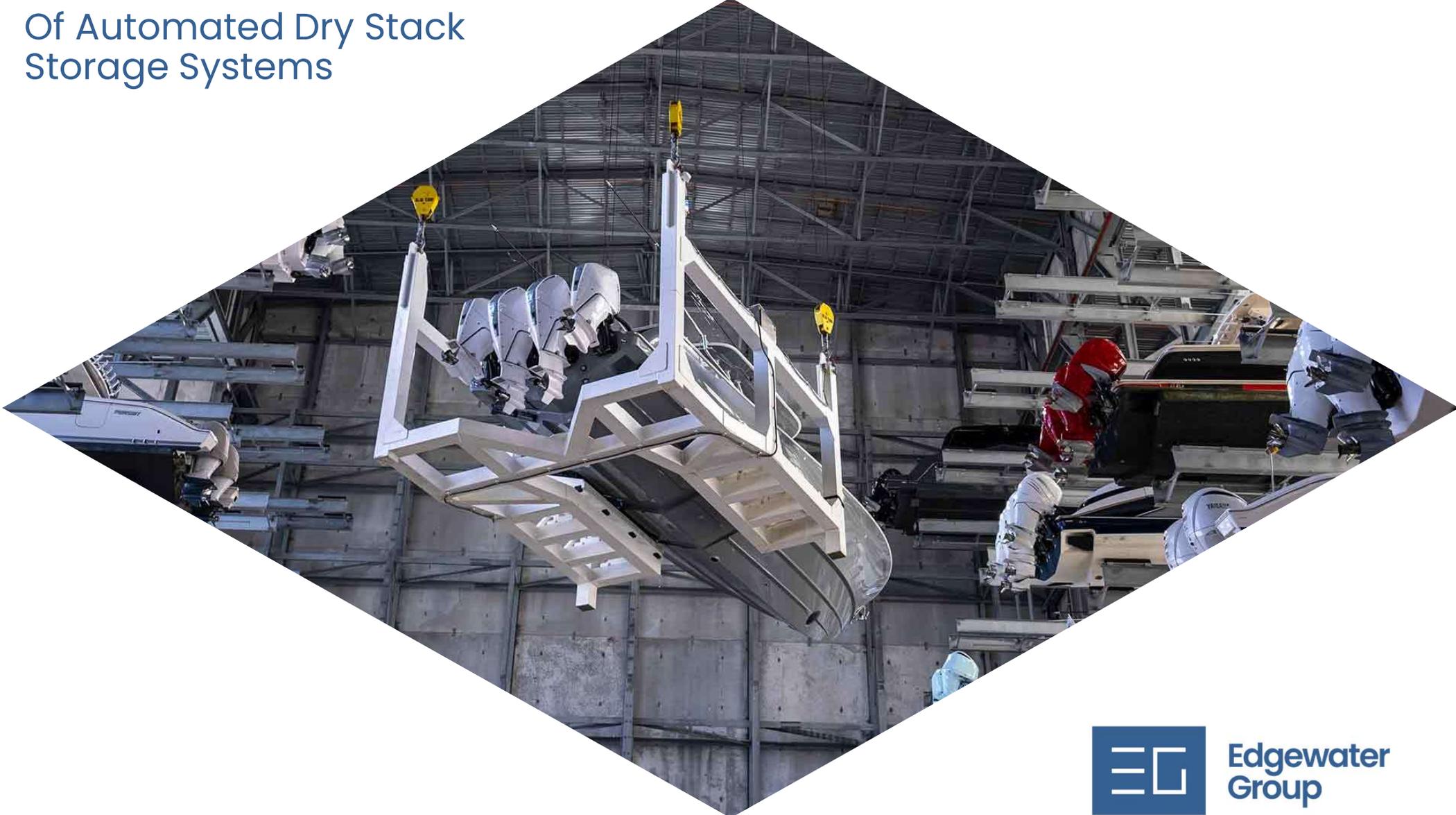


The Next Generation

Of Automated Dry Stack Storage Systems



Edgewater
Group

Ft. Lauderdale, FL

Presentation Outline

I. INTRODUCTION

II. TRADITIONAL FORKLIFT DRYSTACK SYSTEMS

III. AUTOMATED DRY STACK SYSTEMS OVERVIEW

IV. AUTOMATED LAUNCHING & HANDLING SYSTEMS

- Stacker Crane System – ASAR & DOCKIT
- Fixed Crane System / Coastal Elevators
- Cable Overhead Crane Systems
- AGV Robotic Systems

