

2-23-10

Update:

Ketchikan

Shipyard

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Shipyard</subject><comm>HEDC26</comm></target>

ALASKA STATE LEGISLATURE
ECONOMIC DEVELOPMENT, TRADE & TOURISM COMMITTEE

**Representative Jay Ramras
Chairman**

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Fairbanks, AK 99701



Committee Members:

Representative Mike Chenault
Representative Nancy Dahlstrom
Representative Kyle Johansen
Representative Reggie Joule
Representative Mark Neuman
Representative Harry Crawford
Representative Lindsey Holmes
Representative Chris Tuck

State Capitol, Room 120
Juneau, Alaska 99801

House Economic Development, Trade & Tourism Committee Agenda

Tuesday, February 23, 2010 at 5:15 p.m. in Room 106

+ The Ketchikan Shipyard – Strengthening the Alaskan Economy: Overview of the Ketchikan Shipyard, with an Update on Alaska Maritime Workforce Development, the Building of the M/V Susitna and Future Prospects

Guest Speakers:

**Douglas Ward, Director of Shipyard Development, Alaska Ship and Drydock, Inc.
Admiral Tom Barrett, Deputy Federal Coordinator, Office of the Federal Coordinator
for Alaska Natural Gas Transportation Projects**

- * First Hearing in First Committee of Referral
- + Teleconferenced
- = Bill was previously Heard/Scheduled



The Ketchikan Shipyard

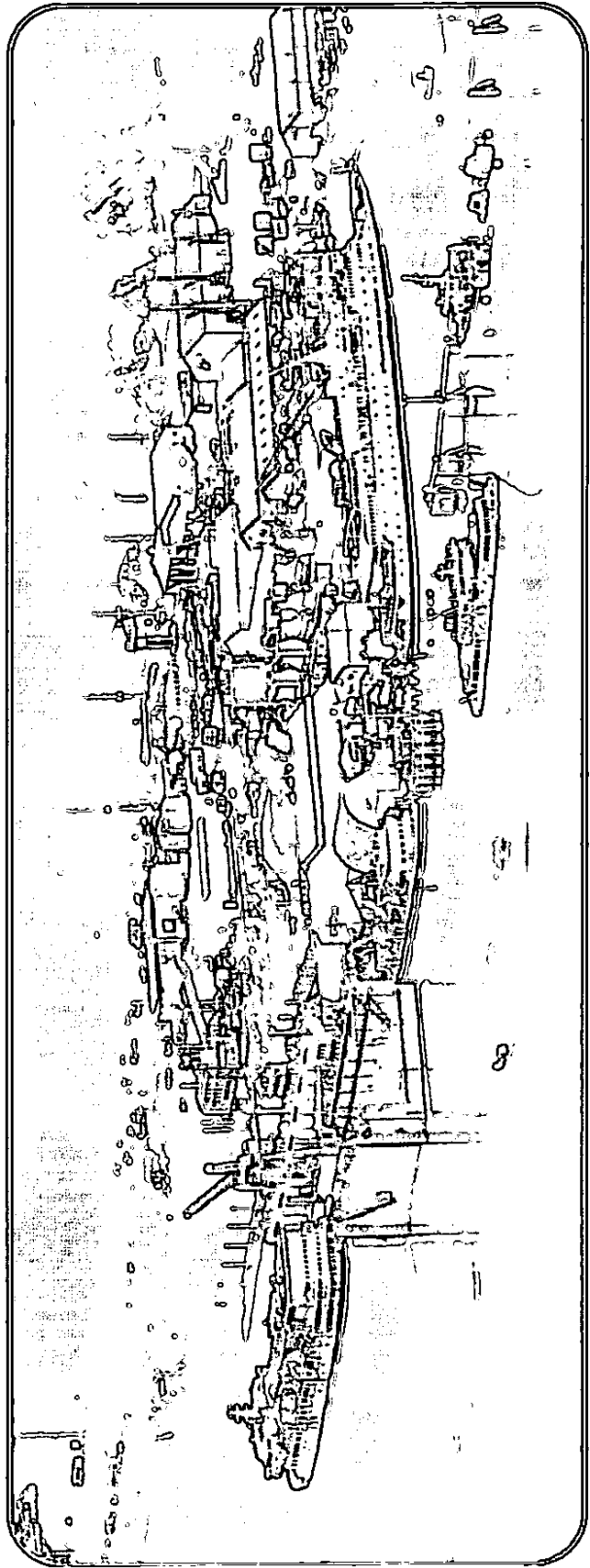
An Effective Public Private Partnership

Between

The Alaska Industrial Development & Export Authority,

Alaska Ship & Drydock, Inc.

