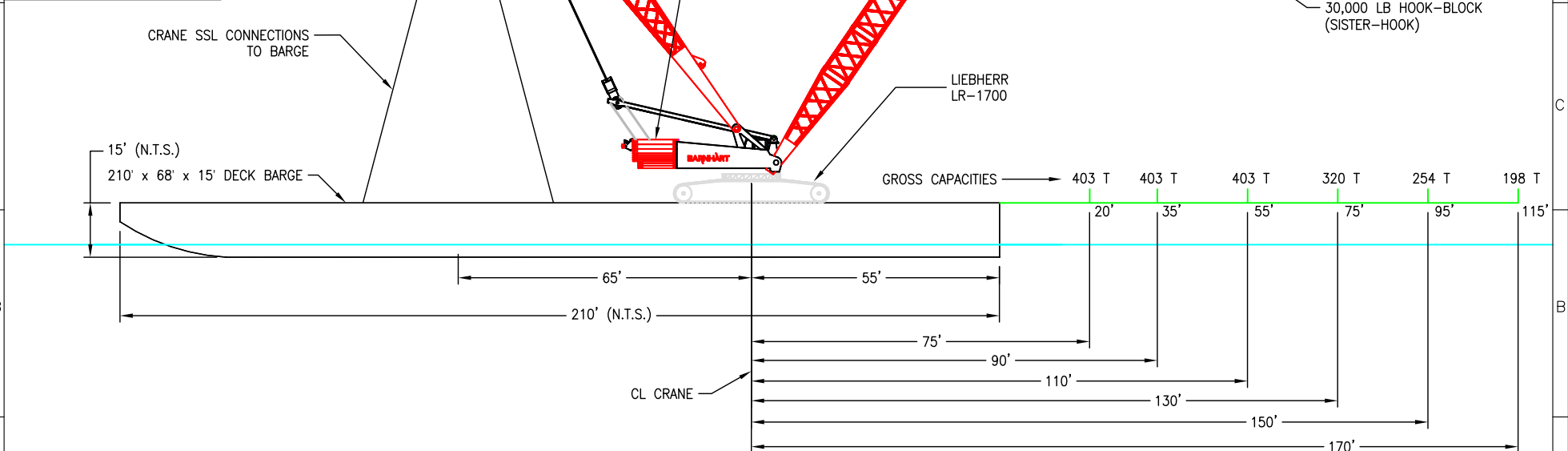


Lift Radius (ft)	Lift Capacity (tons)
40	403
45	403
50	403
55	403
60	403
65	403
70	403
75	403
80	403
85	403
90	403
100	403
110	403
120	359
130	320
140	285
150	254
160	225
170	198
180	168

NOTE: CAPACITIES AT RADIUSSES >110' ARE BASED ON 18 PARTS OF LINE IN BOOM HOIST REEVING

360° BARGE SERVICE RATING	LIFT LIMITATIONS:
1. BARGE LIST MUST BE WITHIN 2"	1. DO NOT OPERATE IN WINDS OVER 25 MPH
2. BARGE TRIM MUST BE WITHIN 4'	2. PROTECTED WATER OPERATIONS ONLY
3. SSL MAST RADIUS SET AT 65'	3. WAVE HEIGHTS UP TO 2'
4. MAXIMUM OPERATING RADIUS 100'	4. NO DISCERNABLE MOVEMENT OF BARGE DUE TO WAVES/SWELLS
5. MINIMUM OPERATING RADIUS 40'	5. BARGE LIST MUST BE WITHIN 2"
6. MAXIMUM LOAD 30 TONS (BLOCK+LOAD)	6. BARGE TRIM MUST BE WITHIN 4'
7. MINIMUM LOAD 15 TONS (BLOCK)	



GENERAL NOTES
 1. SEE DWG 215635-G1.0 FOR CRANE CONFIGURATION DETAILS.
 2. SEE DWG 215635-G4.0 FOR BALLAST CONDITIONS. LOAD CHART IS NOT VALID IF NOT BALLASTED PER DWG 215635-G4.0
 3. HOOK ELEVATIONS ARE RELATIVE TO BARGE DECK ASSUMING ZERO TRIM CONDITION.

REV #	REVISIONS	DATE	REV. BY	CHK BY:
00	INITIAL ISSUE	03/05/10	CGT	KDR
01	UPDATED CHART VALUES	05/12/10	CGT	JLY
02	ADDED LIMITS AND BARGE SERVICE RATING	06/04/10	CGT	JLY
03	EDITED NOTES AND LIMITATIONS	06/14/10	CGT	JLY
04	CAPACITIES UPDATED/ PARTS OF LINE REQ.	08/30/10	SPB	JLY

BARNHART ENGINEERING
 LR-1700 BARGE OPERATIONS

BARNHART Minds Over Matter

SCALE	DATE	DRAFTED BY:	REV NUMBER
NTS	8/17/09	CGT	04

APPROVED BY: KDR
 DWG NUMBER 209327-C2.0

LR1700 FIXED SWING BARGE LOAD CHART