V. BUILDING LAYOUT OPTIONS

VI. DRY STACK MARINA BUDGETS

VII. BRINGING THE NEXT GENERATION TO YOU



Edgewater Group

Specialty Marina Planning/Design/Engineering Firm

- CIVIL / MARINA / ENVIRONMENTAL / COASTAL ENGINEERING / HYDROGRAPHIC SURVEYING
- GEOTECHNICAL / STRUCTURAL / COMPUTER & PHYSICAL MODELING / OCEAN ENGINEERING
- PLANNING / LANDSCAPE ARCHITECTURE / COMMUNITY OUTREACH / PERMITTING
- MARKET ANALYSIS / FINANCIAL / ECONOMIC SPECIALISTS



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II. Traditional Forklift Dry Stack Systems



HAMILTON HARBOR YACHT CLUB
Naples, FL USA

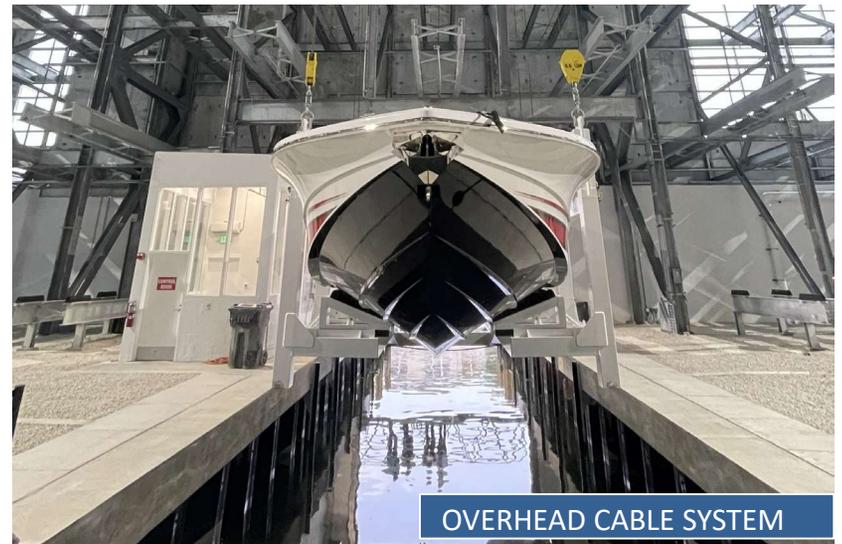
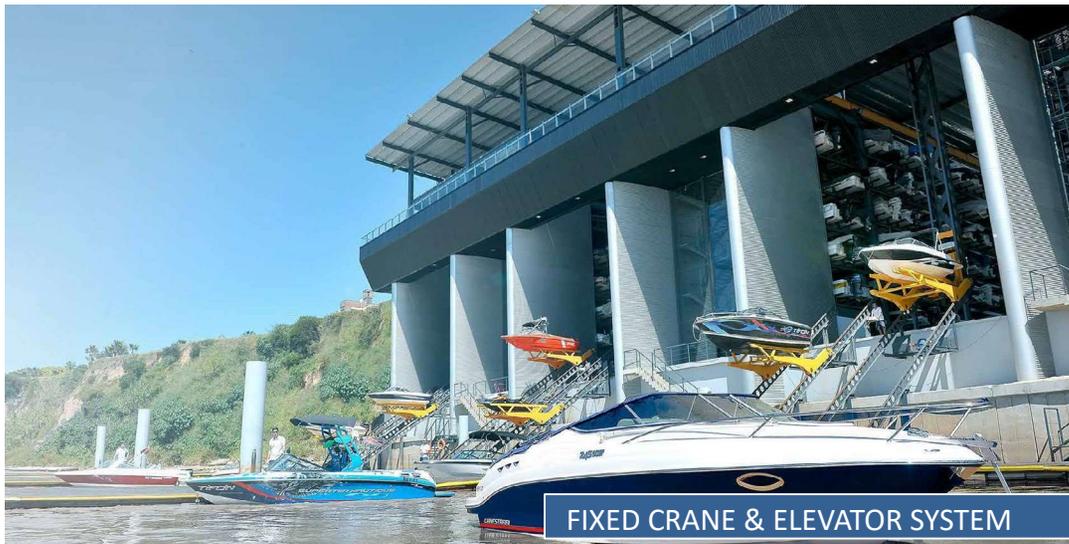
III. Automated Dry Stack Systems

