**METC-111 Project**

This project will be a combination of group and individual efforts.

Using this information below and the information provided on page two complete the following;

1. A FBD of the system described.

2. The solution

3. A neat and orderly solutions document.

Calculate the forces in cables when lifting a M939 5 ton military vehicle that has been driven onto a platform that can be lifted by a 25' cable that splits into 4 individual cables that attach at each corner of the platform. The platform is assumed to be the L\*W of the vehicle, plus 20% of the H in all directions. The single supporting cable makes its split into 4 cables at 200% of H above the platform.

