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MAJOR MACHINERY AND EQUIPMENT (SEE GENERAL NOTE 2)

ITEM NO.	DESCRIPTION	REFERENCE DWG
151	TRACTION WINCH DRIVE NO. 1, 100 HP	REF 1
152	TRACTION WINCH DRIVE NO. 2, 100 HP	REF 1
153	STORAGE WINCH DRIVES, 30 HP (BOTH DRIVES IN SINGLE ENCLOSURE)	REF 1
154	CTD WINCH DYNAMIC BREAKING RESISTOR (DBR) NO. 1	REF 1
155	CTD WINCH DYNAMIC BREAKING RESISTOR (DBR) NO. 2	REF 1
156	HYDRO WINCH DYNAMIC BREAKING RESISTOR (DBR) NO. 1	REF 1
157	HYDRO WINCH DYNAMIC BREAKING RESISTOR (DBR) NO. 2	REF 1
160	STORAGE WINCH DYNAMIC BREAKING RESISTORS (DBR) NO. 3 (STACKED VERTICALLY IN COMMON ENCLOSURE)	REF 1
161	CONTROL UNIT FOR ANTI-ROLL TANK	THIS DRAWING
162	STABILIZER VALVES FOR ANTI-ROLL TANK	THIS DRAWING
163	CONTROL AIR COMPRESSOR FOR ANTI-ROLL TANK	THIS DRAWING
164	CONTROL AIR RECEIVER FOR ANTI-ROLL TANK	THIS DRAWING
165	VALVE BLOCK CABINET	THIS DRAWING

ITEMS 161-165 ARE NEW

GENERAL NOTES

- THIS DRAWING SHOWS SYSTEM CHANGES NECESSARY TO SUPPORT THE 12-FOOT LENGTHENING OF THIS VESSEL. THIS DRAWING IS A SUPPLEMENT TO REFERENCE 1. SEE REFERENCE 1 FOR MATERIAL SCHEDULE, COMPLETE EQUIPMENT LIST, GENERAL NOTES, AND DRAWING REFERENCES.
- THE EQUIPMENT LIST IN THIS DRAWING IS ONLY FOR NEW OR RELOCATED EQUIPMENT TO SUPPORT THE 12-FOOT LENGTHENING OPTION.

REFERENCES

- GLOSTEN DWG. NO. 07096-200-01, REV A, MACHINERY ARRANGEMENT
- ALASKA REGION RESEARCH VESSEL (ARRV) CHANGES TO THE CONTRACT SPECIFICATIONS FOR OPTIONAL LENGTHENING

ALL CHANGES FROM THE UNLENGTHENED VERSION (REF 1) ARE SHOWN IN BOLD LINE WEIGHT

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED



UNIVERSITY OF ALASKA FAIRBANKS
FAIRBANKS, ALASKA

ALASKA REGION RESEARCH VESSEL
CHANGES TO SUPPORT LENGTHENING OPTION
MACHINERY ARRANGEMENT - MACHINERY & EQUIPMENT LISTS

THE GLOSTEN ASSOCIATES
Consulting Engineers Serving the Marine Community
1201 Western Avenue, Suite 200
Seattle, Washington 98101-2921
TEL: 206.824.7990
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Drawn by	Date	Checked by	Date	Approved by	Date
CWK/JEK	8/12/09	SAC	8/12/09	DHK	8/12/09
Scale	Drawing Number		Rev		
AS NOTED	07096-200-01A		Sheet 1 of 3		

