

<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS</b> OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30		1. REQUISITION NUMBER MA-PR615.5-20110050	PAGE OF 1   4
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2. CONTRACT NO. DTMA-92-C-2011-0007	3. AWARD/ EFFECTIVE DATE	4. ORDER NUMBER	5. SOLICITATION NUMBER DTMA-92-Q-2011-0066	6. SOLICITATION ISSUE DATE 08/08/2011
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7. <b>FOR SOLICITATION INFORMATION CALL:</b>	a. NAME Monique Leake	b. TELEPHONE NUMBER (No collect calls) 7573225820	8. OFFER DUE DATE/LOCAL TIME ET
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9. ISSUED BY U.S.DOT/ Maritime Administration Atlantic Div. Acquisition Office MAR-380-2 7737 Hampton Blvd Building 19 Suite 300 NORFOLK VA 23505-1204	CODE 00092	10. THIS ACQUISITION IS <input type="checkbox"/> UNRESTRICTED <input checked="" type="checkbox"/> SET ASIDE % FOR <input checked="" type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> 8(A) NAICS: 336611 SIZE STANDARD: 1,000	11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE	12. DISCOUNT TERMS
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15. DELIVER TO JRRF, Fleet Operations Group James River Reserve Fleet END of HARRISON ROAD BUILDING 2606 FT EUSTIS VA 23604	CODE MAR-615.5	16. ADMINISTERED BY U. S. DOT Maritime Administration Atlantic Div. Acquisition Office MAR-380.2 7737 Hampton Blvd Building 19 Suite 300 Norfolk VA 23505-1204	CODE 00092
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17a. CONTRACTOR/ OFFEROR COLONNA'S SHIP YARD, INCORPORATED 400 E. INDIAN RIVER ROAD NORFOLK VA 23523-1756	CODE 003174273	FACILITY CODE	18a. PAYMENT WILL BE MADE BY MARAD A/P INVOICES P.O.BOX 25710 OKLAHOMA CITY OK 73125	CODE AMZ-160 (US. MAI)
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17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a. UNLESS BLOCK BELOW IS CHECKED.  SEE ADDENDUM

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
0001	The purpose of this contract is for the provision of drydocking and repair services of the FB-211 crane barge from the James River Reserve Fleet in accordance with the attached Statement of Work. Accounting Info: 70XR161710.2011.97176FCM00.1161000000.25421.61006600 / 7011617176FCM0 Period of Performance: 11/01/2011 to 01/13/2012 GENERAL SERVICES Continued ... (Use Reverse and/or Attach Additional Sheets as Necessary)				37,392.00

25. ACCOUNTING AND APPROPRIATION DATA See schedule	26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$300,989.00
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27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA A  ARE  ARE NOT ATTACHED.

27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA  ARE  ARE NOT ATTACHED.

28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN

COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.

29. AWARD OF CONTRACT REF. DTMA92Q20110066 OFFER DATED 09/19/2011 - YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: CLIN 0001-0012

30a. SIGNATURE OF OFFEROR/CONTRACTOR 	31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) 
30b. NAME AND TITLE OF SIGNER (Type or Print) WAYNE R HARTWIG	31b. NAME OF CONTRACTING OFFICER (Type or print) Monique Leake
30c. DATE SIGNED 9/22/2011	31c. DATE SIGNED 09/22/2011

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	Obligated Amount: \$37,392.00				
0002	DRYDOCK Obligated Amount: \$37,344.00				37,344.00
0003	GAS FREE CERTIFICATE Obligated Amount: \$11,424.00				11,424.00
0004	CATHODIC PROTECTION (ANODES) Obligated Amount: \$8,672.00				8,672.00
0005	HULL UT SURVEY Obligated Amount: \$1,408.00				1,408.00
0006	HULL CLEANING AND PAINTING Obligated Amount: \$78,544.00				78,544.00
0007	CROP AND RENEW EXISTING WATERTIGHT HATCHES Obligated Amount: \$39,712.00				39,712.00
0008AC	CLIN DELETED Obligated Amount: \$0.00 Continued ...				0.00

32a. QUANTITY IN COLUMN 21 HAS BEEN

ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS

RECEIVED     INSPECTED     NOTED:

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
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32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE
	32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE

33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
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38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
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41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT		42a. RECEIVED BY (Print)	
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		41c. DATE	
		42b. RECEIVED AT (Location)	
		42c. DATE REC'D (YY/MM/DD)	42d. TOTAL CONTAINERS

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED

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PAGE

OF

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4

NAME OF OFFEROR OR CONTRACTOR

COLONNA'S SHIP YARD, INCORPORATED

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0008AB	CLIN DELETED Obligated Amount: \$0.00				0.00
0008AA	CLIN DELETED Obligated Amount: \$0.00				0.00
0008	CLIN DELETED Obligated Amount: \$0.00  Delivery: 3 Days After Notice to Proceed				0.00
0008AD	CLIN DELETED Obligated Amount: \$0.00				0.00
0008AE	CLIN DELETED Obligated Amount: \$0.00				0.00
0009	FUEL TANK Obligated Amount: \$0.00				0.00
0009AA	CLEAN Obligated Amount: \$7,976.00				7,976.00
0009AB	CONTAINMENT Obligated Amount: \$14,304.00				14,304.00
0009AC	PIPING Obligated Amount: \$10,288.00				10,288.00
0010	SUPPLEMENTAL STEEL RENEWALS Obligated Amount: \$0.00				0.00
0010AC	FLAT STEEL  (per pound to renew upto 500-lbs) Obligated Amount: \$6,125.00 Continued ...	500	LB	12.25	6,125.00

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
DTMA-92-C-2011-0007

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NAME OF OFFEROR OR CONTRACTOR  
COLONNA'S SHIP YARD, INCORPORATED

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0010AA	SINGLE SHAPES  (per pound to renew upto 500-lbs) Obligated Amount: \$9,375.00	500	LB	18.75	9,375.00
0010AB	FRAMES AND INTERNALS  (per pound to renew upto 500-lbs) Obligated Amount: \$7,625.00	500	LB	15.25	7,625.00
0011	PROVIDE SUPPLEMENTAL LABOR IF AUTHORIZED BY THE COTR IAW THE MCL.H-2 AND MCL.H-10. Obligated Amount: \$28,800.00	600	HR	48.00	28,800.00
0012	PROVIDE SUPPLEMENTAL MATERIAL IF AUTHORIZED BY THE COTR IAW MCL.H-2. Obligated Amount: \$2,000.00  In order for an invoice to be processed for payment, it must include your Federal ID Number, Purchase Order Number, and Invoice Number. Without these numbers, your invoice will be returned and payment will be delayed.  The total amount of award: \$300,989.00. The obligation for this award is shown in box 26.				2,000.00