The City and Borough of Ketchikan





Ketchikan Shipyard Development Plan

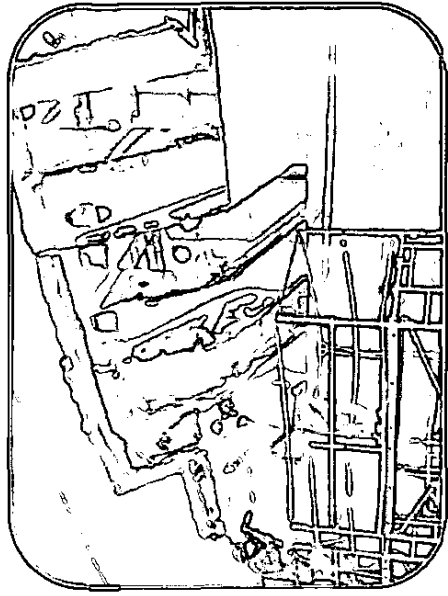
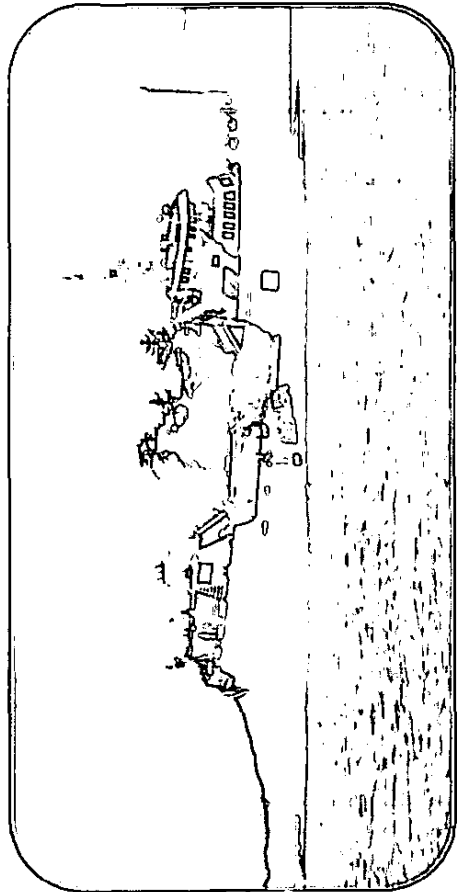
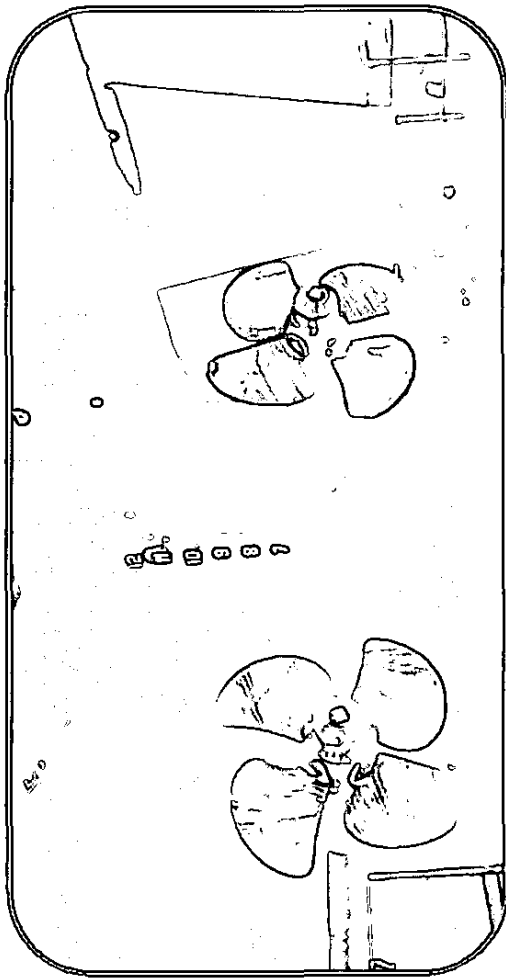
Globally Competitive Benchmarks



KETCHIKAN SHIPYARD
COMPLETION IMPROVEMENTS
—Douglas South



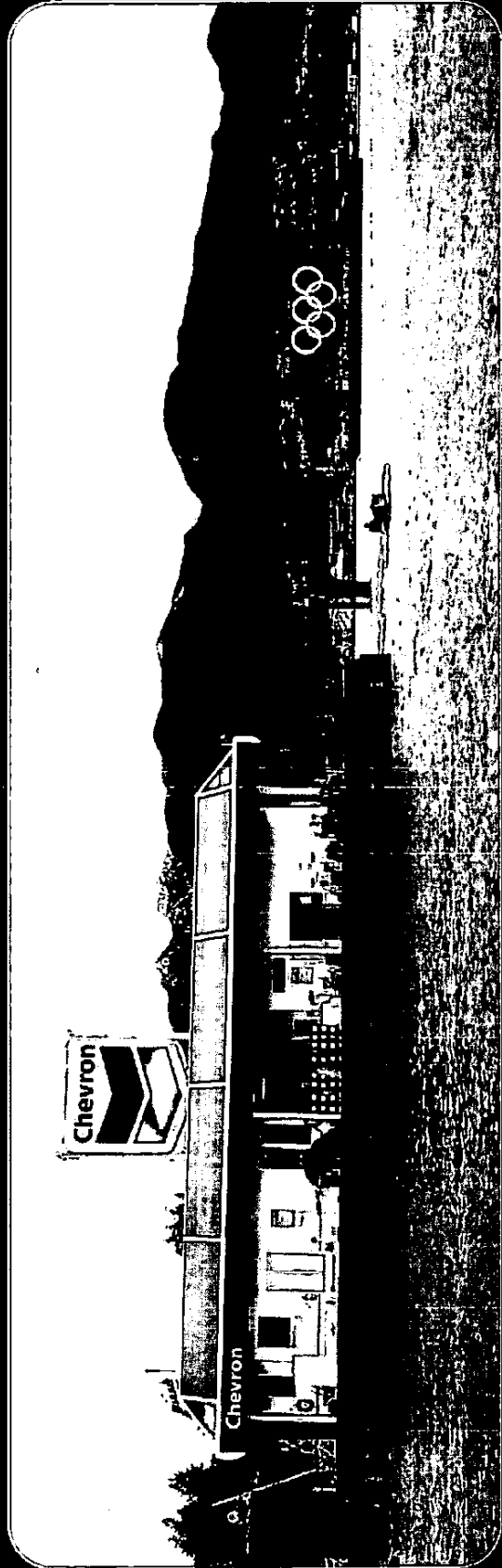
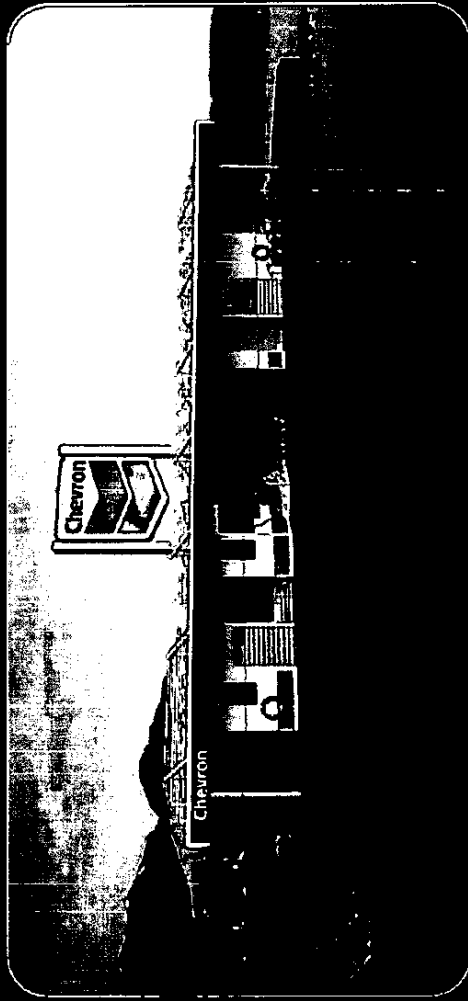
Reducing the Cost of Operating Alaska's Marine Transit System





