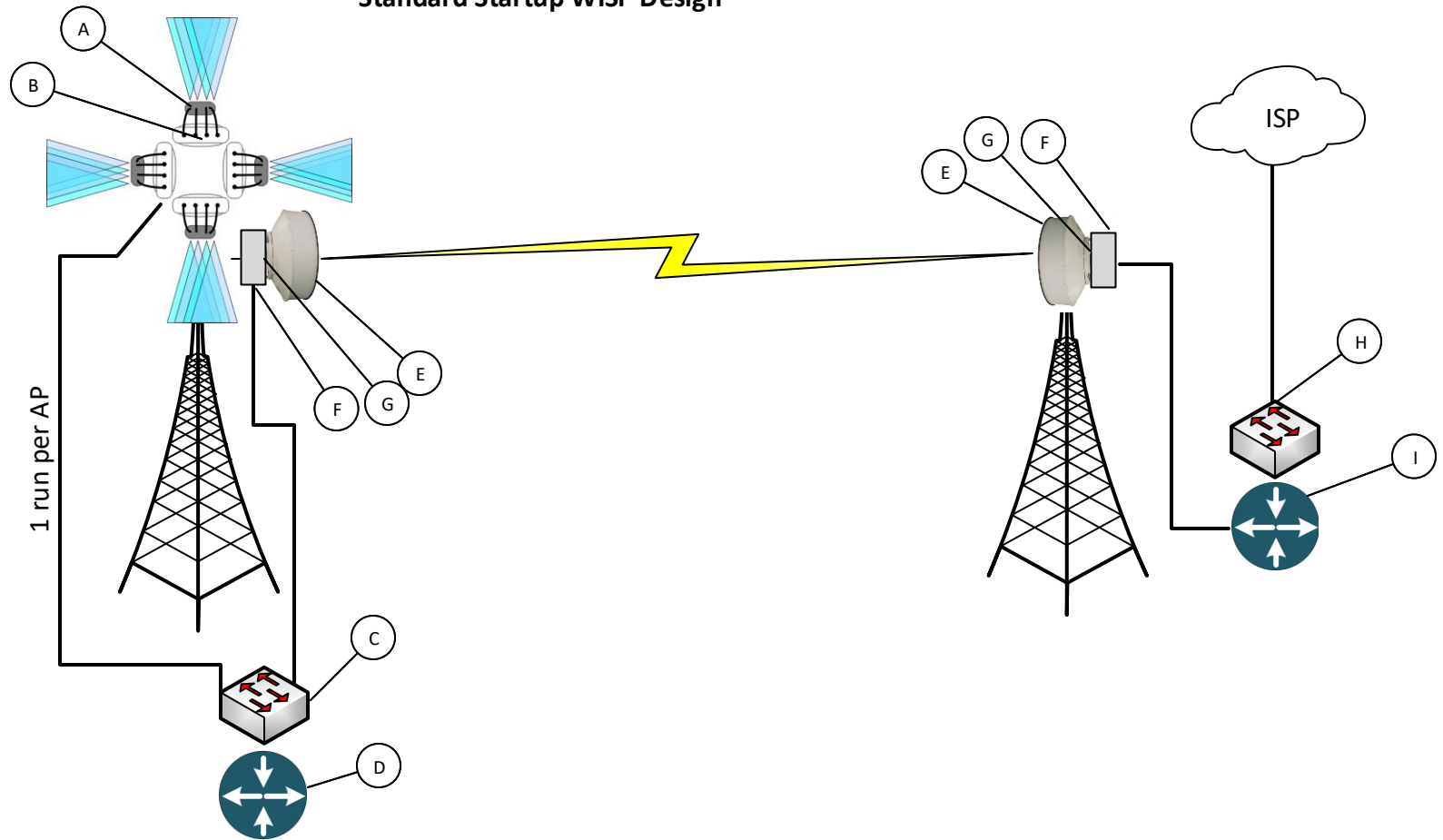


Standard Startup WISP Design



1 run per AP

LEGEND

- A – Access Point or Base Station (LTE) X 4
- B – Sector Antenna, X 4 for 360 degree coverage
- C – POE Switch
- D – Tower Router
- E – Backhaul Dish (licensed)
- F - Backhaul radio (licensed)
- G – Backhaul duplexer
- H – Core Router
- I - Core Router

OPTIONS AVAILABLE

Additional options and modifications are available, priced on request including:

- * Remote power systems, wind and solar
- * DC Power systems and battery backups
- * Other manufacturers and technologies including Mimosa, Cambium, and Baicells LTE
- * Higher capacity Access Points and Backhails
- * Longer backhaul distances (larger antennas)

EXAMPLE CAPACITIES

Head End Core Capacity: 10G, fiber or copper

Backhaul Capacity: Up to 1.3 GBps aggregate at 6 miles with 56 MHz channel (longer distances and speeds with different antenna options). This link is licensed so all 56 MHz may not be available requiring different designs. We provide the FCC coordination.

Tower Capacity as configured: Approximately 20-50 subscribers per sector depending on aggregate bandwidth provisioned, 80-200 subscribers per tower.