**STEEL HULL**

LENGTH OVERALL	160'
BREADTH OVERALL	54'
DEPTH OF HULL	9'
DRAFT MEAN	2'
LIGHT SHIP WEIGHT	365 LONG TONS
HEIGHT TO TOP OF CRANE	56'

**DRAWINGS**

FB-211 Crane Barge Configuration  
FB-211 Tank Arrangement  
FB-211 Dwg (0008AB) – Roller Button  
FB-211 Dwg (0008AC) – Shark Jaws  
FB-211 Dwg (0008AD) – Double Bitts  
FB-211 Dwg (0008AE) – Chain Guide/Fairlead

**CLIN 0001 – SERVICES**

Contractor is to provide all labor and material required to perform a dry docking of FB-211 Crane Barge according to the following Statement of Work. The craft will be delivered and tendered to the contractor at his facility within three working days of notice to proceed. MARAD will deliver the FB-211 to the contractor's facility which shall be located within 30 nautical miles of the James River Reserve Fleet. MARAD will assume custody and take re-delivery of the craft at the same contractor's facility after all work is performed and accepted. MARAD intends to have a representative on site during most production days while the craft is at the contractor's facility. MARAD will provide its own crew for operating the craft. The contractor will provide the following services to support this project:

1. Provide, deploy and retrieve all Oil Containment Boom as may be required while the craft is at the contractor's facility. Provide the services of an oil spill cleanup company (OSRO) if any discharge occurs while the craft is at the contractor's facility. Spills and pollution discharges shall be the sole responsibility of the contractor for clean-up.
2. Provide an office space near the dry dock or marine railway for use by the Owner's representative or representatives during the course of this contract with a desk and three chairs. Supply, install, connect and maintain for the duration of the shipyard period one separate telephone and FAX service line in the owner representative office. The line must have unrestricted long distance service capability. The Contractor shall provide all cables, fittings, jacks, telephones and FAX in order to install the complete system. Contractor shall include all costs involved with providing and maintaining the telephone and FAX including any service charges for the duration of the contract period. For estimating purposes, Contractor shall estimate \$50.00 per day for long distance telephone calls.

3. The Contractor shall provide all line handlers to moor the vessel upon arrival, to cast off the vessel during the final departure, and during all shifts within the Contractor's facility. The Contractor must supply all heaving lines and stoppers during the mooring operations. Note: The Vessel crew will man the craft during arrival and departure from yard. The Contractor shall supply and secure in position at all times, one (1) gangway with proper handrails and security nets to allow easy access to and from the vessel. The gangway shall be set up at a location approved by the Owner's Representative.
4. When required, the contractor shall provide the services of a crane, crane operator, and rigger to assist in the performance of all work items required by this contract. All costs incurred by the use of the crane will be the sole responsibility of the Contractor. As a minimum, the crane should have a 5 ton capacity and a sufficient reach to land a load on the main deck of the craft. The Contractor must supply all lifting gear (spreader bars, straps, etc.) and operators and riggers required to support all crane service.
5. The Contractor must provide fire protection to the vessel upon arrival at Contractor's facility. Fire Protection shall comply with the National Fire Protection Association, "Standard for Fire Protection of Vessels during Construction, Repair, and Lay-up", NFPA 312.
6. The Contractor shall furnish and ensure a trained dedicated fire watch is at the work site during the performance of any hot work operations throughout the period of performance of the contract. The fire watch shall have the sole responsibility of fire safety. The fire watch shall not perform other work while assigned to the fire watch. All fire watches must be equipped with appropriate fire extinguishers and/or other fire fighting gear. The Contractor will not be allowed to use the craft's fire extinguishers. Strict adherence to rules and regulations of Certified Gas Chemist and NFPA regulations shall be instituted during the entire repair period.
7. All new and disturbed steel or other surfaces on this vessel resulting from the performance of work items in this package shall be prepared and recoated per the coating requirements listed in this specification. Surfaces are to be prepared by sanding, grinding, blasting or mechanical scaling as may be specified. At a minimum, surface preparation for steel shall be to SSPC (Steel Structure Painting Council) specification. All coatings used must be compatible to the existing coatings. As a minimum requirement for any painting, including touch-ups of damaged or otherwise affected areas, surfaces shall be prepared free of all loose rust, dirt, oil and grease. Touch-up painting shall be done using similar coating materials and systems to that existing, and shall match the surrounding area to the maximum extent practical. Any existing system or equipment markings shall be protected or re-applied according to the above guidelines.
8. It shall be the responsibility of the Contractor to confirm with the Owner's Representative all or any sizes, shapes, types, dimensions, colors, materials, parts, technical requirements, data and/or processes required to effectively make associated repairs and/or modifications per these specifications prior to the commencement of work.