MAINTAIN PUBLIC WALKWAY BENEATH LAUNCH AREA



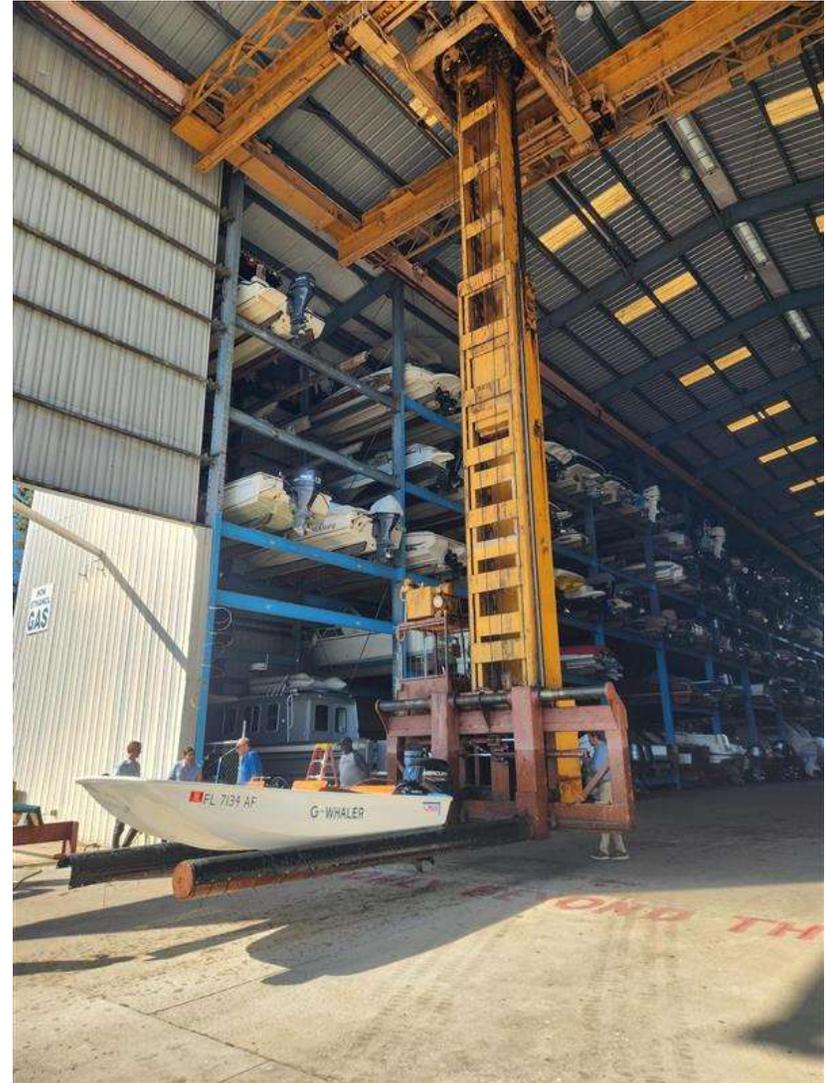
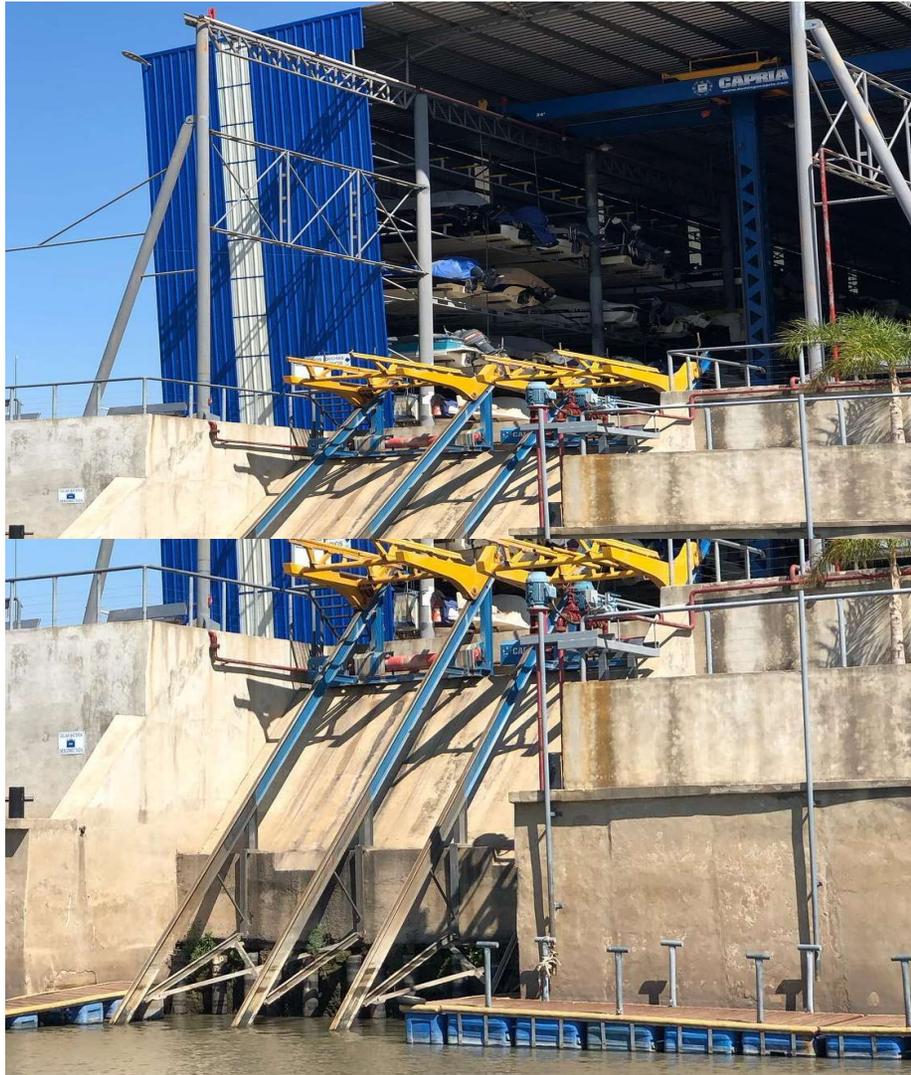
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IV. Automated Handling & Launching Systems



