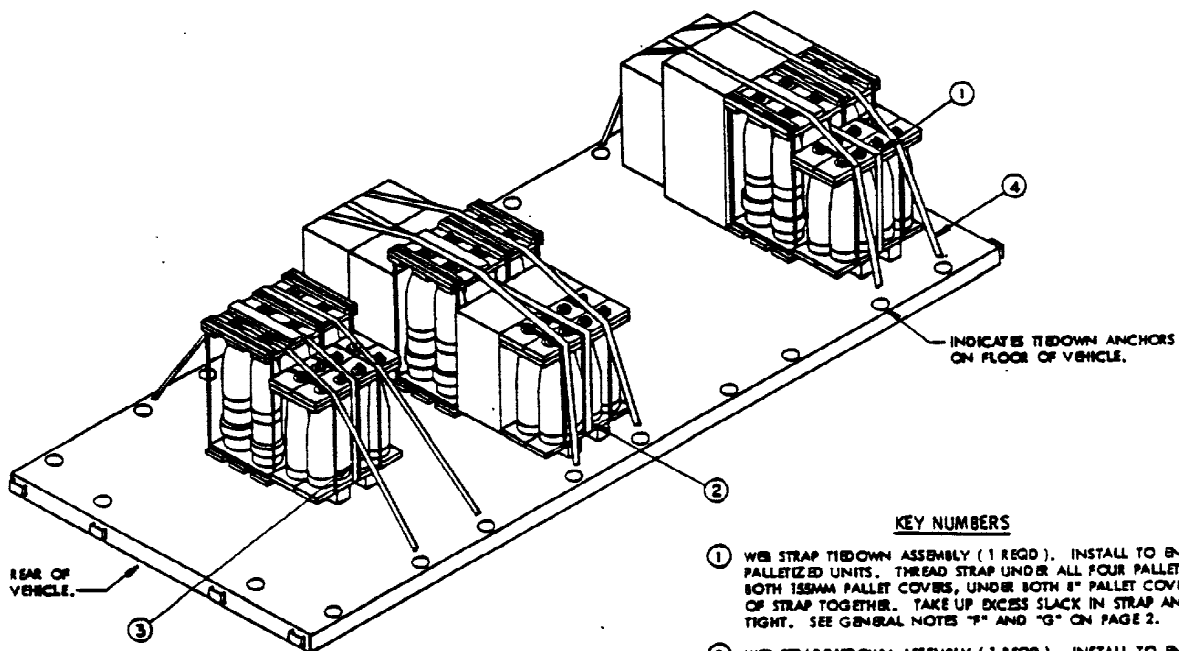
1. ONE 8" SLP IS SHOWN IN A TRUCK, CARGO, 3-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. THE LOAD MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS, LOCATED ON THE SIDE AND/OR FLOOR MAY BE USED.
3. A TOTAL OF TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
4. FOR AN ALTERNATIVE METHOD OF SECURING ONE 155MM SLP SEE PAGE 21. ALSO SEE LOAD GUIDANCE NOTE 5 FOR THE 8" SLP, ON PAGE 21.



SECUREMENT OF ONE 8" SLP LOOSE ROUND

SPECIAL NOTES:

1. THE LOADS SHOWN ON PAGES 30 THROUGH 48 DEPICT TESTED METHODS OF SECURING LOOSE AND/OR PALLETIZED 155MM AND/OR 8", SEPARATE LOADING PROJECTILES IN/ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985. NOTE: THESE METHODS APPLY TO THE HEMTT ONLY.
2. THE PROCEDURES SHOWN ARE FOR SECUREMENT OF PALLETIZED SEPARATE LOADING PROJECTILES HAVING STEEL UNITIZING STRAPS AND/OR "LOOSE" PROJECTILES. THE TERM "LOOSE" PROJECTILES REFERS TO PROJECTILES REMAINING AFTER THE STEEL UNITIZING STRAPS ON A PALLETIZED UNIT HAVE BEEN CUT AND THE PROJECTILES REMOVED FROM THE PALLET BASE AND COVER ASSEMBLY. SEE "LOADING, TIEDOWN, AND UNLOADING PROCEDURES" NOTE 8 ON PAGE 5.
3. PALLETS OF 155MM, AND 8", SEPARATE LOADING PROJECTILES ARE SHOWN AS TYPICAL. HOWEVER, THE METHODS SHOWN WILL APPLY TO ANY PALLETIZED SEPARATE LOADING PROJECTILES.
4. PRIOR TO LOADING THE VEHICLE SELECT THE QUANTITY OF PALLETS TO BE LOADED. DO NOT EXCEED THE OFF-HIGHWAY WEIGHT LIMIT OF THE VEHICLE. SELECT THE BEST LOAD PATTERN, SUCH AS FOUR PALLETS ACROSS THE VEHICLE WIDTH AND THREE PALLETS LONG. SELECT A LOCATION IN THE LENGTH OF THE CARGO BED THAT WILL PROVIDE ADEQUATE TIEDOWN ANCHORS TO SECURE THE LOAD USING THE TIEDOWN PROCEDURES DEPICTED ON PAGES 31 THROUGH 48.
5. EACH SINGLE PALLET AND/OR EACH ROW OF PALLETS POSITIONED ACROSS THE WIDTH OF THE VEHICLE, AS SHOWN ON PAGES 32 AND 34 MUST BE SECURED WITH TWO STRAPS ATTACHED TO TIEDOWN ANCHORS ON ONE SIDE OF VEHICLE, OVER TOP OF PALLET (S) IN ROW, TO MATING TIEDOWN ANCHORS ON OPPOSITE SIDE OF VEHICLE. THESE TWO STRAPS MUST ALWAYS BE POSITIONED BETWEEN THE OUTERMOST LIFTING RINGS, AS SHOWN IN THE LOADS ON PAGES 32 AND 34. DO NOT POSITION THESE STRAPS ACROSS LOAD ON LATERAL JOINTS BETWEEN PALLETS.
6. IF A PALLET AND/OR ROW OF PALLETS IS NOT IN LATERAL ALIGNMENT WITH TIEDOWN ANCHORS ON THE SIDE OF THE VEHICLE THE TWO HOLD-DOWN STRAPS MAY BE CROSSED OVER THE TOP OF THE PALLET/ROW, AS SHOWN IN THE LOAD ON PAGE 33.
7. THE PROCEDURES SHOWN ON PAGES 31 THROUGH 43 DO NOT REQUIRE THE DROP-SIDES AND/OR END WALLS FOR LOAD SECUREMENT. THE DROP-SIDES AND END WALLS HAVE BEEN OMITTED FOR CLARITY. HOWEVER, THE DROP-SIDES AND END WALLS MAY BE LEFT IN POSITION ON THE VEHICLE AS IT IS ONLY NECESSARY TO DROP THE SIDE PANELS DESIRED FOR LOADING AND/OR UNLOADING.



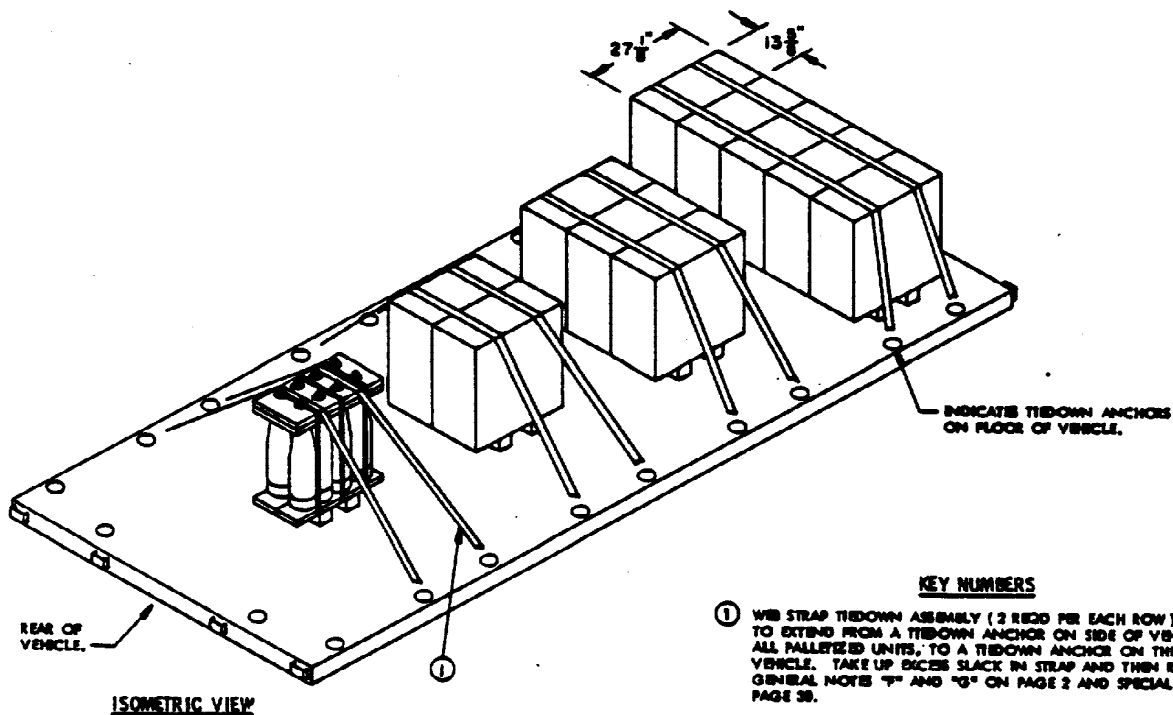
ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A LOAD OF MIXED 155MM SLP AND 8" SLP PALLETS IN THE SAME ROW IS SHOWN ON THE TRUCK. HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 214-3/8" LONG BY 90-3/4" WIDE.
2. IF IT IS NECESSARY TO MIX TALL AND SHORT PALLETS AND/OR 155MM SLP PALLETS AND 8" SLP PALLETS WITHIN THE SAME ROW, USE THE PROCEDURES SHOWN ON THIS PAGE FOR GUIDANCE.
3. THE PROCEDURES SHOWN ON THIS PAGE ARE FOR PALLETIZED UNITS HAVING STEEL UNITIZING STRAPS.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL TO ENCIRCLE ALL FOUR PALLETIZED UNITS. THREAD STRAP UNDER ALL FOUR PALLET BASES, OVER TOP OF BOTH 155MM PALLET COVERS, UNDER BOTH 8" PALLET COVERS AND HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL TO ENCIRCLE ALL FIVE PALLETIZED UNITS. THREAD STRAP UNDER ALL FIVE PALLET BASES, OVER TOP OF ALL FOUR 155MM PALLET COVERS, UNDER 8" PALLET COVER AND HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ③ WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL TO ENCIRCLE BOTH PALLETIZED UNITS. THREAD STRAP UNDER BOTH PALLET BASES, OVER TOP OF THE 155MM PALLET COVER AND THE 8" PALLET COVER AND HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ④ WEB STRAP TIEDOWN ASSEMBLY (2 REQD FOR EACH ROW). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF ALL PALLETIZED UNITS. TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 5 AND 6 ON PAGE 30.



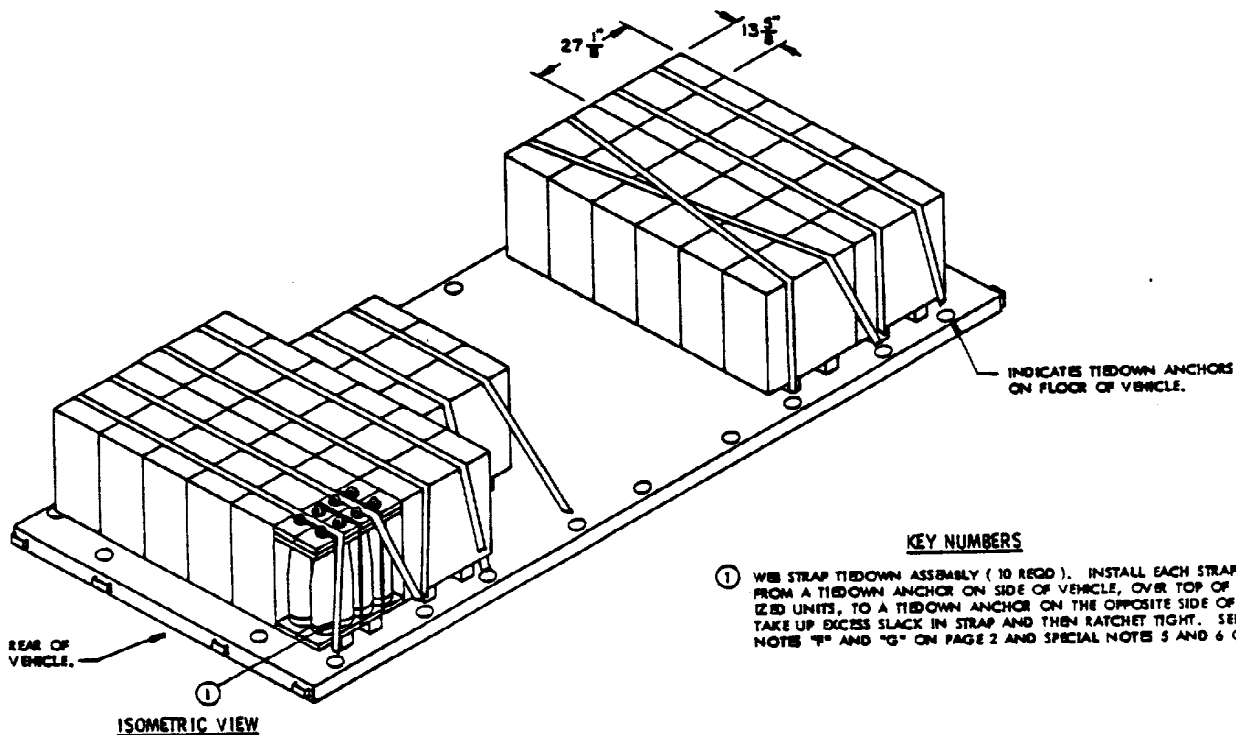
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REQD PER EACH ROW). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF ALL PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 5 AND 6 ON PAGE 3B.

ISOMETRIC VIEW

LOAD GUIDANCE NOTE:

1. A LOAD OF PALLETIZED 155MM SLP IS SHOWN ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 216-3/8" LONG BY 96-3/4" WIDE. SEE NOTE 2 BELOW.
2. THE LOAD SHOWN DEPICTS PROCEDURES FOR SECURING ONE THROUGH FIVE PALLETS OF 155MM SLP PER ROW ON THE VEHICLE. WHEN TRANSPORTING MORE THAN FIVE PALLETS USE THE PROCEDURES SHOWN ON PAGE 3B AND ADJUST THE QUANTITY OF PALLETS IN EACH ROW AS DESIRED.
3. THE PROCEDURES SHOWN ON THIS PAGE ARE FOR PALLETIZED UNITS HAVING STEEL UNITIZING STRAPS.



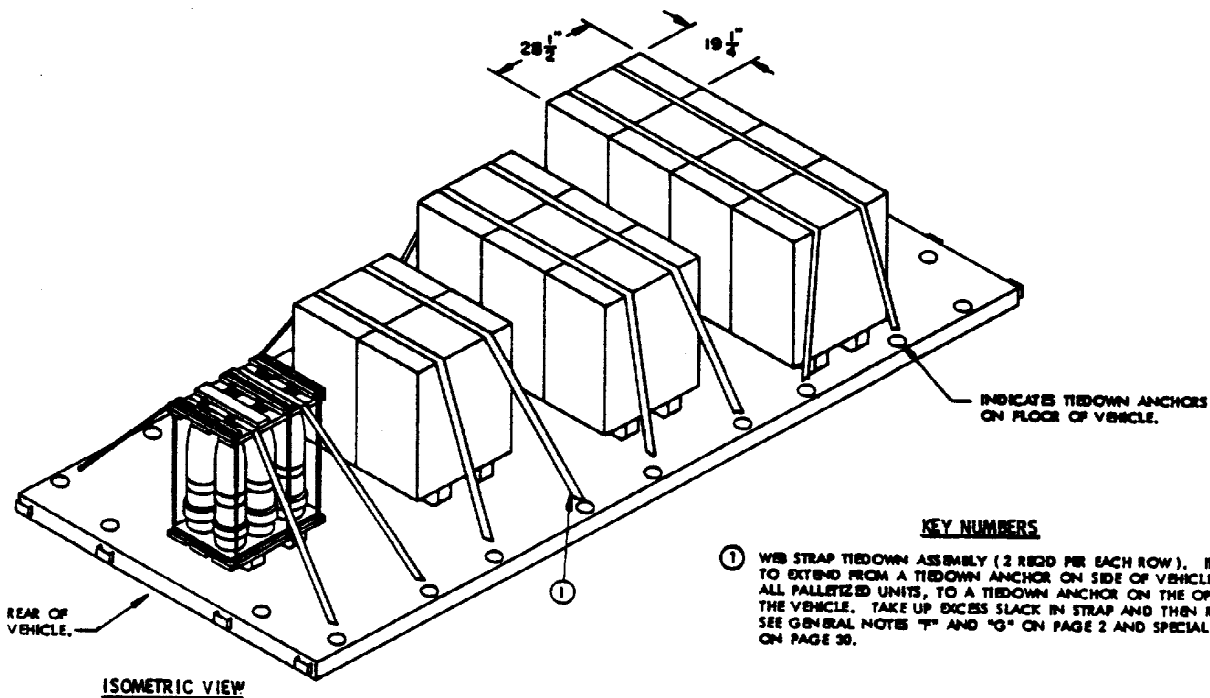
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (10 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF ALL PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 5 AND 6 ON PAGE 30.

LOAD GUIDANCE NOTES:

1. A MAXIMUM LOAD OF TWENTY-SEVEN PALLETS OF 155MM SLP IS SHOWN ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 214-3/8" LONG BY 90-3/4" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSER QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 32 FOR GUIDANCE.
2. A TOTAL OF TEN WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
3. THE PROCEDURES SHOWN ON THIS PAGE ARE FOR PALLETIZED UNITS HAVING STEEL UNITIZING STRAPS.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE. ALSO, THE QUANTITY OF PALLETS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE FIVE ROWS OF FIVE PALLETS EACH AND ONE ROW OF TWO PALLETS.