9. All material, equipment, etc., used in the performance of the specifications shall be at least equal to that of the original, be certified by an established industry-wide recognized standard for marine application. In addition, all Contractor furnished bolting shall be U.S. Thread National Course or National Fine.
10. All equipment, machinery, systems, tankage etc. opened in the performance of these specifications, including all interference's, removals etc., in way of; shall be closed-up, reinstalled, replaced etc., as original with new gaskets, packing, fasteners, etc. including caulking and washers to studs of manholes, access covers, etc. Said equipment, machinery, systems, tankage, etc. shall be tested in accordance with accepted practices to prove tightness and proper operations upon completion of work.
11. All new, disturbed and/or soiled materials, surfaces, equipment, etc., affected by the accomplishment of these specifications shall be properly cleaned, prepared, coated/recoated, re-lagged/re-insulated, etc., as applicable and original. All spaces, equipment, machinery, tanks, accommodations, affected by repairs shall be left in a clean and orderly condition and ready to serve their intended purposes. The vessel shall be re-delivered in a condition at least equal to when received by the Contractor. A mutual inspection of the entire vessel by the Owner's Representative, and the Contractor, is to be conducted before commencement and upon completion of contract. Owner's Representative shall decide all disputed matters.
12. Except when specified in writing from the Owner's Representative, the Contractor shall not use any of the vessel's spare parts, equipage, material or equipment in the performance of specifications, including mooring lines, etc. Any spare parts, equipage, material, etc. authorized for use by the Owners Representative to the contractor are to be replaced, at the Contractor's expense, prior to the completion of the contract. The Contractor shall be responsible for all deficiencies and the prompt and proper restoration of same and all deficiencies arising from the Contractor's use of the vessel equipage, machinery, etc.
13. Some of the vessel's crew will be onboard the craft periodically and shall have free access to and from shore. The vessels crew will not be feeding and sleeping aboard, but the crew shall be free to do regular maintenance and repairs to all machinery and equipment. By no means will crew work be allowed to interfere with contract work.
14. The Contractor shall provide the necessary labor, material and equipment to remove all garbage, trash, and debris from the ship on a daily basis. Dispose of the garbage, trash, and debris in accordance with local, state and federal regulations. The Contractor must clean up all work sites onboard the Craft on a daily basis. As a minimum, the clean up shall include the removal and disposal of all trash and debris. Upon completion of all work, the Contractor must ensure the cleanliness of the Craft is equal or better than the original condition found during the initial cleanliness inspection. The Owner's

Representative and Contractor's Representative shall perform a final and joint inspection of the Craft before the vessel departs the contractor's facility.

15. The Contractor shall supply sufficient compressed air during the entire period of performance of the contract. The compressed air shall be free of moisture and oil. As a minimum, the Contractor must provide sufficient engine room and main deck air manifolds, as well as all necessary hoses and fittings, to meet the required needs of the Contractor and craft crew.
16. The Contractor shall furnish all labor, material and equipment to set-up temporary lighting in all spaces and tanks where work is to be carried out. The temporary lights shall be installed to support shipyard personnel and the Craft crew. The Contractor will be responsible to provide and set up temporary lighting as directed by the Owner's Representative.
17. The Contractor shall furnish labor and material to connect and supply power in quantity sufficient to light the vessel and operate any equipment needed to accomplish the specification while vessel is berthed at the Contractor's facility. The Contractor must provide all lugs and cable necessary to make all connections.

#### **CLIN 0002 – DRYDOCK**

The Contractor shall furnish the necessary labor, material and equipment to safely dock and undock MARAD FB-211 for cleaning, painting, examination and repairs as required. Docking blocks shall be arranged per Government furnished docking plan. Fleet the vessel or shift the blocks to accomplish complete cleaning and painting as specified in item 0006. The contractor is responsible for providing their proposed drydocking plan showing blocking arrangement prior to drydocking the vessel.

#### **CLIN 0003 - GAS FREE CERTIFICATE**

Provide services of qualified Marine Chemist who shall certify the engine room and all other tanks and spaces required to be opened or gas free "safe for men/safe for hot work". The certificate is to be maintained by Ship Yard Competent Person during entire period of availability. Prior to the start of all hot work or enclosed space inspections, the Contractor must provide the services of a Certified Marine Chemist to monitor the gas free state and to issue a gas free certificate (for all spaces where hot work or inspections are to be performed). No hot work shall be permitted, until the compartment involved and surrounding areas have received a "Safe for Men - Safe for Hot Work" certificate issued by the Certified Marine Chemist. All compartments must be re-certified and all gas free certificates must be updated every 24 hours or whenever conditions change in the vicinity of the hot work. A certified shipyard competent person may be used to re-certify a space only if the re-certification falls within the 24-hour limit and conditions have not changed in the space. The Contractor must provide the services of a Marine Chemist to certify "Safe for Men" for all cofferdams, ballast tanks, void spaces, fuel tanks, water tanks, pressure vessels, etc., which must be entered during the period of

performance of the contract. The tanks that must be certified include all tanks that are required to be opened for inspection and for shipyard repairs. The Contractor must remove all access covers to the tanks as necessary in support of this item and close all accesses as original after the work and/or inspections have been completed. The tanks must be closed in good order using all new gaskets and providing new fasteners, as required. The Contractor shall vent all spaces using forced ventilation to obtain the "Safe for Men" atmosphere required to obtain the certification of the tanks by the Marine Chemist. Three (3) copies of all Gas Free Certificates must be made available. Each copy must be delivered to the proper person, or location, before entry and/or start of hot work. Distribution of the certificate copies is as follows:

One copy to Owner's Representative;

One copy for display at Gangway;

One copy to be posted at the work site.

The Contractor must develop a check-off list, which contains all tanks that are opened during the period of performance of the contract. The check-off list must include the name of the tanks, the location of the tanks, the date the tanks were opened, and the date the tanks were closed. Submit an updated copy of the check-off list to the Owner's Representative at the end of the contract on a daily basis. The Contractor shall provide labor, material, and equipment to pump and maintain all bilges dry throughout the vessel (including holds and machinery spaces) for the duration of the shipyard period. The bilges must be left in a dry condition at the end of each workday. The Contractor will be responsible to sample all bilge water suspected of containing contaminants and dispose of the water in accordance with all local, state and federal regulations. The Contractor shall provide oil boom retention as necessary during any oil or slops transfer operations.

#### **CLIN 0004 - CATHODIC PROTECTION**

Renew approximately eighty (80) twenty three pound 12" x 6" x 1¼", sacrificial anodes. Remove existing anodes and weld new anodes in place of each. Surface prep and paint any coating disturbed in during the replacement.

#### **CLIN 0005 - HULL UT SURVEY**

Take and record seventy five (75) random UT readings, as designated by MARAD COTR, of shell plates in five (5) belts at even intervals along the length of the hull. Submit a sketch showing the location and value of all readings. Accomplish hull gauging as soon as docking and washing of hull has been completed so that steel renewals can be identified if required. Shell expansion drawing and last set of readings will be furnished by COTR.

#### **CLIN 0006 - HULL CLEANING AND PAINTING**

High pressure water wash (3,500 psi) using a sweep nozzle the entire hull including the rudder from the keel up to and including the bulwarks immediately upon docking to remove surface contaminants, marine growth and loose and flaking paint to SSPC-SP-6. Allow for one hundred and twenty square feet (120 sq. ft.) of uncoated area to be blasted to SSPC-SP-10. Remove all strainer plates, blast and coat strainers and sea chests as specified for underwater hull. Reinstall

strainer plates using new properly sized stainless steel fasteners and hardware. Mask and plug all hull openings to prevent contamination of the vessels systems, mask the rubber fendering, cover and mask all deck equipment, port lights, hatches and openings to interior of craft.

