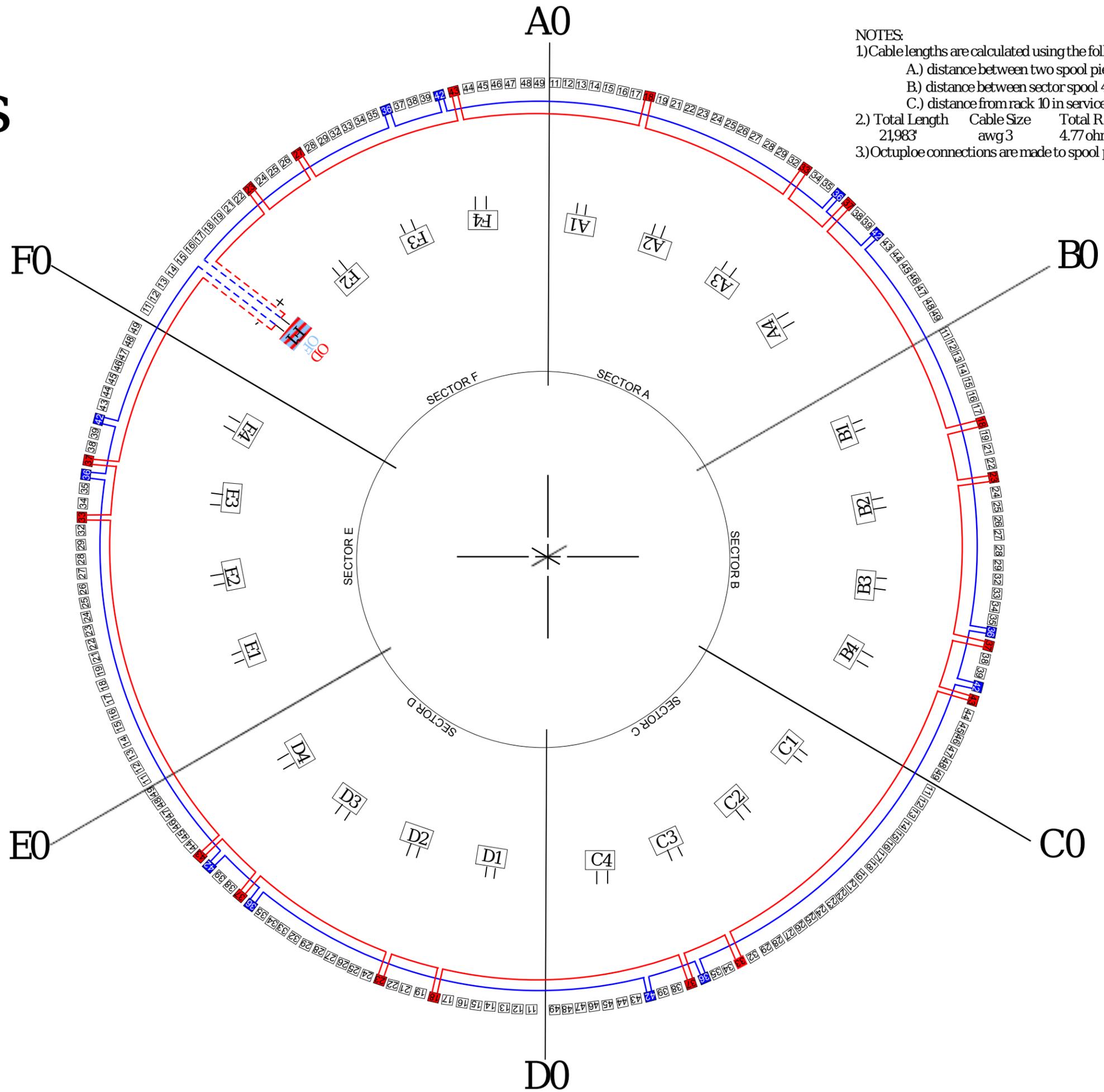


# Octupoles

06/27/2005



**NOTES:**

- 1.) Cable lengths are calculated using the following distances:
  - A.) distance between two spool pieces in a sector =98'
  - B.) distance between sector spool 48 and next sector spool 12 =450'
  - C.) distance from rack 10 in service bldg electronics room to nearest spool X5 =446'
- 2.) Total Length    Cable Size    Total R  
 21,983'            awg 3            4.77 ohms
- 3.) Octupole connections are made to spool piece terminals 11 & 12