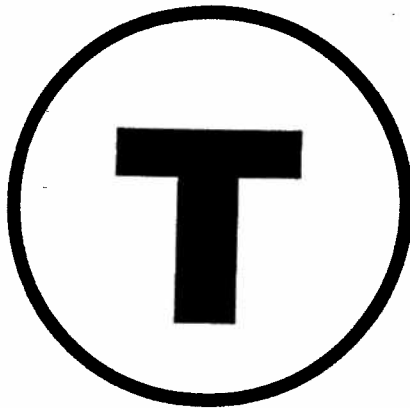


**Terminology of Overhead Catenary Parts  
and Assemblies**

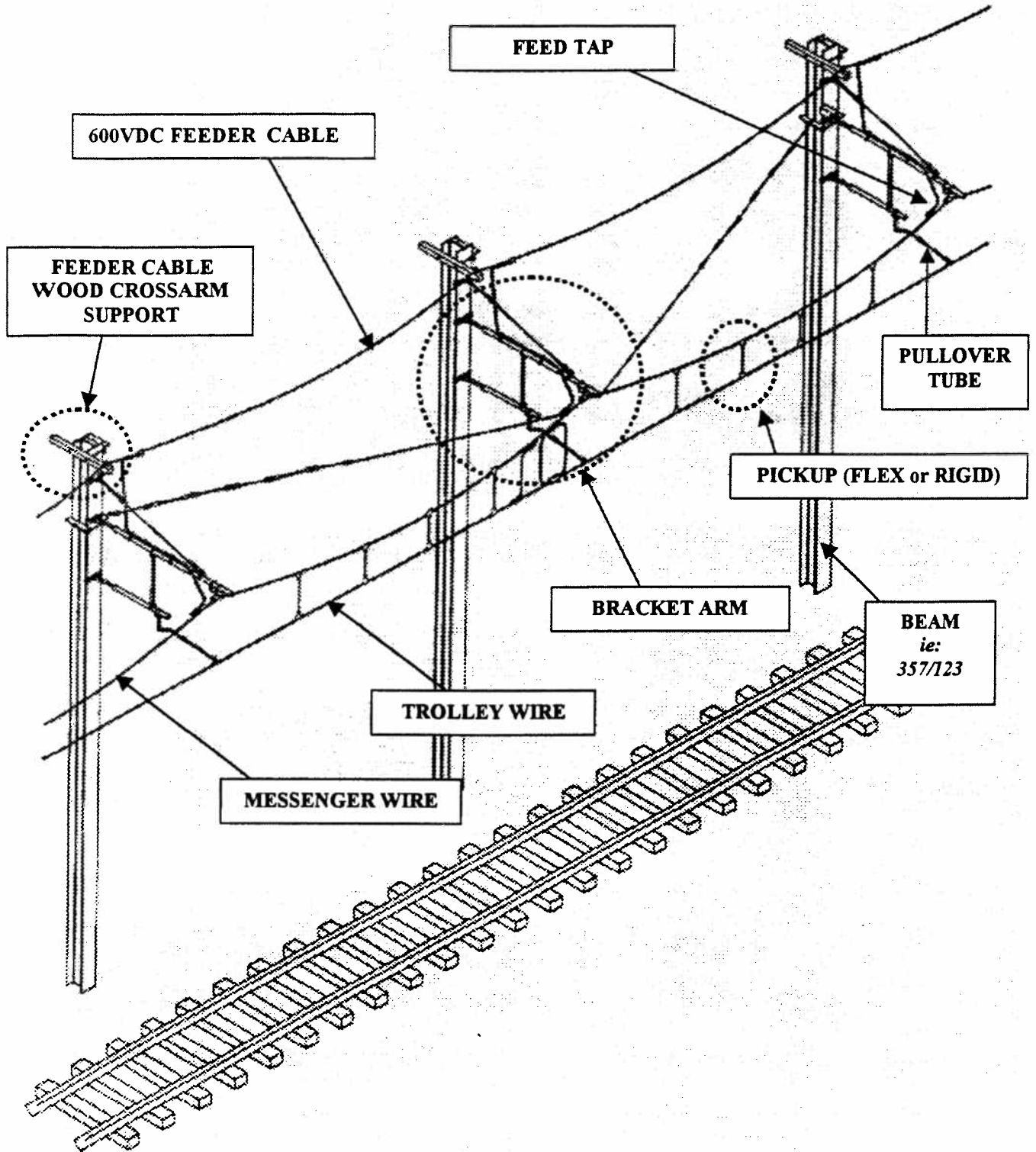
**Blue Line Overhead**



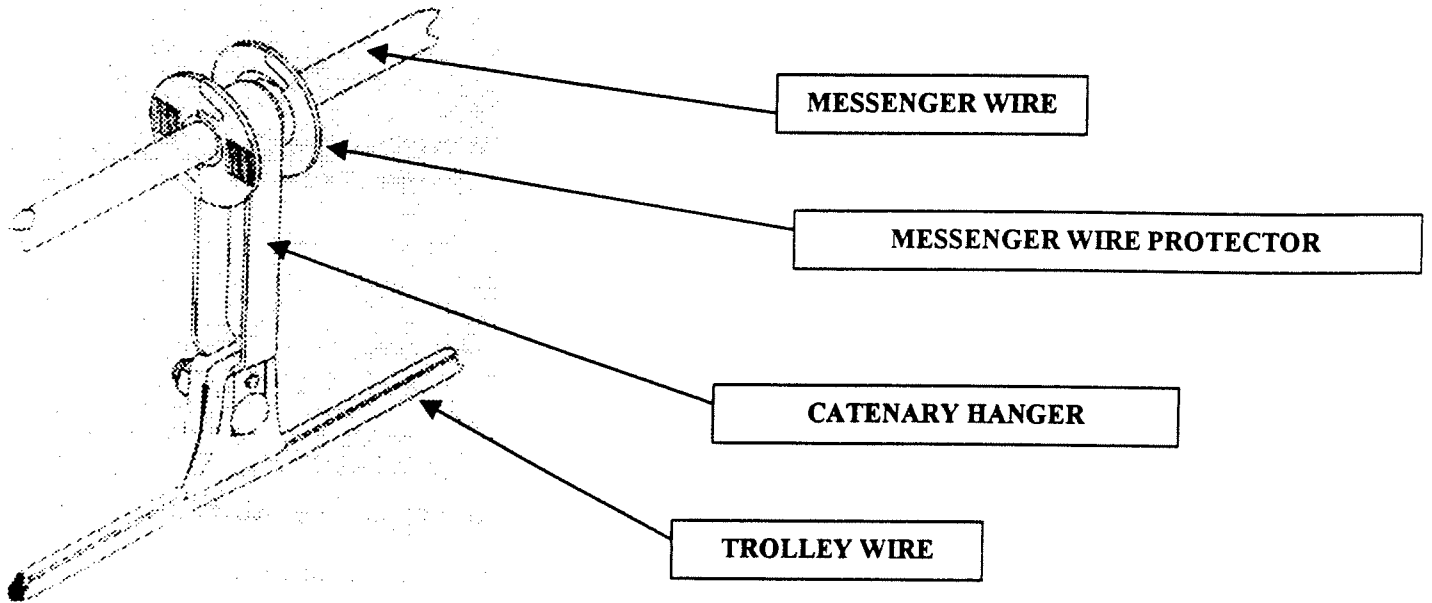
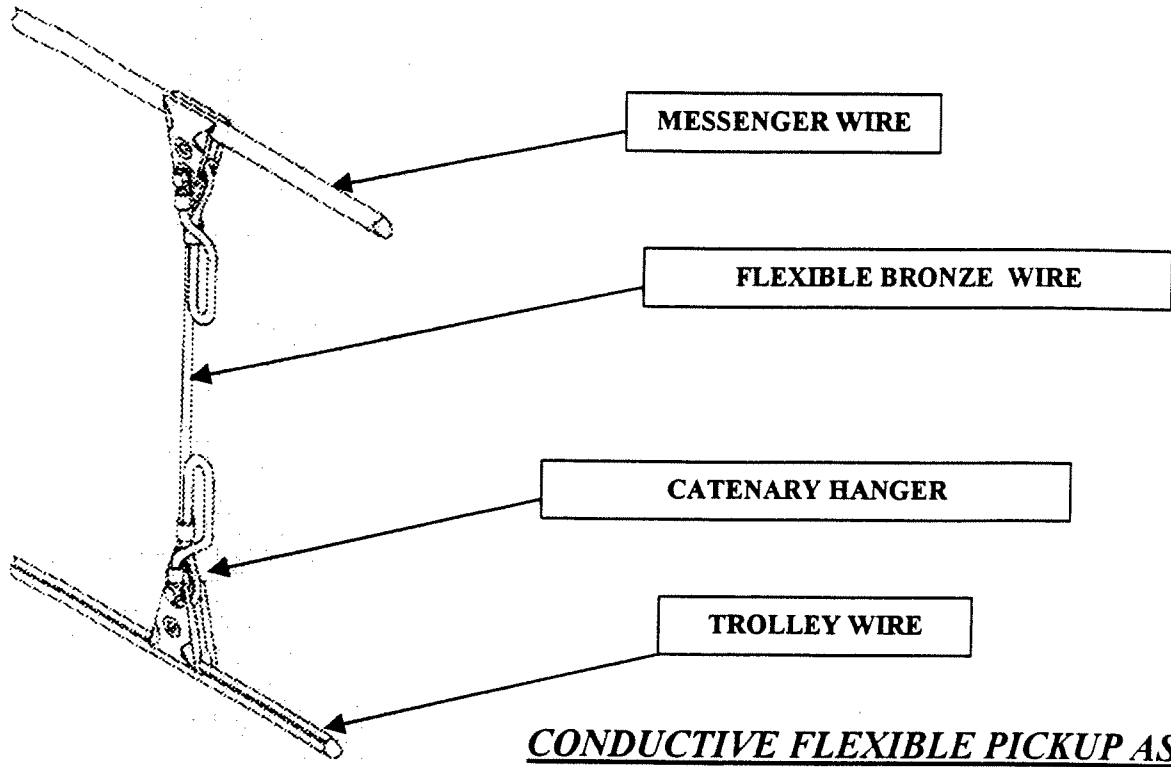
*This material has been compiled to assist Blue Line personnel in the proper identification of overhead catenary parts and assemblies. Please use this terminology in reporting any problems or potential problems which you may encounter.*

**POWER DIVISION**  
**Transmission and Distribution Area**  
Superintendent – Paul F. White  
Supervisor – Sean J. Carney  
Engineer – Joseph A. Vassallo, Jr.