HALF SIZE PRINT

8

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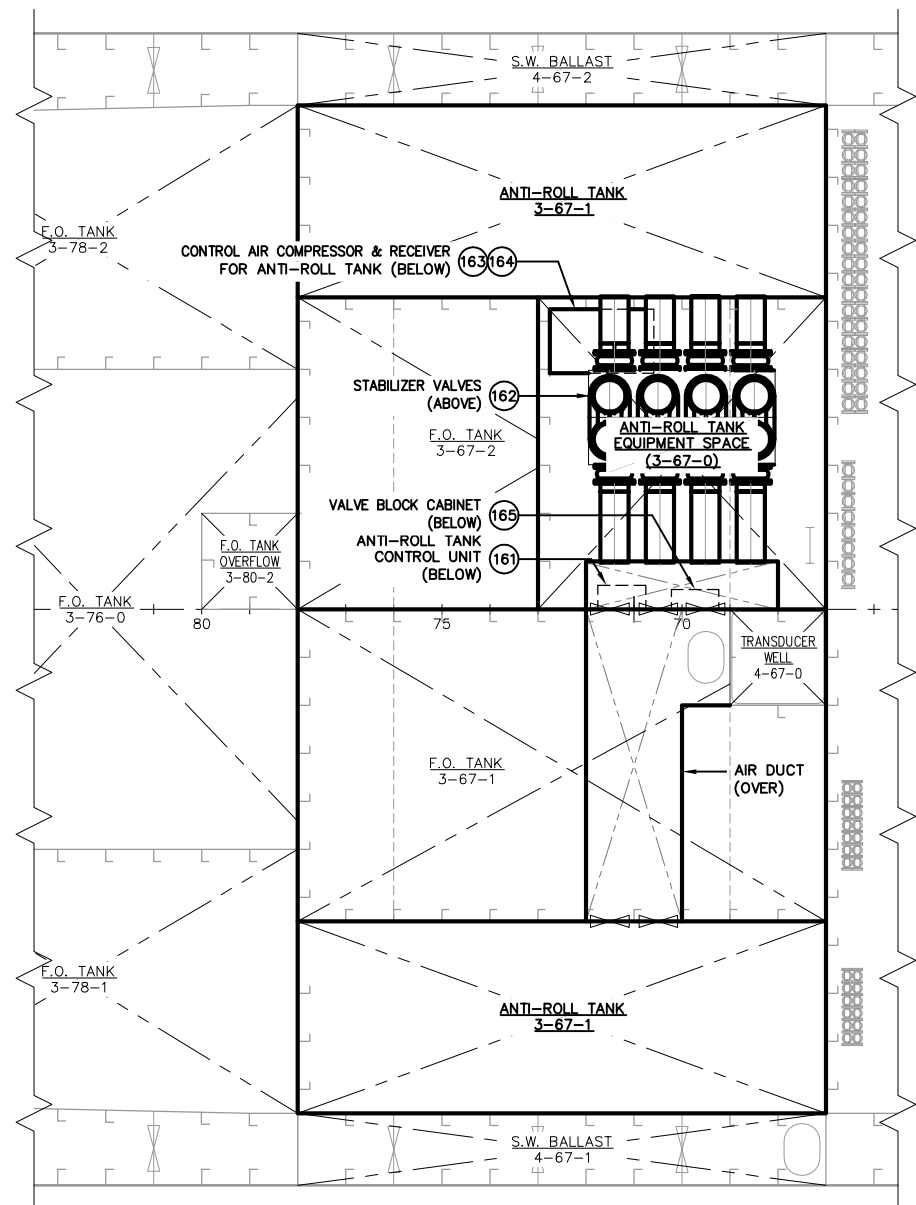
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