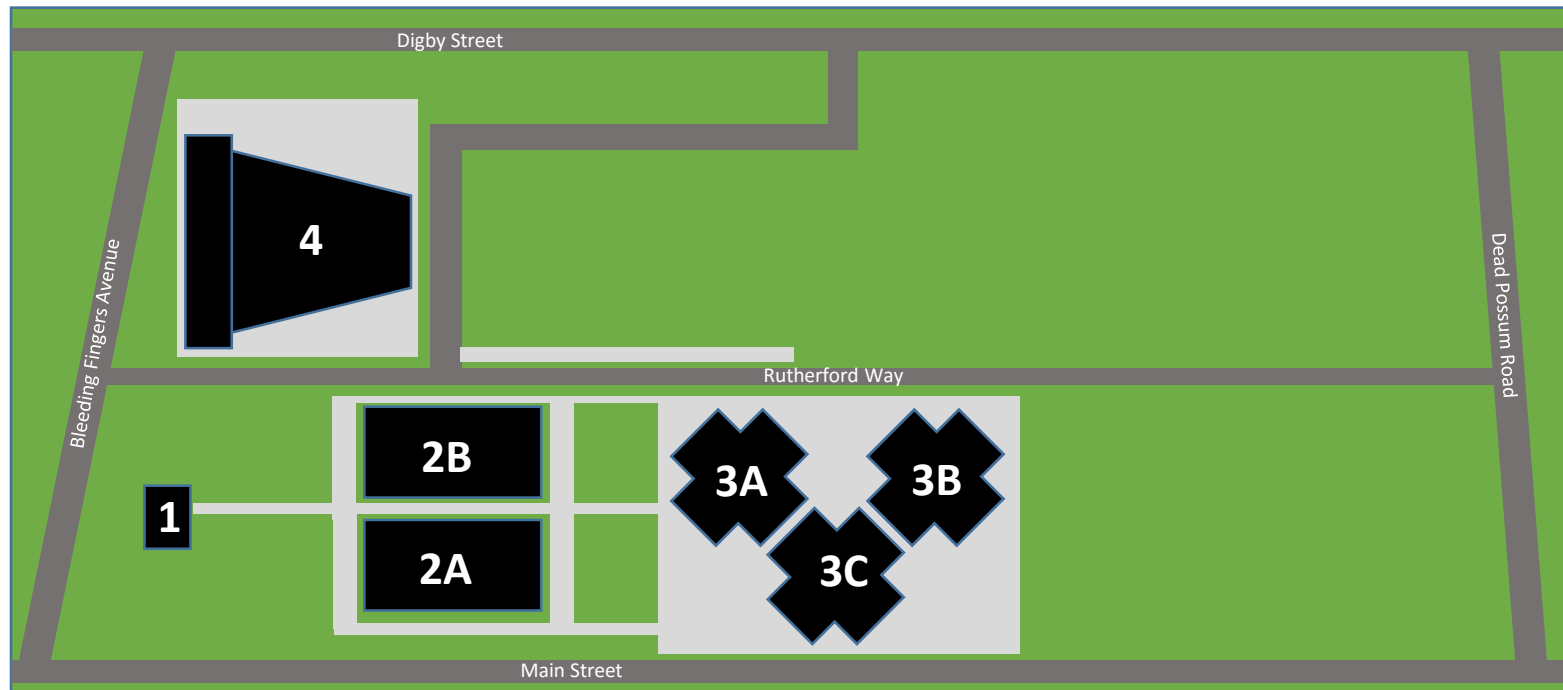


System Design Session #3

A Case Study of the Audio Systems at
Sir Digby Rutherford's School for Wayward Musicians