LOAD AS SHOWN		
ITEM	QUANTITY	WEIGHT (APPROX)
PALLETIZED 155MM SLP	27	21,579 LBS

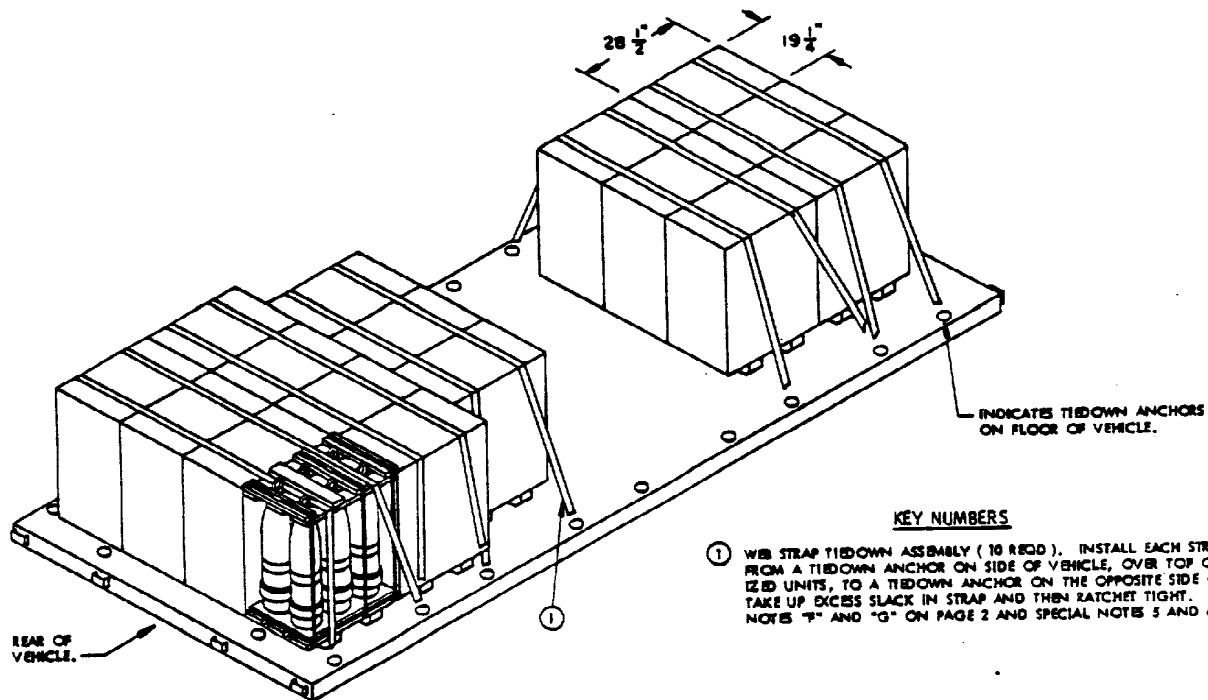


KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (2 REEDS PER EACH ROW). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF ALL PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 5 AND 6 ON PAGE 30.

LOAD GUIDANCE NOTES:

1. A LOAD OF PALLETIZED 8' SLP IS SHOWN ON THE TRUCK, HEAVY BRANDED MOBILITY (HBMAT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 236-3/8" LONG BY 90-3/4" WIDE. SEE NOTE 2 BELOW.
2. THE LOAD SHOWN DEPICTS PROCEDURES FOR SECURING ONE THROUGH FOUR PALLETS OF 8' SLP PER ROW ON THE VEHICLE. WHEN TRANSPORTING MORE THAN FOUR PALLETS USE THE PROCEDURES SHOWN ON PAGE 35 AND ADJUST THE QUANTITY OF PALLETS IN EACH ROW AS DESIRED.
3. THE PROCEDURES SHOWN ON THIS PAGE ARE FOR PALLETIZED UNITS HAVING STEEL UNITIZING STRAPS.



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

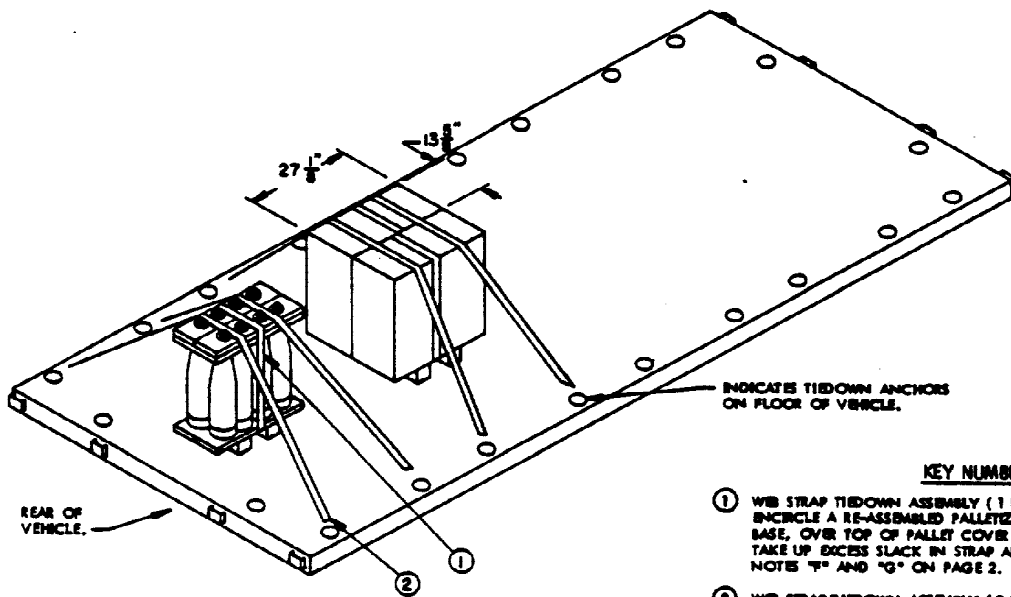
1. A MAXIMUM LOAD OF PALLETIZED 8" SLP IS SHOWN ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMIT), 10-TON, M977 AND/OR M995, HAVING INSIDE DIMENSIONS OF 216-3/8" LONG BY 90-3/4" WIDE. SEE NOTE 4 BELOW. IF LOADING A LESSER QUANTITY SEE THE PROCEDURES SHOWN ON PAGE 34 FOR GUIDANCE.
2. A TOTAL OF TEN WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
3. THE PROCEDURES SHOWN ON THIS PAGE ARE FOR PALLETIZED UNITS HAVING STEEL UNITIZING STRAPS.
4. THE LOAD SHOWN MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE. ALSO, THE QUANTITY OF PALLETS IN EACH ROW MAY BE CHANGED AS DESIRED. FOR EXAMPLE, THERE COULD BE FIVE ROWS OF THREE PALLETS EACH AND ONE ROW OF TWO PALLETS.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (10 REQD). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF ALL PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 5 AND 6 ON PAGE 30.

LOAD AS SHOWN

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
PALLETIZED 8" SLP	17	21,301 LBS



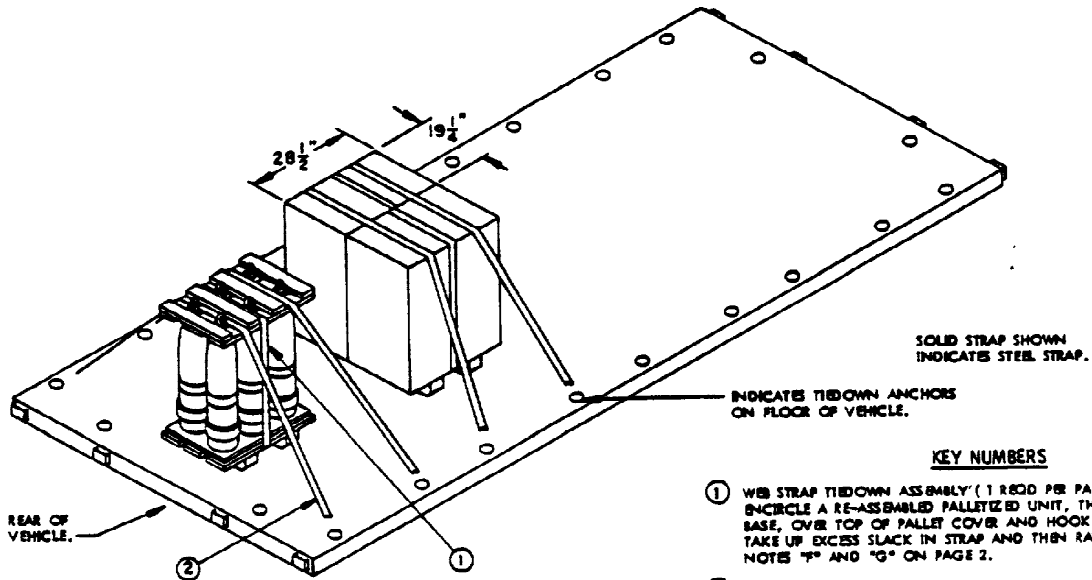
ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A LOAD OF RE-ASSEMBLED PALLETIZED 155MM SLP IS SHOWN ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 216-3/8" LONG BY 90-3/4" WIDE.
2. THE LOAD SHOWN DEPICTS PROCEDURES FOR SECURING LOOSE 155MM SLP ON THE VEHICLE. DO NOT POSITION MORE THAN TWO RE-ASSEMBLED PALLETIZED UNITS IN A ROW. SEE SPECIAL NOTE 2 ON PAGE 30.
3. FOR ALTERNATIVE METHODS OF TRANSPORTING LOOSE 155MM SLP SEE THE PROCEDURES ON PAGE 39 AND PAGES 40 THROUGH 42. SEE NOTE 5 BELOW.
4. USING THE PROCEDURES SHOWN ABOVE A TOTAL OF ONE HUNDRED AND TWELVE, LOOSE 155MM SLP CAN BE LOADED AND SECURED ON THE VEHICLE, BY POSITIONING TWO RE-ASSEMBLED PALLETS SIDE-BY-SIDE AS SHOWN ABOVE, AND SEVEN LONG, BUTTED TOGETHER, DOWN THE CENTER OF THE VEHICLE LENGTH.
5. WHEN TRANSPORTING LESS THAN EIGHT LOOSE 155MM SLP IN A RE-ASSEMBLED PALLETIZED UNIT, USE THE PROCEDURES SHOWN ON PAGES 22, 25, 26 AND 29.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (1 REQD PER PALLET). INSTALL EACH STRAP TO ENIRCLE A RE-ASSEMBLED PALLETIZED UNIT. THREAD STRAP UNDER THE PALLET BASE, OVER TOP OF PALLET COVER AND HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND TIGHTEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD PER EACH ROW). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND TIGHTEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 5 AND 6 ON PAGE 30.



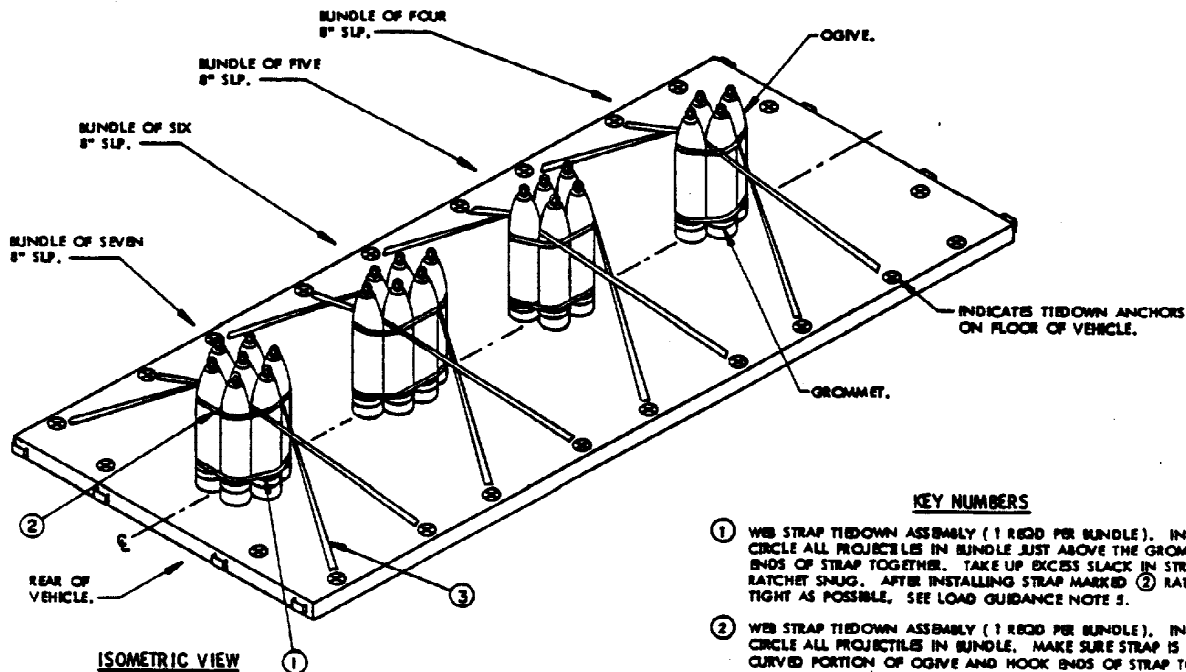
ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A GUIDANCE LOAD OF RE-ASSEMBLED PALLETIZED 8' SLP IS SHOWN ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 216-3/8" LONG BY 90-3/4" WIDE.
2. THE LOAD SHOWN DEPICTS PROCEDURES FOR SECURING LOOSE 8' SLP ON THE VEHICLE. DO NOT POSITION MORE THAN TWO RE-ASSEMBLED PALLETIZED UNITS IN A ROW. SEE SPECIAL NOTE 2 ON PAGE 30.
3. FOR ALTERNATIVE METHODS OF TRANSPORTING LOOSE 8' SLP SEE THE PROCEDURES ON PAGE 38. SEE NOTE 5 BELOW.
4. USING THE PROCEDURES SHOWN ABOVE A TOTAL OF EIGHTY-FOUR, LOOSE 8' SLP CAN BE LOADED AND SECURED ON THE VEHICLE, BY POSITIONING TWO RE-ASSEMBLED PALLETS SIDE-BY-SIDE AS SHOWN ABOVE, AND SEVEN LONG, BUTTED TOGETHER, DOWN THE CENTER OF THE VEHICLE LENGTH.
5. WHEN TRANSPORTING LESS THAN SIX LOOSE 8' SLP IN A RE-ASSEMBLED PALLETIZED UNIT, USE THE PROCEDURES SHOWN ON PAGES 22, 23, 26 AND 29.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (1 RODD PER PALLET). INSTALL EACH STRAP TO ENCIRCLE A RE-ASSEMBLED PALLETIZED UNIT, THREAD STRAP UNDER THE PALLET BASE, OVER TOP OF PALLET COVER AND HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 RODD PER EACH ROW). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF PALLETIZED UNITS, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT. SEE GENERAL NOTES "F" AND "G" ON PAGE 2 AND SPECIAL NOTES 5 AND 6 ON PAGE 30.



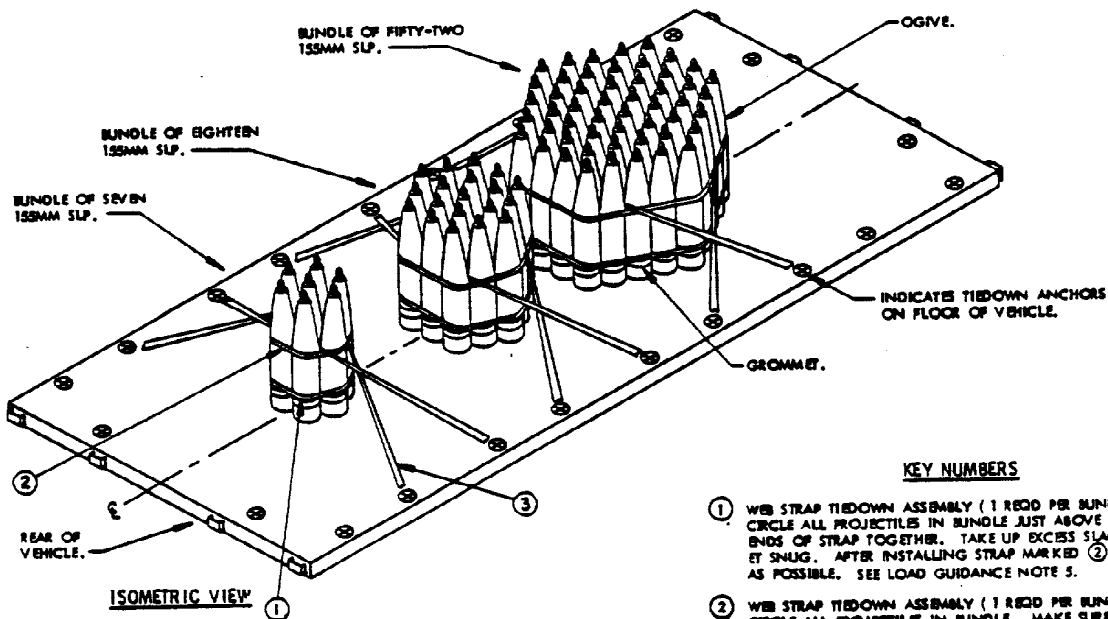
ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A LOAD OF LOOSE 8" SLP IS SHOWN ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 216-3/8" LONG BY 90-3/4" WIDE.
2. THE LOAD SHOWN DEPICTS PROCEDURES FOR SECURING LOOSE 8" SLP ON THE VEHICLE. DO NOT POSITION LESS THAN FOUR OR MORE THAN SEVEN PROJECTILES IN A BUNDLE. SEE SPECIAL NOTE 2 ON PAGE 30.
3. FOR AN ALTERNATIVE METHOD OF TRANSPORTING LOOSE 8" SLP SEE THE PROCEDURES ON PAGES 22, 25, 26, 29 AND 37.
4. USING THE PROCEDURES SHOWN ABOVE A TOTAL OF TWENTY-EIGHT LOOSE 8" SLP (FOUR BUNDLES OF SEVEN PROJECTILES EACH) CAN BE SECURED ON THE VEHICLE.
5. WHEN TRANSPORTING LOOSE PROJECTILES, AS SHOWN ABOVE, THE "GROMMET" MUST BE IN PLACE AT THE BASE END OF THE PROJECTILE TO PREVENT STRAP MARKED ① FROM SLIPPING DOWN. THE CURVED PORTION OF THE OGIVE AT THE NOSE END OF THE PROJECTILE WILL PREVENT STRAP MARKED ② FROM SLIPPING DOWN, AND STRAP MARKED ③, BEARING DOWN ON STRAP MARKED ②, WILL PREVENT STRAP MARKED ② FROM SLIPPING UP. ALL STRAPS MUST BE RATCHETED TIGHT PRIOR TO MOVING VEHICLE.
6. ON BUNDLE OF FOUR PROJECTILES, STRAPS MARKED ③ ARE THREADED FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND THE CENTER ROW OF TWO PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. ON BUNDLE OF FIVE PROJECTILES, STRAPS MARKED ③ ARE THREADED FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND CENTER GROUP OF THREE PROJECTILES, TO A TIEDOWN ANCHOR ON OPPOSITE SIDE OF VEHICLE. ON BUNDLE OF SIX PROJECTILES, STRAPS MARKED ③ ARE THREADED FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND CENTER GROUP OF FOUR PROJECTILES, TO A TIEDOWN ANCHOR ON OPPOSITE SIDE OF VEHICLE. ON BUNDLE OF SEVEN PROJECTILES, STRAPS MARKED ③ ARE THREADED FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND CENTER ROW OF THREE PROJECTILES, TO A TIEDOWN ANCHOR ON OPPOSITE SIDE OF VEHICLE. STRAPS MARKED ③ MUST BE RATCHETED AS TIGHT AS POSSIBLE.

KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (1 REED PER BUNDLE). INSTALL STRAP TO EN-CIRCLE ALL PROJECTILES IN BUNDLE JUST ABOVE THE GROMMET AND HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET STRAP. AFTER INSTALLING STRAP MARKED ② RATCHET THIS STRAP AS TIGHT AS POSSIBLE. SEE LOAD GUIDANCE NOTE 5.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REED PER BUNDLE). INSTALL STRAP TO EN-CIRCLE ALL PROJECTILES IN BUNDLE. MAKE SURE STRAP IS POSITIONED ON CURVED PORTION OF OGIVE AND HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET STRAP TIGHT UNTIL TOP OF PROJECTILE TIP INWARD SLIGHTLY. SEE LOAD GUIDANCE NOTE 5.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REED PER BUNDLE). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF STRAP MARKED ② AND BETWEEN PROJECTILES AT LOCATIONS SHOWN ABOVE, TO A TIEDOWN ANCHOR ON OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND RATCHET TIGHT. THESE TWO STRAPS MUST BE CROSSED AND MUST BEAR DOWN AGAINST STRAP MARKED ②. SEE LOAD GUIDANCE NOTE 6.

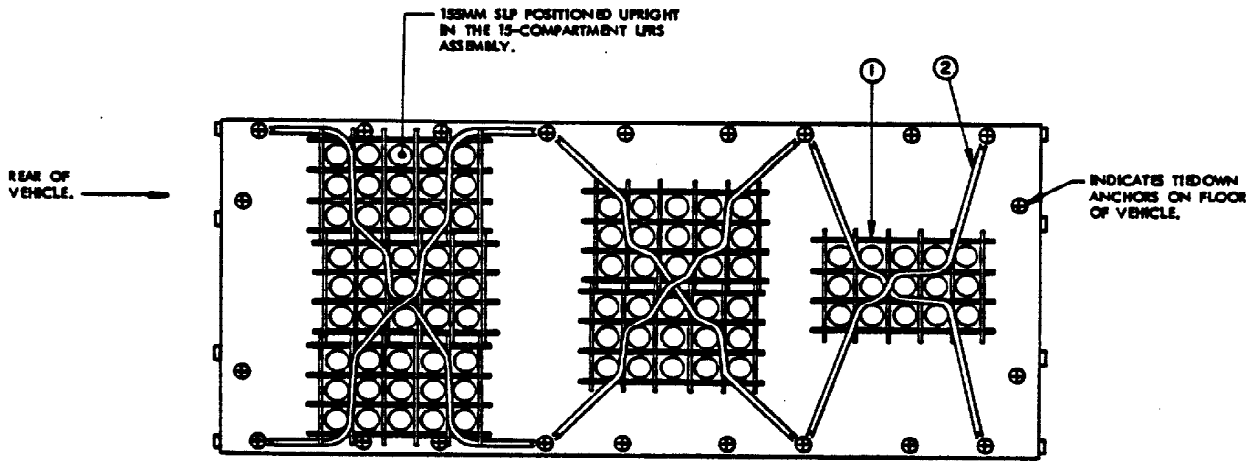


LOAD GUIDANCE NOTES:

1. A LOAD OF LOOSE 155MM SLP IS SHOWN ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 216-3/8" LONG BY 90-3/4" WIDE.
2. THE LOAD SHOWN DEPICTS PROCEDURES FOR SECURING LOOSE 155MM SLP ON THE VEHICLE. DO NOT POSITION LESS THAN SEVEN OR MORE THAN FIFTY-TWO PROJECTILES IN A BUNDLE. SEE SPECIAL NOTE 2 ON PAGE 30.
3. FOR AN ALTERNATIVE METHOD OF TRANSPORTING LOOSE 155MM SLP SEE THE PROCEDURES ON PAGES 22, 25, 26, 29 AND 36.
4. USING THE PROCEDURES SHOWN ABOVE A TOTAL OF TWO HUNDRED AND EIGHT LOOSE 155MM SLP (FOUR BUNDLES OF FIFTY-TWO PROJECTILES EACH) CAN BE SECURED ON THE VEHICLE.
5. WHEN TRANSPORTING LOOSE PROJECTILES, AS SHOWN ABOVE, THE "GROMMET" MUST BE IN PLACE AT THE BASE END OF THE PROJECTILE TO PREVENT STRAP MARKED ① FROM SLIPPING DOWN. THE CURVED PORTION OF THE OGIVE AT THE NOSE END OF THE PROJECTILE WILL PREVENT STRAP MARKED ② FROM SLIPPING DOWN, AND STRAP MARKED ③, BEARING DOWN ON STRAP MARKED ②, WILL PREVENT STRAP MARKED ② FROM SLIPPING UP. ALL STRAPS MUST BE RATCHETED TIGHT PRIOR TO MOVING VEHICLE.
6. ON BUNDLE OF SEVEN PROJECTILES, STRAPS MARKED ③ ARE THREADED FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND THE CENTER ROW OF THREE PROJECTILES, TO A TIEDOWN ANCHOR ON OPPOSITE SIDE OF VEHICLE. ON BUNDLE OF EIGHTEEN PROJECTILES, STRAPS MARKED ③ ARE THREADED FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND THE CENTER GROUP OF THIRTEEN PROJECTILES, TO A TIEDOWN ANCHOR ON OPPOSITE SIDE OF VEHICLE. ON BUNDLE OF FIFTY-TWO PROJECTILES, STRAPS MARKED ③ ARE THREADED FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, AROUND THE CENTER GROUP OF THIRTY-FOUR PROJECTILES, TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF VEHICLE. STRAPS MARKED ③ MUST BE RATCHETED AS TIGHT AS POSSIBLE.

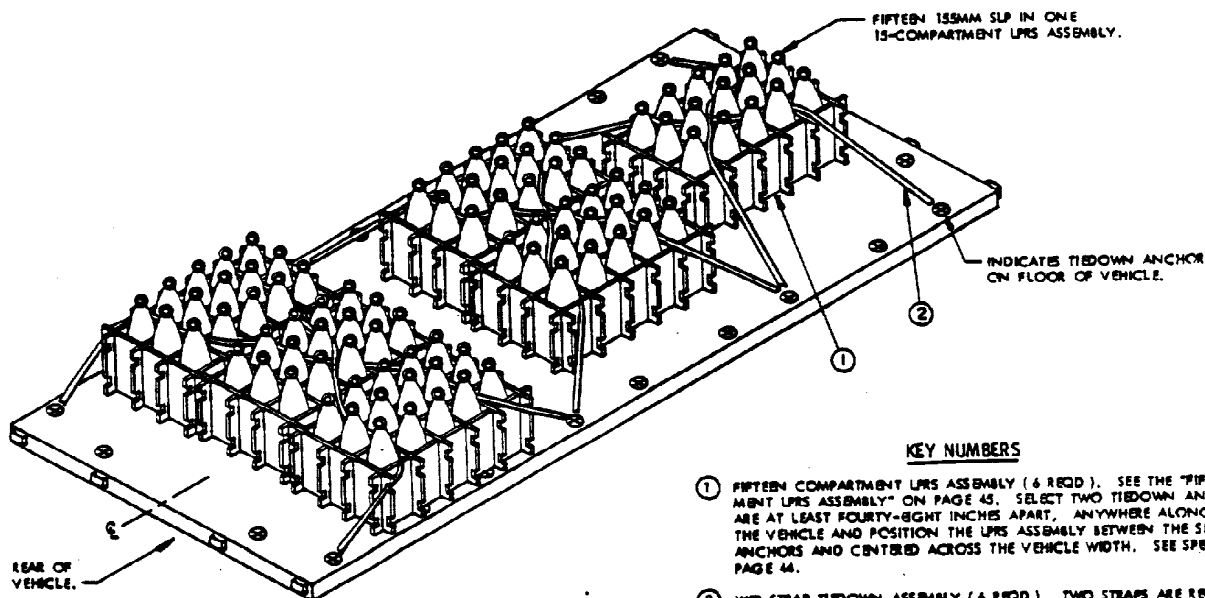
KEY NUMBERS

- ① WEB STRAP TIEDOWN ASSEMBLY (1 REQD PER BUNDLE). INSTALL STRAP TO EN-CIRCLE ALL PROJECTILES IN BUNDLE JUST ABOVE THE GROMMET AND HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET SLUG. AFTER INSTALLING STRAP MARKED ② RATCHET THIS STRAP AS TIGHT AS POSSIBLE. SEE LOAD GUIDANCE NOTE 5.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REQD PER BUNDLE). INSTALL STRAP TO EN-CIRCLE ALL PROJECTILES IN BUNDLE. MAKE SURE STRAP IS POSITIONED ON CURVED PORTION OF OGIVE AND HOOK ENDS OF STRAP TOGETHER. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET STRAP TIGHT UNTIL TOP OF PROJECTILES TIP INWARD SLIGHTLY. SEE LOAD GUIDANCE NOTE 5.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REQD PER BUNDLE). INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, OVER TOP OF STRAP MARKED ② AND BETWEEN PROJECTILES AT LOCATIONS SHOWN ABOVE, TO A TIEDOWN ANCHOR ON OPPOSITE SIDE OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND RATCHET TIGHT. THESE TWO STRAPS MUST BE CROSSED AND MUST BEAR DOWN AGAINST STRAP MARKED ②. SEE LOAD GUIDANCE NOTE 6.



TOP VIEW

(SEE THE "ISOMETRIC VIEW" ON PAGE 41)



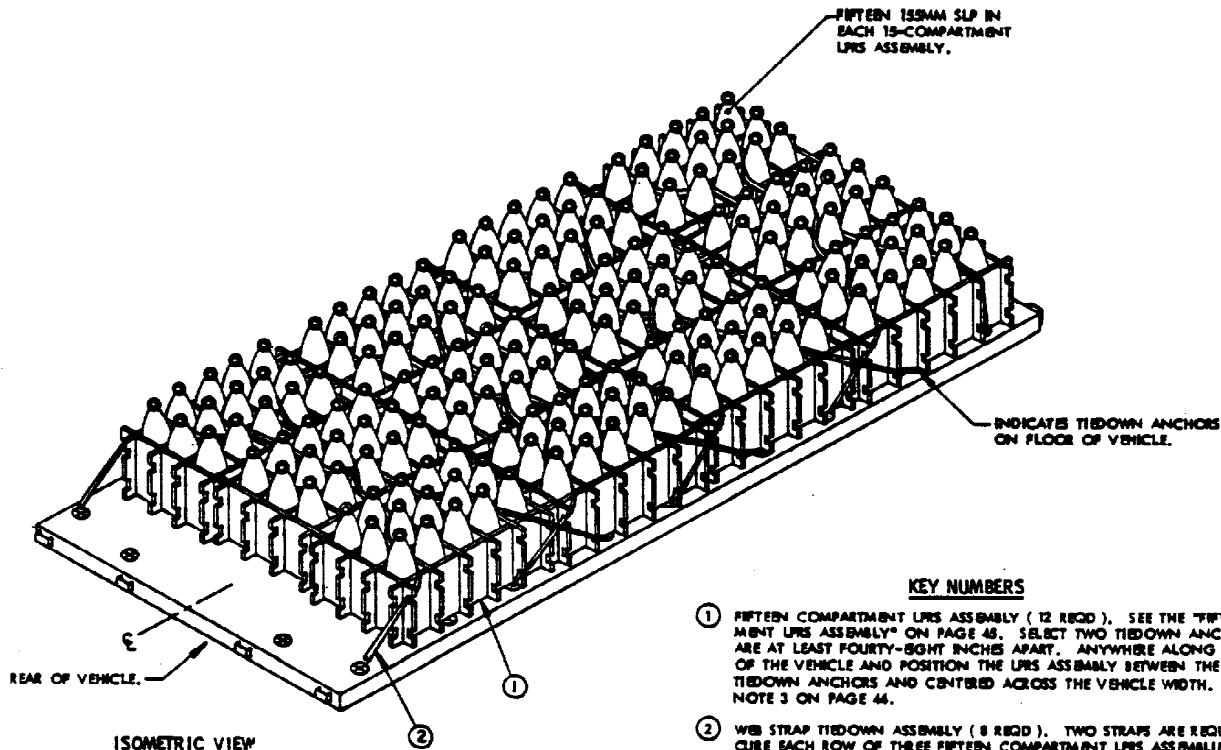
ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A LOAD OF LOOSE 155MM SLP IS SHOWN ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 216-3/8" LONG BY 90-3/4" WIDE. SEE THE "TOP VIEW" ON PAGE 40. SEE PAGE 42 FOR A MAXIMUM LOAD.
2. THE LOAD SHOWN DEPICTS TESTED PROCEDURES FOR SECURING ONE, TWO, AND THREE, FIFTEEN COMPARTMENT, LOOSE PROJECTILE RESTRAINT SYSTEM (LPRS) ASSEMBLIES, ON THE HEMTT. READ THE SPECIAL NOTES ON PAGE 44 AND SEE THE FIFTEEN COMPARTMENT LPRS ASSEMBLY ON PAGE 43 PRIOR TO LOADING THE VEHICLE.
3. THE LPRS ASSEMBLIES MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE AS LONG AS THEY ARE LOCATED BETWEEN TWO TIEDOWN ANCHORS ALONG EACH SIDE OF THE VEHICLE TO WHICH THE WEB STRAP TIEDOWN ASSEMBLIES WILL BE ATTACHED.
4. THE LOAD SHOWN DEPICTS FIFTEEN 155MM SLP IN EACH LPRS ASSEMBLY. HOWEVER, THE METHOD SHOWN MAY BE USED FOR LESS-THAN-FULL LPRS ASSEMBLIES. IF PROJECTILES ARE REMOVED FROM AN LPRS ASSEMBLY WHICH ALLOW THE WEB STRAP TO SLACKEN, THE WEB STRAP TIEDOWN ASSEMBLY MUST BE RETIGHTENED PRIOR TO MOVING THE VEHICLE.
5. THE 155MM SLP SHOWN IN THE LOAD ARE ALL THE SAME SIZE. HOWEVER, DIFFERENT SIZE 155MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.

KEY NUMBERS

- ① FIFTEEN COMPARTMENT LPRS ASSEMBLY (6 REQD). SEE THE "FIFTEEN COMPARTMENT LPRS ASSEMBLY" ON PAGE 43. SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST FOURTY-EIGHT INCHES APART, ANYWHERE ALONG THE SIDE OF THE VEHICLE AND POSITION THE LPRS ASSEMBLY BETWEEN THE SELECTED TIEDOWN ANCHORS AND CENTERED ACROSS THE VEHICLE WIDTH. SEE SPECIAL NOTE 3 ON PAGE 44.
- ② WEB STRAP TIEDOWN ASSEMBLY (6 REQD). TWO STRAPS ARE REQUIRED TO SECURE EACH ROW OF ONE, TWO, OR THREE FIFTEEN COMPARTMENT LPRS ASSEMBLIES TO THE VEHICLE. INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON THE FLOOR OF THE VEHICLE, DIAGONALLY OVER TOP OF LPRS ASSEMBLIES AS SHOWN IN THE "PLAN VIEW" ON PAGE 40. POSITION STRAPS BETWEEN THE PROJECTILES IN AS STRAIGHT A PATH AS POSSIBLE FROM ONE CORNER TO THE DIAGONALLY OPPOSITE CORNER AND ATTACH STRAP TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. STRAPS SHOULD CROSS IN THE APPROXIMATE CENTER OF THE LPRS ASSEMBLIES, AS SHOWN. TAKE UP EXCESS SLACK IN STRAPS AND THEN RATCHET TIGHT UNTIL SIDE PANELS ON THE LPRS ASSEMBLIES BIND IN SLIGHTLY. SEE SPECIAL NOTES 4 AND 5 ON PAGE 44.