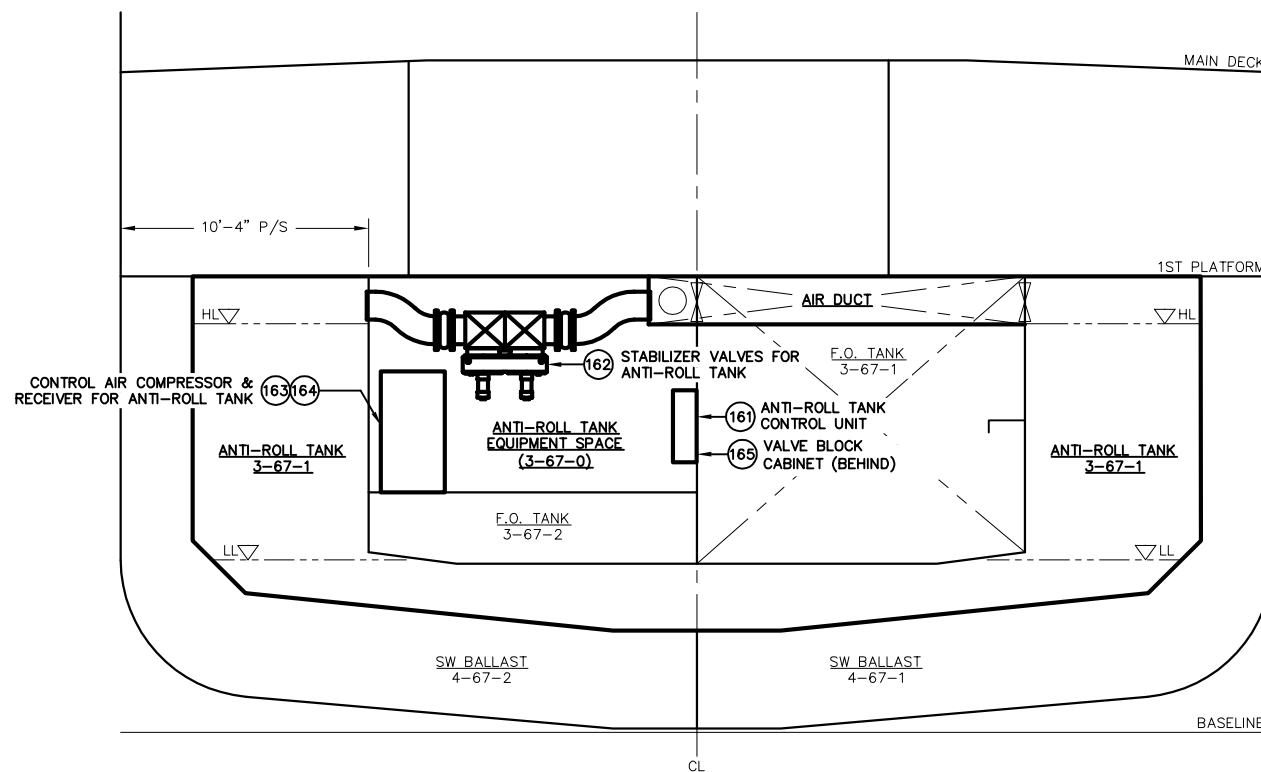
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PLAN 15-A
ANTI-ROLL TANK EQUIPMENT SPACE
1/4"=1'-0"



