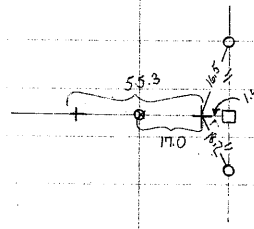
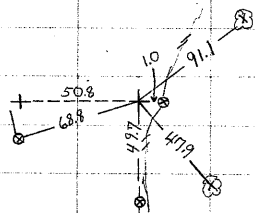
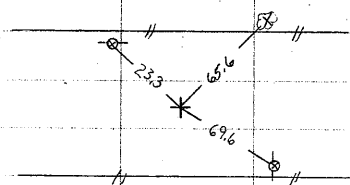
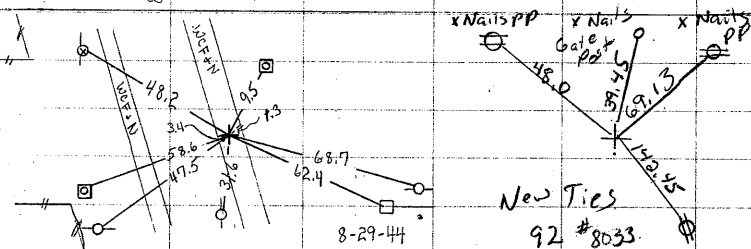
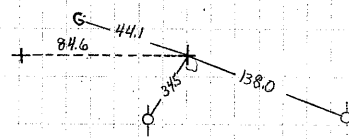
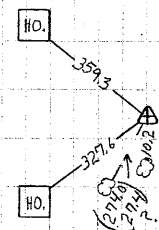
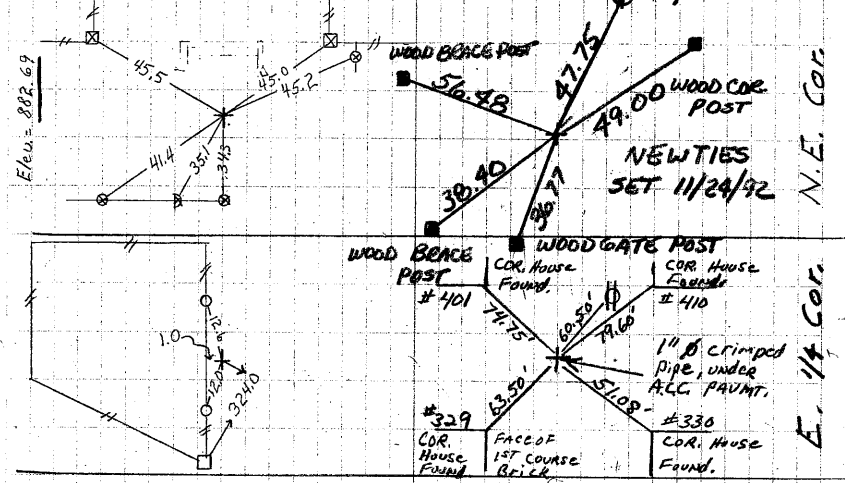


Hand-drawn circuit diagram for a power system analysis. It shows a three-phase system with a source (S) connected to a bus (B). The source has a voltage of 120 kV and a power of 100 MW. The bus has a voltage of 120 kV and a power of 100 MW. The line between S and B has a series impedance of 42.4 ohms and a shunt impedance of 27.1 ohms. The line between B and a load (L) has a series impedance of 22.9 ohms and a shunt impedance of 64.8 ohms. The load has a power of 100 MW. The diagram is labeled "PROBLEM 12" and "120 kV".



Hand-drawn survey map showing a road intersection and adjacent property. The map includes the following details:

- Top Road:** A horizontal road with a centerline and a dashed line indicating a right-of-way boundary.
- Right Road:** A vertical road intersecting the top road. A dashed line indicates a right-of-way boundary.
- Diagonal Road:** A road crossing the top road at an angle. A dashed line indicates a right-of-way boundary.
- Building:** A small square building located near the intersection of the top and right roads. It is labeled "P.M. 17-329".
- Points and Distances:**
 - Point 1: Located on the top road, 83.0 feet from the intersection.
 - Point 2: Located on the top road, 34.3 feet from the intersection.
 - Point 3: Located on the top road, 89.7 feet from the intersection.
 - Point 4: Located on the diagonal road, 90.4 feet from the intersection.
 - Point 5: Located on the diagonal road, 106.75 feet from the intersection.
 - Point 6: Located on the diagonal road, 55.7 feet from the intersection.
 - Point 7: Located on the diagonal road, 44.9 feet from the intersection.
 - Point 8: Located on the right road, 5.1 feet from the intersection.
 - Point 9: Located on the right road, 85.68 feet from the intersection.
 - Point 10: Located on the right road, 76.72 feet from the intersection.
- Other Labels:**
 - "Power Pole #5543 Shiner" (top right)
 - "Power w/ 5543 Shiner" (top right)
 - "OSage Rd." (middle right)
 - "Top old Cr Post w/ 8033" (bottom right)
 - "10-15-93" (bottom right)
 - "1 inch = 10 feet" (bottom right)
 - "N. 1/4 Cor." (bottom right)
 - "Rd/PO" (bottom right)



N. 1/4 Cor.

N.E. Cor.

F. 1/4 Cor.

S. E. Cor.

5 1/4 Cor.