ISOMETRIC VIEW

LOAD GUIDANCE NOTE:

1. A MAXIMUM LOAD OF ONE HUNDRED AND EIGHTY LOOSE 15MM SLP IS SHOWN ON THE TRUCK, HEAVY EXPANDED MOBILITY (HEMTT), 10-TON, M977 AND/OR M985, HAVING INSIDE DIMENSIONS OF 216-3/8" LONG BY 90-3/4" WIDE.
2. THE LOAD SHOWN DEPICTS TESTED PROCEDURES FOR SECURING TWELVE, FIFTEEN-COMPARTMENT, LOOSE PROJECTILE RESTRAINT SYSTEM (LRS) ASSEMBLIES, ON THE HEMTT. READ THE SPECIAL NOTES ON PAGE 44 AND SEE THE FIFTEEN-COMPARTMENT LRS ASSEMBLY ON PAGE 45 PRIOR TO LOADING THE VEHICLE.
3. THE LRS ASSEMBLIES MAY BE POSITIONED ANYWHERE WITHIN THE LENGTH OF THE VEHICLE AS LONG AS THEY ARE LOCATED BETWEEN TWO TIEDOWN ANCHORS ALONG EACH SIDE OF THE VEHICLE TO WHICH THE WEB STRAP TIEDOWN ASSEMBLIES WILL BE ATTACHED.
4. THE LOAD SHOWN DEPICTS FIFTEEN 15MM SLP IN EACH LRS ASSEMBLY. HOWEVER, THE METHOD SHOWN MAY BE USED FOR LESS-THAN-FULL LRS ASSEMBLIES. IF PROJECTILES ARE REMOVED FROM AN LRS ASSEMBLY WHICH ALLOW THE WEB STRAP TO SLACKEN, THE WEB STRAP TIEDOWN ASSEMBLY MUST BE RE-TIGHTENED PRIOR TO MOVING THE VEHICLE.
5. THE 15MM SLP SHOWN IN THE LOAD ARE ALL THE SAME SIZE. HOWEVER, DIFFERENT SIZE 15MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.
6. A TOTAL OF EIGHT WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
7. STRAPS MARKED ② MUST ALWAYS BE POSITIONED FROM A TIEDOWN ANCHOR ON SIDE OF VEHICLE, UP AND OVER THE SIDE OF THE 15-COMPARTMENT LRS ASSEMBLY, AS SHOWN IN THE LOAD ABOVE, TO PREVENT THE LOAD FROM BEARING AGAINST THE SIDE WALLS OF THE VEHICLE. SEE SPECIAL NOTE 7 ON PAGE 30.

FIFTEEN 15MM SLP IN EACH 15-COMPARTMENT LRS ASSEMBLY.

INDICATES TIEDOWN ANCHORS ON FLOOR OF VEHICLE.

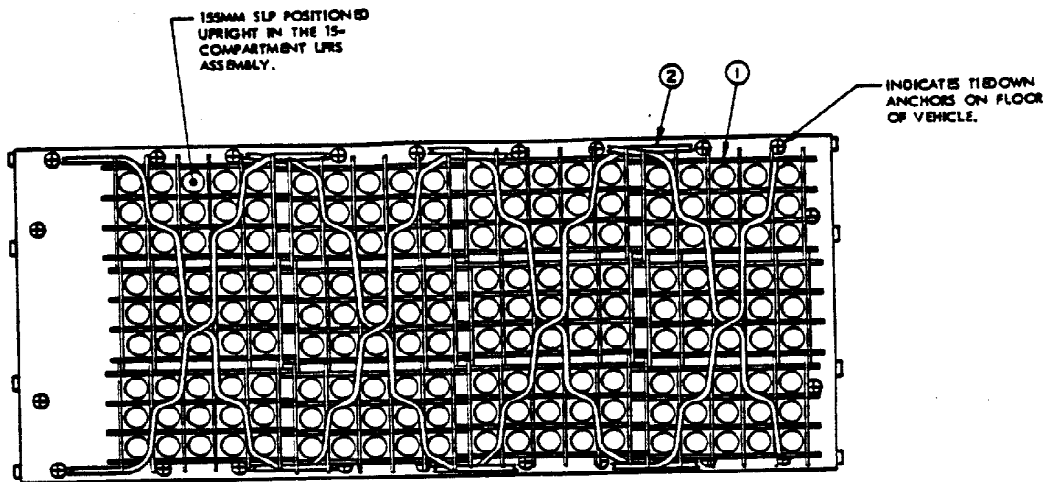
KEY NUMBERS

- ① FIFTEEN-COMPARTMENT LRS ASSEMBLY (12 REQD). SEE THE "FIFTEEN-COMPARTMENT LRS ASSEMBLY" ON PAGE 45. SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST FORTY-EIGHT INCHES APART, ANYWHERE ALONG THE SIDE WALL OF THE VEHICLE AND POSITION THE LRS ASSEMBLY BETWEEN THE SELECTED TIEDOWN ANCHORS AND CENTERED ACROSS THE VEHICLE WIDTH. SEE SPECIAL NOTE 3 ON PAGE 44.
- ② WEB STRAP TIEDOWN ASSEMBLY (8 REQD). TWO STRAPS ARE REQUIRED TO SECURE EACH ROW OF THREE FIFTEEN-COMPARTMENT LRS ASSEMBLIES TO THE VEHICLE. INSTALL EACH STRAP TO EXTEND FROM A TIEDOWN ANCHOR ON THE FLOOR OF THE VEHICLE, DIAGONALLY OVER TOP OF LRS ASSEMBLIES AS SHOWN IN THE "PLAN VIEW" ON PAGE 45. POSITION STRAPS BETWEEN THE PROJECTILES IN AS STRAIGHT A PATH AS POSSIBLE FROM ONE CORNER TO THE DIAGONALLY OPPOSITE CORNER AND ATTACH STRAP TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE OF THE VEHICLE. STRAPS SHOULD CROSS IN THE APPROXIMATE CENTER OF THE LRS ASSEMBLIES, AS SHOWN. TAKE UP EXCESS SLACK IN STRAPS AND THEN RATCHET TIGHT UNTIL SIDE PANELS ON THE LRS ASSEMBLIES BIND SLIGHTLY. SEE SPECIAL NOTES 4 AND 5 ON PAGE 44. SEE LOAD GUIDANCE NOTE 7.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
15MM SLP	180	17,100 LBS

REAR OF
VEHICLE. →



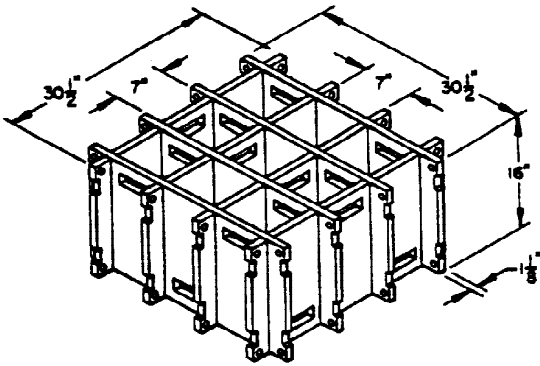
TOP VIEW

(SEE THE "ISOMETRIC VIEW" ON PAGE 42)

SPECIAL NOTES:

1. THE LOADS SHOWN ON PAGES 44 THROUGH 57 DEPICT TESTED METHODS OF SECURING "LOOSE" 155MM SEPARATE LOADING PROJECTILES IN THE "LOOSE PROJECTILE RESTRAINT SYSTEM (LPRS)" IN/ON TACTICAL VEHICLES.
2. THE TERM "LOOSE" PROJECTILES REFERS TO PROJECTILES REMAINING AFTER THE STEEL UNITIZING STRAPS ON A PALLETIZED UNIT HAVE BEEN CUT AND THE PROJECTILES REMOVED FROM THE PALLET BASE AND COVER ASSEMBLY. SEE "LOADING, TIEDOWN, AND UNLOADING PROCEDURES" NOTE 8 ON PAGE 5.
3. THE TACTICAL VEHICLES SHOWN ARE TYPICAL ONLY AND OTHER TYPES OF VEHICLES MAY BE USED IN LIEU OF THOSE SHOWN AS LONG AS THEY COMPLY WITH GENERAL NOTE "C" ON PAGE 2. CAUTION: IF LOADING LPRS ASSEMBLIES IN/ON A "HEMTT" SEE PAGES 40 THROUGH 43 IN THE SPECIAL HEMTT SECTION.
4. THE PURPOSE OF THE LPRS IS TO PROVIDE A FAST, SIMPLE METHOD OF SECURING "LOOSE" PROJECTILES IN A TACTICAL VEHICLE. THE LPRS MEETS THE REQUIREMENT; HOWEVER, DURING CROSS COUNTRY MOVEMENT THE LPRS ASSEMBLY AND PROJECTILES MAY SLIDE A BIT WITHIN THE COMPINES OF THE WEB STRAP TIEDOWN ASSEMBLY. THE PROJECTILES MAY "BOUNCE" AND/OR "SWAY BACK-AND-FORTH" OVER ROUGH TERRAIN, AND THE LPRS PANELS MAY BEND AND/OR BOW OUT IN PLACES. THIS IS AN EXPECTED CHARACTERISTIC OF THE LPRS ASSEMBLY AND AFTER BEING REMOVED FROM THE VEHICLE IT WILL RE-FORM ITSELF BACK TO NEAR ORIGINAL SHAPE UNLESS EXTENSIVE CRUSHING DAMAGE HAS BEEN DONE.
5. SEE PAGE 45 FOR NINE COMPARTMENT, FIFTEEN COMPARTMENT, AND TWENTY-FIVE COMPARTMENT LPRS ASSEMBLY GUIDANCE.
6. WHEN PLACING AN ALREADY ASSEMBLED LPRS ASSEMBLY IN THE VEHICLE, OR ASSEMBLING AN LPRS ASSEMBLY IN THE VEHICLE, IT SHOULD BE NOTED THAT IF THE LPRS ASSEMBLY IS POSITIONED, OR ASSEMBLED IN POSITION, WITH THE TWO HANDLES ON THE SHORT PANELS AT THE TOP, THE SHORT PANELS CAN BE LIFTED UP AND OUT OF THE LPRS ASSEMBLY FOR EASY REMOVAL OF THE PROJECTILES. IF THE LPRS ASSEMBLY IS POSITIONED WITH THE ONE HANDLE ON THE SHORT PANELS AT THE TOP, THE LONG PANELS CAN BE LIFTED UP AND OUT OF THE LPRS ASSEMBLY FOR EASY REMOVAL OF THE PROJECTILES.
7. ALL LPRS ASSEMBLIES MUST BE HELD-DOWN WITH ONE OR MORE WEB STRAPS IN SUCH A MANNER THAT THE LPRS ASSEMBLY CANNOT "WORK UP" AND "JUMP" THE PROJECTILES UNDERNEATH. EACH LPRS ASSEMBLY POSITIONED AGAINST THE SIDEWALL MUST BE SECURED TO THE SIDE WALL WITH ONE WEB STRAP AS SHOWN ON PAGE 48. THIS STRAP MUST ALWAYS BE POSITIONED IN THE TOP STRAP NOTCHES ON THE LPRS ASSEMBLY IN ORDER TO PROVIDE THE PROPER HOLD-DOWN. IF THREE IS COMPARTMENT LPRS ASSEMBLIES ARE POSITIONED ACROSS THE WIDTH OF THE VEHICLE, AND ARE NOT POSITIONED AGAINST AN END WALL, THE LPRS ASSEMBLY CAN BE HELD DOWN BY CROSSING THE WEB STRAPS OVER THE TOP OF THE LPRS ASSEMBLY AS SHOWN IN THE LOAD ON PAGE 49. IF ONE OR TWO LPRS ASSEMBLIES ARE POSITIONED AGAINST AN END WALL THEY CAN BE HELD DOWN AS SHOWN IN THE LOAD ON PAGE 50. IF THE LPRS ASSEMBLIES ARE TO BE LOADED IN/ON VEHICLES HAVING TIEDOWN ANCHORS LOCATED IN THE FLOOR, IN LIEU OF THE SIDE AND END WALLS, SEE THE LOAD ON PAGES 40 THROUGH 43 FOR GUIDANCE.
8. THE PROJECTILES POSITIONED IN THE LPRS ASSEMBLY ARE NOT HELD-DOWN; HOWEVER, THEY ARE RESTRAINED FROM EXCESSIVE LONGITUDINAL AND/OR LATERAL MOVEMENT BY THE LPRS ASSEMBLY COMPARTMENT WALLS, WHICH ALSO PREVENT THE PROJECTILES FROM CONTACTING EACH OTHER.
9. THE LOADS SHOWN ON PAGES 46 THROUGH 54 DEPICT THE FIFTEEN COMPARTMENT LPRS ASSEMBLIES. HOWEVER, IF DESIRED, A NINE COMPARTMENT LPRS ASSEMBLY CAN BE ASSEMBLED BY USING EIGHT OF THE SHORT PANELS AS SHOWN ON PAGES 45, 55, AND 56, AND A TWENTY-FIVE COMPARTMENT LPRS ASSEMBLY CAN BE ASSEMBLED BY USING TWELVE OF THE LONG PANELS AS SHOWN ON PAGES 45 AND 57.
10. FOR IDENTIFICATION AND ORDERING PURPOSES, THE FOLLOWING NATIONAL STOCK NUMBERS (NSN) HAVE BEEN ASSIGNED TO THE LPRS PANELS AND IS COMPARTMENT ASSEMBLY:

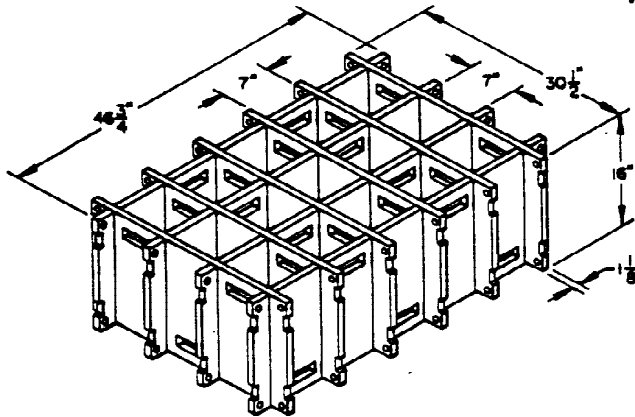
SHORT PANEL----- NSN 2990-01-229-2945
LONG PANEL----- NSN 2990-01-229-2944
IS COMPARTMENT ASSEMBLY --- NSN 2990-01-229-2949



NINE COMPARTMENT LPRS ASSEMBLY

NINE COMPARTMENT LPRS ASSEMBLY GUIDANCE

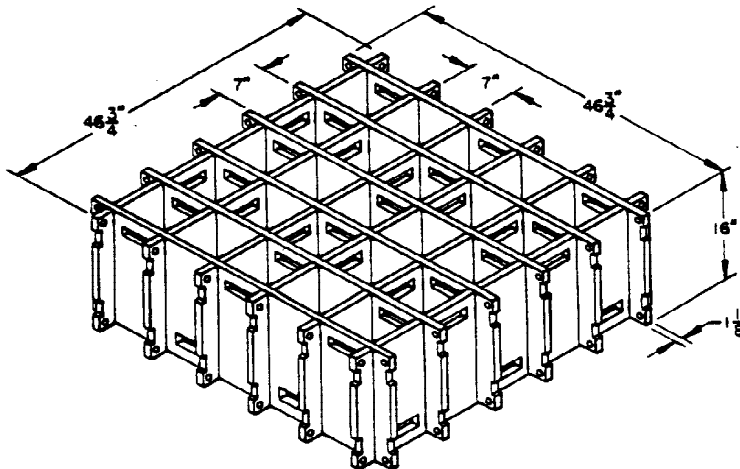
EACH 9-COMPARTMENT LPRS ASSEMBLY IS FABRICATED FROM EIGHT SHORT PANELS WHICH ARE 1-1/8" THICK BY 16" WIDE BY 30-1/2" LONG. EACH SHORT PANEL HAS FOUR "MATING SLOTS". THE EIGHT SHORT PANELS ARE MATED TOGETHER BY POSITIONING FOUR PANELS ON THE FLOOR, ON EDGE, SIDE-BY-SIDE, IN LINE WITH EACH OTHER, APPROXIMATELY EIGHT INCHES APART WITH SLOTS-UP. STARTING AT ONE END OF THE PANELS POSITION A PANEL, SLOTS-DOWN, INTO THE END SLOTS ON ALL FOUR BOTTOM PANELS. PUSH THE PANEL ALL THE WAY DOWN UNTIL IT CONTACTS THE FLOOR. THIS PARTIAL ASSEMBLY WILL NOW STAND BY ITSELF. NEXT, POSITION THE REMAINING THREE PANELS IN THE SAME MANNER. THE ASSEMBLY WILL HAVE NINE COMPARTMENTS WHICH MEASURE 7" X 7".



FIFTEEN COMPARTMENT LPRS ASSEMBLY

FIFTEEN COMPARTMENT LPRS ASSEMBLY GUIDANCE

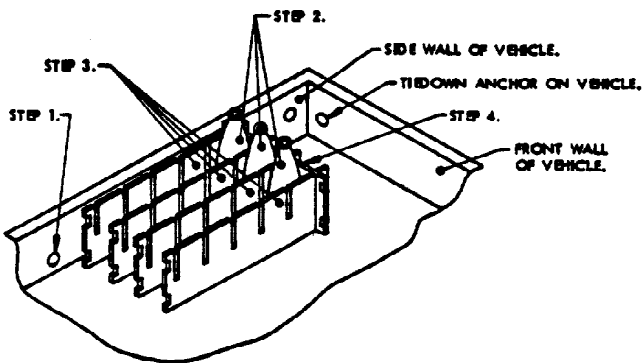
EACH 15-COMPARTMENT LPRS ASSEMBLY IS FABRICATED FROM SIX SHORT PANELS WHICH ARE 1-1/8" THICK BY 16" WIDE BY 30-1/2" LONG AND FOUR LONG PANELS WHICH ARE 1-1/8" THICK BY 16" WIDE BY 46-3/4" LONG. EACH SHORT PANEL HAS FOUR "MATING SLOTS" AND EACH LONG PANEL HAS SIX "MATING SLOTS". THE SIX SHORT PANELS AND FOUR LONG PANELS ARE MATED TOGETHER BY POSITIONING THE FOUR LONG PANELS ON THE FLOOR, ON EDGE, SIDE-BY-SIDE, IN LINE WITH EACH OTHER, APPROXIMATELY EIGHT INCHES APART WITH SLOTS-UP. STARTING AT ONE END OF THE LONG PANELS POSITION THE FIRST SHORT PANEL, SLOTS-DOWN, INTO THE END SLOTS ON ALL FOUR LONG PANELS. PUSH THE SHORT PANEL ALL THE WAY DOWN UNTIL IT CONTACTS THE FLOOR. THIS PARTIAL ASSEMBLY WILL NOW STAND BY ITSELF. NEXT, POSITION THE REMAINING FIVE SHORT PANELS IN THE SAME MANNER. THE ASSEMBLY WILL HAVE FIFTEEN COMPARTMENTS WHICH MEASURE 7" X 7".