CHECK POINT - Notify the MARAD COTR that all surfaces are prepared and ready for inspection prior to applying coating system. Note attached photographs from last dry docking. Contractor to supply the services of the paint manufacturer's representative, all paint and all materials to apply the following coating system:

A. Underwater Hull from keel to waterline:

-apply on spot coat and one full coat @ 4 mil DFT of PPG Amercoat 235 surface tolerant epoxy or equivalent for a total of 8 mil DFT.

- apply two (3) coats @ 4 mil DFT PPG ABC 3 anti-fouling or equivalent for a total of 12 mil DFT. Each coat will be for a different color as follows bottom coat FS 35095, middle coat FS 31302, and FS 10076

B. Freeboard from waterline to top of rail:

- apply one (1) coat @ 2.5 mil DFT, PPG Amercoat 229T, color FS 37031 or acceptable equivalent.

C. Paint all draft marks in white paint.

The contractor is responsible for determining the square footage and quantities of all paint and materials to this item describes the hydro blasting and coating the exterior of the hull, from the keel to the deck edge. During this process, an Owner-furnished technical representative will monitor and advise the Owner's Representative of all production efforts by the contractor. It shall be the responsibility of the contractor to ascertain the correct square footage prior to submitting a bid for this item. The contractor should prepare his/her estimate accordingly. The contractor shall to high pressure fresh water wash the underwater hull from the keel to the water line. The contractor shall use a minimum of 5,000 PSIG, at the nozzle, of fresh water pressure. The contractor shall also provide adequate staging or man-lifts to ensure that the operators can and do maintain a maximum distance of 6" from the hull with the water blasting nozzle or lance. The intent of this item is to remove all marine growth from the underwater hull using scrapers as necessary. All areas of oil or grease are to be thoroughly cleaned to the requirements of "SOLVENT CLEANING STANDARD SSPC-SP1". All damaged and failed coatings shall be completely removed by hydro blasting to International Paint Standard HB 1/2. All areas to be hydro blasted as part of this item shall have edges properly feathered in to ensure tight adhesion of the intact remaining paint system and the new coatings. The Contractor is to make the necessary arrangements to protect the various parts of the hull and house from hydro blasting and painting residue. Temporarily blank, mask or plug all penetrations into the craft including, but not limited to, Port lights, light fixtures, windows, doors, manholes, scuttles, hatches, vent louvers, air escapes, sounding tubes, scuppers, drains, vents and vent ducting in order to prevent intrusion of any water, dirt, removed material or paint while hydro blasting and spray painting is in progress. Cover all areas not to be coated. Maintain the envelope until completion of all such work. Contractor shall schedule production work so as to limit entry into the craft during periods of blasting, and spray painting. Repair or replacement of any such structures/equipment not protected prior to blasting will be the responsibility of the contractor. Additionally, the contractor shall be responsible for the removal of all masking at painting completion and the cleanup of any overspray.

NOTE: For blasting and coating purposes, sea chests are to be included as part of the “HULL BLASTING & COATING” item of this specification. The craft’s propeller shall be wrapped or removed and kept protected during this evolution.

#### GENERAL CONDITIONS AND SPECIFICATIONS FOR PAINTING

In addition to the guidelines that follow, all recommendations of Steel Structures Paint Council, the International Paint Manufacturer’s Representative and any and all environmental regulations shall be strictly adhered to. A conference will be held by the Owner’s Representative, the Contractor, and the International Paint Manufacturer’s Representative for the purpose of establishing criteria and agreements pertaining to surface preparation and painting application. Subjects of discussion shall include, but not limited to, the following: role of International Paint Manufacturer’s Representative, method of

measuring coating thickness, procedures for inspecting each surface prior to its being painted, and other aspects of this subject leading to maximum assurance that coating will be applied successfully and in accordance with this specification. Minutes of this meeting are to be taken by Contractor and a copy forwarded to the Owner’s Representative. The meeting minutes shall be initialed by the Contractor, the Contractor’s Painting Subcontractor(s), and the Owner’s Representative. Upon completion of the 3,500 PSIG water washing of the hull, a joint inspection of the hull shall be performed with the Owner’s Representative, The Owner’s Paint Representative, and the Contractor in attendance. The purpose of the joint inspection shall be to identify the areas of failed coatings, which will require the hydro blasting to International Paint Standard HB 2 1/2 and re-coating. The Manufacturers Paint Representative will prepare the formal coating schedule outlining the procedures, product designations, product data sheets and dry film thickness for all areas identified in these specifications.

The Contractor is responsible for determining the correct square footage for ordering the proper amount of paint and for bidding purposes. Contractor to furnish all equipment, materials, and International coatings (paint). The grades of surface preparation to be used in conjunction with these specifications conform to the standards of the:

“Steel Structures Painting Council” (SSPC) outlined as follows:

- (1) SOLVENT CLEANING STANDARD SSPC-SP-1
- (2) POWER TOOL CLEANING STANDARD SSPC-SP-3
- (3) International Paint Standard HB 2½ Hydro blasting

#### A. COATING SYSTEM APPLICATION GUIDELINES

All coatings shall be furnished by the Contractor and applied in compliance with “International Paint Representative Recommendations for Maintenance of Existing Coating Systems”. No application of coatings is to be made until the prepared surfaces are approved by the Paint Representative and Owner’s Representative. Areas found to contain runs, over-spray, roughness or any other film irregularities are to be repaired and/or re-coated as directed. Application instructions of the Paint Manufacturer and their on site representative shall be explicitly adhered to. Coatings must be thoroughly mixed prior to and during application to ensure that all high solids inorganic zincs are continuously agitated during application to ensure proper suspension of solids. Thinning shall only be done in accordance with the Paint Manufacturer’s recommendations. Final dry film thickness shall be as designated in the appropriate coating

schedule. This shall be confirmed in the presence of the Owner's Representative by ultrasonic measuring instruments following each coating application and two (2) copies of all coating Reports shall be furnished.

