

- O.** Provide CAT3 interconnecting cable for each telephone outlet termination at the telephone 110 **wiring block** to connect to the *Verizon* service block.
- P.** Upon completion, all data network cables/terminations shall be tested utilizing NRTL certified equipment per EIA/TIA TSB95. Submit written test results for each outlet/cable homerun. The test results shall include:
1. Wire Map
 2. Length
 3. Attenuation
 4. Near-end Crosstalk (NEXT) Loss
 5. NEXT (**Near End** Cross Talk)
 6. PS-NEXT (power **Sum** Near End **Cross** Talk)
 7. ELFEXT (Equal Level **Far** End Cross Talk)
 8. PS-ELFEXT (Power **Sum** Equal Level Far End Cross Talk)
 9. Propagation Delay
 10. Delay Skew
 11. Impedance Return loss
 12. Wire map will determine the following:
 - a. Continuity to the remote end
 - b. Shorts between any two or more conductors
 - c. Crossed pairs
 - d. Reversed pairs
 - e. Split pairs
 - f. Any other **miswiring**
 13. Below are the current testing requirements in addition to the basic wire-map and length tests for Category 5E cables and the respected limits for each test parameter.

Attenuation	21.6 dB Link – 24.0 dB Channel
NEXT	32.3 dB Link – 30.1 dB Channel
PS-NEXT	29.3 dB Link – 27.1 dB Channel
ELFEXT	20.0 dB Link – 17.4 dB Channel
PS-ELFEXT	17.0 dB Link – 14.4 dB Channel
Return Loss	21.1 dB Link – 10.0 dB Channel
Prop. Delay	510 ns Link – 548 ns Channel
Delay Skew	45 ns – 50 ns Channel
- U.** Where data network test results indicate non-conformance with EIA/TIA standards for CAT5e systems, corrective work shall be performed to achieve conformance.

END OF SECTION