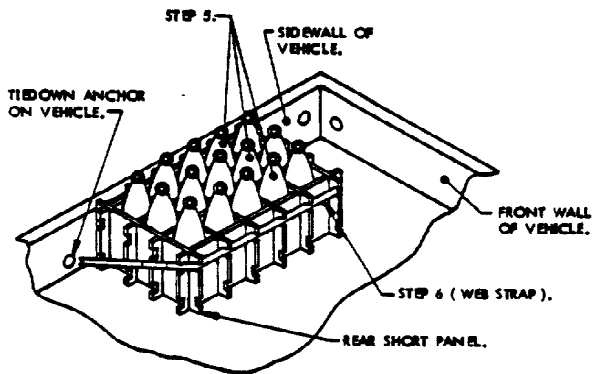
TWENTY-FIVE COMPARTMENT LPRS ASSEMBLY

TWENTY-FIVE COMPARTMENT LPRS ASSEMBLY GUIDANCE

EACH 25-COMPARTMENT LPRS ASSEMBLY IS FABRICATED FROM TWELVE LONG PANELS WHICH ARE 1-1/8" THICK BY 16" WIDE BY 46-3/4" LONG. EACH LONG PANEL HAS SIX "MATING SLOTS". THE TWELVE LONG PANELS ARE MATED TOGETHER BY POSITIONING SIX PANELS ON THE FLOOR, ON EDGE, SIDE-BY-SIDE, IN LINE WITH EACH OTHER, APPROXIMATELY EIGHT INCHES APART WITH SLOTS-UP. STARTING AT ONE END OF THE PANELS POSITION A PANEL, SLOTS-DOWN, INTO THE END SLOTS ON ALL FOUR BOTTOM PANELS. PUSH THE PANEL ALL THE WAY DOWN UNTIL IT CONTACTS THE FLOOR. THIS PARTIAL ASSEMBLY WILL NOW STAND BY ITSELF. NEXT, POSITION THE REMAINING FIVE PANELS IN THE SAME MANNER. THE ASSEMBLY WILL HAVE TWENTY-FIVE COMPARTMENTS WHICH MEASURE 7" X 7".



DETAIL A



DETAIL B

NOTE:

USE THIS METHOD WHEN LOADING AND UNLOADING FROM THE REAR OF THE LPRS ASSEMBLY TO THE REAR OF THE VEHICLE IS DESIRED. FOLLOW INSTRUCTIONS IN STEP 1 THROUGH STEP 9 BELOW. NOTE THAT THE LONG PANELS ARE POSITIONED FIRST WITH SLOTS-UP. THE SHORT PANELS MAY BE LIFTED UP AND SET ASIDE FOR EASY REMOVAL OF THE PROJECTILES.

THESE PROCEDURES ARE FOR THE REAR LOADING METHOD FOR THE 15-COMPARTMENT LPRS ASSEMBLY SHOWN AGAINST THE SIDE WALL

STEP 1: THE 15-COMPARTMENT LPRS ASSEMBLY MAY BE POSITIONED ANYWHERE ALONG THE SIDE WALL OF THE VEHICLE. SELECT TWO TIEDOWN ANCHORS AT LEAST FORTY-EIGHT INCHES APART TO WHICH THE WEB STRAP TIEDOWN ASSEMBLY WILL BE ATTACHED. NOTE, THE FARTHER APART THE TIEDOWN ANCHORS ARE, THE MORE THE 15-COMPARTMENT LPRS ASSEMBLY WILL MOVE DURING CROSS COUNTRY TRANSPORT AND/OR EMERGENCY STOPS.

STEP 2: POSITION THE FIRST ROW OF THREE PROJECTILES AT THE APPROXIMATE LOCATION THEY WILL BE IN THE LPRS ASSEMBLY WHEN THE LPRS ASSEMBLY IS CENTERED BETWEEN THE TWO SELECTED TIEDOWN ANCHORS. SEE "DETAIL A" ON THIS PAGE.

STEP 3: LEAN THE FOUR LONG PANELS, SLOTS-UP, AGAINST THE FIRST ROW OF THREE PROJECTILES. SEE "DETAIL A" ON THIS PAGE.

STEP 4: STARTING AT THE FORWARD END POSITION THE FIRST SHORT PANEL, SLOTS-DOWN, INTO THE END SLOTS ON THE FOUR LONG PANELS. MAKE ADJUSTMENTS TO THE FIRST ROW OF THREE PROJECTILES IF NECESSARY, THEN POSITION THE SECOND SHORT PANEL, SLOTS-DOWN, INTO THE SLOTS ON THE FOUR LONG PANELS IMMEDIATELY TO THE REAR OF THE FIRST ROW OF THREE PROJECTILES. SEE "DETAIL A" AND "DETAIL B", ON THIS PAGE.

STEP 5: POSITION THE SECOND ROW OF THREE PROJECTILES ADJACENT TO THE FIRST ROW AND THEN POSITION THE THIRD SHORT PANEL SLOTS-DOWN, INTO THE SLOTS ON THE FOUR LONG PANELS, IMMEDIATELY TO THE REAR OF THE SECOND ROW OF THREE PROJECTILES. REPEAT THIS PROCEDURE FOR ROWS THREE, FOUR, AND FIVE. SEE "DETAIL B".

STEP 6: ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO THE PRE-SELECTED TIEDOWN ANCHOR ON THE SIDEWALL OF THE VEHICLE. POSITION STRAP INTO THE TOP STRAP SLOTS ON THE SIX SHORT PANELS OF THE LPRS ASSEMBLY AND POSITION ONE STRAP SLEEVE AT EACH CORNER. ATTACH THE OTHER END OF STRAP TO THE PRE-SELECTED TIEDOWN ANCHOR ON THE SIDEWALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS BIND IN SLIGHTLY. SEE "DETAIL B" ON THIS PAGE.

STEP 7: IF TIME PERMITS, FOLD UP LOOSE END OF STRAP AND SECURE TO THE TENSIONED STRAP WITH TAPE OR WIRE TIE.

STEP 8: WHEN UNLOADING THE PROJECTILES RELEASE THE TENSION ON THE STRAP WITH THE STRAP RATCHET. LOOSEN THE STRAP AND REMOVE STRAP FROM TOP STRAP SLOTS ON THE SIX SHORT PANELS OF THE LPRS ASSEMBLY.

STEP 9: LIFT UP AND REMOVE THE REAR SHORT PANEL. THIS PROVIDES EASY ACCESS TO THE REAR ROW OF THREE PROJECTILES. REMOVE THE REAR ROW OF THREE PROJECTILES AND THEN LIFT UP AND REMOVE THE NEXT SHORT PANEL. REPEAT THIS PROCEDURE UNTIL THE DESIRED QUANTITY OR ALL 15 PROJECTILES ARE REMOVED. DO NOT REMOVE THE LAST SHORT PANEL AS IT WILL HOLD THE FOUR LONG PANELS IN POSITION FOR RE-LOADING.

NOTE: SEE "METHOD A" AND "METHOD B" BELOW FOR ALTERNATIVE METHODS OF LOADING AND UNLOADING THE LPRS ASSEMBLY.

ALTERNATIVE METHODS FOR ASSEMBLY, TIEDOWN, AND DISASSEMBLY OF THE 15-COMPARTMENT LPRS ASSEMBLY

PRIOR TO LOADING AND ASSEMBLING THE 15-COMPARTMENT LPRS ASSEMBLY IN THE VEHICLE, AS SHOWN ON THIS PAGE, IT SHOULD BE NOTED THAT ANY OF THE FOLLOWING ALTERNATIVE METHODS, OR A COMBINATION OF THESE METHODS, MAY BE USED.

METHOD A: THE LPRS CAN BE COMPLETELY ASSEMBLED OUTSIDE OR INSIDE OF THE VEHICLE AND THEN PLACED INTO THE DESIRED POSITION AGAINST A SIDE WALL OF THE VEHICLE. SEE THE 15-COMPARTMENT LPRS ASSEMBLY ON PAGE 43.

NEXT THE PROJECTILES CAN BE LIFTED UP HIGH ENOUGH TO CLEAR THE LPRS ASSEMBLY AND SET DOWN INTO THE COMPARTMENTS.

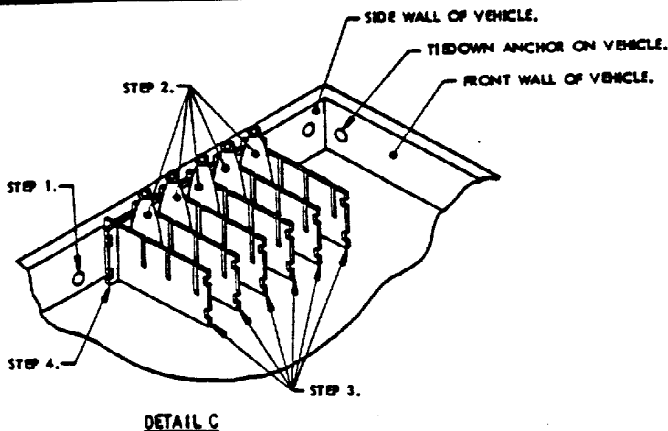
WHEN THE LPRS ASSEMBLY IS FULL, SECURE TO THE SIDE WALL OF THE VEHICLE WITH ONE WEB STRAP TIEDOWN ASSEMBLY AS INSTRUCTED IN STEPS 6 AND 7 ABOVE.

WHEN UNLOADING THE PROJECTILES THE LPRS ASSEMBLY MAY BE LEFT SECURED TO THE SIDE WALL OF THE VEHICLE AND THE DESIRED QUANTITY OF PROJECTILES MAY BE LIFTED UP AND OUT OF THE COMPARTMENTS.

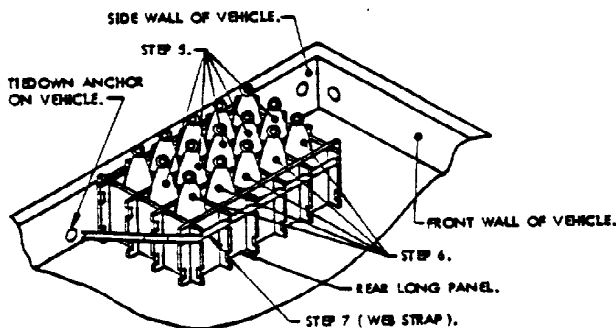
IF DESIRED, THE WEB STRAP TIEDOWN ASSEMBLY MAY BE REMOVED AND TWO PERSONS CAN LIFT THE COMPLETE LPRS ASSEMBLY UP AND SET IT ASIDE, FOR EASY REMOVAL OF THE PROJECTILES.

METHOD B: THE LPRS ASSEMBLY CAN BE PARTIALLY ASSEMBLED AS SHOWN IN "DETAIL A" ON THIS PAGE BY MANUALLY HOLDING THE BOTTOM PANELS IN POSITION WITH SLOTS-UP WHILE THE FIRST TOP PANEL WITH SLOTS-DOWN IS MATED INTO THE END SLOTS ON THE BOTTOM PANELS.

THIS PARTIAL ASSEMBLY CAN THEN BE PLACED INTO POSITION AND IS READY FOR THE FIRST ROW OF PROJECTILES.



DETAIL C



DETAIL D

NOTE:

USE THIS METHOD WHEN LOADING AND UNLOADING FROM THE SIDE OF THE LPRS ASSEMBLY IS DESIRED. FOLLOW INSTRUCTIONS IN STEP 1 THROUGH STEP 10 BELOW. NOTE THAT THE SHORT PANELS ARE POSITIONED FIRST WITH SLOTS-UP. THE LONG PANELS MAY BE LIFTED UP AND SET ASIDE FOR EASY REMOVAL OF THE PROJECTILES.

THESE PROCEDURES ARE FOR THE SIDE LOADING METHOD FOR THE 15-COMPARTMENT LPRS ASSEMBLY SHOWN AGAINST THE SIDE WALL

- STEP 1: THE 15-COMPARTMENT LPRS ASSEMBLY MAY BE POSITIONED ANYWHERE ALONG THE SIDE WALL OF THE VEHICLE. SELECT TWO TIEDOWN ANCHORS AT LEAST FORTY-EIGHT INCHES APART TO WHICH THE WEB STRAP TIEDOWN ASSEMBLY WILL BE ATTACHED. NOTE: THE FARTHER APART THE TIEDOWN ANCHORS ARE, THE MORE THE 15-COMPARTMENT LPRS ASSEMBLY WILL MOVE DURING CROSS COUNTRY TRANSPORT AND/OR EMERGENCY STOPS.
- STEP 2: POSITION THE FIRST ROW OF FIVE PROJECTILES AT THE APPROXIMATE LOCATION THEY WILL BE IN THE LPRS ASSEMBLY WHEN THE LPRS ASSEMBLY IS CENTERED BETWEEN THE TWO SELECTED TIEDOWN ANCHORS. SEE "DETAIL C" ON THIS PAGE.
- STEP 3: LEAN THE SIX SHORT PANELS, SLOTS-UP, AGAINST THE FIRST ROW OF FIVE PROJECTILES. SEE "DETAIL C" ON THIS PAGE.
- STEP 4: POSITION THE FIRST LONG PANEL, SLOTS-DOWN, INTO THE END SLOTS OF ALL SIX SHORT PANELS, BETWEEN THE SIDE WALL OF THE VEHICLE AND THE FIVE PROJECTILES. MAKE ADJUSTMENTS TO THE FIRST ROW OF FIVE PROJECTILES IF NECESSARY, THEN POSITION THE SECOND LONG PANEL, SLOTS-DOWN, INTO THE SLOTS OF ALL SIX SHORT PANELS, IMMEDIATELY TO THE REAR OF THE FIRST ROW OF FIVE PROJECTILES. SEE "DETAIL C" AND "DETAIL D" ON THIS PAGE.
- STEP 5: POSITION THE SECOND ROW OF FIVE PROJECTILES ADJACENT TO THE FIRST ROW AND THEN POSITION THE THIRD LONG PANEL, SLOTS-DOWN, INTO THE SLOTS OF ALL SIX SHORT PANELS, IMMEDIATELY TO THE REAR OF THE SECOND ROW OF FIVE PROJECTILES. SEE "DETAIL D" ON THIS PAGE.
- STEP 6: POSITION THE THIRD ROW OF FIVE PROJECTILES ADJACENT TO THE SECOND ROW AND THEN POSITION THE FOURTH LONG PANEL, SLOTS-DOWN, INTO THE SLOTS OF ALL SIX SHORT PANELS, IMMEDIATELY TO THE REAR OF THE THIRD ROW OF FIVE PROJECTILES. SEE "DETAIL D" ON THIS PAGE.
- STEP 7: ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO THE PRE-SELECTED TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE. POSITION STRAP INTO THE TOP STRAP SLOTS ON THE SIX SHORT PANELS AND POSITION ONE STRAP SCURF SLEEVE AT EACH CORNER. ATTACH THE OTHER END OF STRAP TO THE PRE-SELECTED TIEDOWN ANCHOR ON THE SIDEWALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS BEND IN SLIGHTLY. SEE "DETAIL D" ON THIS PAGE.
- STEP 8: IF TIME PERMITS, FOLD UP LOOSE END OF STRAP AND SECURE TO THE TENSIONED STRAP WITH TAPE OR WIRE TIE.
- STEP 9: WHEN UNLOADING THE PROJECTILES RELEASE THE TENSION ON THE STRAP WITH THE STRAP RATCHET. LOOSEN THE STRAP AND REMOVE STRAP FROM TOP STRAP SLOTS ON THE SIX SHORT PANELS OF THE LPRS ASSEMBLY.
- STEP 10: LIFT UP AND REMOVE THE REAR LONG PANEL. THIS PROVIDES EASY ACCESS TO THE REAR ROW OF FIVE PROJECTILES. REMOVE THE REAR ROW OF FIVE PROJECTILES AND THEN LIFT UP AND REMOVE THE NEXT LONG PANEL. REPEAT THIS PROCEDURE UNTIL THE DESIRED QUANTITY OR ALL 15 PROJECTILES ARE REMOVED. DO NOT REMOVE THE LAST LONG PANEL, AS IT WILL HOLD THE SIX SHORT PANELS IN POSITION FOR RE-LOADING.

NOTE: SEE "METHOD A" AND "METHOD B" BELOW FOR ALTERNATIVE METHODS OF LOADING AND UNLOADING THE LPRS ASSEMBLY.

ALTERNATIVE METHODS FOR ASSEMBLY, TIEDOWN, AND DISASSEMBLY OF THE 15-COMPARTMENT LPRS ASSEMBLY

PRIOR TO LOADING AND ASSEMBLING THE 15-COMPARTMENT LPRS ASSEMBLY IN THE VEHICLE, AS SHOWN ON THIS PAGE, IT SHOULD BE NOTED THAT ANY OF THE FOLLOWING ALTERNATIVE METHODS, OR A COMBINATION OF THESE METHODS, MAY BE USED.

METHOD A: THE LPRS CAN BE COMPLETELY ASSEMBLED OUTSIDE OR INSIDE OF THE VEHICLE AND THEN PLACED INTO THE DESIRED POSITION AGAINST A SIDE WALL OF THE VEHICLE. SEE THE 15-COMPARTMENT LPRS ASSEMBLY ON PAGE 45.

NEXT THE PROJECTILES CAN BE LIFTED UP HIGH ENOUGH TO CLEAR THE LPRS ASSEMBLY AND SET DOWN INTO THE COMPARTMENTS.