Campus Overview

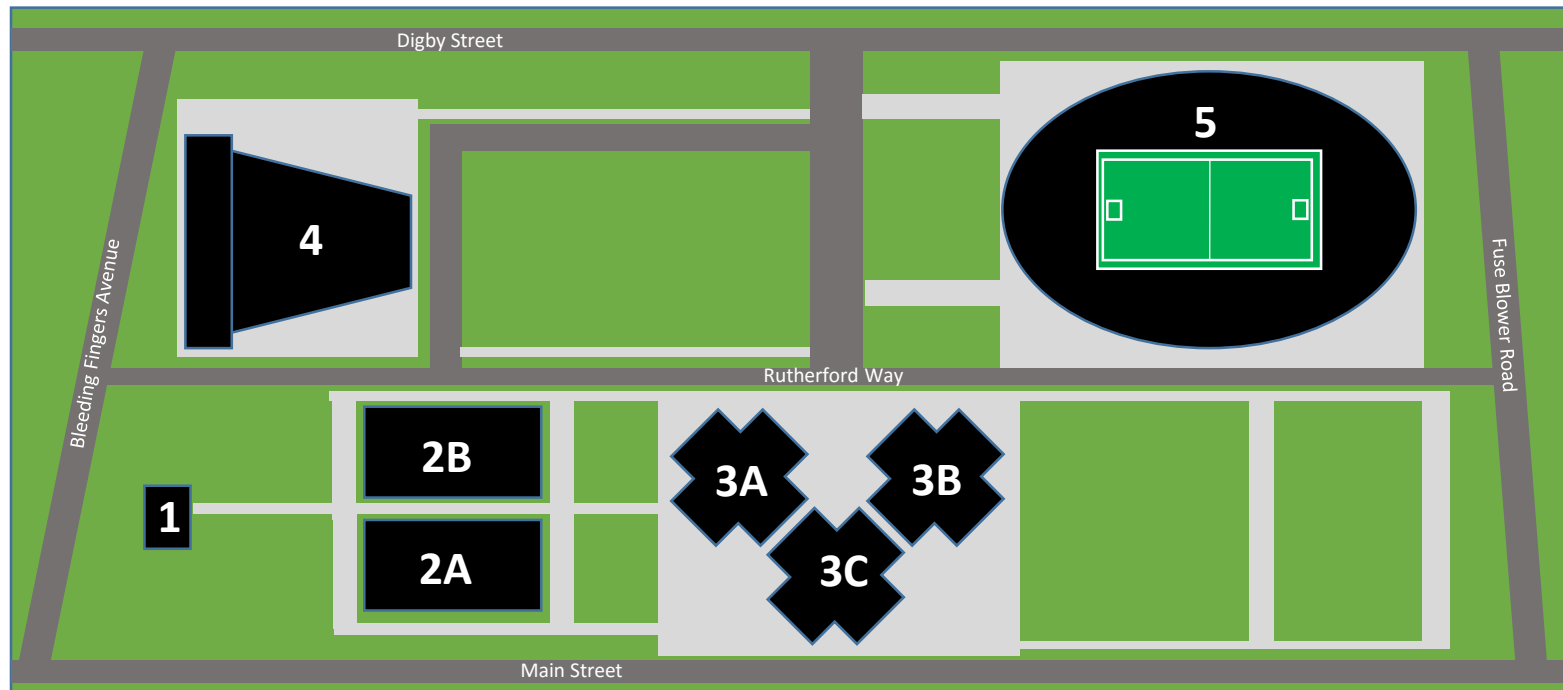
Continued success in the education and career placement of the wily musician allowed for further expansion:



- 1 – Lecture Hall (Original Building)**
- 2 – Education Center (Classrooms)**
- 3 – Student Center & Housing**
- 4 – Performing Arts Center**

Campus Overview

Which led to the building of a new outdoor sports stadium.



- 1 – Lecture Hall (Original Building)**
- 2 – Education Center (Classrooms)**
- 3 – Student Center & Housing**
- 4 – Performing Arts Center**
- 5 – Stadium**