Chevron Legacy

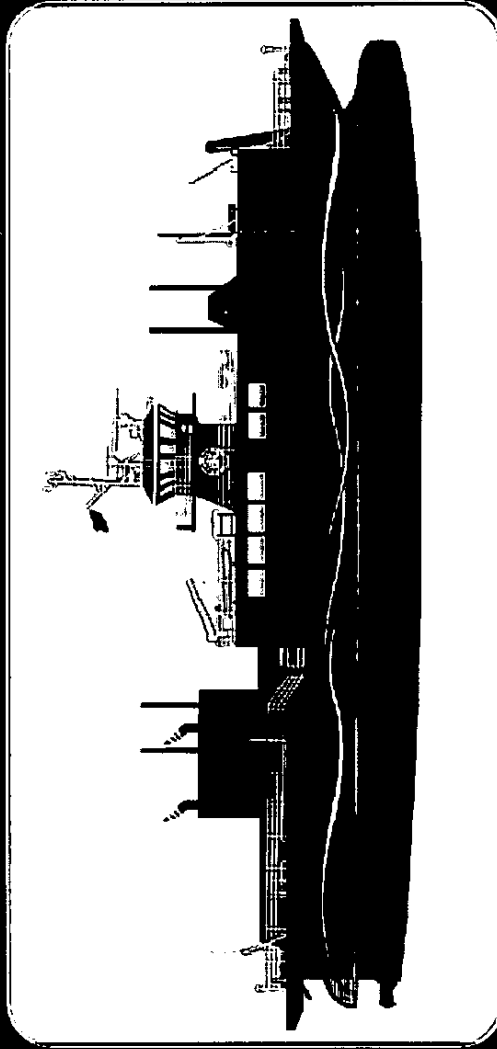
- Registered: Made in Alaska
- A Jones Act vessel Exported to the international market



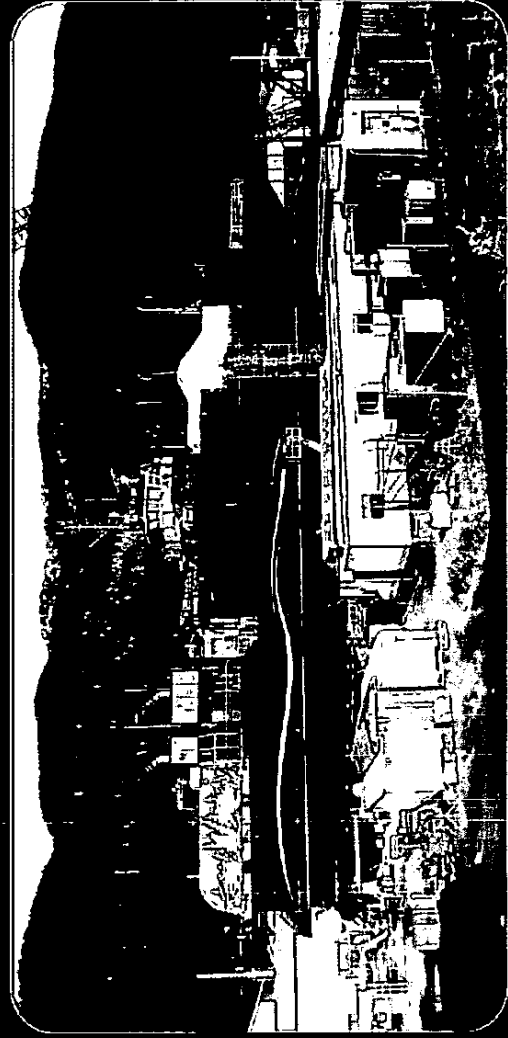


M/V Susitna

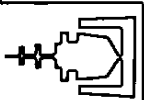
As Designed



- Registered: Made in Alaska
- Innovative marine engineering
- advanced manufacturing best practices