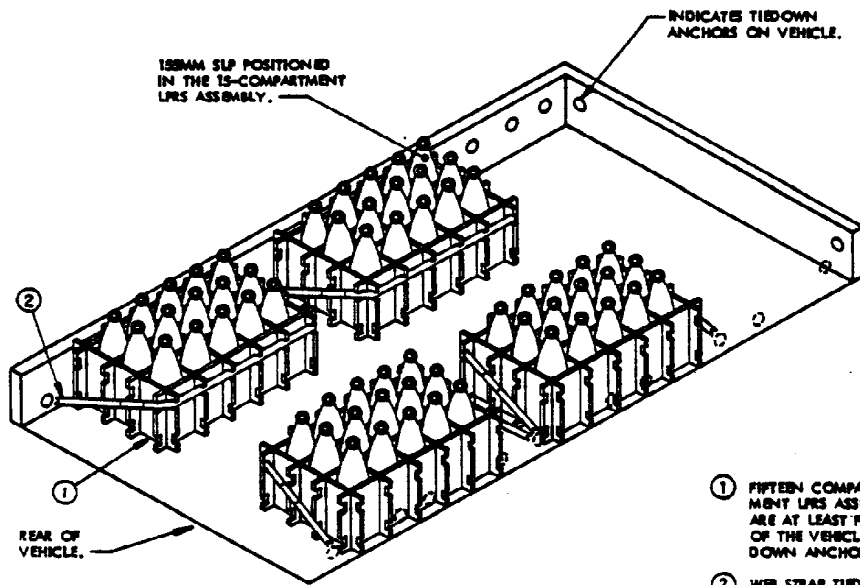
WHEN THE LPRS ASSEMBLY IS FULL, SECURE TO THE SIDE WALL OF THE VEHICLE WITH ONE WEB STRAP TIEDOWN ASSEMBLY AS INSTRUCTED IN STEPS 7 AND 8 ABOVE.

WHEN UNLOADING THE PROJECTILES THE LPRS ASSEMBLY MAY BE LEFT SECURED TO THE SIDE WALL OF THE VEHICLE AND THE DESIRED QUANTITY OF PROJECTILES MAY BE LIFTED UP AND OUT OF THE COMPARTMENTS.

IF DESIRED, THE WEB STRAP TIEDOWN ASSEMBLY MAY BE REMOVED AND TWO PERSONS CAN LIFT THE COMPLETE LPRS ASSEMBLY UP AND SET IT ASIDE, FOR EASY REMOVAL OF THE PROJECTILES.

METHOD B: THE LPRS ASSEMBLY CAN BE PARTIALLY ASSEMBLED AS SHOWN IN "DETAIL A" BY MANUALLY HOLDING THE BOTTOM PANELS IN POSITION WITH SLOTS-UP WHILE THE FIRST TOP PANEL WITH SLOTS-DOWN IS MATED INTO THE END SLOTS ON THE BOTTOM PANELS.

THIS PARTIAL ASSEMBLY CAN THEN BE PLACED INTO POSITION AND IS READY FOR THE FIRST ROW OF PROJECTILES.



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A TYPICAL LOAD OF SIXTY, 155MM SLP, IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL, MAY BE USED FOR A FULL OR A PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
3. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 44 AND 47 PRIOR TO LOADING THE VEHICLES.
4. THIS METHOD PROVIDES AN ACCESS AISLE FOR EASY ACCESS TO ANY INDIVIDUAL PROJECTILE, OR ALL PROJECTILES, WITHIN THE LOAD. ONE OR MORE PROJECTILES CAN BE LIFTED UP AND OUT OF THEIR COMPARTMENT AND CARRIED TO THE REAR OF THE VEHICLE.
5. A TOTAL OF FOUR WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
6. THE 155MM SLP SHOWN IN THE LOAD ARE ALL THE SAME SIZE. HOWEVER, DIFFERENT SIZE 155MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.

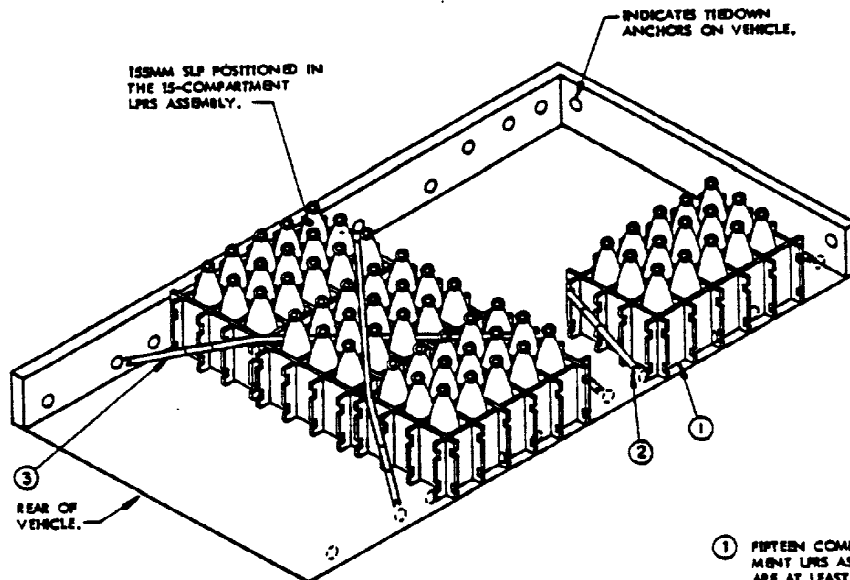
KEY NUMBERS

- ① FIFTEEN COMPARTMENT LPRS ASSEMBLY (4 REQD). SEE THE "FIFTEEN COMPARTMENT LPRS ASSEMBLY" ON PAGE 45. SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST FORTY-EIGHT INCHES APART, ANYWHERE ALONG THE SIDE WALL OF THE VEHICLE AND POSITION THE LPRS ASSEMBLY BETWEEN THE SELECTED TIEDOWN ANCHORS. SEE SPECIAL NOTE 6 ON PAGE 44.
- ② WEB STRAP TIEDOWN ASSEMBLY (4 REQD). ONE WEB STRAP TIEDOWN ASSEMBLY IS REQUIRED TO SECURE EACH LPRS ASSEMBLY TO THE SIDE OF THE VEHICLE. ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. POSITION THE STRAP AROUND THE LPRS ASSEMBLY AND INTO THE TOP STRAP SLOTS ON ALL SIX SHORT PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LPRS ASSEMBLY BEND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.

LOAD AS SHOWN

<u>ITBA</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
155MM SLP	60	5,700 LBS

SIXTY 155MM SLP, IN FOUR 15-COMPARTMENT LPRS ASSEMBLIES, LOADED IN A TRUCK, CARGO, 5-TON, M54



ISOMETRIC VIEW

LOAD GUIDANCE NOTE:

1. A TYPICAL LOAD OF SIXTY, 15MM SLP, IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 86" WIDE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
3. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 46 AND 47 PRIOR TO LOADING THE VEHICLE.
4. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
5. THE 15MM SLP SHOWN IN THE LOAD ARE ALL THE SAME SIZE. HOWEVER, DIFFERENT SIZE 15MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.

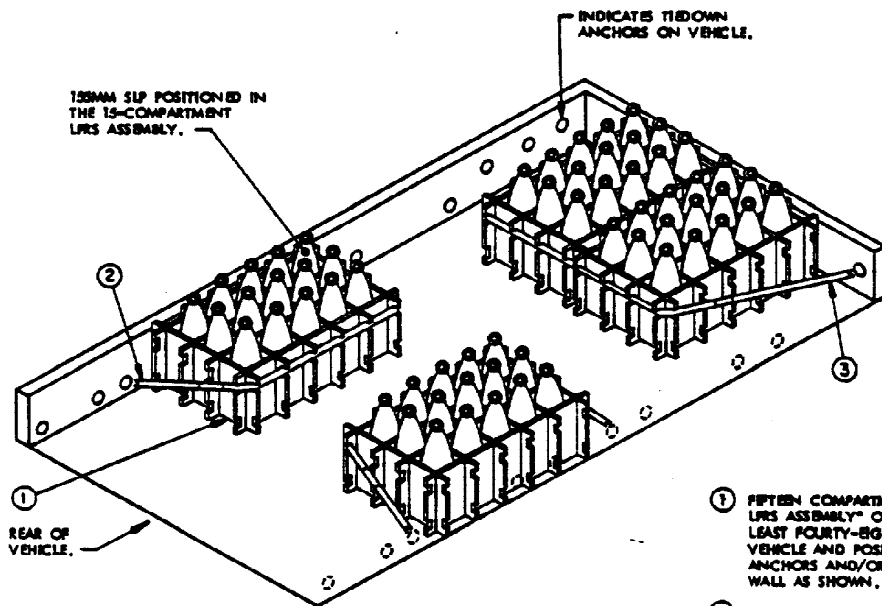
KEY NUMBERS

- ① FIFTEEN COMPARTMENT LPRS ASSEMBLY (4 REQD). SEE THE "FIFTEEN COMPARTMENT LPRS ASSEMBLY" ON PAGE 45. SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST FORTY-EIGHT INCHES APART, ANYWHERE ALONG THE SIDE WALL OF THE VEHICLE AND POSITION THE LPRS ASSEMBLY BETWEEN THE SELECTED TIEDOWN ANCHORS. SEE SPECIAL NOTE 6 ON PAGE 44.
- ② WEB STRAP TIEDOWN ASSEMBLY (1 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. POSITION THE STRAP AROUND THE LPRS ASSEMBLY AND INTO THE TOP STRAP SLOTS ON ALL SIX SHORT PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LPRS ASSEMBLY BEND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. THREAD STRAP DIAGONALLY OVER TOP OF ALL THREE LPRS ASSEMBLIES, BETWEEN PROJECTILES, TO FORM AS STRAIGHT A PATH AS POSSIBLE AND ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. REPEAT THIS PROCEDURE FOR THE SECOND STRAP SO THE STRAPS CROSS IN THE APPROXIMATE CENTER OF THE MIDDLE LPRS ASSEMBLY, AS SHOWN. TAKE UP SLACK IN STRAPS AND THEN RATCHET TIGHT UNTIL SIDE PANELS ON THE LPRS ASSEMBLY BEND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
15MM SLP	60	5,700 LBS

SIXTY 15MM SLP, IN FOUR 15-COMPARTMENT LPRS ASSEMBLIES, LOADED IN A TRUCK, CARGO, 5-TON, M54



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A TYPICAL LOAD OF SIXTY, 15MM, SLP, IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 148" LONG BY 88" WIDE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL AND END WALL MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
3. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 46 AND 47 PRIOR TO LOADING THE VEHICLE.
4. THIS METHOD PROVIDES AN ACCESS AISLE FOR EASY ACCESS TO ANY INDIVIDUAL PROJECTILE, OR ALL PROJECTILES WITHIN THE LOAD. ONE OR MORE PROJECTILES CAN BE LIFTED UP AND OUT OF THEIR COMPARTMENT AND CARRIED TO THE REAR OF THE VEHICLE.
5. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
6. THE 15MM SLP SHOWN IN THE LOAD ARE ALL THE SAME SIZE, HOWEVER, DIFFERENT SIZE 15MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.

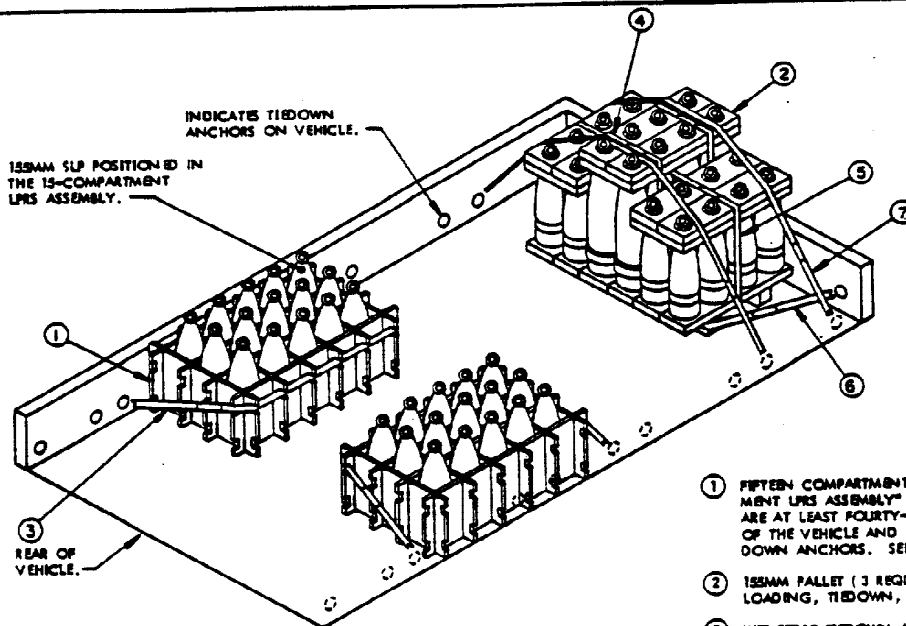
KEY NUMBERS

- ① FIFTEEN COMPARTMENT LRS ASSEMBLY (4 REQD). SEE THE "15-COMPARTMENT LRS ASSEMBLY" ON PAGE 48. SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST FORTY-EIGHT INCHES APART, ANYWHERE ALONG THE SIDE WALL OF THE VEHICLE AND POSITION THE LRS ASSEMBLY BETWEEN THE SELECTED TIEDOWN ANCHORS AND/OR POSITION THE LRS ASSEMBLY AGAINST THE FORWARD END WALL AS SHOWN. SEE SPECIAL NOTE 6 ON PAGE 44.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD). ONE WEB STRAP TIEDOWN ASSEMBLY IS REQUIRED TO SECURE EACH LRS ASSEMBLY TO THE SIDE OF THE VEHICLE. ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LRS ASSEMBLY. POSITION THE STRAP AROUND THE LRS ASSEMBLY AND INTO THE TOP STRAP SLOTS ON ALL SIX SHORT PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LRS ASSEMBLY. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LRS ASSEMBLY BEND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.
- ③ WEB STRAP TIEDOWN ASSEMBLY (1 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE END WALL OF THE VEHICLE. POSITION THE STRAP AROUND BOTH LRS ASSEMBLIES AND INTO THE TOP STRAP SLOTS ON ALL EIGHT LONG PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE END WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LRS ASSEMBLY BEND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
15MM SLP	60	5,700 LBS

SIXTY 15MM SLP, IN FOUR 15-COMPARTMENT LRS ASSEMBLIES, LOADED IN A TRUCK, CARGO, 5-TON, M54



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A TYPICAL LOAD OF FIFTY-FOUR, 15MM SLP, IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL AND END WALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
3. THE LOAD SHOWN CONSISTS OF THIRTY 15MM SLP IN TWO FIFTEEN COMPARTMENT LRS ASSEMBLIES AND TWENTY-FOUR 15MM SLP IN THREE 15MM PALLETS FROM WHICH THE STEEL UNITIZING STRAPS HAVE BEEN REMOVED. THE LOAD IS TYPICAL ONLY AND MAY CONSIST OF MORE-OR-LESS LRS ASSEMBLIES AND/OR 15MM PALLETS. AN ACCESS AISLE IS PROVIDED FROM THE REAR TO THE FRONT OF THE VEHICLE.
4. THIS METHOD PROVIDES EASY ACCESS TO ANY INDIVIDUAL PROJECTILE, OR ALL PROJECTILES, WITHIN THE LOAD. ONE OR MORE PROJECTILES CAN BE LIFTED UP AND OUT OF THE COMPARTMENTS IN THE LRS ASSEMBLIES AND CARRIED TO THE REAR OF THE VEHICLE OR BY REMOVING THE STRAPS AND PALLET COVER ASSEMBLIES ONE OR MORE PROJECTILES CAN BE LIFTED UP AND OUT OF THE PALLET BASE ASSEMBLY AND CARRIED TO THE REAR OF THE VEHICLE.
5. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 46 AND 47 PRIOR TO LOADING THE VEHICLE.
6. A TOTAL OF EIGHT WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.

KEY NUMBERS

- ① FIFTEEN COMPARTMENT LRS ASSEMBLY (2 REQD). SEE THE "FIFTEEN COMPARTMENT LRS ASSEMBLY" ON PAGE 48. SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST FORTY-EIGHT INCHES APART, ANYWHERE ALONG THE SIDE WALL OF THE VEHICLE AND POSITION THE LRS ASSEMBLY BETWEEN THE SELECTED TIEDOWN ANCHORS. SEE SPECIAL NOTE 6 ON PAGE 44.
- ② 15MM PALLET (3 REQD). SEE LOAD GUIDANCE NOTE 3 ON THIS PAGE AND LOADING, TIEDOWN, AND UNLOADING PROCEDURE NOTE 8 ON PAGE 5.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LRS ASSEMBLY. POSITION THE STRAP AROUND THE LRS ASSEMBLY AND INTO THE TOP STRAP SLOTS ON ALL SIX SHORT PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LRS ASSEMBLY. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LRS ASSEMBLY BIND IN SLIGHTLY.. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.
- ④ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO ENCIRCLE THE COVER ASSEMBLY AND BASE ASSEMBLY OF THE CENTER PALLET UNIT. HOOK ENDS OF STRAP TOGETHER AND RATCHET TIGHTLY.
- ⑤ WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL STRAP TO ENCIRCLE ALL THREE PALLETS, PASSING UNDER THE COVER OF THE TALL CENTER PALLET UNIT, AS SHOWN. HOOK ENDS OF STRAP TOGETHER AND RATCHET TIGHTLY.
- ⑥ WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL STRAP FROM A TIEDOWN FITTING ON FRONT WALL OF VEHICLE, AROUND PALLET SKIDS, TO THE OPPOSITE TIEDOWN FITTING ON THE FRONT WALL OF THE VEHICLE. RATCHET TIGHTLY.
- ⑦ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL STRAPS FROM A TIEDOWN FITTING ON THE SIDE WALL OF THE VEHICLE, OVER TOP OF ALL THREE PALLET UNITS, TO A TIEDOWN FITTING ON OPPOSITE SIDE WALL OF VEHICLE. RATCHET TIGHTLY.