# TYPICAL MAINLINE CATENARY ASSEMBLIES

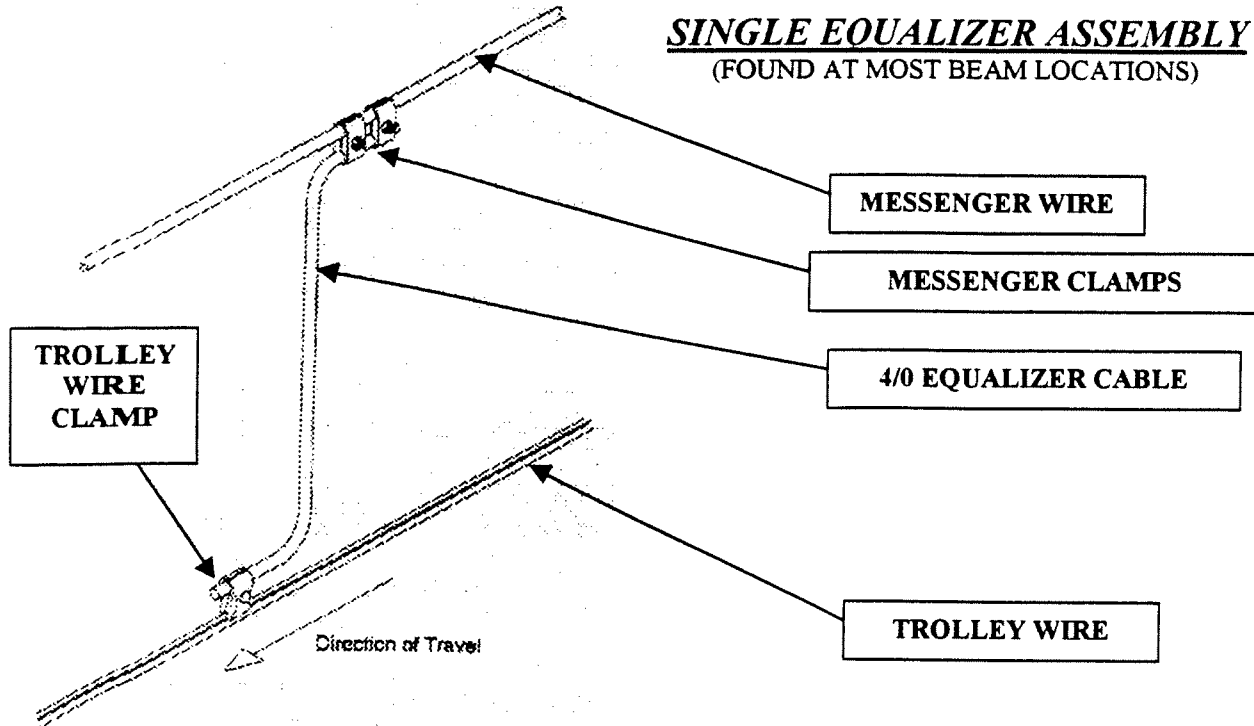


# (FLEXIBLE and RIGID) PICKUP ASSEMBLIES



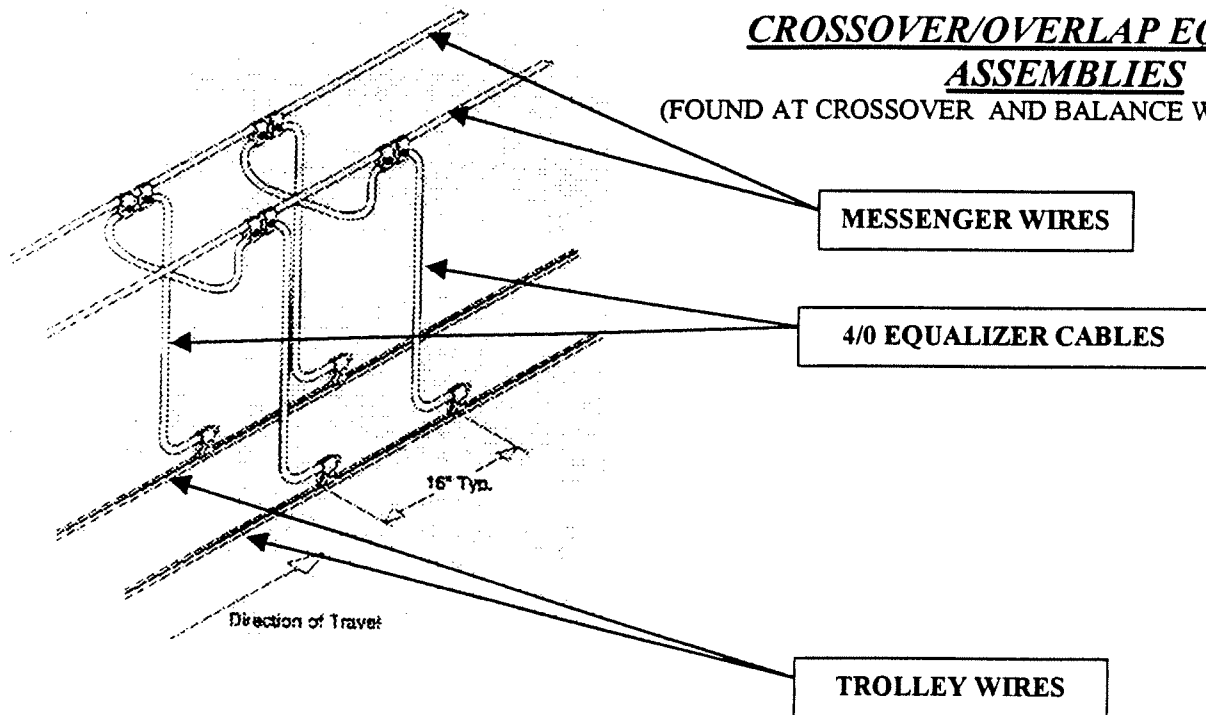
# SINGLE and CROSSOVER/OVERLAP EQUALIZER ASSEMBLIES