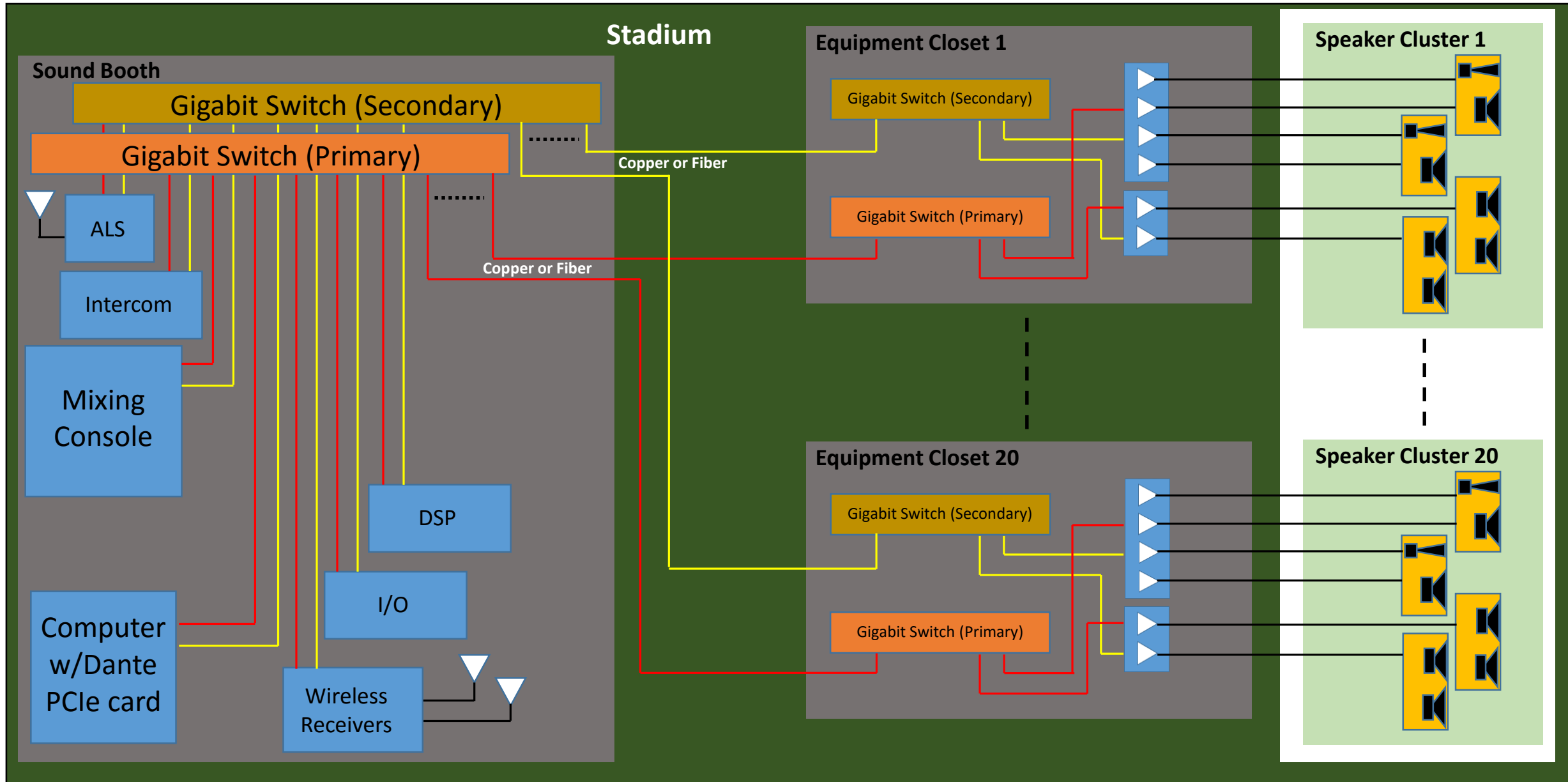
Stadium - Project Description

- New construction of a soccer/rugby stadium
 - 25,000 seat capacity.
 - Used primarily for sporting events, and the occasional concert.
 - In house A/V production for the stadium “big screen” displays.
- In addition to the stadium “bowl” sound system, the audio design also includes:
 - Press Box PA
 - Radio/Television broadcast booths & connections for remote broadcast trucks on field level.
 - Audio for the concourses, concessions, and ticketing areas
 - Audio for 12 private executive suites
 - Audio for the locker rooms and interview rooms

