

### GOAL:

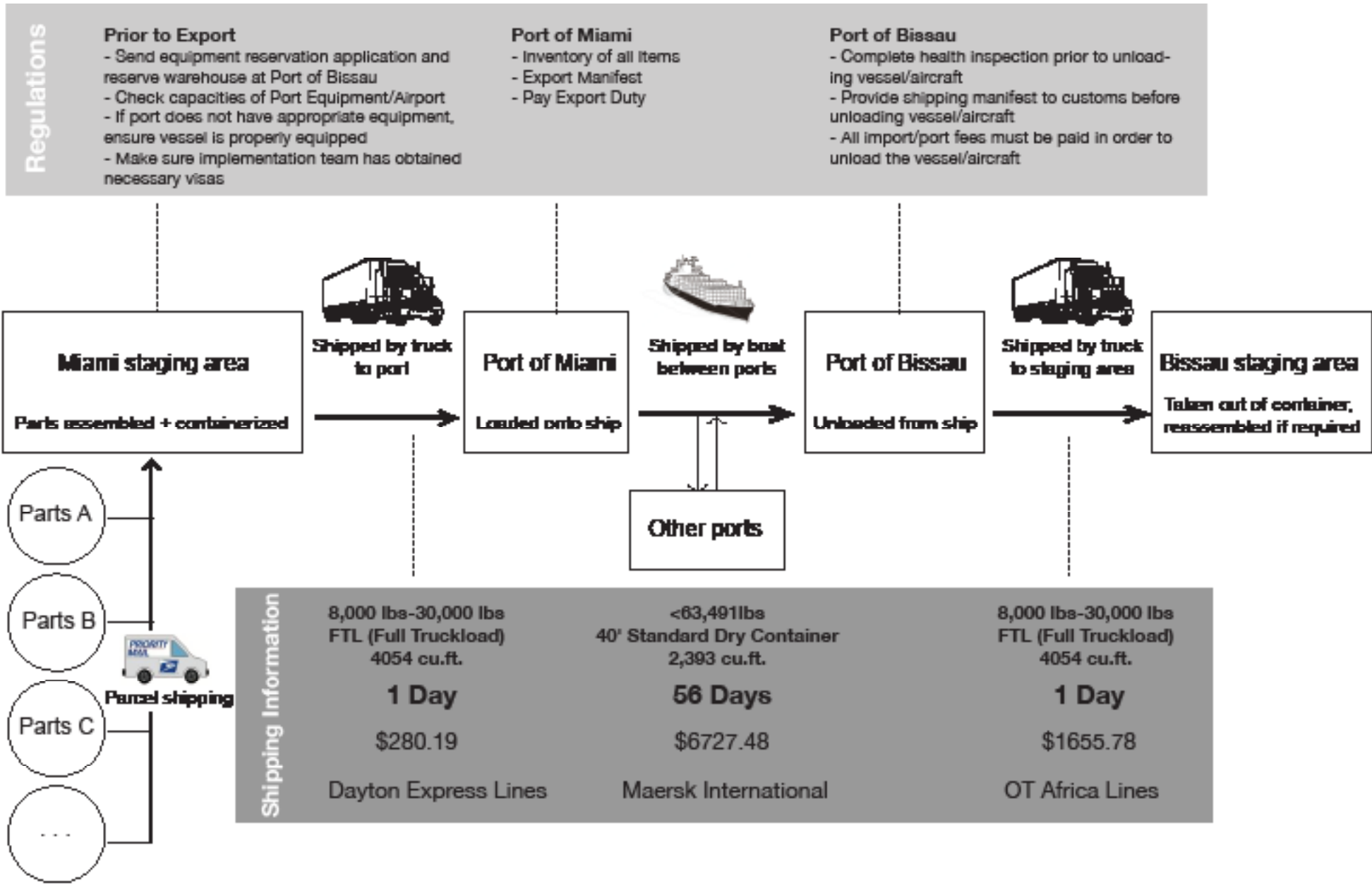
- As the group responsible for the logistical matters of the project, our goal is to coordinate the delivery of materials, equipment, etc in an efficient and timely manner. By understanding and evaluating the needs and wants of each group, we can begin to source, ship, and deliver materials to the site for construction.
- End Product: Comprehensive timeline detailing all the steps required to gather, ship and assemble all materials required for the school, including storage of materials and any tools required for assembly and all paperwork/documentation necessary to move the project forward smoothly.