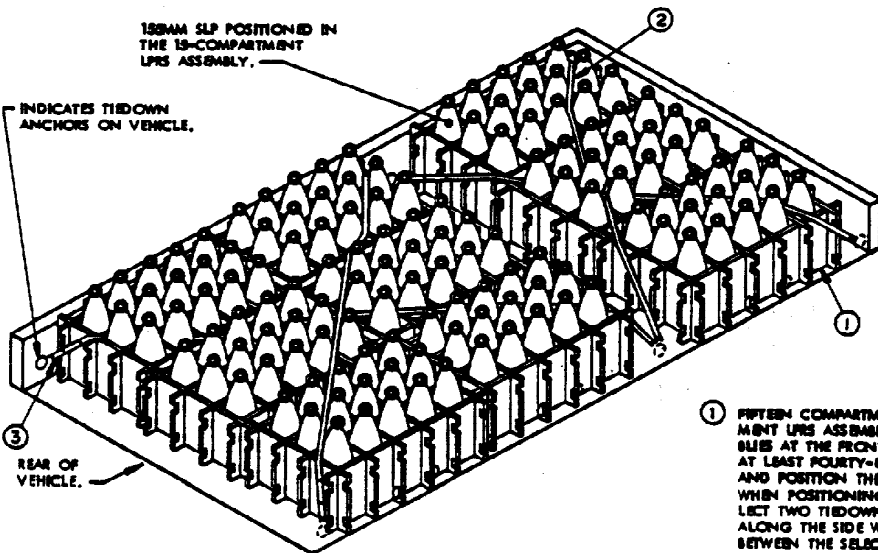
LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
15MM SLP	54	5,241 LBS

THIRTY 15MM SLP, IN TWO 15-COMPARTMENT LRS ASSEMBLIES, AND TWENTY-FOUR 15MM SLP IN THREE PALLETS, LOADED IN A TRUCK, CARGO, 5-TON, M54

153MM SLP POSITIONED IN
THE 15-COMPARTMENT
LPRS ASSEMBLY.

INDICATES TIEDOWN
ANCHORS ON VEHICLE.



REAR OF
VEHICLE.

ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A MAXIMUM LOAD OF ONE HUNDRED AND THIRTY-FIVE, 153MM, SLP, IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING INSIDE DIMENSIONS OF 168" LONG BY 88" WIDE. NOTE: THIS LOAD EXCEEDS THE OFF-HIGHWAY WEIGHT LIMIT OF THE VEHICLE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
3. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 46 AND 47 PRIOR TO LOADING THE VEHICLE.
4. A TOTAL OF FOUR WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
5. THE 153MM SLP SHOWN IN THE LOAD ARE ALL THE SAME SIZE. HOWEVER, DIFFERENT SIZE 153MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.

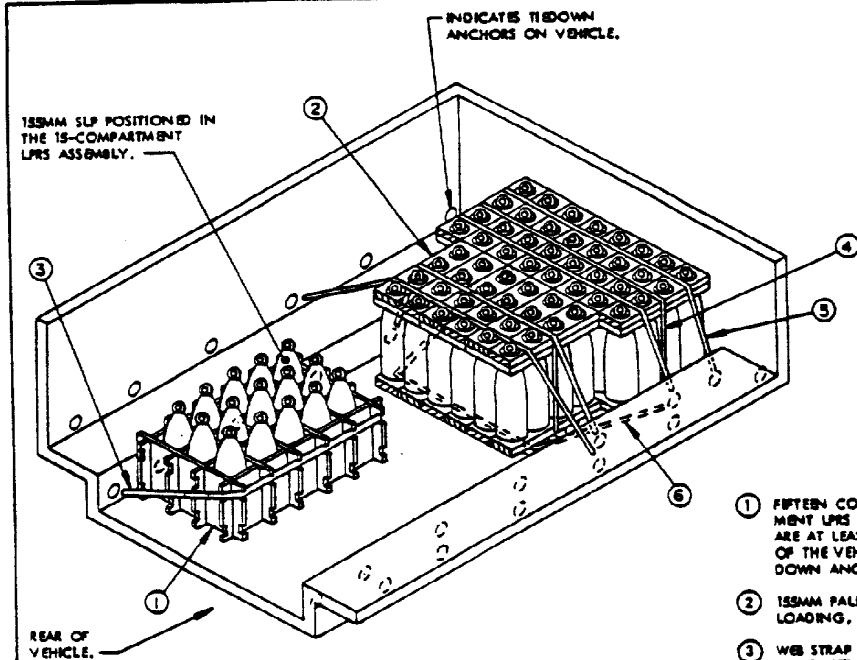
KEY NUMBERS

- ① FIFTEEN COMPARTMENT LPRS ASSEMBLY (9 REQD). SEE THE "FIFTEEN COMPARTMENT LPRS ASSEMBLY" ON PAGE 43. WHEN POSITIONING THE THREE LPRS ASSEMBLIES AT THE FRONT OF THE VEHICLE SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST FORTY-EIGHT INCHES APART, ALONG THE SIDE WALL OF THE VEHICLE AND POSITION THE LPRS ASSEMBLIES BETWEEN THE SELECTED TIEDOWN ANCHORS. WHEN POSITIONING THE SIX LPRS ASSEMBLIES AT THE REAR OF THE VEHICLE SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST NINETY-SIX INCHES APART ALONG THE SIDE WALL OF THE VEHICLE AND POSITION THE LPRS ASSEMBLIES BETWEEN THE SELECTED TIEDOWN ANCHORS. SEE SPECIAL NOTE 6 ON PAGE 44.
- ② WEB STRAP TIEDOWN ASSEMBLY (2 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. THREAD STRAP DIAGONALLY OVER TOP OF ALL THREE LPRS ASSEMBLIES, BETWEEN PROJECTILES, TO FORM AS STRAIGHT A LINE AS POSSIBLE AND ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. REPEAT THIS PROCEDURE FOR THE SECOND STRAP SO THE STRAPS CROSS IN THE APPROXIMATE CENTER OF THE MIDDLE LPRS ASSEMBLY, AS SHOWN. TAKE UP SLACK IN STRAPS AND THEN RATCHET TIGHT UNTIL SIDE PANELS ON THE LPRS ASSEMBLY BEND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. THREAD STRAP DIAGONALLY OVER TOP OF LPRS ASSEMBLIES, BETWEEN PROJECTILES, TO FORM AS STRAIGHT A LINE AS POSSIBLE AND ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. REPEAT THIS PROCEDURE FOR THE SECOND STRAP SO THE STRAPS CROSS IN THE APPROXIMATE CENTER OF THE LPRS ASSEMBLIES, AS SHOWN. TAKE UP SLACK IN STRAPS AND THEN RATCHET TIGHT UNTIL SIDE PANELS ON THE LPRS ASSEMBLY BEND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.

LOAD AS SHOWN

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
153MM SLP	135	12,825 LBS

ONE HUNDRED AND THIRTY-FIVE 153MM SLP, IN NINE 15-COMPARTMENTS
LPRS ASSEMBLIES, LOADED IN A TRUCK, CARGO, 5-TON, M54



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

1. A TYPICAL LOAD OF SEVENTY-ONE, 155MM SLP IS SHOWN IN A CARRIER, CARGO, 6-TON, M548, (DECK DOWN) HAVING INSIDE DIMENSIONS OF 130-5/8" LONG BY 76-1/2" WIDE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL, MAY BE USED FOR FULL, OR PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
3. THE LOAD SHOWN CONSISTS OF FIFTEEN 155MM SLP IN ONE FIFTEEN COMPARTMENT LPRS ASSEMBLY AND FIFTY-SIX 155MM SLP IN SEVEN 155MM PALLETS FROM WHICH THE STEEL UNITIZING STRAPS HAVE BEEN REMOVED. THE LOAD IS TYPICAL ONLY AND MAY CONSIST OF MORE-OR-LESS LPRS ASSEMBLIES AND/OR 155MM PALLETS. AN ACCESS AISLE IS PROVIDED FROM THE REAR TO THE FRONT OF THE VEHICLE.
4. THIS METHOD PROVIDES EASY ACCESS TO ANY INDIVIDUAL PROJECTILE, OR ALL PROJECTILES, WITHIN THE LOAD. ONE OR MORE PROJECTILES CAN BE LIFTED UP AND OUT OF THE COMPARTMENTS IN THE LPRS ASSEMBLIES AND CARRIED TO THE REAR OF THE VEHICLE OR BY REMOVING THE STRAPS AND PALLET COVER ASSEMBLIES ONE OR MORE PROJECTILES CAN BE LIFTED UP AND OUT OF THE PALLET BASE ASSEMBLY AND CARRIED TO THE REAR OF THE VEHICLE.
5. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 46 AND 47 PRIOR TO LOADING THE VEHICLE.
6. A TOTAL OF EIGHT WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.

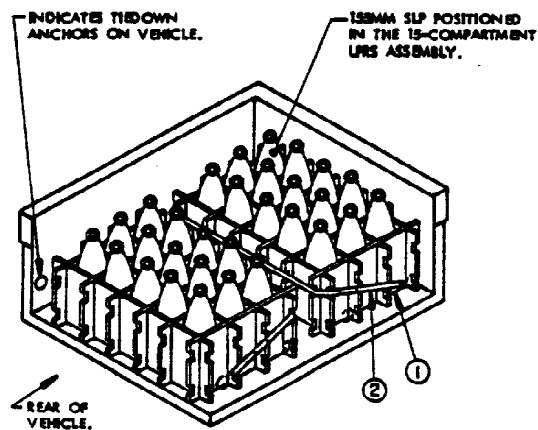
KEY NUMBERS

- ① FIFTEEN COMPARTMENT LPRS ASSEMBLY (1 REQD). SEE THE "FIFTEEN COMPARTMENT LPRS ASSEMBLY" ON PAGE 45. SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST FORTY-EIGHT INCHES APART, ANYWHERE ALONG THE SIDE WALL OF THE VEHICLE AND POSITION THE LPRS ASSEMBLY BETWEEN THE SELECTED TIEDOWN ANCHORS. SEE SPECIAL NOTE 6 ON PAGE 44.
- ② 155MM PALLET (7 REQD). SEE LOAD GUIDANCE NOTE 3 ON THIS PAGE AND LOADING, TIEDOWN, AND UNLOADING PROCEDURE, NOTE 8 ON PAGE 5.
- ③ WEB STRAP TIEDOWN ASSEMBLY (1 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. POSITION THE STRAP AROUND THE LPRS ASSEMBLY AND INTO THE TOP STRAP SLOTS ON ALL SIX SHORT PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LPRS ASSEMBLY BIND IN SLIGHTLY. SEE SPECIAL NOTE 6 AND 7 ON PAGE 44.
- ④ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). INSTALL EACH STRAP TO ENIRCLE ALL FOUR AND/OR THREE PALLETS, OVER TOP OF COVER ASSEMBLIES AND UNDER BASE ASSEMBLIES. RATCHET TIGHTLY.
- ⑤ WEB STRAP TIEDOWN ASSEMBLY (4 REQD). INSTALL EACH STRAP FROM A TIEDOWN FITTING ON SIDE OF VEHICLE OVER TOP OF PALLETIZED PROJECTILES TO A TIEDOWN FITTING ON OPPOSITE SIDE OF VEHICLE. RATCHET TIGHTLY.
- ⑥ WEB STRAP TIEDOWN ASSEMBLY (1 REQD). INSTALL STRAP FROM A TIEDOWN FITTING ON SIDE OF VEHICLE, AROUND SKIDS OF REAR PALLETS, TO A TIEDOWN FITTING ON THE OPPOSITE SIDE OF THE VEHICLE. RATCHET TIGHTLY.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
155MM SLP	71	7,004 LBS

FIFTEEN 155MM SLP, IN ONE 15-COMPARTMENT LPRS ASSEMBLY, AND FIFTY-SIX 155MM SLP, IN SEVEN PALLETS, LOADED IN A CARRIER, CARGO, TRACKED, 6-TON, M548 (DECK DOWN)



ISOMETRIC VIEW

LOAD GUIDANCE NOTES:

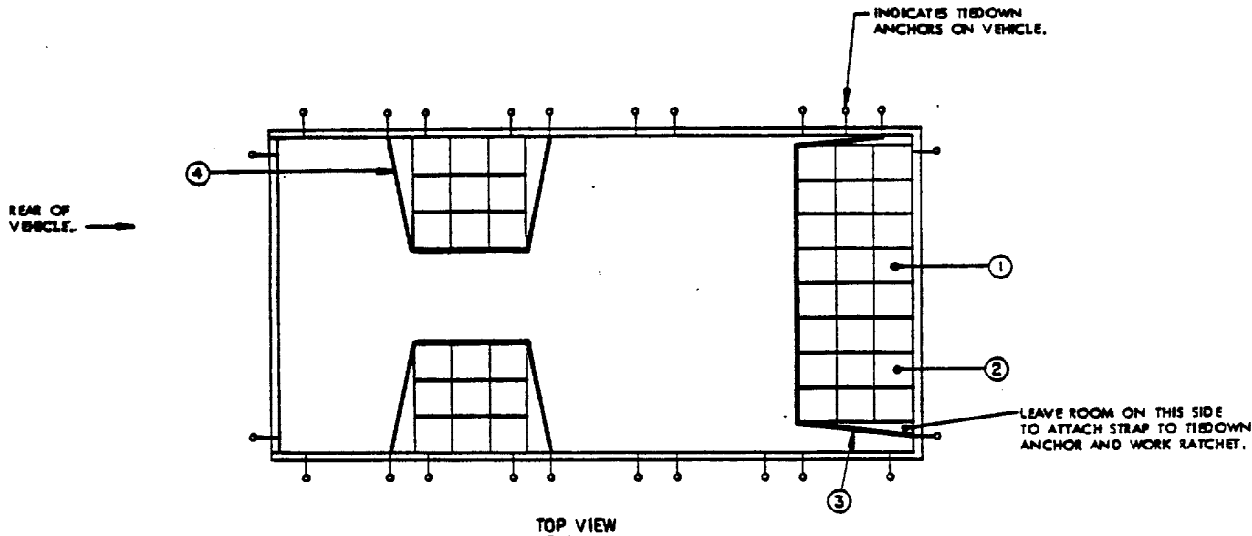
1. A TYPICAL LOAD OF THIRTY, 15MM SLP, IS SHOWN IN A TRAILER, AMMUNITION, 1-1/2-TON, M332, HAVING INSIDE DIMENSIONS OF 68-1/2" LONG BY 35-3/8" WIDE.
2. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
3. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 46 AND 47 PRIOR TO LOADING THE VEHICLE.
4. A TOTAL OF TWO WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
5. THE 15MM SHOWN IN THE LOAD ARE ALL THE SAME SIZE. HOWEVER, DIFFERENT SIZE 15MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.

KEY NUMBERS

- ① FIFTEEN COMPARTMENT LPRS ASSEMBLY (2 REQD). SEE THE "FIFTEEN COMPARTMENT LPRS ASSEMBLY" ON PAGE 45. SELECT TWO TIEDOWN ANCHORS WHICH ARE AT LEAST FORTY-EIGHT INCHES APART, ANYWHERE ALONG THE SIDE WALL OF THE VEHICLE AND POSITION THE LPRS ASSEMBLY BETWEEN THE SELECTED TIEDOWN ANCHORS. SEE SPECIAL NOTE 6 ON PAGE 44.
- ② WEB STRAP TIEDOWN ASSEMBLY (4 REQD). ONE WEB STRAP TIEDOWN ASSEMBLY IS REQUIRED TO SECURE EACH FIFTEEN COMPARTMENT LPRS ASSEMBLY TO THE SIDE OF THE VEHICLE. ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. POSITION THE STRAP AROUND THE LPRS ASSEMBLY AND INTO THE TOP STRAP SLOTS ON ALL SIX SHORT PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LPRS ASSEMBLY BIND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
15MM SLP	30	2,000 LBS



LOAD GUIDANCE NOTES:

1. A TYPICAL LOAD OF FORTY-TWO, 155MM SLP, IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING DIMENSIONS OF 168" LONG BY 88" WIDE.
2. THIS IS AN OPTIONAL METHOD DEPICTING THE USE OF 9-COMPARTMENT LPRS ASSEMBLIES AND 15-COMPARTMENT LPRS ASSEMBLIES IN THE SAME VEHICLE.
3. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL AND ENDWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
4. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 46 AND 47 PRIOR TO LOADING THE VEHICLE. ALSO SEE THE LOAD ON PAGE 50 FOR GUIDANCE.
5. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
6. DIFFERENT SIZE 155MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.

KEY NUMBERS

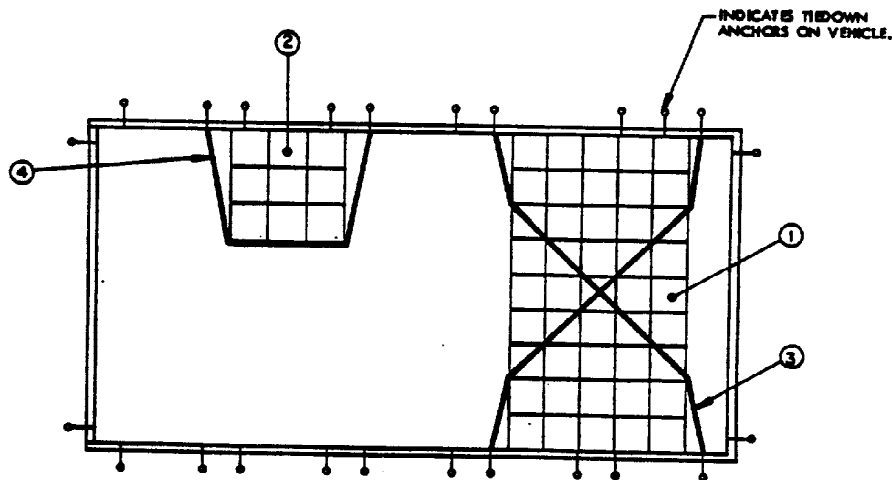
- ① FIFTEEN COMPARTMENT LPRS ASSEMBLY (1 REQD). SEE THE "FIFTEEN COMPARTMENT LPRS ASSEMBLY" ON PAGE 45. POSITION AGAINST THE FORWARD END WALL OF THE VEHICLE, AS SHOWN. SEE SPECIAL NOTE 9 ON PAGE 44.
- ② NINE COMPARTMENT LPRS ASSEMBLY (3 REQD). SEE THE "NINE COMPARTMENT LPRS ASSEMBLY" ON PAGE 45. POSITION AGAINST THE FORWARD ENDWALL OF THE VEHICLE AND/OR AGAINST THE SIDE WALL OF THE VEHICLE, AS SHOWN. SEE SPECIAL NOTE 9 ON PAGE 44.
- ③ WEB STRAP TIEDOWN ASSEMBLY (1 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE. POSITION THE STRAP AROUND BOTH LPRS ASSEMBLIES AND INTO THE TOP STRAP SLOTS ON ALL PANELS AS SHOWN IN THE LOAD ON PAGE 50. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE END WALL OF THE VEHICLE. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LPRS ASSEMBLY BIND IN SLIGHTLY. SEE SPECIAL NOTE 7 ON PAGE 44.
- ④ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). ONE WEB STRAP TIEDOWN ASSEMBLY IS REQUIRED TO SECURE EACH NINE COMPARTMENT LPRS ASSEMBLY TO THE SIDE OF THE VEHICLE. ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. POSITION THE STRAP AROUND THE LPRS ASSEMBLY AND INTO THE TOP STRAP SLOTS ON ALL FOUR SHORT PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE. CLOSE TO THE LPRS ASSEMBLY. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LPRS ASSEMBLY BIND IN SLIGHTLY. SEE SPECIAL NOTE 7 ON PAGE 44.