## SINGLE EQUALIZER ASSEMBLY (FOUND AT MOST BEAM LOCATIONS)



## CROSSOVER/OVERLAP EQUALIZER ASSEMBLIES

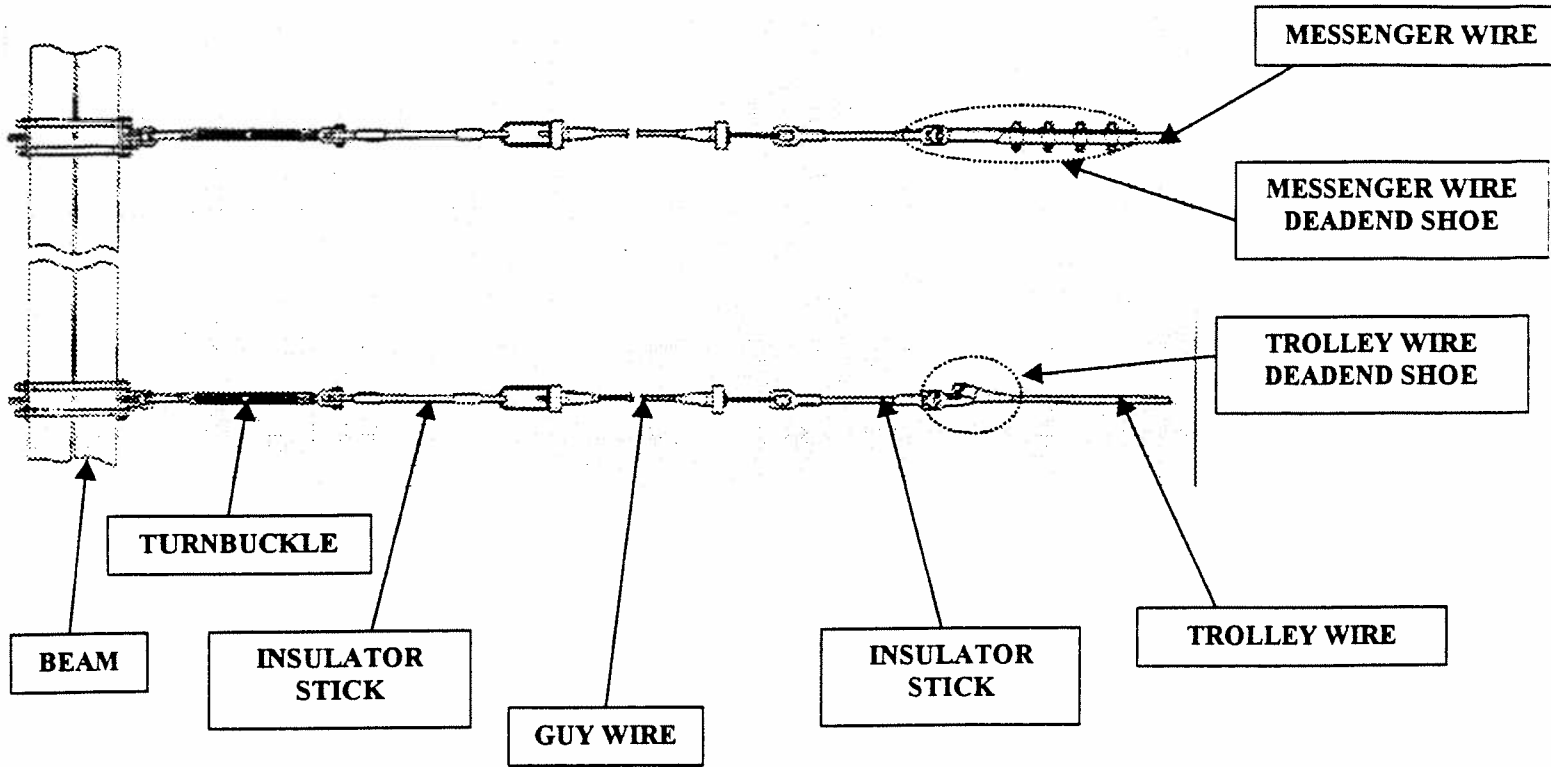
(FOUND AT CROSSOVER AND BALANCE WEIGHT LOCATIONS)



# FIXED and SPRING TENSION DEADENDS (at CROSSOVERS)

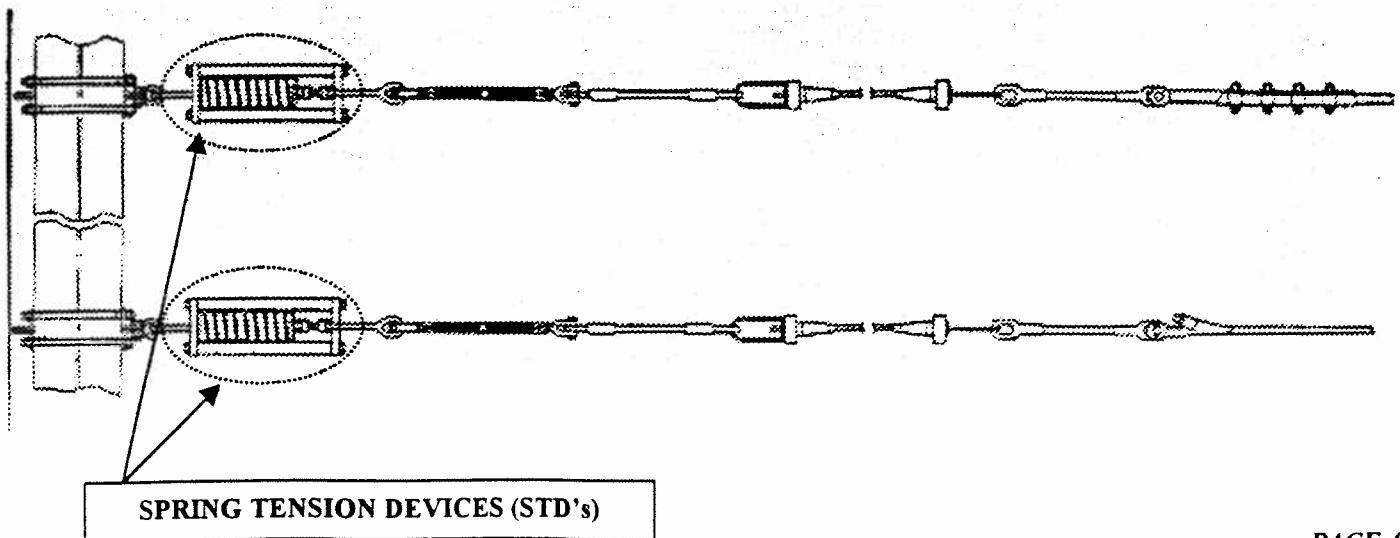
## FIXED MESSENGER AND TROLLEY WIRE DEADEND ASSEMBLY

(FOUND AT ONE END OF CROSSOVER LOCATIONS)

