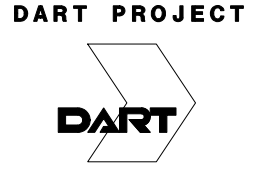


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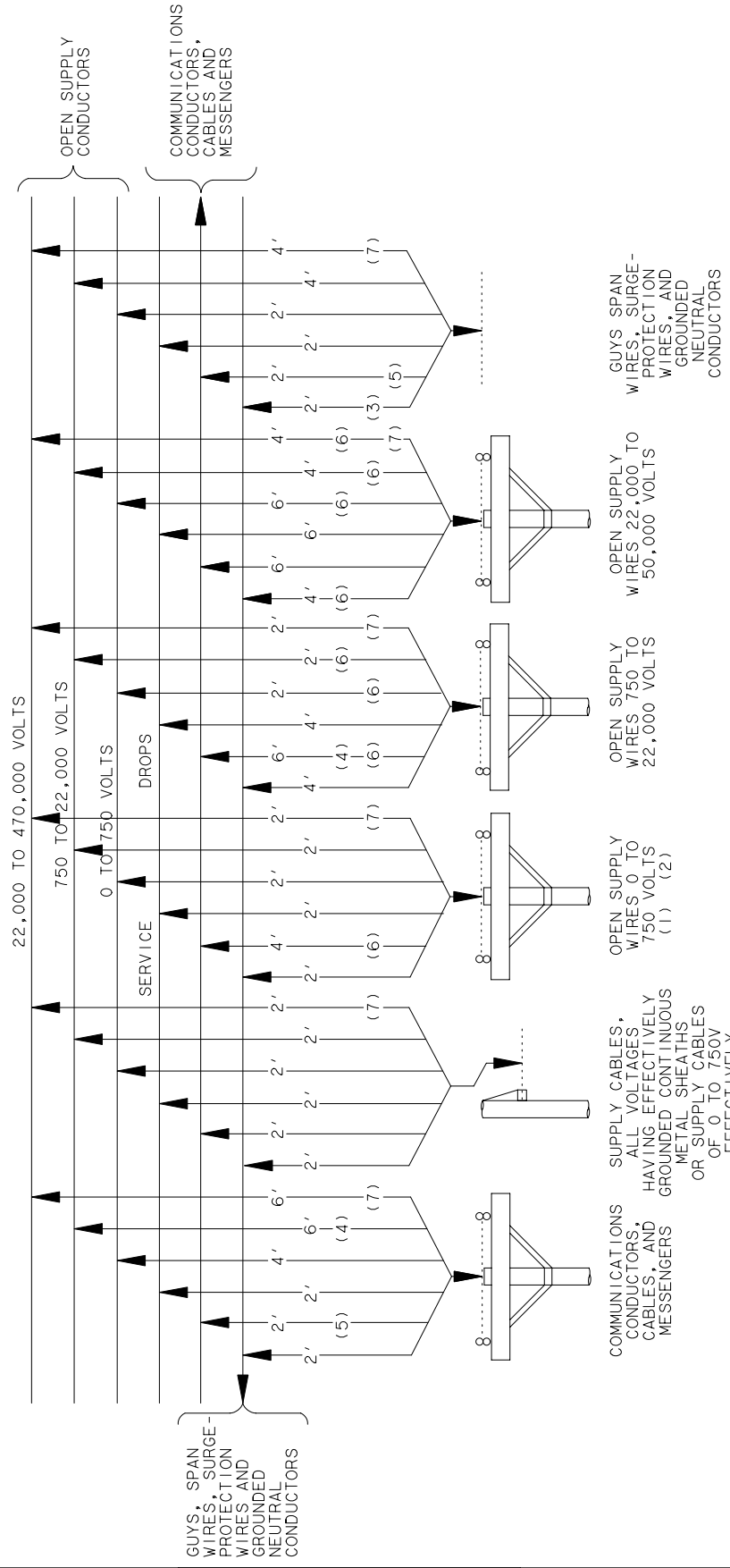


DART DESIGN CRITERIA

WIRE CROSSING CLEARANCE

SCALE: NOT TO SCALE

FIGURE: 6.2



NOTES :

- FOR CLEARANCE PURPOSES, INSULATED, NON-SHIELDED CABLES CARRYING 750 TO 2,900 VOLTS SUPPORTED ON AND CABLED TOGETHER WITH AN EFFECTIVELY GROUNDED BARE MESSENGER SHALL BE TREATED AS OPEN SUPPLY CONDUCTOR CARRYING 0 TO 750 VOLTS.
- FOR CLEARANCE PURPOSES, CABLES OF ANY VOLTAGE OVER 750 VOLTS, COVERED WITH A CONTINUOUS AUXILIARY SEMICONDUCTING SHIELD IN COMBINATION WITH SUITABLE METALLIC DRAINAGE AND SUPPORTED ON AND CABLED TOGETHER WITH AN EFFECTIVELY GROUNDED BARE MESSENGER SHALL BE TREATED AS OPEN SUPPLY CONDUCTOR CARRYING 0 TO 750 VOLTS.
- THIS CLEARANCE MAY BE REDUCED WHERE BOTH GUYS ARE ELECTRONICALLY INTERCONNECTED.
- THIS CLEARANCE MAY BE REDUCED TO 4 FEET, WHERE SUPPLY CONDUCTORS OF 750V TO 8.7KV CROSS A COMMUNICATION LINE MORE THAN 6 FEET HORIZONTALLY FROM A COMMUNICATION STRUCTURE.
- THE CLEARANCE OF COMMUNICATION CONDUCTORS AND THEIR GUY, SPAN, AND MESSENGER WIRES FROM EACH OTHER IN LOCATIONS WHERE NO OTHER CLASSES OF CONDUCTORS ARE INVOLVED MAY BE REDUCED BY MUTUAL CONSENT OF THE PARTIES CONCERNED, SUBJECT TO THE APPROVAL OF THE REGULATORY BODY HAVING JURISDICTION, EXCEPT FOR FIRE-ALARM CONDUCTORS AND CONDUCTORS USED IN THE OPERATION OF RAILROADS, OR WHERE ONE SET OF CONDUCTORS IS FOR PUBLIC USE AND THE OTHER IN THE OPERATION OF SUPPLY SYSTEMS.
- IN GENERAL, THIS TYPE OF CROSSING IS NOT RECOMMENDED.
- FOR VOLTAGES EXCEEDING 22,000 VOLTS, THE CLEARANCE SHALL BE INCREASED BY 0.4 INCH FOR EACH 1,000 VOLTS OR FRACTION THEREOF IN EXCESS OF 22,000 VOLTS. IF BOTH UPPER AND LOWER WIRES EXCEED 22,000 VOLTS CALCULATE INCREASES SEPARATELY FOR UPPER AND LOWER WIRES AND ADD BOTH TO CLEARANCE, FOR VOLTAGE MOVE.

\$\$\$DGN\$SPECIFICATION\$\$\$\$\$\$\$\$