

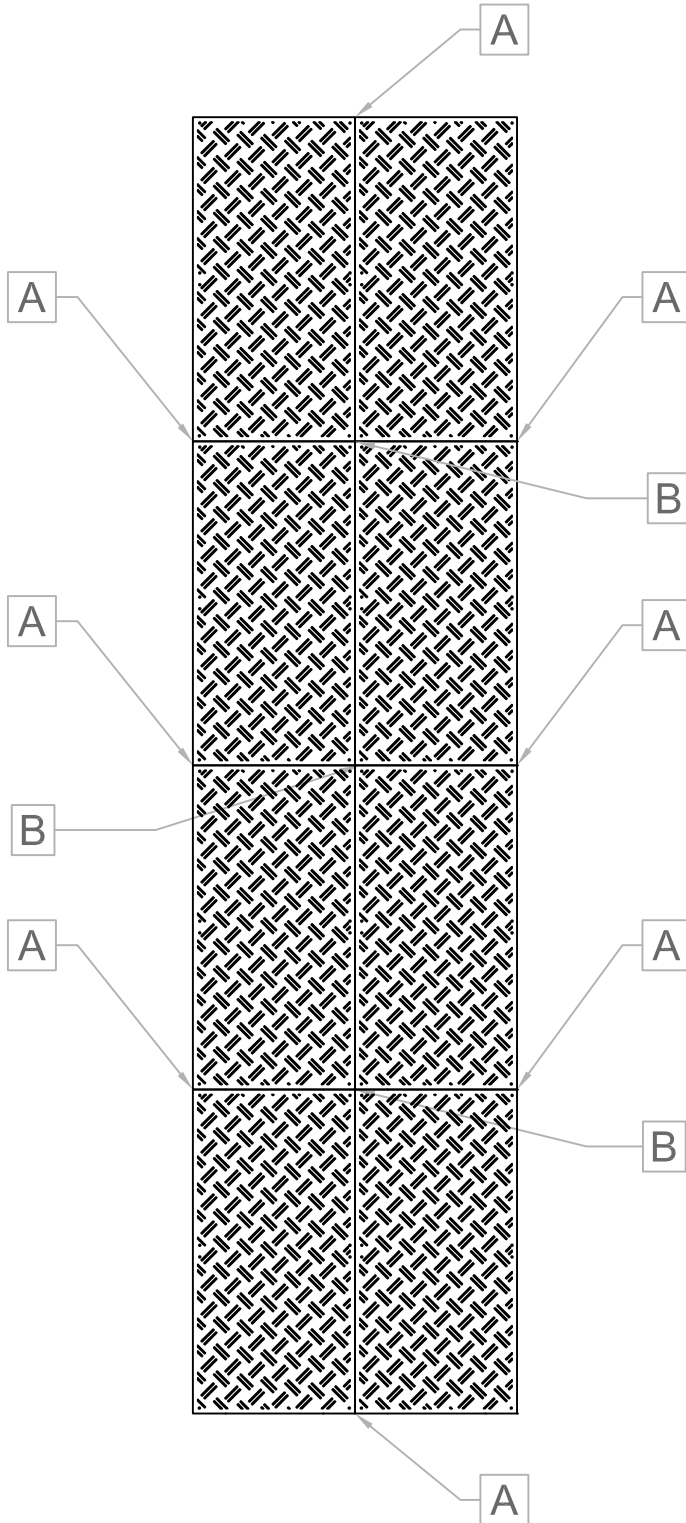


# GROUND PROTECTION MAT

THE PURPOSE AND DESIGN OF THE GROUND PROTECTION MAT(GPM) IS TO PROTECT VEHICLES AND EQUIPMENT FROM EXCESSIVE WEAR AND DAMAGE DUE TO UNSTABLE GROUND CONDITIONS. THIS DRAWING IS A GUIDELINE TO AID IN THE DESIGN, MODIFICATION, AND INSTALLATION OF A GPM MAT SYSTEM. THE INSTALLATION MAY NEED TO BE MODIFIED TO MEET EXISTING CONDITIONS, EXPECTATIONS, OR DEMANDS OF THE MOVEMENT, NON-MOVEMENT AND/OR ROADWAY SYSTEM. THE GPM IS NOT A BRIDGING MATERIAL AND SHOULD NEVER BE USED TO CROSS OR SPAN LARGE GAPS, GULLIES, OR CHASMS.

## KEY NOTES:

- A. TWO BOLT LOCKING PLATE
- B. FOUR BOLT LOCKING PLATE



## INSTALLATION:

1. START WITH A RELATIVELY LEVEL AREA. FREE OF LARGE ROCKS AND GROUND HOLES.
2. LAY ONE MAT ON THE GROUND. LIFT ONE CORNER AND SLIDE THE LOCKING PLATE UNDERNEATH, ALIGNING THE CONNECTION HOLE WITH ONE BOLT ON THE CONNECTION PLATE.
3. LAY MAT BACK DOWN SO THE BOLT OF THE CONNECTION PLATE PROTRUDES THROUGH THE CONNECTION HOLE. SECURE WITH FLANGED NUTS. THE OTHER BOLT(S) ON THE CONNECTION PLATES SHOULD BE VISIBLE AND STICK OUT FROM UNDERNEATH THE GROUND PROTECTION MAT.
4. PLACE ADDITIONAL MAT(S) ON VISIBLE BOLT(S) AND SECURE WITH FLANGED NUT(S). TWO BOLT LOCKING PLATES ARE USED FOR EXTERIOR CONNECTION HOLES AND FOUR BOLT LOCKING PLATES ARE USED FOR INTERIOR CONNECTION HOLES.
5. TO CREATE ANY LENGTH, LAY ADDITIONAL GROUND PROTECTION MATS END-TO-END AND REPEAT ABOVE INSTALLATION STEPS.