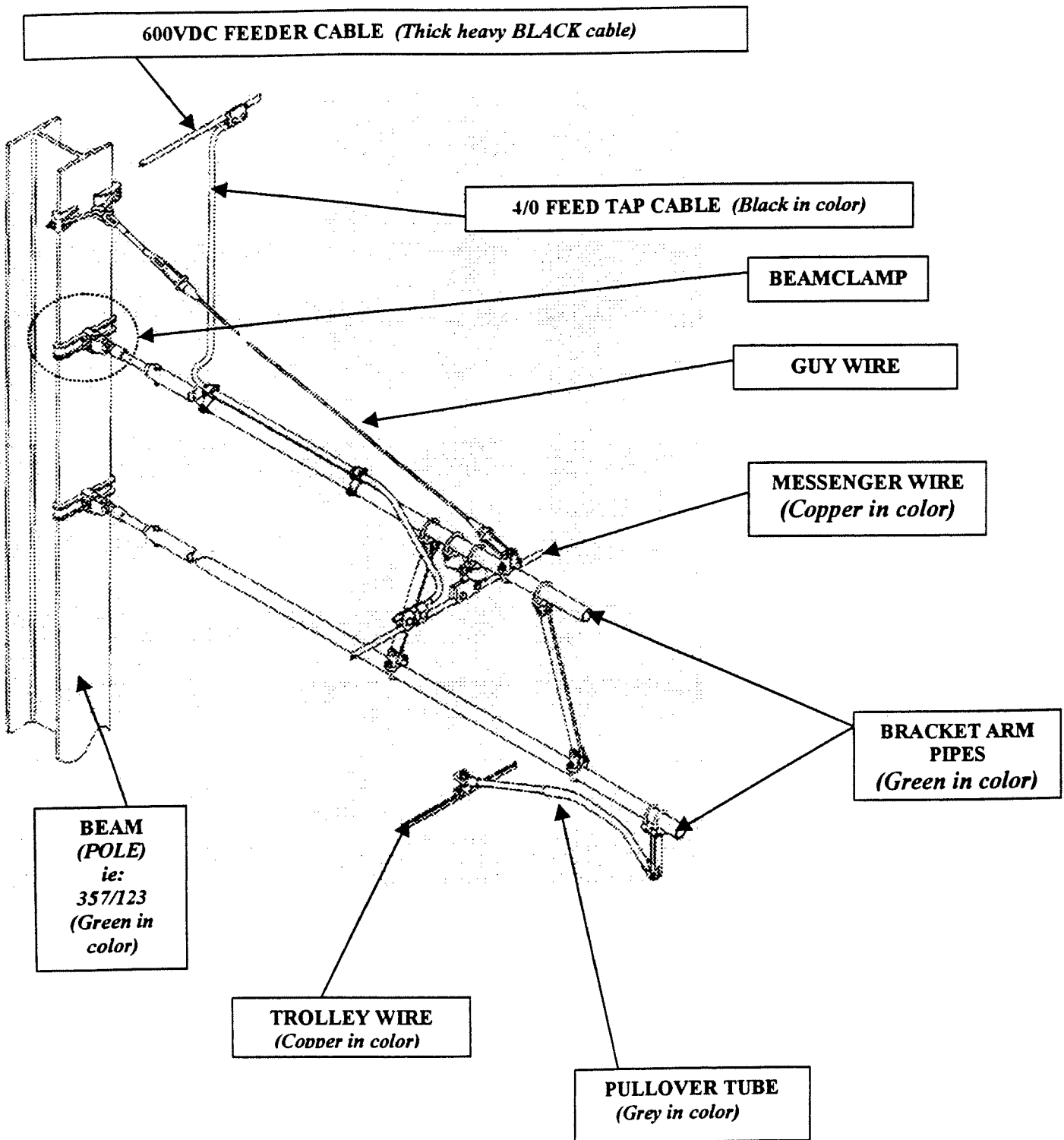


## SPRING-TENSION MESSENGER AND TROLLEY WIRE DEADEND ASSEMBLY

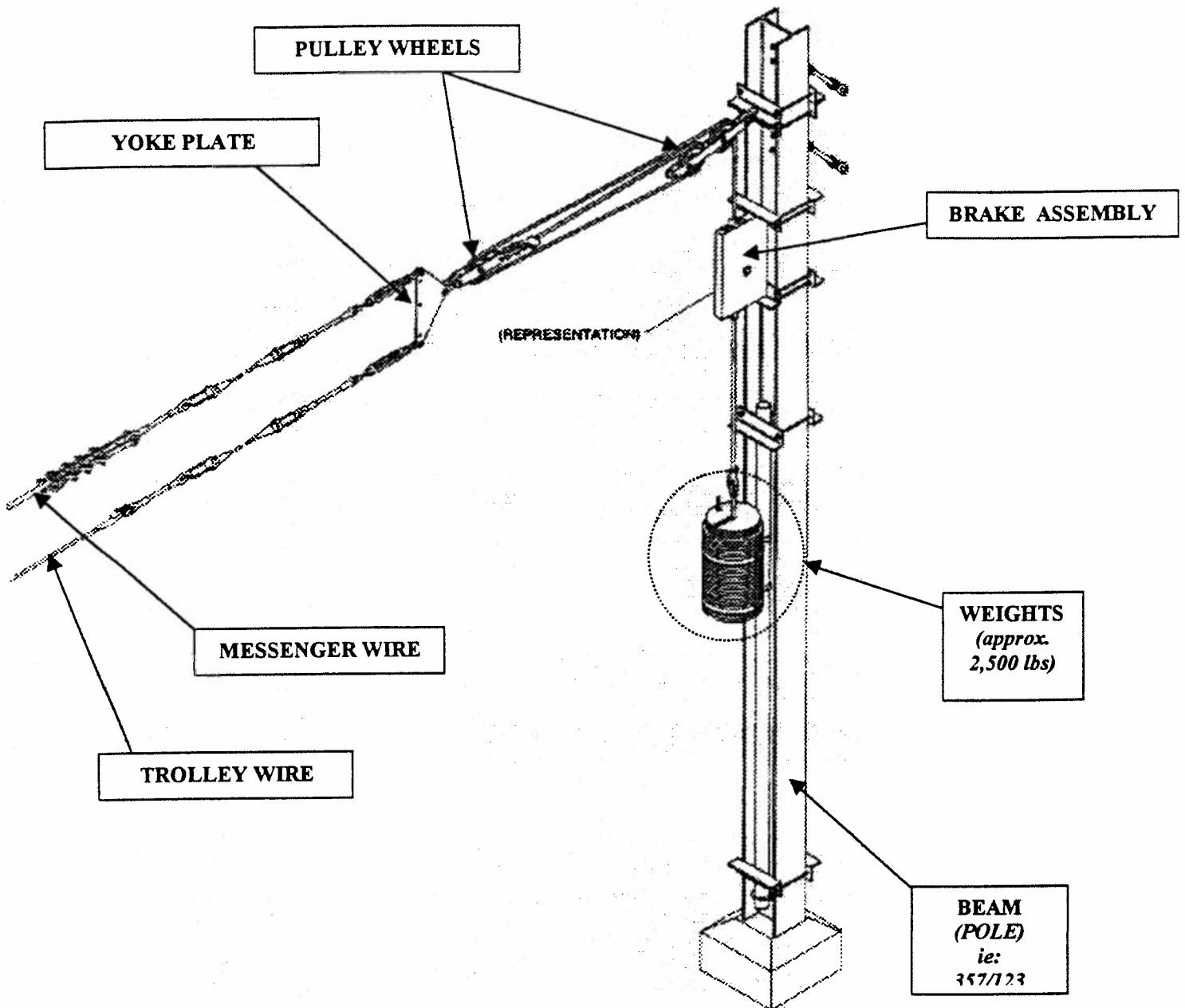
(FOUND AT ONE END OF CROSSOVER LOCATIONS)