Fixed Crane System/Coastal Elevators

Floor Mounted Crane



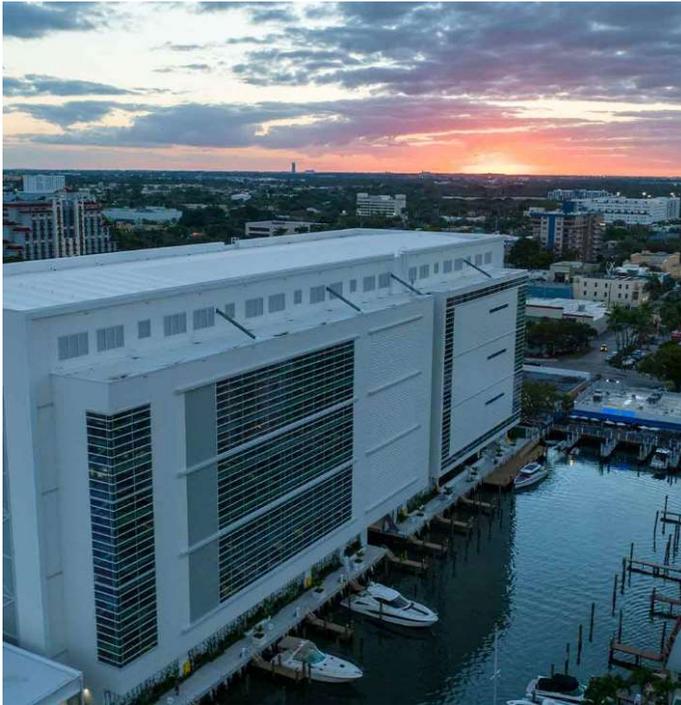
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Jacksonville

