SCOPE OF WORK:

1. INSTALL VHF DAS / BDA SYSTEM TO SUPPORT PUBLIC SAFETY “FIRST RESPONDERS” FOR IN-BUILDING RADIO COMMUNICATIONS. BDA SYSTEM TO PROVIDE FIRE AND SO RADIO COVERAGE WITHIN SAID FACILITY. SIGNAL SOURCE WILL BE THE DOUGLAS COUNTY JLEC SITE FOR PWL AND SES. SIGNAL SOURCE FOR JVES WILL BE STATION 12 EFF. SYSTEM IS NFPA COMPLIANT.

2. VHF BDA 2CH INCLUDES: ENCLOSURE, 24HR BATTERY BACKUP, RF FILTERS AND AMPLIFIERS, NFPA COMPLIANT AND INSTALLATION SUPPLIES.

3. CONTRACTOR SHALL PROVIDE DESIGN DOCUMENTS, INSTALLATION AND OPTIMIZATION.

4. BDA PERFORMANCE SHALL BE DEPENDENT UPON RADIATED POWER OUTPUT OF THE REPEATER TRANSMITTER (ERP).

5. DONOR ANTENNA DOWNLINK LEVELS SHALL MEET MINIMUM BDA COMPLIANT INPUT LEVELS (TYPICALLY -40DBM TO -60DBM).

6. DONOR ANTENNA SYSTEM INCLUDES 7DBI YAGI, NON PENETRATING ROOF MOUNT, ROOF PAD, ROOF BLOCKS, SURGE PROTECTOR AND INSTALLATION SUPPLIES.

7. DISTRIBUTED ANTENNA SYSTEM INCLUDES: TELEVAVE PANEL ANTENNAS, LINE TAPS AND SPLITTERS, PLENUM, CONNECTORS, CABLE SUPPORTS AND INSTALLATION SUPPLIES.

8. INSTALLED SYSTEM TO MEET NFPA 1221 COMPLIANT OR AHJ REQUIREMENTS AND MAY INCUR ADDITIONAL CHARGES.

9. BATTERY BACKUP – 24 HRS.

10. ALL COAXIAL RUNS SHALL BE PLENUM/FIRE RETARDANT RATED CABLE (EXCEPT EXTERNAL OUTSIDE RUNS).

11. ALL WALL OR FLOOR PENETRATIONS SHALL BE IN CONDUIT AND FIRE CAULKED PER IFC 510 AND NFPA 1221.
HARDWARE RACKS FOR SYSTEM TO BE LOCATED IN EXISTING MECHANICAL MEZZANINE.
LOCATE HEAD END RACKS IN STORAGE SPACE AT FIRST FLOOR