NOTE: Excess thinning of coating will not be permitted. The contractor shall ensure that his equipment is suitably sized to ensure proper spray patterns within the allowable thinning range. All coatings shall be applied according to the coatings manufacturer's technical representative. All technical information contained in the technical data sheet shall be strictly adhered to. Any deviations must be submitted in writing and pre approved by the owners representative. This is to include, but not be limited to:

- (a) Minimum dry film thickness (DFT) required.
- (b) Minimum and maximum surface/ambient temperatures.
- (c) Minimum and maximum relative humidity.
- (d) Spray equipment.
- (e) Clean-up solvents.
- (f) Minimum and maximum recoat times.
- (g) Mixing and thinning.

All coatings will be applied by airless spray, with the exception of hand-stripping as outlined hereafter. A copy of the manufacturer's technical and safety data sheets will be provided to the Owner's Representative prior to the application of any coating. Staging for painting is to be absolutely free from abrasive grit, dirt and rust prior to application of coatings. Steel temperature to be a minimum of five (5) degrees Fahrenheit above the dew point of the surrounding air prior to the application of barrier coats and first coat of primer. No application is to be done when condensation is present on the surface or when the humidity is greater than 80%. Prior to each application of coating, the contractor shall hand-stripe all weld seams using a finger roller with the next coating to be applied. This is to include the first or prime coat. Coatings shall be allowed sufficient time to cure prior to commencement of subsequent hydro blasting operations in order to preclude dirt, grit and dust inclusion in the coating. Any areas found to have dirt, grit or dust inclusion shall be re-blasted by the contractor as directed by the Owner's Representative or his designee. All costs associated with re-blasting will be borne by the contractor. Coating start and stop points shall be overlapped to avoid excessive build-up, especially on the side shell areas. The contractor shall supply adequate lighting and wet film thickness gauges to the painters and will supervise the use thereof to ensure maximum quality. The Owner's Representative or his designee will inspect all evolutions involved with this item. The contractor will provide as much advance notice as possible, but not less than six (6) hours. The Contractor shall develop a check point list based on the requirements of this specification, and furnish two copies to the port engineer. The Contractor shall present the check list at the initial paint conference for approval by the Owner's Representative. A sign-off system shall be developed by the contractor for each check point listed. These sign-off slips shall contain the date, time, ambient temperature, surface temperature, dew point, relative humidity, and batch number of the coating, as well as the signatures of the contractor and Owner-furnished technical representative. Completed sign-off slips shall be provided to the Owner's Representative. The basic color requirements are as follows:

- (1) FREEBOARD - BLACK
- (3) KEEL TO WATER LINE- DARK RED

**(5) NAMES, DRAFTS, ETC. - WHITE**

Each individual prime coat is to be tinted to a different shade for identification purposes. All coating to be cut in neatly to adjacent contrasting colors. Inspections: The following check points shall be established by the contractor and incorporated into the daily production schedule:

1. Vessel Protection: Prior to commencement of any abrasive blasting.
2. Surface Preparation: Prior to the application of coating, after blasting, and prior to each subsequent application of the coating system.

**NOTE:** Prior to the prime or first coat of the coatings system and prior to calling for an inspection, all areas to be coated shall be blown down with clean, dry air, including keel blocks in way of areas to be coated. The same procedure is to be followed for each subsequent application of the coating system. Drydock Clean-Up: Prior to application of the second coat of the anti-corrosive on the vessel bottom, as described above. Mixing and Thinning of Coatings: Prior to mixing and thinning of any coatings, the Contractor shall ensure compliance with the manufacturer's technical data sheet. Vessel Clean Up: After final acceptance of the coating system, the contractor shall fresh water wash down the entire vessel's topside from the mast to the main deck, from the bow to the stern. During this evolution, the contractor shall prove all deck drains clear to the Owner's Representative. Any deck drains not found to be clear will be the responsibility of the contractor to free up.

**CLIN 0007 - CROP AND RENEW EXISTING WATERTIGHT HATCHES**

Crop out fifteen (15) existing water tight hatches and replace (weld) with Baier Model # BFHR18 Steel/Steel, Flush Deck Hatch - 18" Round Hex Center Bolt or equivalent. Ensure proper fit, operation and seal of hatches. Surface prep and paint any coating disturbed in during the replacement. The approximate location can be found in the Tank Arrangement Drawing.

**CLIN 0008 - DELETED**

**CLIN 0008AA - DELETED**

**CLIN 0008AB - DELETED**

**CLIN 0008AC - DELETED**

**CLIN 0008AD - DELETED**

**CLIN 0008AE - DELETED**

**CLIN 0009 – FUEL TANK**

**CLIN 0009AA.** Remove and properly dispose of approximately 500 gallons of sludge and contaminated fuel from each tank and gas free both of them for inspection. After inspection and any repairs, replace access plates with new gaskets. Perform 5 psi compartment air test on both tanks.

**CLIN 0009AB.** Build up the fuel tank containment in its present location to contain 110% of the fuel tank capacity. The containment shall be constructed of ¼" steel plate to a height sufficient to provide the specified volume and shall be capped with 1" steel pipe

(welded) along the length of the upper edge. Install one drain with a valve on both the forward and aft end of the containment in as low as possible on the containment structure to allow for draining deck water. Repair any holes or fractures in the deck below the tank. The entire structure will be prepped and painted with primer.

**CLIN 0009AC.** The existing fuels lines from the tank to the generator will be cropped out and replaced in kind with new piping, valves and fittings of the same dimension and construction as the original.

#### **0010. SUPPLEMENTAL STEEL RENEWALS**

Renew steel in various locations as designated by the Owner's Representative. Cut and remove steel, supply, fit and install new steel as per ABS and USCG rules and regulations. Sandblasting, priming, painting and testing shall be included in the price. All new and disturbed steel shall be prepared and coated as directed in CLINs 0005 or 0006 as appropriate. Interior surfaces shall be prepared and coated with 2 coats of surface tolerant epoxy. Repaired areas shall be tested with a vacuum box where practical or otherwise hose tested. Prepare disturbed areas after installation and testing and prime. Apply remainder of coating system. Submit unit price per pound for steel renewal as indicated below:

**CLIN 0010AA - FLAT STEEL** - Price per pound to renew 0-500 LBS flat steel plate.

**CLIN 0010AB - SINGLE SHAPES** - Price per pound to renew 0-500 LBS single shaped steel.

**CLIN 0010AC - FRAMES AND INTERNALS** - Price per pound to renew 0 - 500 LBS. of frames and internals.

#### **CLIN 0011 - SUPPLEMENTAL LABOR**

The Government may have supplemental requirements due to emergent or additional work. Provide a quote for six hundred supplemental labor hours. The government reserves the right to order any quantity as required at this price for the duration of the contract. The supplemental labor rate shall be a yard wide, composite straight time/overtime labor rate and includes the fully burdened composite labor rate applicable to all skilled, unskilled, management, supervision, overhead, G&A, profit, contractor and subcontractor, quality assurance, delay and disruption, bonding, insurance etc. The yard wide composite rate shall be binding during the entire period of this contract for all supplemental work.