### ADDITIONAL RESPONSIBILITIES:

- Research of the local customs and tariffs as well as the transportation of the supplies will be necessary to enable an effective delivery of the project by the Orebok Foundation.
- Research customs regulations, tariffs, and laws (local, regional, and international), including necessary documentation for exportation and importation of goods
- Research transportation methods and make assessments based on what fits into the timeline and budget [cost effectiveness]. Refine assessments based on input/feedback from budget/construction teams.
- What are the logistics related to getting people to the site? Where will they stay once they are there?
- What are the logistics related to long term goals? (i.e. shipping books and other equipment/supplies related to the school)

# Logistics: Scenario 1 Prefabricated Units Shipped by Ocean Freight

Total Duration: 59 days / Total Shipping Cost: \$13,306



**Regulations**

**Prior to Export**

- Send equipment reservation application and reserve warehouse at Port of Bissau
- Check capacities of Port Equipment/Airport
- If port does not have appropriate equipment, ensure vessel is properly equipped
- Make sure implementation team has obtained necessary visas

**Port of Miami**

- Inventory of all items
- Export Manifest
- Pay Export Duty

**Port of Bissau**

- Complete health inspection prior to unloading vessel/aircraft
- Provide shipping manifest to customs before unloading vessel/aircraft
- All import/port fees must be paid in order to unload the vessel/aircraft