Fixed Crane System/Coastal Elevators



Cable Overhead Crane System



F3 MARINA, FORT LAUDERDALE – 240 BOATS – 2021



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Cable Overhead Crane System

THE PORT MARINA
FORT LAUDERDALE



THE PORT MARINA, FORT LAUDERDALE – 150 BOATS – 2005

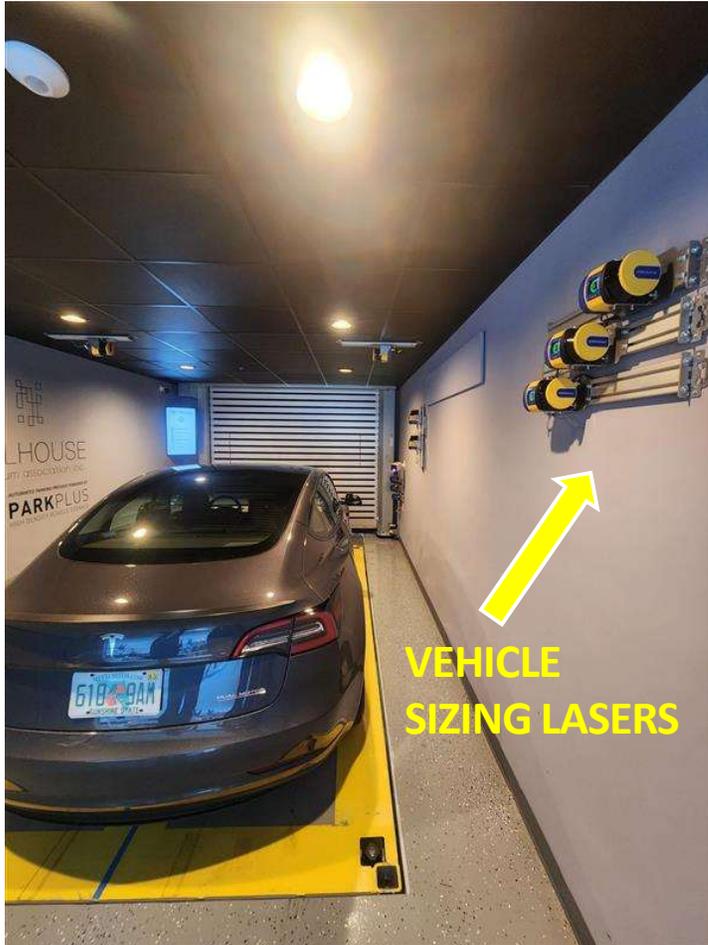
Cable Overhead Crane System

Port Marina, Ft. Lauderdale



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Future Marina AGV Robotic Systems



Park Plus

Future Marina AGV Robotic Systems



AUTO Park It



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V. Building Layout Options

Remote Boat Trolley



VI. Dry Stack Marina Budget

	COST PER BOAT	COMMENTS	
I. TRADITIONAL FORKLIFT BUILDING	\$25k - \$50K	N.I.C - FORKLIFT / SEAWALLS / QUEUE DOCKS/ APRON (CONC. APRON \$1-3M)	
II. ASAR STACKER BUILDING	\$50K - \$100K+	N.I.C SEAWALLS / QUEUE DOCKS	★
III. BRIDGE CRANE SYSTEM	\$35K - \$60K	INCLUDES CRANE N.I.C. - SEAWALLS / QUEUE DOCKS	
IV. OVERHEAD CABLE SYSTEM	\$75K - \$125K +	INCLUDES CRANE, INTERNAL LIFT WELL AND QUEUE DOCKS	
V. AUTOMATED GUIDED VEHICLE TRANSPORT	\$80K - \$110K+	CAN HANDLE COMPLEX BUILDING DESIGNS/DENSITY	★