# TYPICAL BRACKET ARM ASSEMBLY



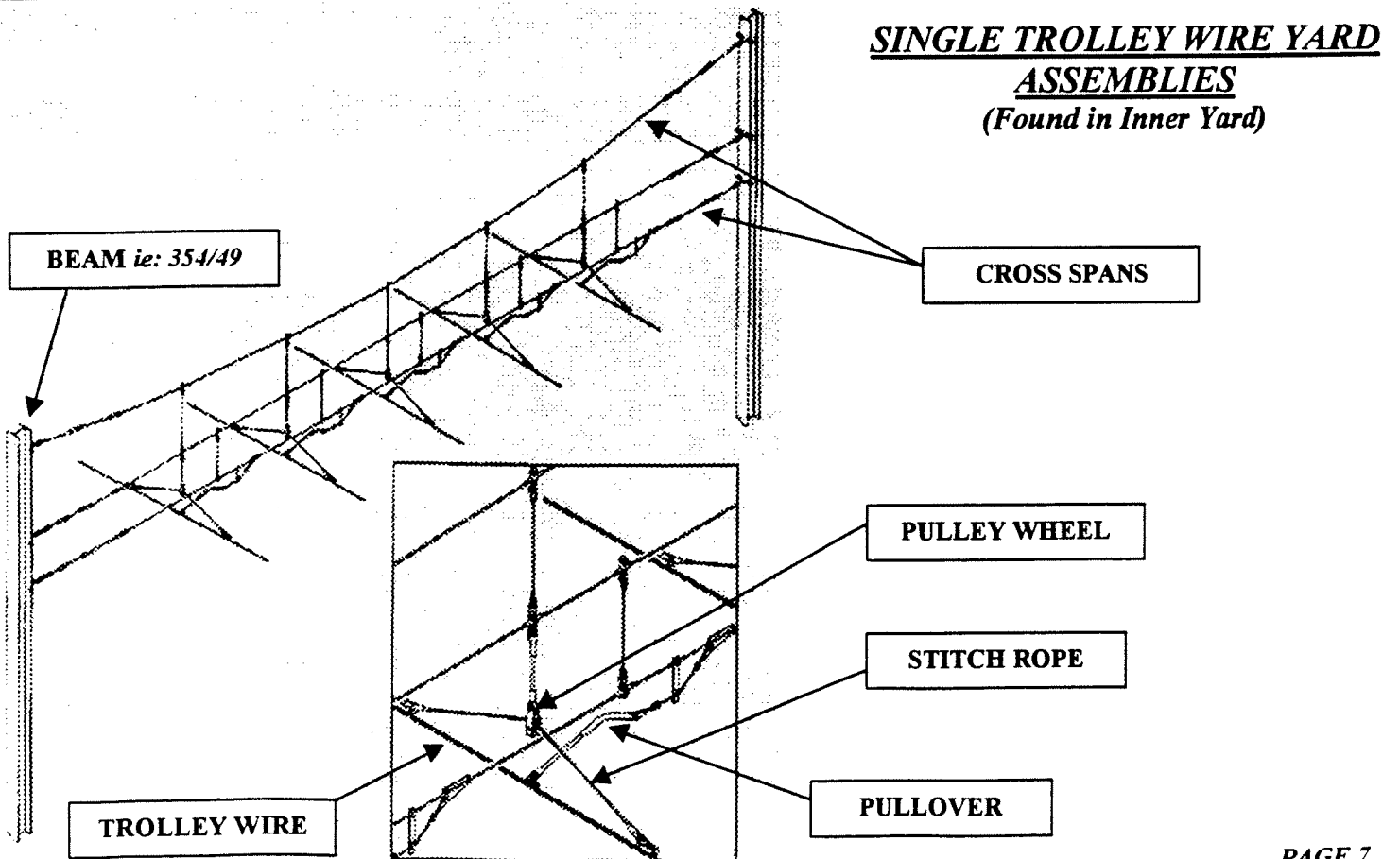
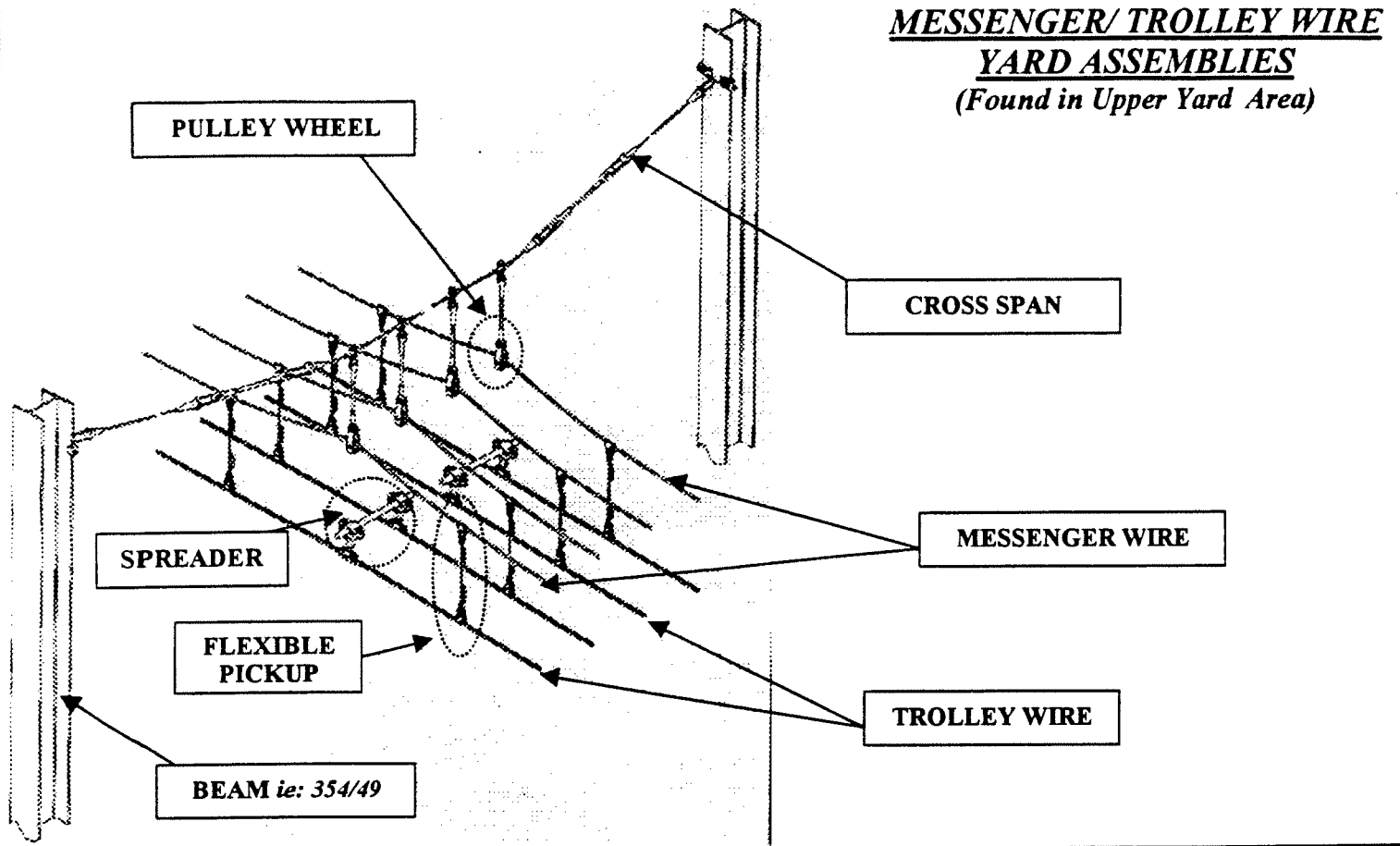
# BALANCE WEIGHT ASSEMBLY