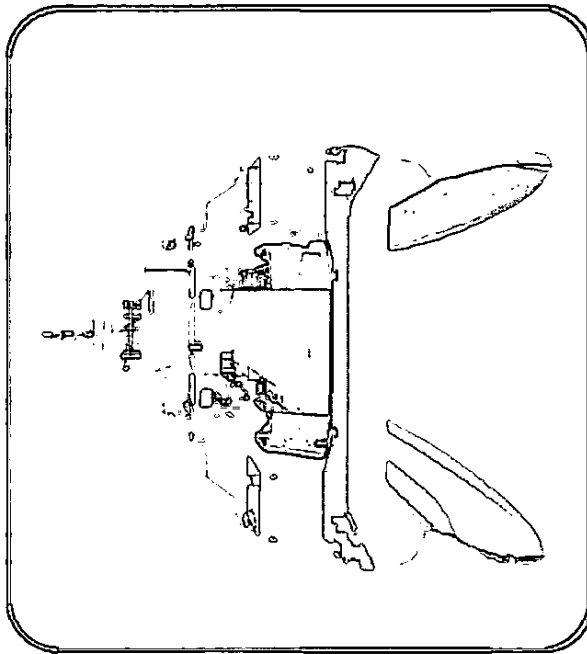


As Built



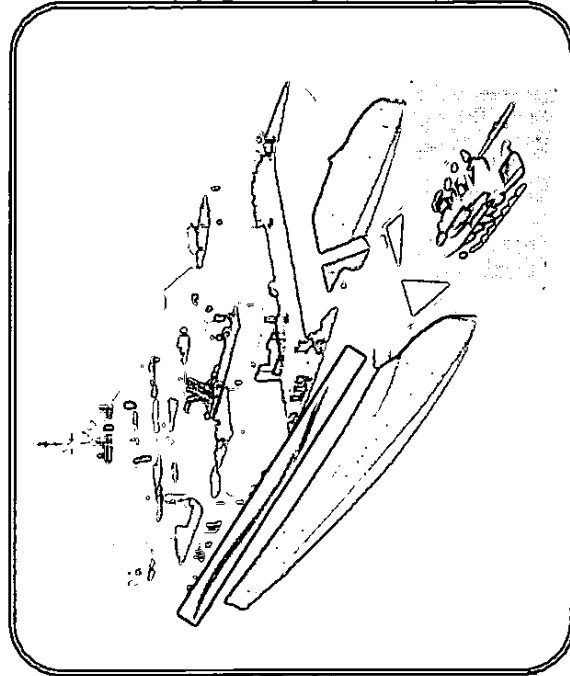
M/V Susitna

**Cargo Deck in Raised Position for High Speed, High Sea States,
Large Payloads over Long Distances**

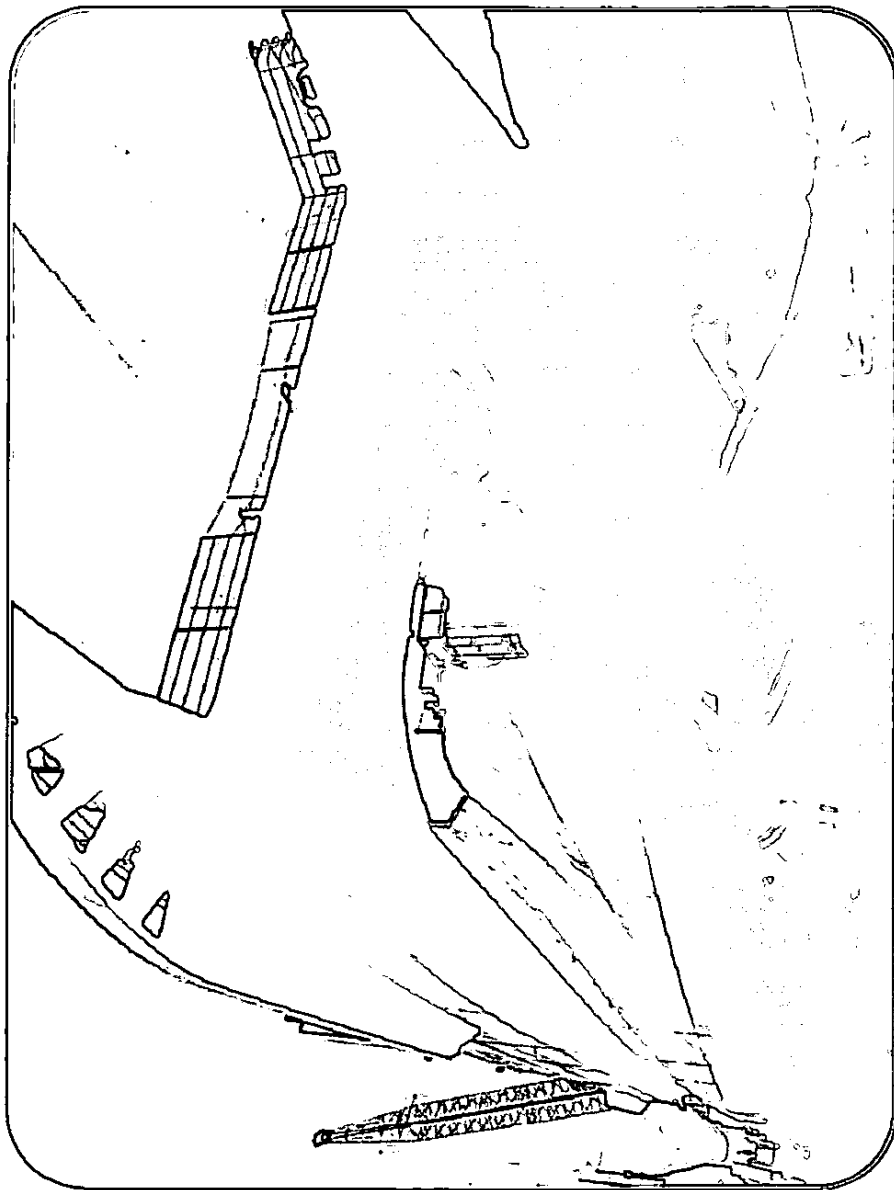
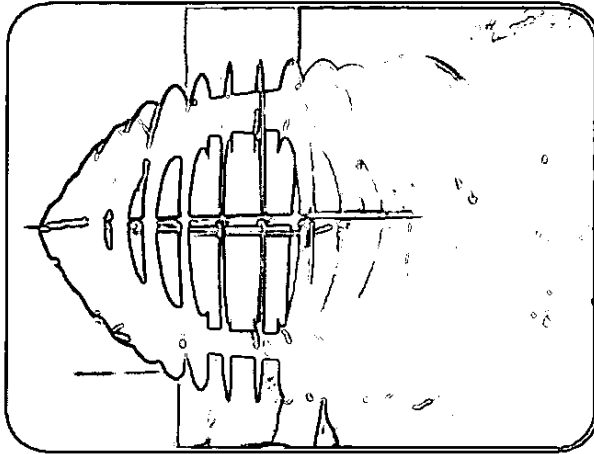