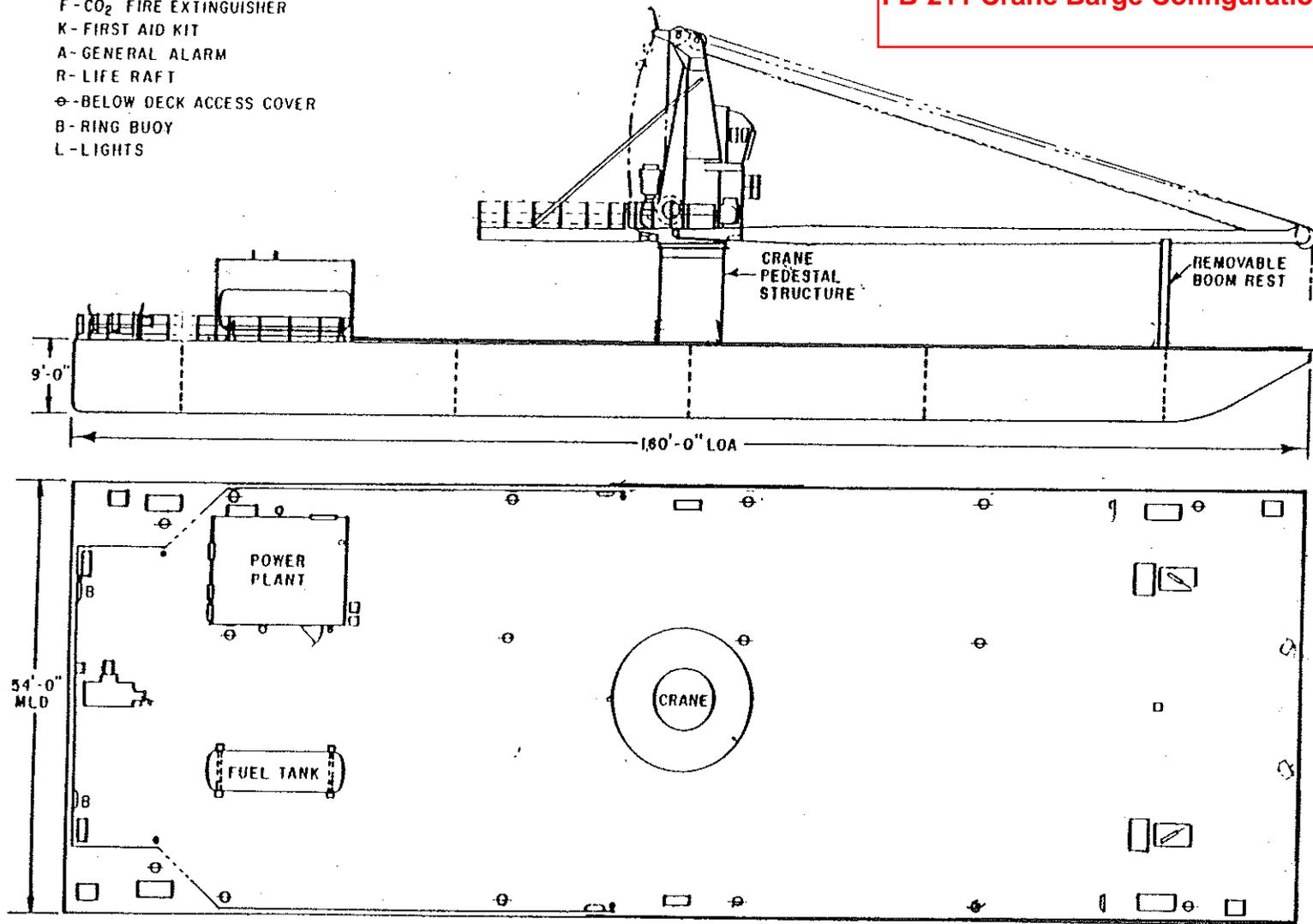
#### **CLIN 0012 - SUPPLEMENTAL MATERIAL**

The allowance for supplemental material is for direct costs only. Any allowance for handling, equipment, profit and overhead is to be included in the associated supplemental labor rate. Supplemental material will be payable to the contractor only to the extent authorized as part of supplemental growth work.

**FB-211 Crane Barge Configuration Drawing**

- F - CO<sub>2</sub> FIRE EXTINGUISHER
- K - FIRST AID KIT
- A - GENERAL ALARM
- R - LIFE RAFT
- ⊕ - BELOW DECK ACCESS COVER
- B - RING BUOY
- L - LIGHTS

9-7



**FB-211 Crane Barge Configuration Drawing**

- F - CO<sub>2</sub> FIRE EXTINGUISHER
- K - FIRST AID KIT
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- B - RING BUOY
- L - LIGHTS