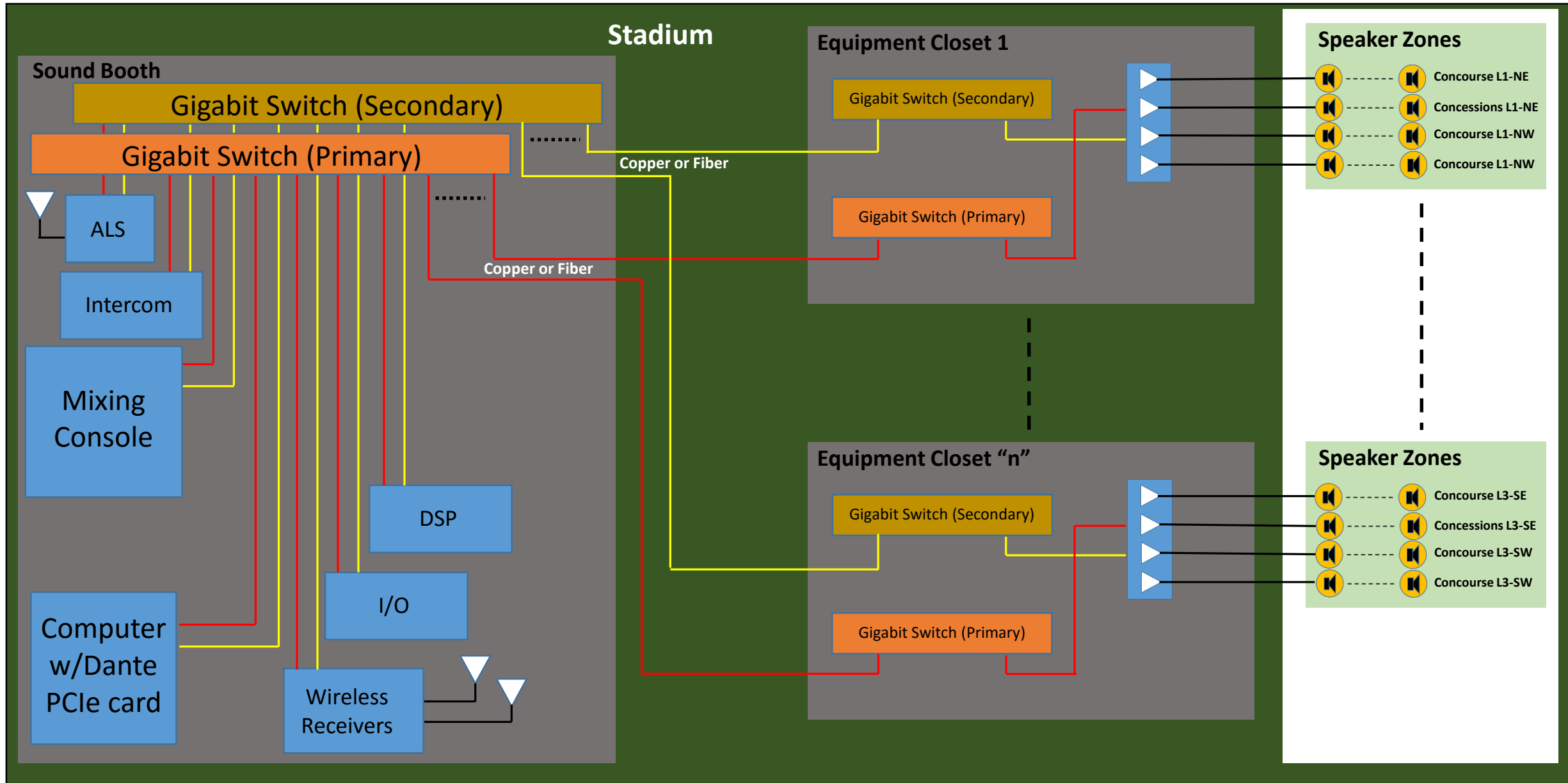
Stadium - System Components

- The audio systems require:
 - Mixing console
 - DSP
 - Power Amplifiers and/or powered loudspeakers
 - Loudspeakers (bowl, concourses, press boxes, executive suites, etc...)
 - Wireless microphones
 - Wired microphones
 - Remote I/O (various
 - Intercom
 - Assisted Listening System