**High Speed Mode
Cargo Deck Raised**

**Landing Craft Mode
Cargo Deck Lowered**

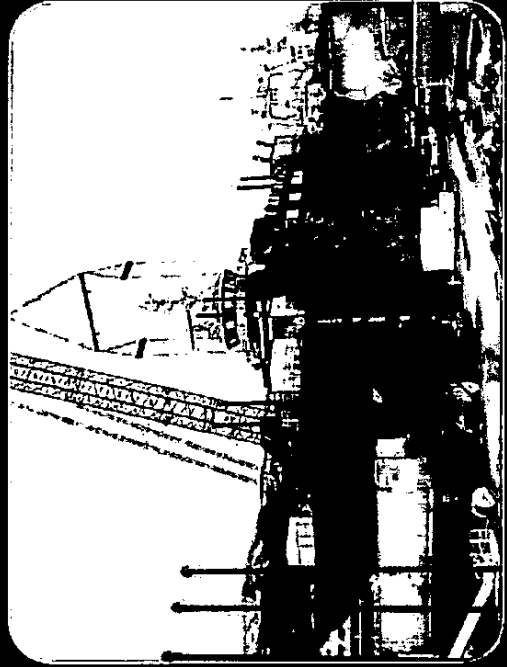
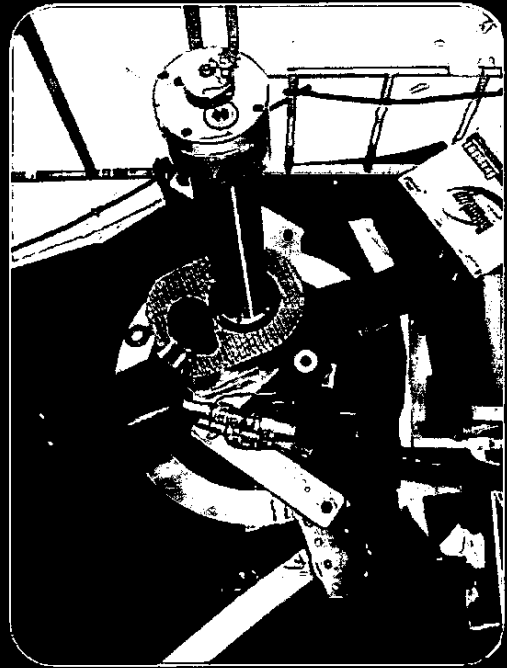
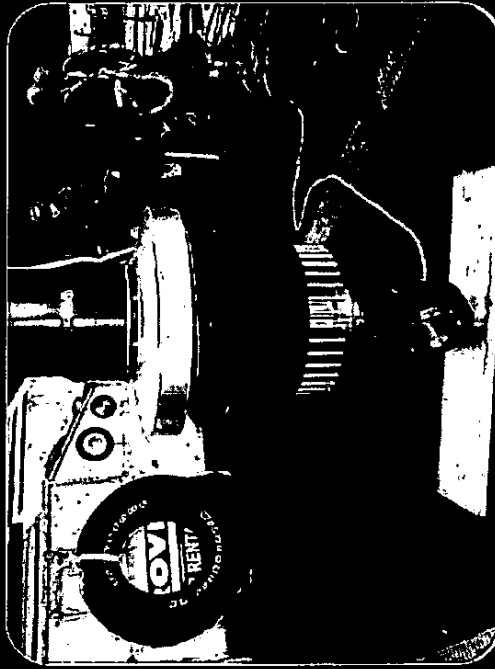
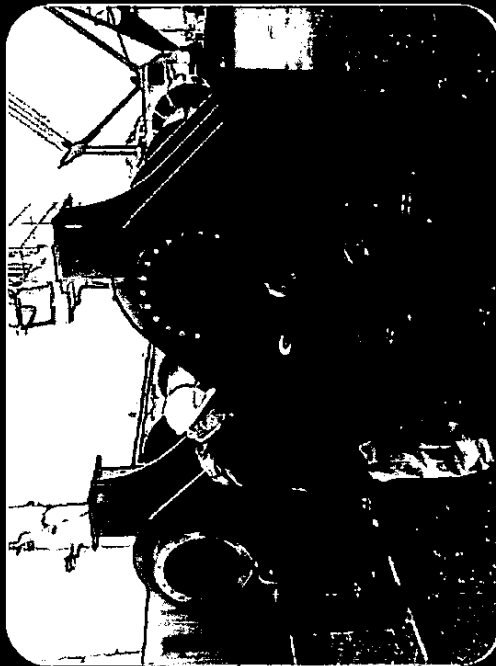


