2016 SECOND PLACE

Michael Honyak

LYCEUM
A traveling fellowship in Architecture
BOSTON 2024
SUMMER OLYMPICS

URBAN ANCHORAGE FLANK
(Derived from nautical terms, the anchor is a strong connection, while flank is movement faster than full speed.)

2016 LYCEUM COMPETITION
HISTORICAL ANALOGY

Boston has derived from a history of sailing from New England to the United States. Through the old iron side ships, I found inspiration for a demountable structure that could utilize historical references integrated into the context resembling an extension of the harbor. The function of the Olympic Games is also represented through the stadium as the twisting human form of a shot put being thrown.

Demountability

The proposed demountable stadium led me to produce an envelope that is readily assembled and disassembled while utilizing only masts, lines, and sails.
DEMOUNTABLE STADIUM

The three envelope components detach from the site first, while a layered precast recyclable concrete structure is removed sequentially.

- TENSION LINES
- SAILS
- MASTS AND ANCHOR LINES
- UPPER LEVEL SEATING
- MEDIA AND SPECTATOR SERVICES
- CIRCULATION
- UPPER LEVEL FLOOR SLABS
- LOWER LEVEL SEATING
- ATHLETE SERVICES AND BACK OF HOUSE
- LOWER LEVEL FLOOR SLABS
- STRUCTURE
- OLYMPIC TRACK AND FIELD
- WARM UP FIELD
- PARKING
The Interactive stadium envelope reacts to the input of spectator location or sunpath for ideal lighting.

The sails movement was generated through scripting and has the ability to move them variably or in unison.