SECTION 11-B
ANTI-ROLL TANK EQUIPMENT SPACE
(LOOKING FWD AT FRAME 72)
1/4"=1'-0"

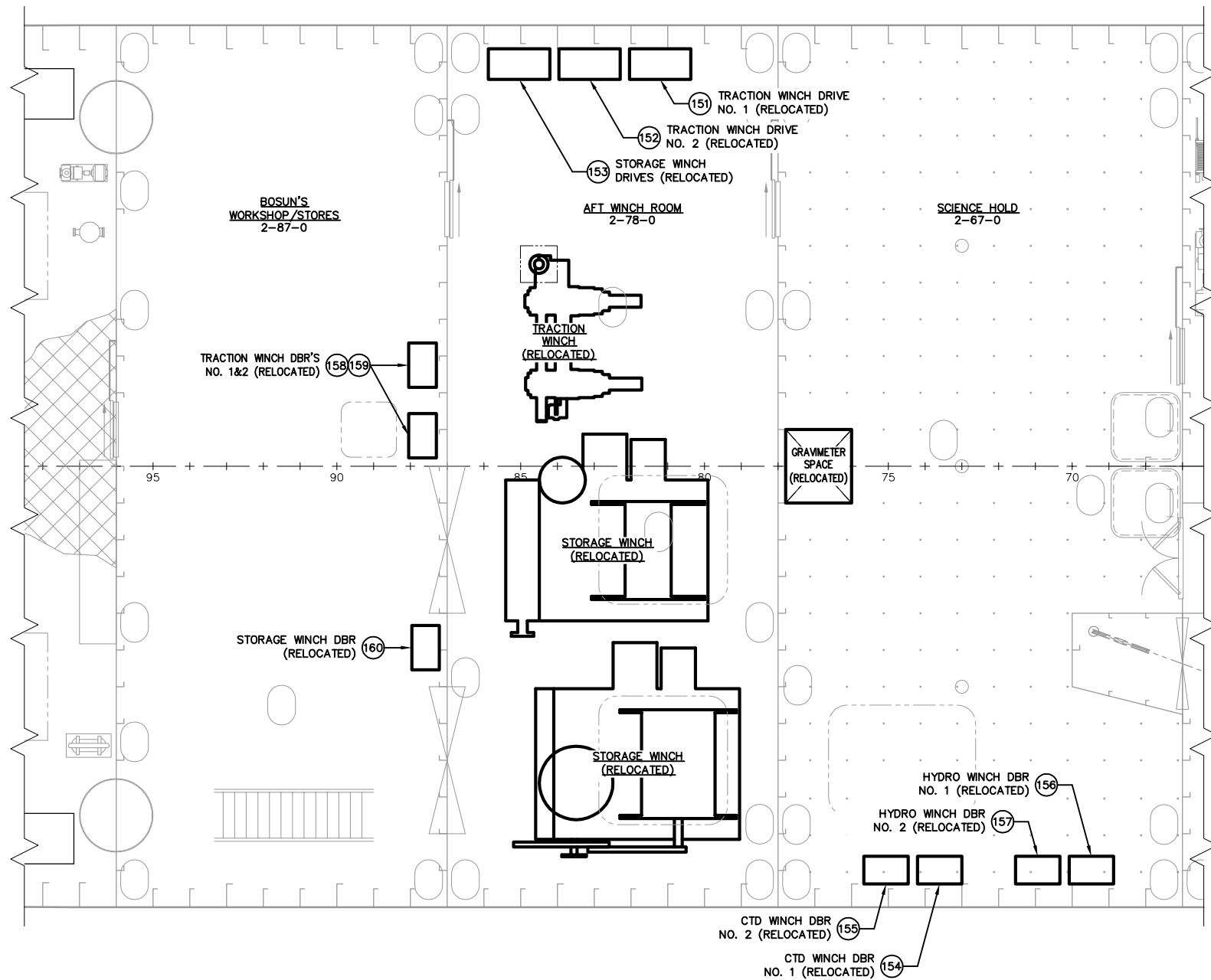
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	ALASKA REGION RESEARCH VESSEL CHANGES TO SUPPORT LENGTHENING OPTION MACHINERY ARRANGEMENT - ANTI-ROLL TANK EQUIPMENT SPACE				
		<small>1201 Western Avenue, Suite 200 Seattle, Washington 98101-2921 TEL: 206.824.7990 FAX: 206.822.9117 WEB: www.glosten.com</small>			
Drawn by	Date	Checked by	Date	Approved by	Date
CWK/JEK	8/12/09	SAC	8/12/09	DHK	8/12/09
Scale	Drawing Number		Rev		
AS NOTED	07096-200-01A Sheet 2 of 3				

D

C

B

A



PLAN 21-B
1ST PLATFORM
1/4"=1'-0"

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	ALASKA REGION RESEARCH VESSEL CHANGES TO SUPPORT LENGTHENING OPTION MACHINERY ARRANGEMENT - 1ST PLATFORM			
		THE GLOSTEN ASSOCIATES <i>Consulting Engineers Serving the Marine Community</i>		1201 Western Avenue, Suite 200 Seattle, Washington 98101-2921 TEL: 206.824.7990 FAX: 206.822.9117 WEB: www.glosten.com
HALF SIZE PRINT	Drawn by CWK/JEK Scale AS NOTED	Date 8/12/09 SAC 8/12/09 DHK 8/12/09	Checked by SAC 8/12/09 DHK 8/12/09	Approved by DHK 8/12/09
		Drawing Number 07096-200-01A Sheet 3 of 3		