Advanced Hull Forms

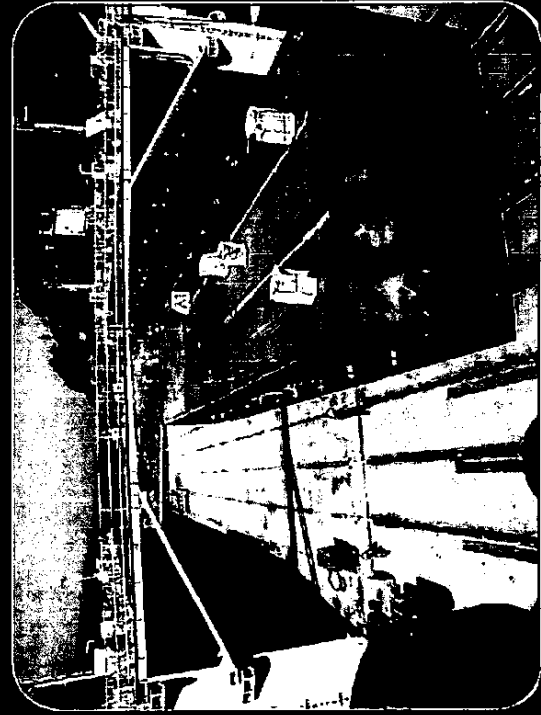
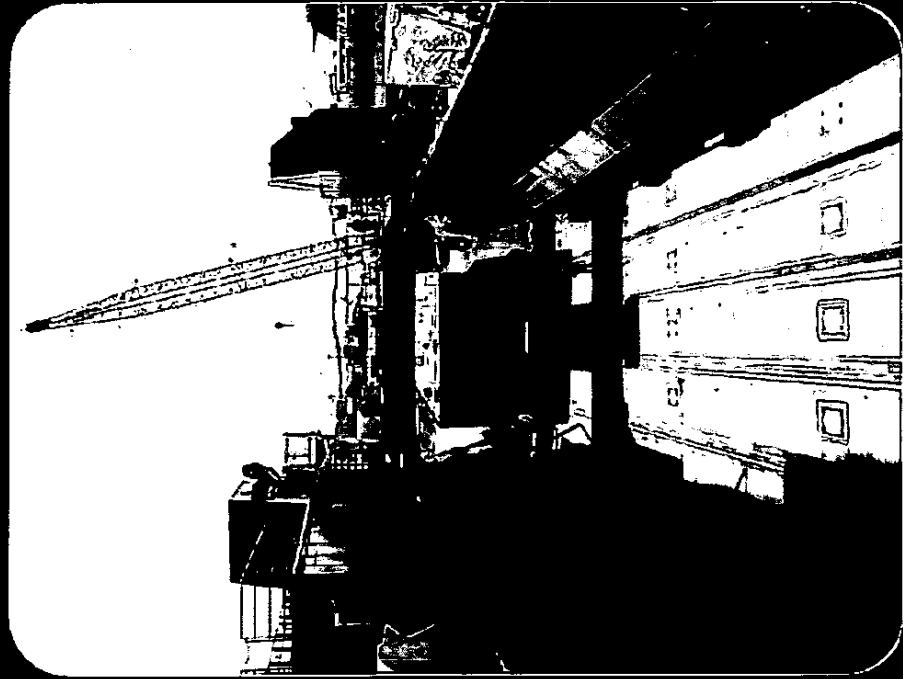