LOAD AS SHOWN

ITEM	QUANTITY	WEIGHT (APPROX)
155MM SLP	42	3,990 LBS

FOURTY-TWO 155MM SLP, IN ONE 15-COMPARTMENT LPRS ASSEMBLY AND THREE 9-COMPARTMENT LPRS ASSEMBLIES, LOADED IN A TRUCK, CARGO, 5-TON, M54

REAR OF
VEHICLE. →



TOP VIEW

LOAD GUIDANCE NOTES:

1. A TYPICAL LOAD OF FIFTY-FOUR, 155MM SLP, IS SHOWN IN A TRUCK, CARGO, 5-TON, M54, HAVING DIMENSIONS OF 148" LONG BY 88" WIDE.
2. THIS IS AN OPTIONAL METHOD DEPICTING THE USE OF 9-COMPARTMENT LPRS ASSEMBLIES AND 15-COMPARTMENT LPRS ASSEMBLIES IN THE SAME VEHICLE.
3. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
4. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 46 AND 47 PRIOR TO LOADING THE VEHICLE. ALSO SEE THE LOAD ON PAGE 49 FOR GUIDANCE.
5. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
6. DIFFERENT SIZE 155MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.

KEY NUMBERS

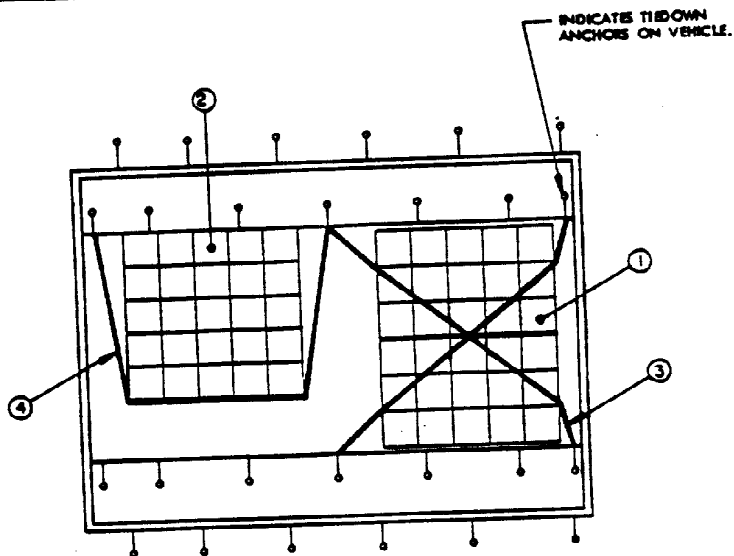
- ① FIFTEEN COMPARTMENT LPRS ASSEMBLY (3 REQD). SEE THE "FIFTEEN COMPARTMENT LPRS ASSEMBLY" ON PAGE 45. POSITION AS SHOWN. SEE SPECIAL NOTE 9 ON PAGE 44.
- ② NINE COMPARTMENT LPRS ASSEMBLY (1 REQD). SEE THE NINE COMPARTMENT LPRS ASSEMBLY" ON PAGE 45. POSITION AGAINST THE SIDE WALL OF THE VEHICLE, AS SHOWN. SEE SPECIAL NOTE 9 ON PAGE 44.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE CLOSE TO THE LPRS ASSEMBLY. THREAD STRAP DIAGONALLY OVER TOP OF ALL THREE LPRS ASSEMBLIES, BETWEEN PROJECTILES, TO FORM AS STRAIGHT A PATH AS POSSIBLE AND ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. REPEAT THIS PROCEDURE FOR THE SECOND STRAP SO THE STRAPS CROSS IN THE APPROXIMATE CENTER OF THE MIDDLE LPRS ASSEMBLY, AS SHOWN. TAKE UP SLACK IN STRAPS AND THEN RATCHET TIGHT UNTIL SIDE PANELS ON THE LPRS ASSEMBLY BIND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.
- ④ WEB STRAP TIEDOWN ASSEMBLY (1 REQD). ONE WEB STRAP TIEDOWN ASSEMBLY IS REQUIRED TO SECURE EACH NINE COMPARTMENT LPRS ASSEMBLY TO THE SIDE OF THE VEHICLE. ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. POSITION THE STRAP AROUND THE LPRS ASSEMBLY AND INTO THE TOP STRAP SLOTS ON ALL FOUR SHORT PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LPRS ASSEMBLY. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LPRS ASSEMBLY BIND IN SLIGHTLY. SEE SPECIAL NOTE 7 ON PAGE 44.

LOAD AS SHOWN

<u>ITEM</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
155MM SLP	54	5,130 LBS

FIFTY-FOUR 155MM SLP, IN THREE 15-COMPARTMENT LPRS ASSEMBLIES AND ONE 9-COMPARTMENT LPRS ASSEMBLY, LOADED IN A TRUCK, CARGO, 5-TON, M54

REAR OF
VEHICLE. →



TOP VIEW

LOAD GUIDANCE NOTE:

1. A TYPICAL LOAD OF FIFTY-FOUR, 155MM SLP, IS SHOWN IN A CARRIER, CARGO, 6-TON, M548, DECK-DOWN, HAVING INSIDE DIMENSIONS OF 130-5/8" LONG BY 76-1/2" WIDE.
2. THIS IS AN OPTIONAL METHOD DEPICTING THE USE OF 15-COMPARTMENT LRS ASSEMBLIES AND 25-COMPARTMENT LRS ASSEMBLIES IN THE SAME VEHICLE.
3. THE VEHICLE SHOWN WAS SELECTED AS TYPICAL ONLY, AND VEHICLES OF OTHER DIMENSIONS, AND/OR TRAILERS, WHICH HAVE A SUFFICIENT QUANTITY OF TIEDOWN ANCHORS LOCATED ON THE SIDEWALL, MAY BE USED FOR A FULL OR PARTIAL LOAD. SEE SPECIAL NOTE 3 ON PAGE 44.
4. READ THE "ASSEMBLY AND TIEDOWN PROCEDURES" ON PAGES 46 AND 47 PRIOR TO LOADING THE VEHICLE. ALSO SEE THE LOAD ON PAGE 50 FOR GUIDANCE.
5. A TOTAL OF THREE WEB STRAP TIEDOWN ASSEMBLIES ARE REQUIRED FOR THE LOAD SHOWN.
6. DIFFERENT SIZE 155MM SLP MAY BE MIXED, AS DESIRED, WITHIN THE LOAD.

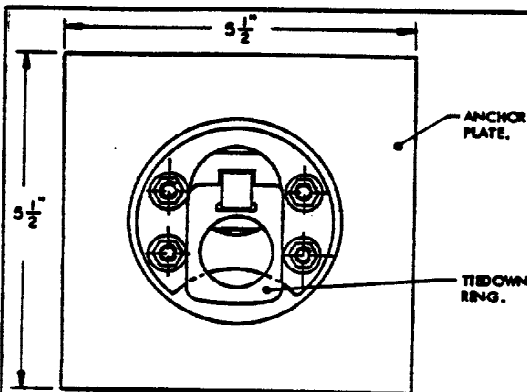
KEY NUMBERS

- ① FIFTEEN COMPARTMENT LRS ASSEMBLY (2 REQD). SEE THE "FIFTEEN COMPARTMENT LRS ASSEMBLY" ON PAGE 45. POSITION AS SHOWN. SEE SPECIAL NOTE 9 ON PAGE 44.
- ② TWENTY-FIVE COMPARTMENT LRS ASSEMBLY (1 REQD). SEE THE "TWENTY-FIVE COMPARTMENT LRS ASSEMBLY" ON PAGE 45. POSITION AGAINST THE SIDE WALL OF THE VEHICLE, AS SHOWN. SEE SPECIAL NOTE 9 ON PAGE 44.
- ③ WEB STRAP TIEDOWN ASSEMBLY (2 REQD). ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LRS ASSEMBLY. THREAD STRAP DIAGONALLY OVER TOP OF ALL THREE LRS ASSEMBLIES, BETWEEN PROJECTILES, TO FORM AS STRAIGHT A PATH AS POSSIBLE AND ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE OPPOSITE SIDE WALL OF THE VEHICLE. REPEAT THIS PROCEDURE FOR THE SECOND STRAP SO THE STRAPS CROSS IN THE APPROXIMATE CENTER OF THE MIDDLE LRS ASSEMBLY, AS SHOWN. TAKE UP SLACK IN STRAPS AND THEN RATCHET TIGHT UNTIL SIDE PANELS ON THE LRS ASSEMBLY BEND IN SLIGHTLY. SEE SPECIAL NOTES 6 AND 7 ON PAGE 44.
- ④ WEB STRAP TIEDOWN ASSEMBLY (1 REQD). ONE WEB STRAP TIEDOWN ASSEMBLY IS REQUIRED TO SECURE EACH TWENTY-FIVE COMPARTMENT LRS ASSEMBLY TO THE SIDE OF THE VEHICLE. ATTACH ONE END OF THE WEB STRAP TIEDOWN ASSEMBLY TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LRS ASSEMBLY. POSITION THE STRAP AROUND THE LRS ASSEMBLY AND INTO THE TOP STRAP SLOTS ON ALL FOUR SHORT PANELS AS SHOWN. ATTACH THE OTHER END OF THE WEB STRAP TO A TIEDOWN ANCHOR ON THE SIDE WALL OF THE VEHICLE, CLOSE TO THE LRS ASSEMBLY. TAKE UP EXCESS SLACK IN STRAP AND THEN RATCHET TIGHT UNTIL THE CORNER PANELS ON THE LRS ASSEMBLY BEND IN SLIGHTLY. SEE SPECIAL NOTE 7 ON PAGE 44.

LOAD AS SHOWN

<u>ITBA</u>	<u>QUANTITY</u>	<u>WEIGHT (APPROX)</u>
155MM SLP	55	5,225 LBS

FIFTY-FIVE 155MM SLP, IN TWO 15-COMPARTMENT LRS ASSEMBLIES AND ONE 25-COMPARTMENT LRS ASSEMBLY, LOADED IN A CARRIER, CARGO, TRACKED, 6-TON, M548 (DECK DOWN)

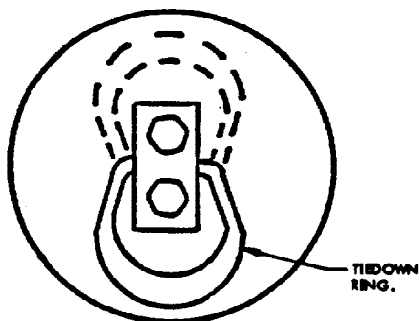


UNIVERSAL TIEDOWN ANCHOR (FRONT VIEW)

THIS TIEDOWN ANCHOR IS RATED AT 5,000 POUNDS AND IS FOR USE ON CARGO TRUCKS AND/OR CARGO TRAILERS. SEE GENERAL NOTE "C" ON PAGE 2 AND "NOTE ①" AT RIGHT.

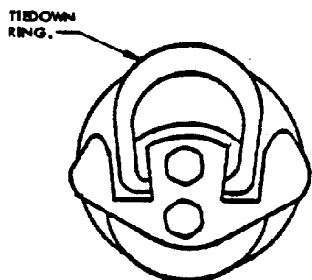
NOTE ①:

IF THE TACTICAL VEHICLES BEING USED ARE NOT EQUIPPED WITH THE 5,000 POUND, UNIVERSAL TIEDOWN ANCHOR SHOWN AT LEFT, SEE TS 9-2500-280-30 FOR VEHICLE MODIFICATION PROCEDURES AND INSTALLATION OF THE TIEDOWN ANCHOR, WITH THE EXCEPTION OF THE HEAVY DUMPED MOBILITY TRUCK, (HDMAT) M777 AND/OR M785, WHICH HAS THE TIEDOWN ANCHORS INSTALLED IN THE FLOOR. THESE TIEDOWN ANCHORS ARE TO BE INSTALLED IN THE SIDE WALLS AND END WALLS OF CARGO TRUCKS AND CARGO TRAILERS. IF AN M727, 12-TON, SEMITRAILER IS BEING USED SEE INFORMATION IN TS 9-2500-280-30. THE SEMITRAILER REQUIRES A DIFFERENT TYPE OF TIEDOWN ANCHOR.



TYPE III, FIXED TIEDOWN ANCHOR (TOP VIEW)

THIS TIEDOWN ANCHOR IS RATED AT 10,000 POUNDS AND IS ONLY INSTALLED ON THE M771 SEMITRAILER. THERE ARE FIVE ON EACH SIDE OF THE M771 SEMITRAILER AND THEY DO NOT SWIVEL. SEE GENERAL NOTE "C" ON PAGE 2 AND SPECIAL NOTE 10 ON PAGE 6.

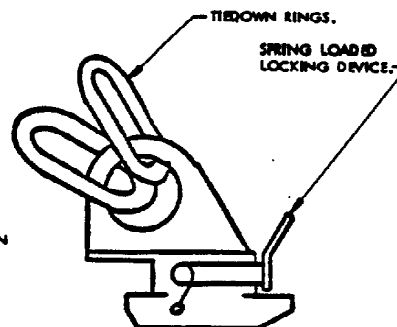


TYPE I, REMOVABLE TIEDOWN ANCHOR (TOP VIEW)

THIS TIEDOWN ANCHOR IS RATED AT 10,000 POUNDS AND IS INSTALLED ON THE M771 AND M727 SEMITRAILERS. IT IS COMMONLY REFERRED TO AS "MICKY MOUSE". THERE ARE TEN ON EACH SIDE OF THE M771 SEMITRAILER AND APPROXIMATELY TWENTY-EIGHT ON EACH SIDE OF THE M727 SEMITRAILER. THIS TIEDOWN ANCHOR IS POSITIONED BY REACHING UNDER FLOOR OF SEMITRAILER AND INSERTING THE TIEDOWN ANCHOR UP THROUGH THE HOLE AND ROTATING IT INTO POSITION. SEE GENERAL NOTE "C" ON PAGE 2 AND SPECIAL NOTES 10 AND 11 ON PAGE 6. THIS TIEDOWN ANCHOR IS FURTHER IDENTIFIED AS NSN 2540-01-112-1732.

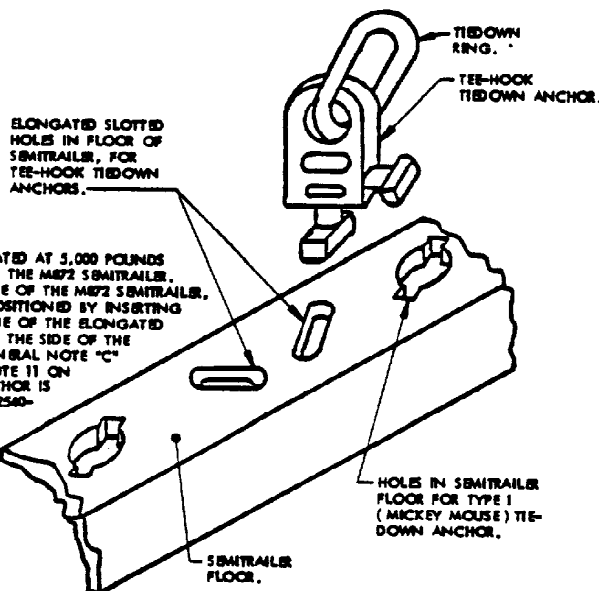
NOTE ②:

THIS TIEDOWN ANCHOR IS RATED AT 10,000 LBS AND IS ONLY FOR USE ON THE M771 SEMITRAILER. IT IS COMMONLY REFERRED TO AS "BIG FOOT". THERE ARE TEN ON EACH SIDE OF THE M771 SEMITRAILER AND THEY SWIVEL. THIS TIEDOWN ANCHOR HAS A SPRING LOADED LOCKING DEVICE TO HOLD IT IN PLACE AND IT IS INSERTED, FROM THE TOP, INTO A 1-3/4" DIAMETER HOLE LOCATED ON THE SIDE OF THE SEMITRAILER FLOOR. SEE GENERAL NOTE "C" ON PAGE 2 AND SPECIAL NOTE 10 ON PAGE 6. THIS TIEDOWN ANCHOR IS FURTHER IDENTIFIED AS NSN 2540-01-117-3043.



TYPE II, REMOVABLE TIEDOWN ANCHOR (SIDE VIEW)

(SEE "NOTE ②" ABOVE)



NOTE ③:

THIS TIEDOWN ANCHOR IS RATED AT 5,000 POUNDS AND IS ONLY INSTALLED ON THE M727 SEMITRAILER. THERE ARE FIVE ON EACH SIDE OF THE M727 SEMITRAILER. THIS TIEDOWN ANCHOR IS POSITIONED BY INSERTING IT, FROM THE TOP, INTO ONE OF THE ELONGATED SLOTTED HOLES LOCATED ON THE SIDE OF THE SEMITRAILER FLOOR. SEE GENERAL NOTE "C" ON PAGE 2 AND SPECIAL NOTE 11 ON PAGE 6. THIS TIEDOWN ANCHOR IS FURTHER IDENTIFIED AS NSN 2540-01-113-9285.

REMOVABLE TEE-HOOK TIEDOWN ANCHOR (ISOMETRIC VIEW)

(SEE "NOTE ③" ABOVE)