**Miami staging area**  
Parts assembled + containerized



Shipped by truck to port

**Port of Miami**  
Loaded onto ship



Shipped by boat between ports

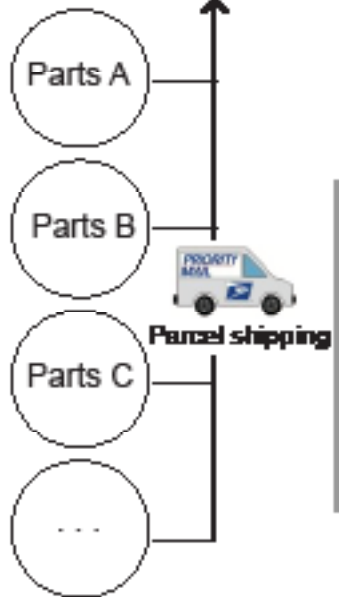
**Port of Bissau**  
Unloaded from ship



Shipped by truck to staging area

**Bissau staging area**  
Taken out of container, reassembled if required

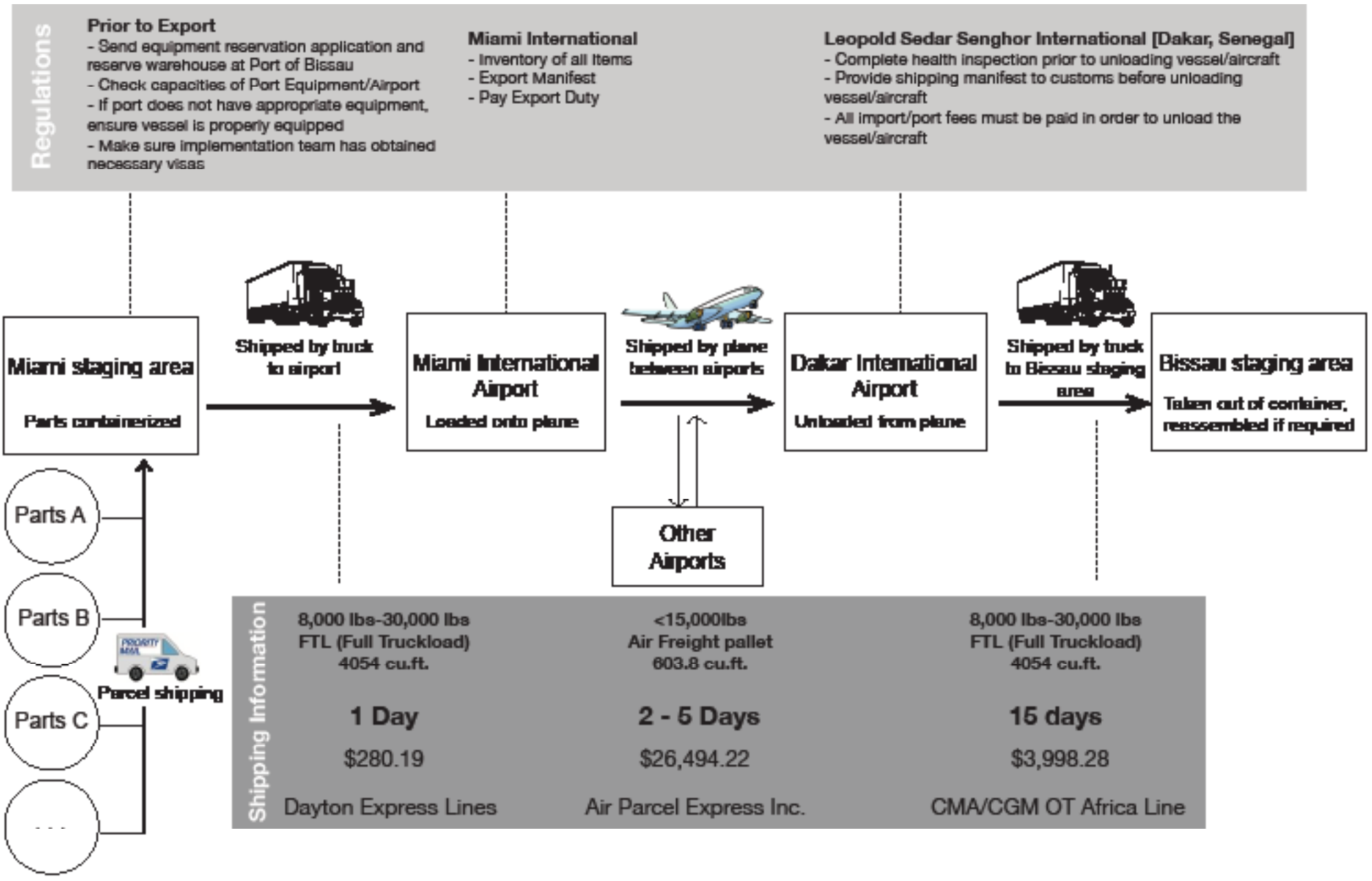
**Other ports**



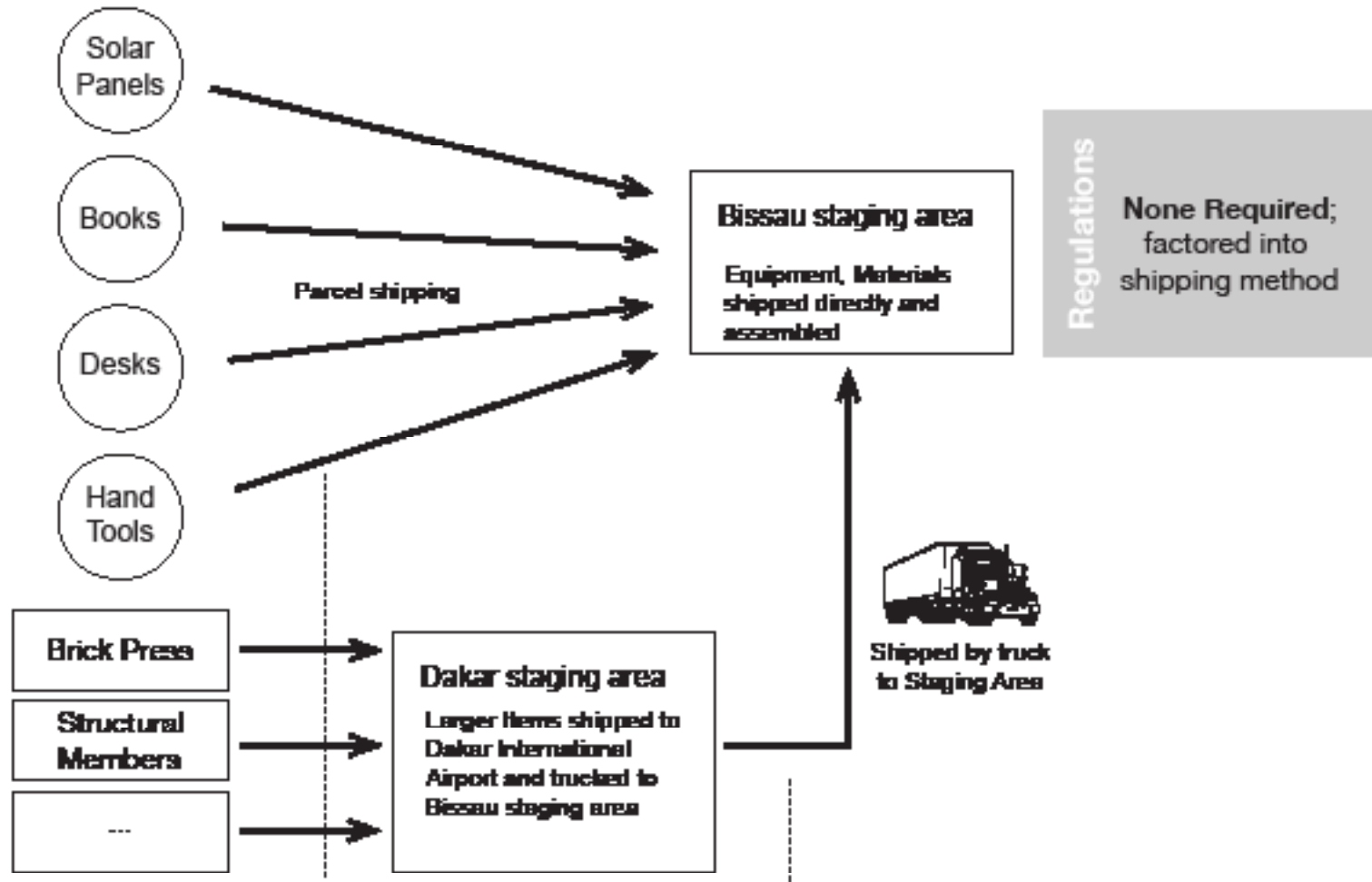
<b>Shipping Information</b>	8,000 lbs-30,000 lbs FTL (Full Truckload) 4054 cu.ft.	<63,491lbs 40' Standard Dry Container 2,393 cu.ft.	8,000 lbs-30,000 lbs FTL (Full Truckload) 4054 cu.ft.
	<b>1 Day</b>	<b>56 Days</b>	<b>1 Day</b>
	\$280.19	\$6727.48	\$1655.78
	Dayton Express Lines	Maersk International	OT Africa Lines

# Logistics: Scenario 2 Prefabricated Units Shipped by Air Freight

Total Duration: 22 days / Total Shipping Cost: \$35,415



**Logistics: Scenario 3** Units Built On-site with Indigenous Materials  
 Total Duration: 21 days / Total Shipping Cost: \$9,011



<b>Shipping Information</b>	<15,000lbs Air Freight pallet 603.8 cu.ft.	100 lbs-10,000 lbs LTL (Lighter Than Truckload) 1989 cu.ft.
	<b>2 - 5 days</b>	<b>15 days</b>
	\$3,068.00	\$1300.00
	Air Parcel Express Inc.	CMA/CGM OT Africa Line

# Logistics: Final Stretch

Bissau Staging Area to Final Island Destination  
[Cost and Time estimates included in each scenario]