Advanced Manufacturing supporting Alaska's Energy and Resource Industries



Chevron Legacy Assembly



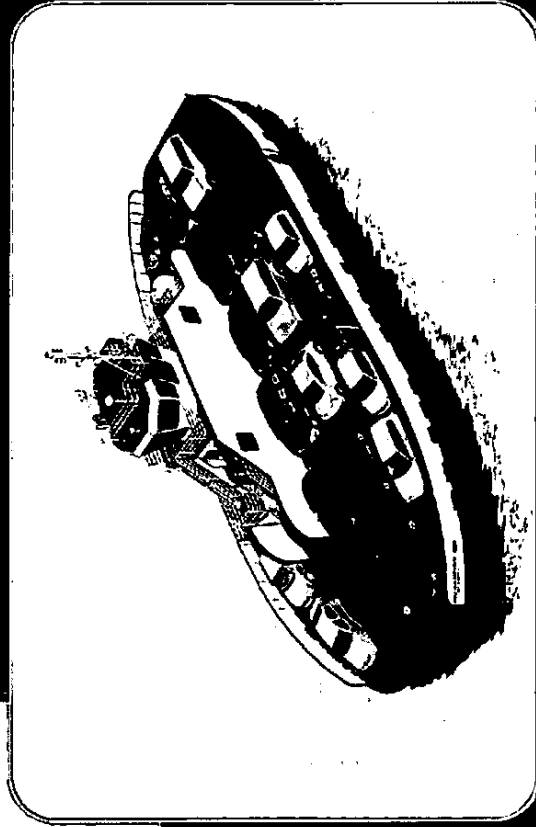
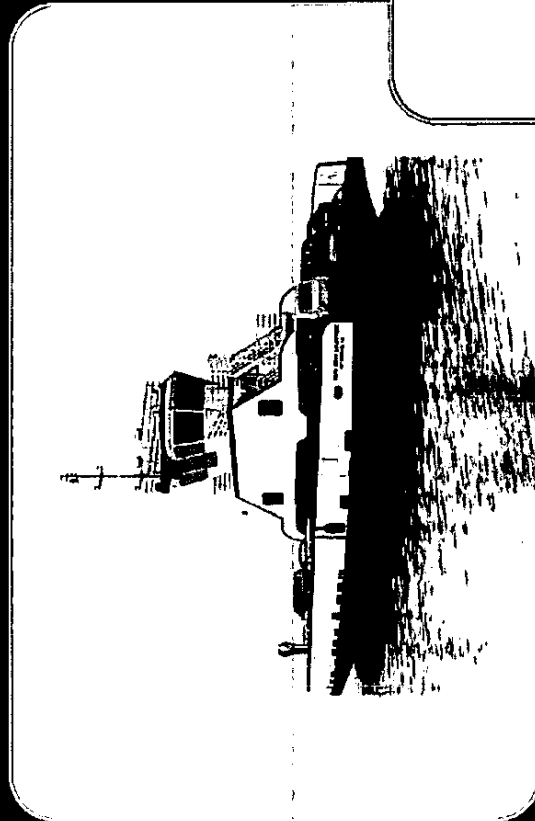


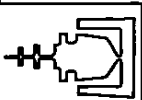
New M/V Ken Eichner II Ketchikan Borough Airport Ferry

Registered: Made in Alaska

ASD's Bid - \$1.1 million less
than next lowest bidder

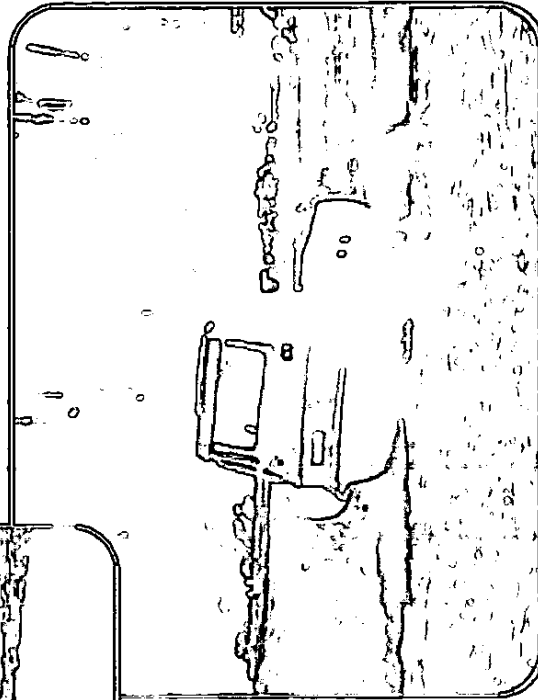
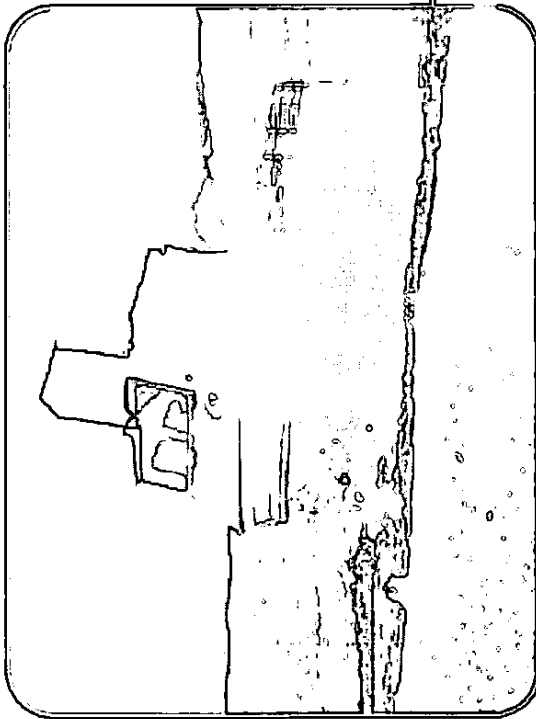
Construction starting now,
delivery spring 2011





AmphibAlaska

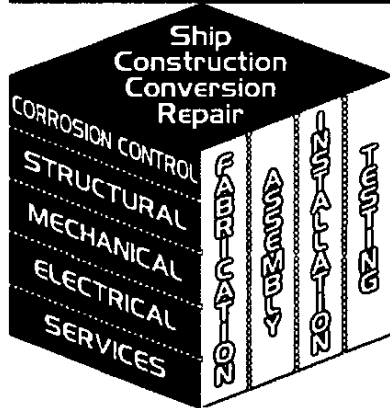
- Registered: Made in Alaska
- Alaska Innovation
- Advanced Manufacturing