VII. Bringing the Next Generation to You

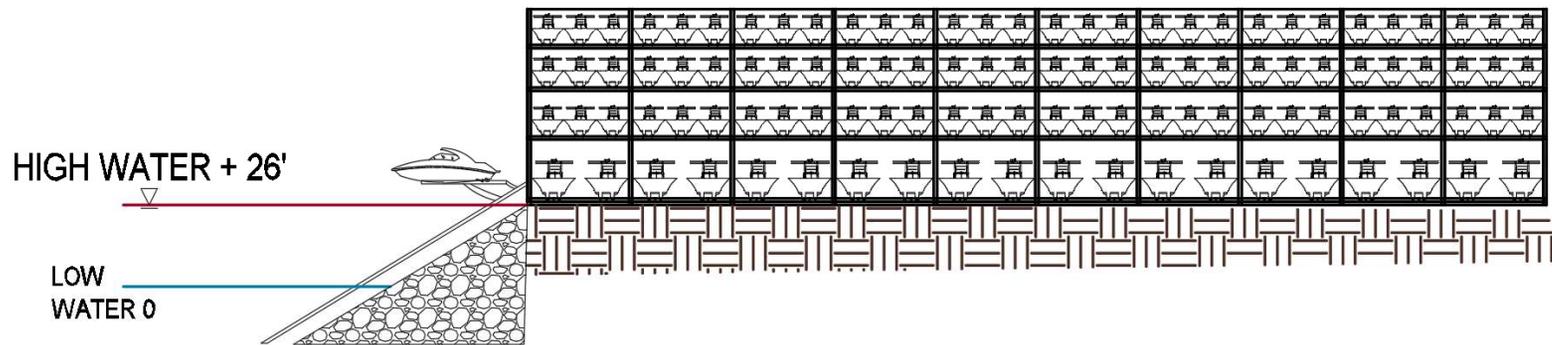
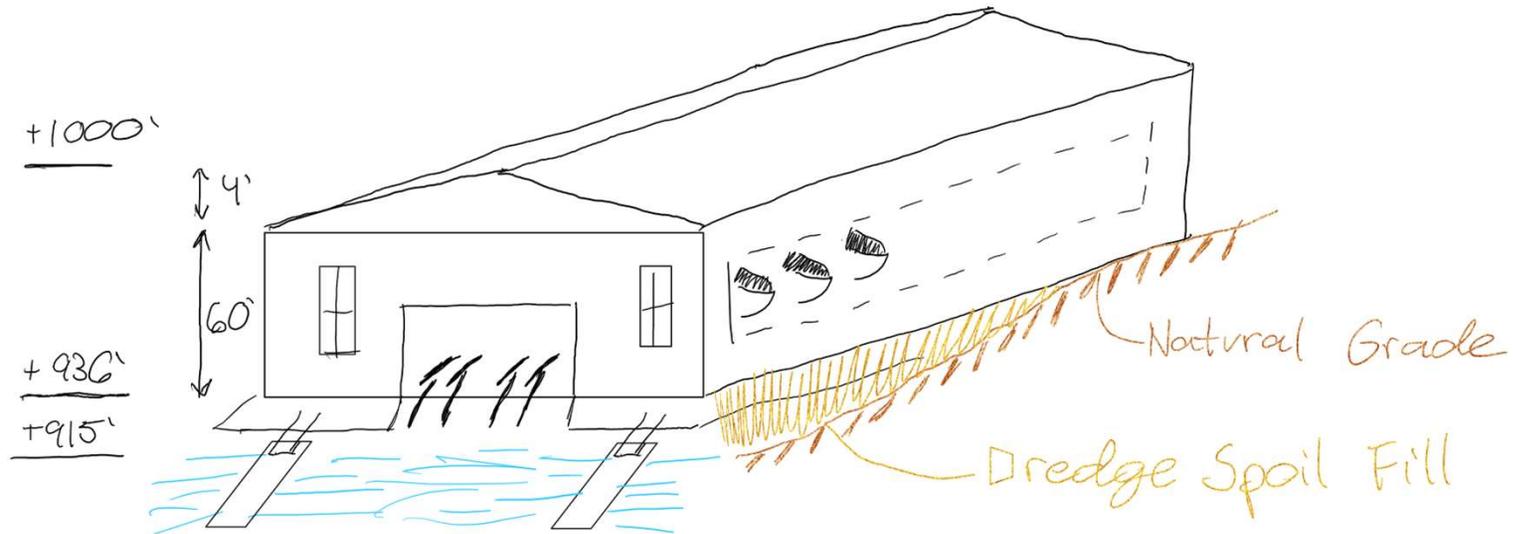


Table Rock Lake
Shell Knob, Missouri



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VII. Bringing the Next Generation to You



VII. Bringing the Next Generation to You



St. George Island
Franklin Co. FL



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VII. Bringing the Next Generation to You



St. George Island
Franklin Co. FL



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QUESTIONS?



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