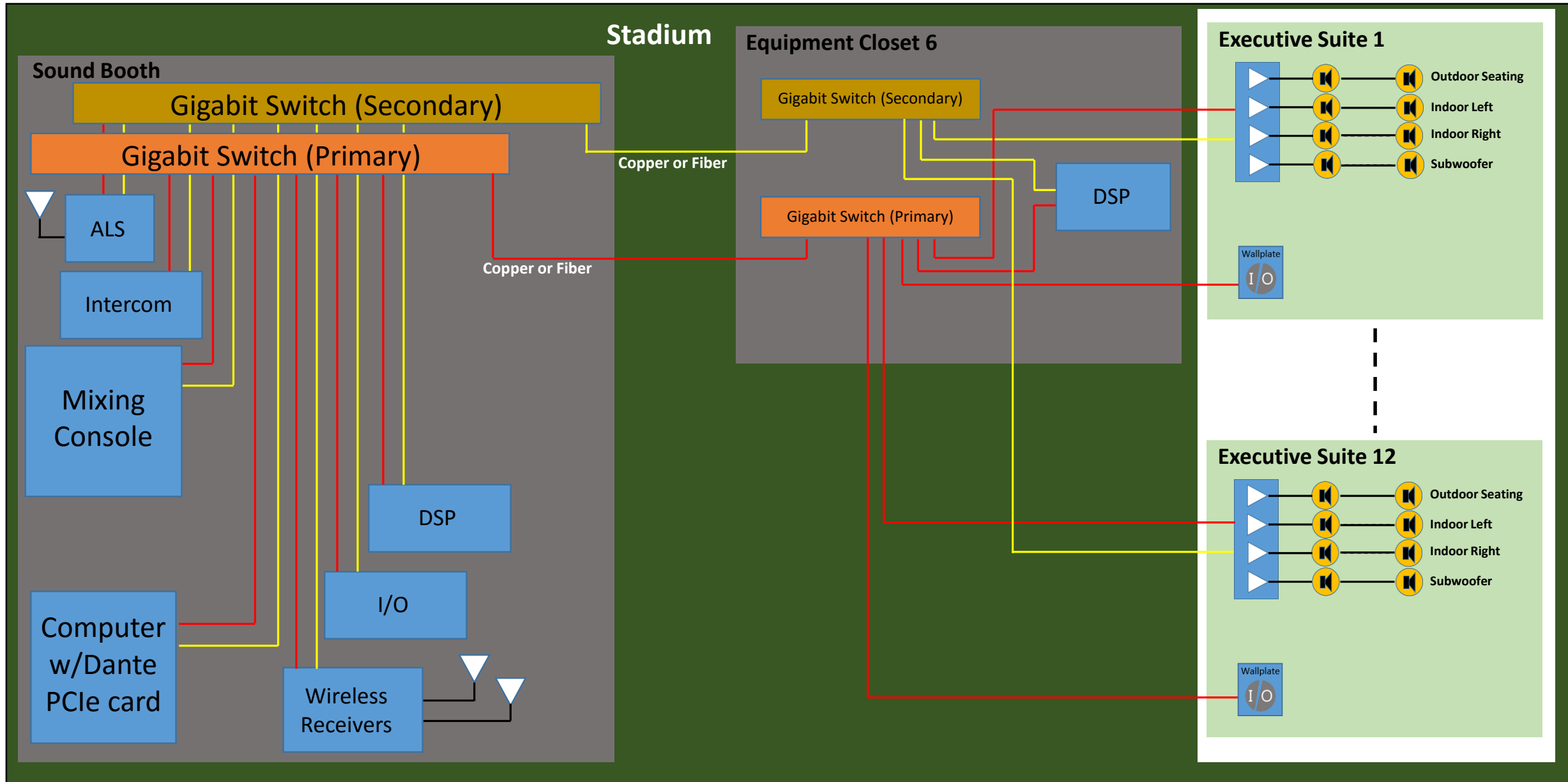
Stadium – Block Diagram: “Bowl” Audio



Stadium – Block Diagram: Concourse Audio



Stadium – Block Diagram: Executive Suites



Stadium – Block Diagram: Ancillary Systems