National Shipbuilding Skill Standards

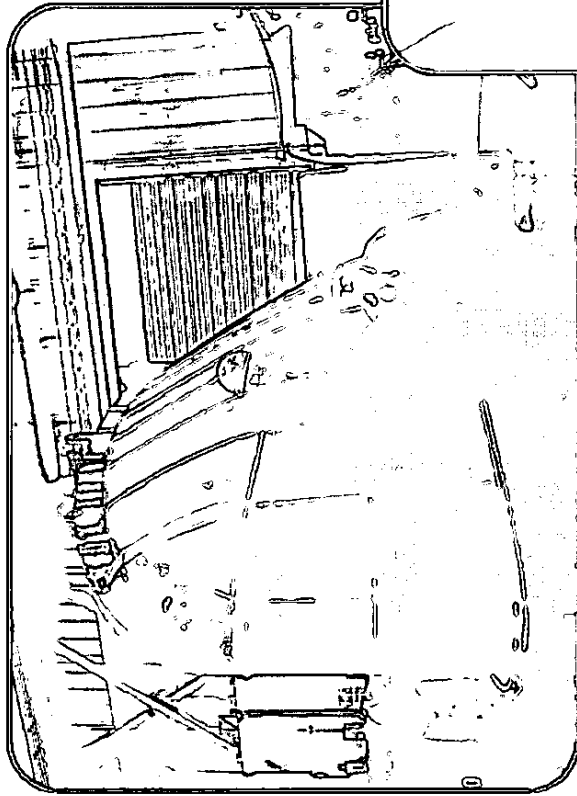
We Can Do It!



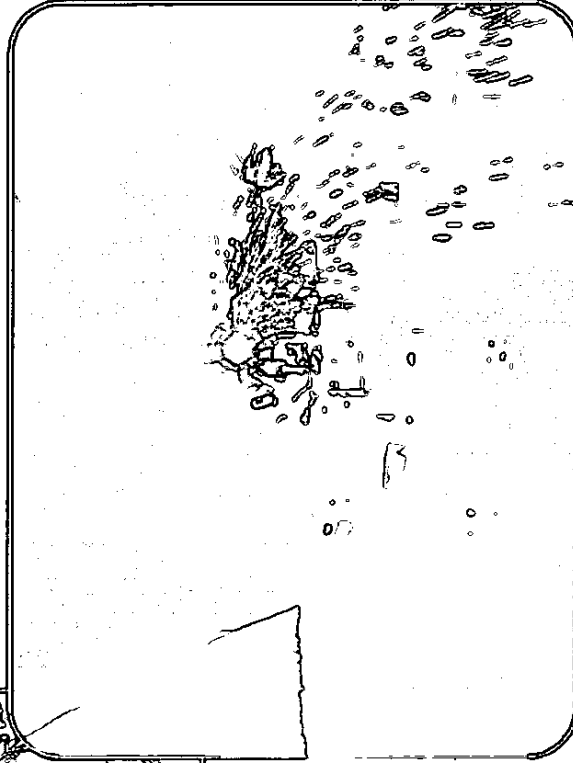
A stable, flexible, globally competitive, resident workforce supporting advanced manufacturing in Alaska

Shipyards Career Paths & Major Processes

Shipyards 601 Business-Master Craft Master Crafts Track Management Track 1 Years	Newbuild Fabrication & Assembly Processes	Newbuild Blast & Paint Processes	Newbuild Installation Processes	Newbuild Systems Integration & Testing Processes	ASD ALASKA SHIP AND DRYDOCK	
Shipyards 501 Craft-Leadership Leadman Track Supervisor Track ~ 3 Years	Repair Ripout & Rebuild Processes	Repair Clean Blast Paint Processes	Repair Shop & On-board Processes	Repair Reinstall & Test Processes	Newbuild Repair Sea Trials Delivery	
Shipyards 401 Craft-Trade Team Lead Journeyman ~ 2 Years	STRUCTURAL Cutting Forming Welding Fitting Fabrication Assembly	CORROSION CONTROL Protection Blasting Painting Deck Covering	SERVICES Drydock Logistics Temporary Light, Vent Cleaning Hazmat	ELECTRICAL Cables Motors Switchgear Controls Electronics	MECHANICAL Outside Inside Shops Carpentry Pipes	ADMINISTRATIVE Estimating Planning Scheduling Contracts Accounting Quality Safety Environmental
Shipyards 301 - multi-skill 201 - craft ~ 1 Year Shipyards 101 Core Entry	<p>What employees need to know about their own career path to begin progress toward journeyman status. Classroom, self-study, learning lab courses. Structured On-the-job learning mentored and coached by production workers and supervisors. SOI certified by qualified Job Instructor. Includes appropriate cross-training: tack welding, fork-lift track operation, etc.</p> <p>Basic function of the shipyard; safety-health-environmental orientation; how the company makes money; basic customer orientation; Employee Handbook review; basic elements of quality; use of hand tools.</p> <p>Work ethic - punctuality; cooperation & respect; listening-reading-speaking-interacting communications; math; safety-health-environmental concepts;</p>					



**Alaska Ship & Drydock
is an equal opportunity
employer and
encourages women and
minorities to apply**



**Applying Training Within Industry Applying to
construction of the M/V Susitna
Complex Fabrication & Assembly**



Ketchikan & Southeast Alaska

Advanced manufacturing in Alaska

Access to deepwater, international shipping ports; domestic & foreign