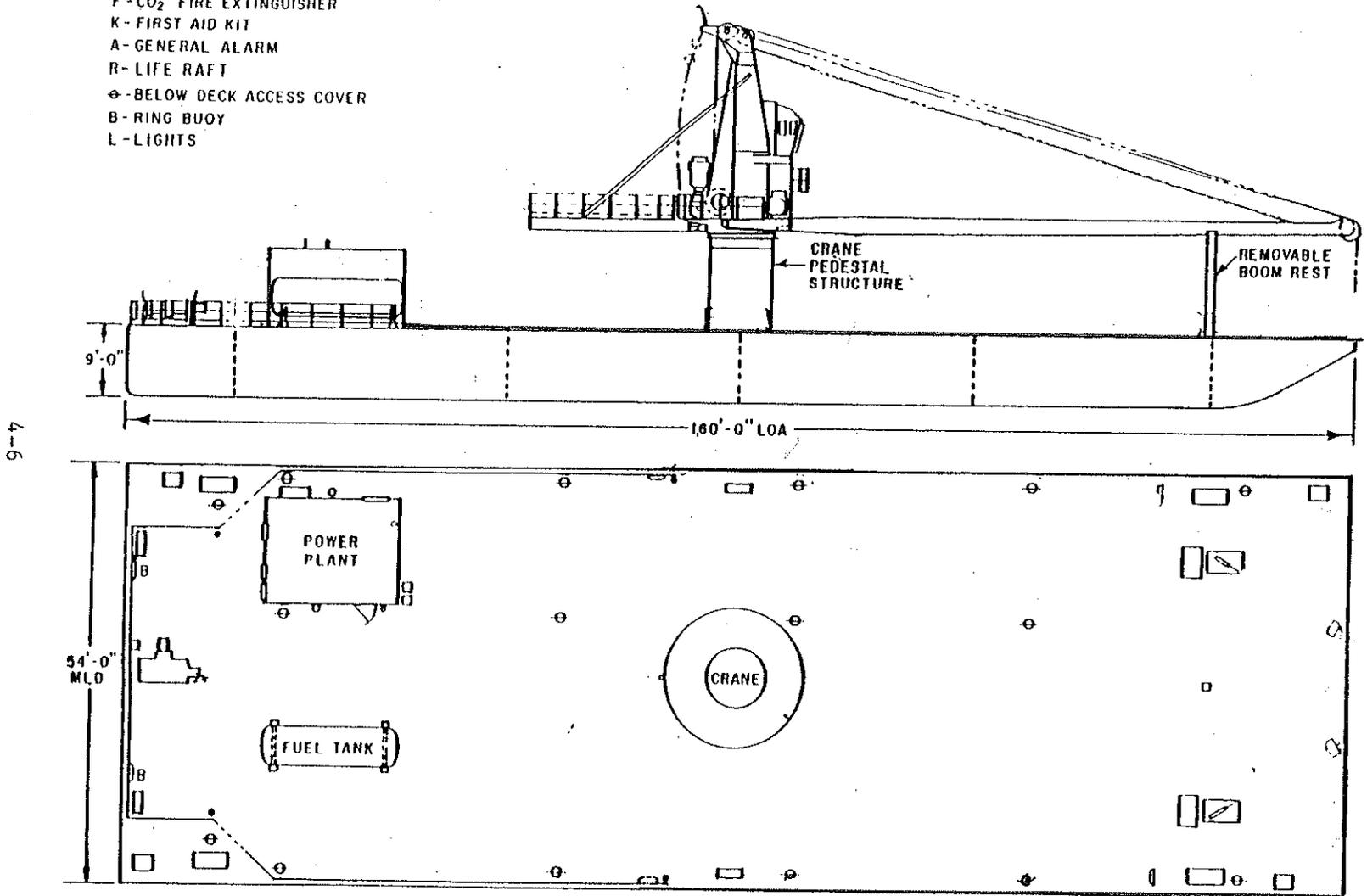


FIGURE 4-2. TAC TEST BED CRANE/BARGE CONFIGURATION

ATTACHMENT 5

- F-CO<sub>2</sub> FIRE EXTINGUISHER
- K-FIRST AID KIT
- A-GENERAL ALARM
- R-LIFE RAFT
- ⊕-BELOW DECK ACCESS COVER
- B-RING BUOY
- L-LIGHTS