**NOTE:**

1. TENSION IN MESSENGER WIRE = 4000 POUNDS
2. TENSION IN TROLLEY WIRE = 3000 POUNDS

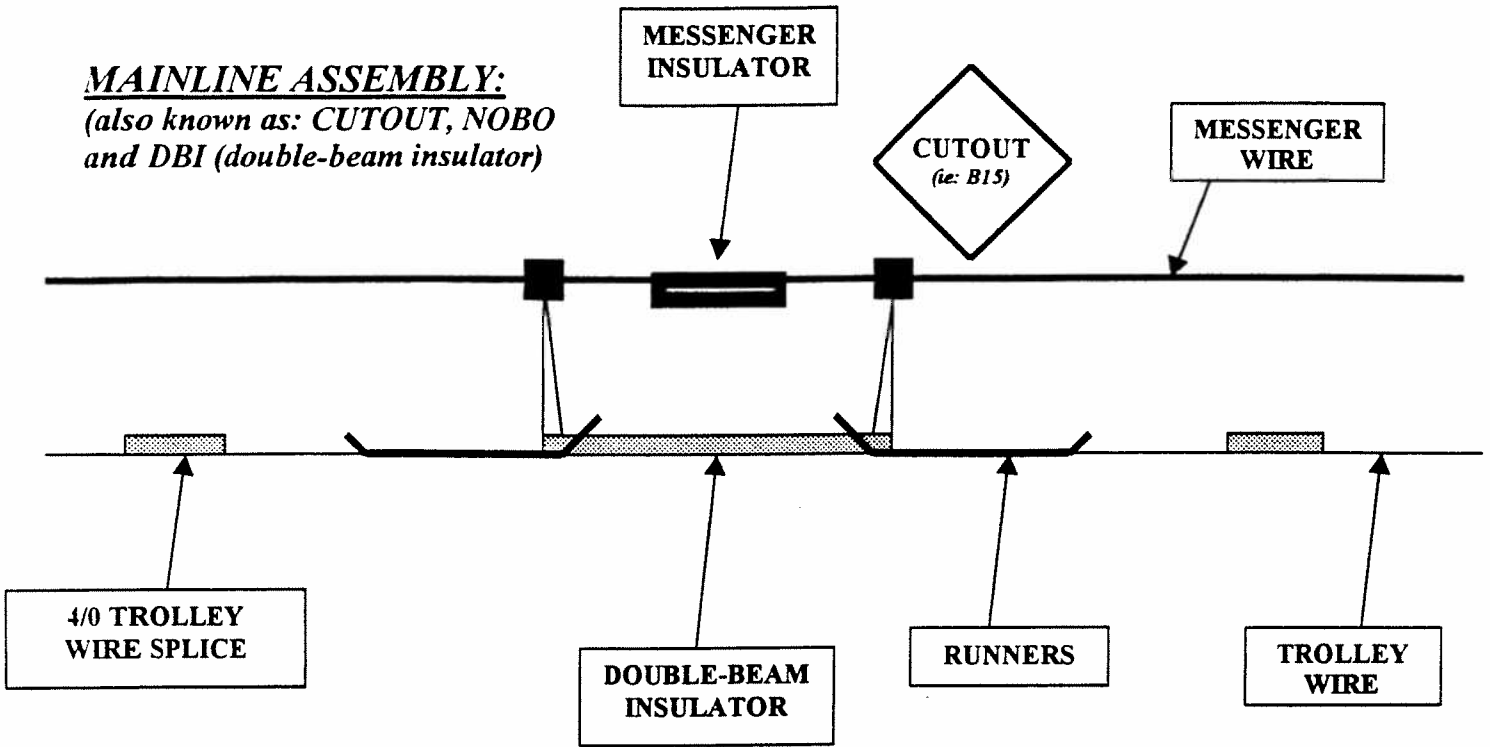
# YARD ASSEMBLIES



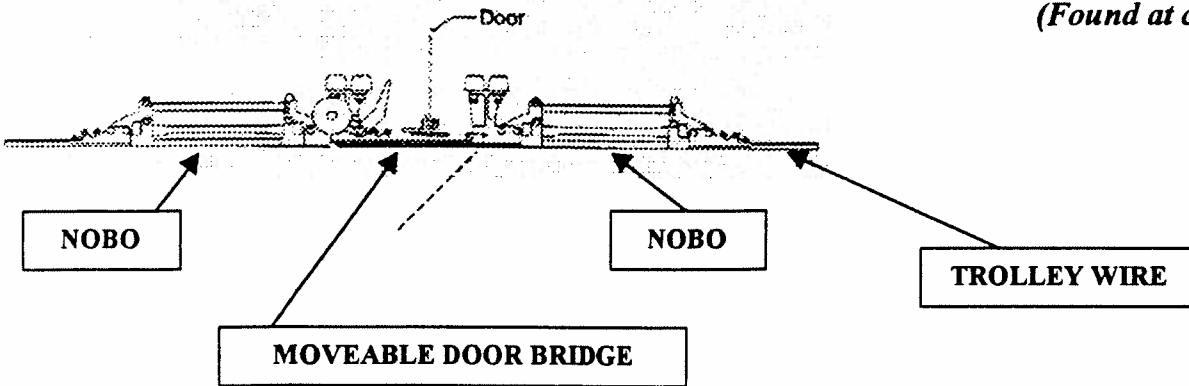


# TROLLEY WIRE and MESSENGER WIRE INSULATOR ASSEMBLIES

**MAINLINE ASSEMBLY:**  
*(also known as: CUTOUT, NOBO and DBI (double-beam insulator))*



