Green Globes for
UNC CHARLOTTE UNIVERSITY RECREATION CENTER
May 15th, 2018
2018 Green Globes Annual User Summit
BUILDING
OVERVIEW
Green Globes for University Recreation Center Exterior:

- Commissioning Agent on Board
- Energy Modeling
- Integrated Design Process
- High Performance Glazing
  - Double Glazing R-Value: 4.35, U-Value: 0.23, SHGC: 0.23
  - Triple Glazing R-Value: 5.56, U-Value: 0.18, SHGC: 0.21
- Material Selection
  - Continuous Envelope Insulation
  - Continuous Exterior Stud Wall R-Value: R-22
  - Continuous Roof R-Value: R-27.5
  - Heat Recovery Ventilation
  - Variable Refrigerant Flow & Speed Drives
  - Whole Building Metering
- Building Envelope Commissioning Agent on Board
Green Globes for University Recreation Center Interior:

- Material Selection
  - Life Cycle Cost Analysis Tool
  - Floor Finishes
  - Exterior Wall Systems
  - MEP Systems
- Low/No VOC Materials
- Energy Conservation
  - EPA WaterSense fixtures
  - Building Openings Tested for Performance
Green Globes Assessor Suggestions:

- Conduct a study of photovoltaics
- Collect EPDs on interior fit out materials to determine if the project can comply
- Building service life plan is mostly contained in the LCA information – abstract a summary for convenient reference
- Include a General Commissioning Requirements specification section to integrate goals into the construction documents
- Consider requiring best practices for protecting materials from moisture, in order to support post-construction air quality
- Consider the purchase of RECs if Green Globes points are needed