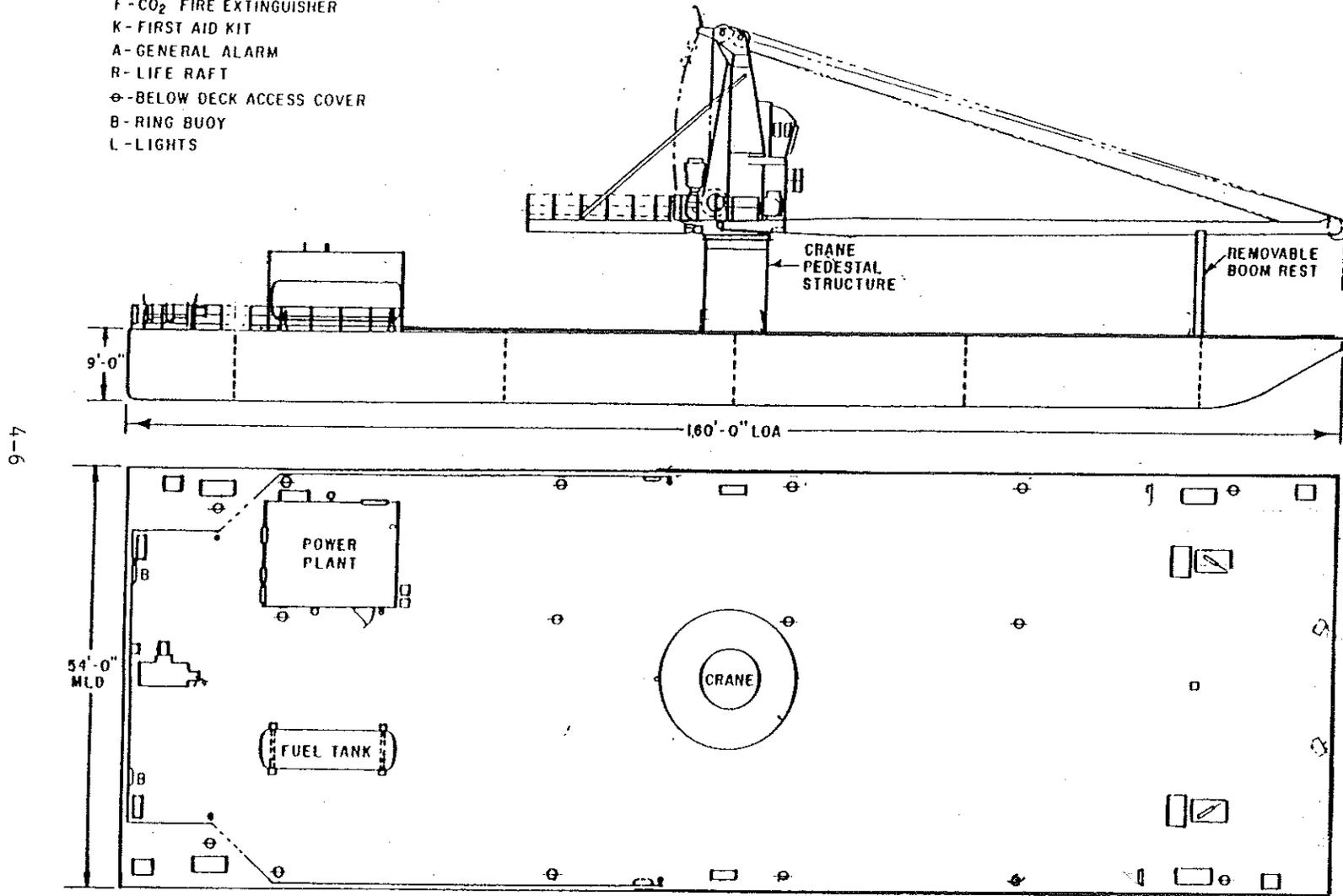


FIGURE 4-2. TAC TEST BED CRANE/BARGE CONFIGURATION

ATTACHMENT 5

DTMA-92-C-2011-0007  
FB-211 Crane Barge Drydocking and Repairs  
Applicable Provisions and Clauses

The following FAR and Transportation Acquisition Manual (TAM) provisions and clauses apply to this contract (DTMA-92-C-2011-0007) and are incorporated by reference.

52.252-2 Clauses Incorporated by Reference

This contract incorporates one or more clauses by reference with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at the following Internet addresses:

Federal Acquisition Regulations (52.)

<https://www.acquisition.gov/comp/far/current/html/FARTOCP52.html>

Transportation Acquisition Regulations (1252.) <http://www.dot.gov/ost/m60/tamtar/part1252.htm>

U.S. Maritime Administration Provisions and Clauses (MCL.)

[https://voa.marad.dot.gov/Solicitation\\_Awards/docs/mar-380/MARAD%20Clauses%20MCL%20for%20HTML.htm](https://voa.marad.dot.gov/Solicitation_Awards/docs/mar-380/MARAD%20Clauses%20MCL%20for%20HTML.htm)

52.211-08 TIME OF DELIVERY (45 days after notice to proceed)

52.212-4 Contract Terms and Conditions-Commercial Items;

52.212-5 Contract Terms and Conditions Required to Implement Statutes or Executive Orders - Commercial Items; within FAR Clause 52112-5(b) and (c), the following Items are designed by the Contracting Officer to apply to the solicitation:

52.204-10 Reporting Executive Compensation and First-Tier Subcontract Awards (over 25K)

52.219-28 Post-Award Small Business Program Representation.

52.222-3 Convict Labor,

52.222-19 Child Labor - Cooperation with Authorities and Remedies,

52.222-21 Prohibition of Segregated Facilities,

52.222-26 Equal Opportunity,

52.222-36 Affirmative Action for Workers with Disabilities, (Over 15K)

52.225-3, Buy American Act--Free Trade Agreements--Israeli Trade Act (Over 25K)

52.225-13 Restrictions on Certain Foreign Purchases, and

52.232-33 Payment by Electronic Funds Transfer --Central Contractor Registration

52.222-41 Service Contract Act

52.222-39 Notification of Employee Rights

52.223-18 Encouraging Contractor Policy to Ban Text Messaging While Driving

DTMA-92-C-2011-0007  
FB-211 Crane Barge Drydocking and Repairs  
Applicable Provisions and Clauses

52.232-18 Availability of Funds  
52.233-02 Service of Protest  
52.245-01 Government Property  
1252.217-70 Guarantee  
1252.217-72 Performance  
1252.217-74 Subcontracts  
1252.217-77 Title  
1252.217-85 Inspection and Manner of Doing Work  
1252.219-19 Small Business Concern Representation for the Small Business Competitiveness  
Demonstration Program  
1252.223-71 Accident and Fire Reporting  
1252.223-73 Seat Belt Use Policies and Programs  
1252.232-80 Progress Payments Under Commercial Ship Repair Contracts  
1252.242-73 Contracting Officer's Technical Representative  
MCL.H-2 Supplemental Work Requests (Subparagraph (d)(10) is \$10,000.00)  
MCL.H-3 Indemnity and Insurance  
MCL.H.4 Indemnity and Insurance (Additional) (All limits up to \$5,000,000.00 are revised to  
\$1,000,000.00 for this solicitation)  
  
MCL.H-6 Standards of Employee Conduct  
MCL.H-7 Environmental Concerns/Asbestos Related/Hazardous Materials/Petroleum and Petroleum  
Products: Environmental Compliance  
MCL.H-10 Supplemental Growth Requirements  
MCL.H-11 Disposition of Removed Equipment and Scrap  
MCL.H-12 Maritime Liens, No Authority to Incur  
MCL.H-13 Supervision  
MCL.L-2 Agency Protests

APPLICABLE SERVICE CONTRACT ACT WAGE DETERMINATION: The Service Contract Act wage  
determination applicable to this requirement is available online at the following address:

<http://www.wdol.gov/wdol/scafiles/std/05-2543.txt>

DTMA-92-C-2011-0007  
FB-211 Crane Barge Drydocking and Repairs  
Applicable Provisions and Clauses

INVOICE SUBMISSION INSTRUCTIONS – MARAD

The Contractor may submit invoices in either electronic or paper format. Electronic submission is preferred.

- 1) Electronic invoices shall be addressed to [MARADInvoices@faa.gov](mailto:MARADInvoices@faa.gov), with copy to [MARADSARInvoices@dot.gov](mailto:MARADSARInvoices@dot.gov)

Electronic invoices shall conform to the following criteria, or be subject to rejection:

- a. Invoice and supporting documentation shall be in Adobe Acrobat (pdf) format.
  - b. The e-mail subject shall include the contract/purchase order number and invoice number.
  - c. The transmitting e-mail shall include the following information: Name of the Contractor; Invoice date and number; Invoice amount; Contract number and, if applicable, the order or modification number; Terms of any discount for prompt payment offered; Payment instructions (i.e., financial institution, ABA routing #, account #)
- (2) Paper invoices shall be submitted to one of the following addresses. Multiple copies are not required.

MARAD A/P SAR Invoices Branch  
AMZ-150  
PO Box 25710  
Oklahoma City, OK 73125

If a street address is required for delivery (i.e., Federal Express), the following address may be used in lieu of the post office box:

MARAD A/P SAR Invoices Branch  
AMZ-150  
6500 S MacArthur Blvd.  
Oklahoma City, OK 73169