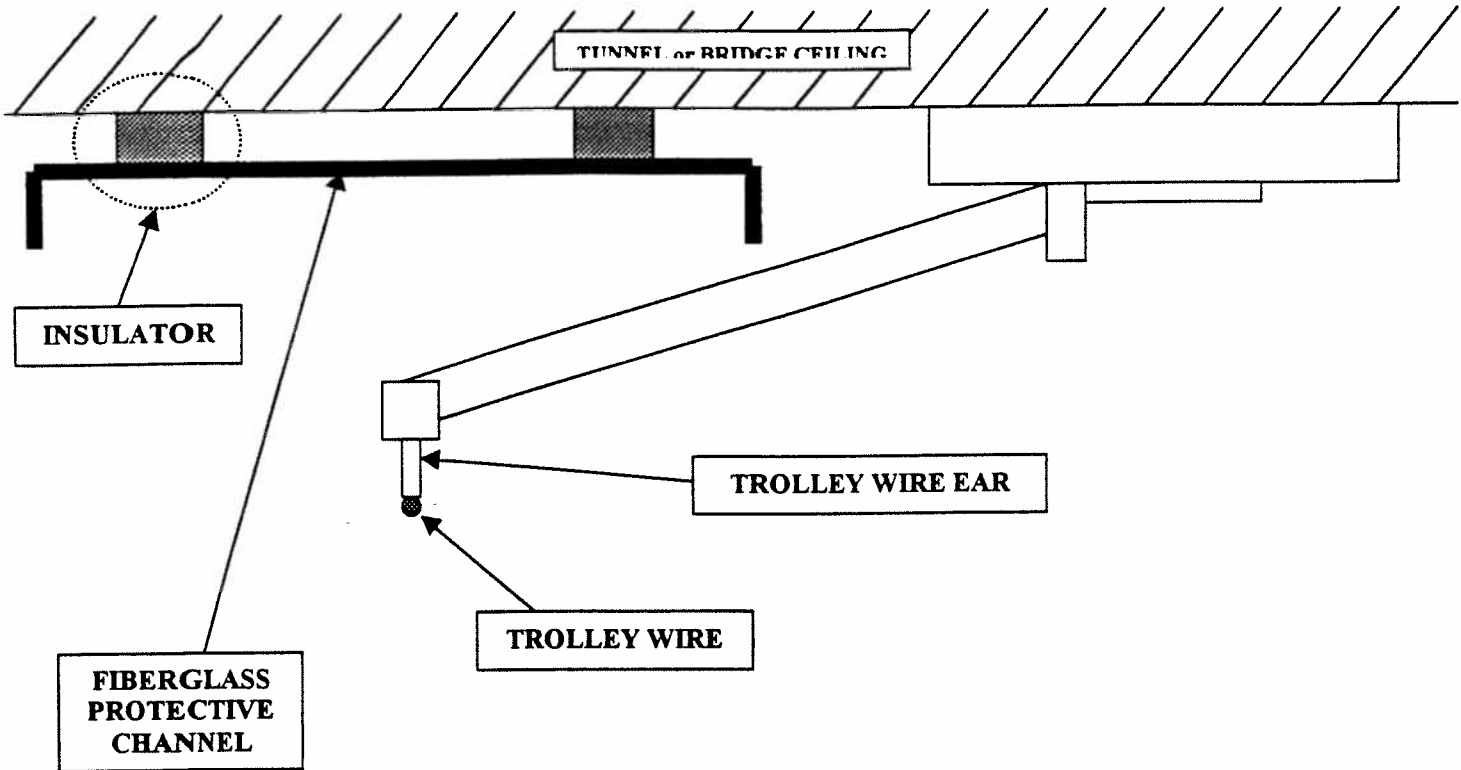
## CARHOUSE TROLLEY WIRE INSULATOR ASSEMBLY *(Found at carhouse doors)*



**NOTE:** *Single NOBOS are used throughout the yard area and also at some crossovers*

# ELASTIC ARM ASSEMBLIES

Elastic Arms:  
(found in tunnels and under  
bridges)



## ELASTIC ARM and FIBERGLASS PROTECTIVE SHIELD ASSEMBLY