

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES 1 6
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2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 03/19/07	4. REQUISITION/PURCHASE REQ. NO. 61-0211-06	5. PROJECT NO. (If applicable)
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6. ISSUED BY NAVAL RESEARCH LABORATORY 4555 OVERLOOK AVE, SW WASHINGTON, DC 20375	CODE N00173	7. ADMINISTERED BY (If other than Item 6)	CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) TO ALL OFFERORS	(X)	9A. AMENDMENT OF SOLICITATION NO. N00173-06-R-SK08
	X	9B. DATED (SEE ITEM 11) 01/11/07
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 11)
CODE		FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning 2 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE PAGE 2.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED

The purpose of this amendment is to extend the closing date, answer questions from prospective offerors and revise the RFP.

1. The closing date is changed to 27 March 2007, at 4:00 pm.
2. Answers to technical questions received are shown below.

Q1. To assist the bidders with more realistic and consistent cost proposal development, what is the Navy's estimated workload (by projected hours per labor category) for each homeport where the preservation work (SOW para 3.5.2) is anticipated to be executed?

A1. These are estimated percentage workload at ports. Projected hours per labor category are proportional to those outlined in H-3.

Groton, CT - 5%
Norfolk, VA - 35%
Jacksonville, FL - 10%
San Diego, CA - 20%
PACNORWEST - 20%
Pearl Harbor, HI - 10%

Q2. What is the Navy's intention with respect to multiple awards and how will this be determined, especially with respect to the portion of the work described in SOW para 3.5.2? Will awards for this work be made by homeport and/or platform type as has been done in the past preservation team program?

A2. The Government does not anticipate making multiple awards within this task. Award of this task will be made in accordance with Section M to the offeror that is determined to be the best value to the government.

Q3. If multiple awards are made without specifying homeports, will successful contractors be required to submit bid proposals for all follow-on competitions relating to preservation work (SOW para 3.5.2) in all homeports?

A3. The Government does not anticipate making multiple awards within this task.

Q4. In reading through Amendment 0001 of the subject solicitation, the government responded to a question concerning the qualifications and years of experience of a Project Engineer/Scientist. SAIC asked a broader question regarding all of the labor categories and the ability to substitute years of experience for degrees. Are we to assume that this experience substitution is only permitted for Project Engineer/Scientist, or may the same level of substitution be proposed for other labor categories?

A4. Yes, this experience substitution only applies to the Project Engineer/Scientist labor category, not to any other labor category.

Q5. Also, please note that the quantity of hours in the table for SOW paragraph 3.2 that was included in the Amendment appears to contain an error for the Engineer/Scientist, and Technician rows in the Total column. We believe the totals should be 60,000 for the Engineer/Scientist category, and 27,500 for Technician. The total for all categories should be 168,500.

A5. Paragraphs (a), (b) and the table for SOW Paragraph 3.2 in paragraph (k), Section H, Clause H-3, entitled ONR 5252.216-9706 - LEVEL OF EFFORT (DEC 88) is changed to read as follows:

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in this contract. The total level of effort for performance of this contract shall be 494,750 total hours of direct labor for the base award, 494,230 hours for Option 1, 494,230 hours for Option 2, 494,230 hours for Option 3, and 494,230 hours for Option 4, of direct labor for each option period, if exercised, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort. A breakdown of labor categories and hours is set forth in paragraph (k) below.

(b) The level of effort for this contract shall be expended at an average rate of 41,228 hours per month for the base award, 41,186 hours for Option 1, 41,186 hours for Option 2, 41,186 hours for Option 3, and 41,186 hours for Option 4, if exercised. It is understood and agreed that the rate of hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total hours of effort prior to the expiration of the term of the contract.

SOW Paragraph 3.2:

Labor Category	Basic Award, Year 1 Hours	Option 1, Year 2 Hours	Option 2, Year 3 Hours	Option 3, Year 4 Hours	Option 4, Year 5 Hours	Total Hours
Sr. Manager	4200	4200	4200	4200	4200	21000
Sr. Engineer/Scientist	10000	10000	10000	10000	10000	50000
Engineer/Scientist	12000	12000	12000	12000	12000	60000
Technician	5500	5500	5500	5500	5500	27500
Student	1000	1000	1000	1000	1000	5000
Technical Assistant	1000	1000	1000	1000	1000	5000
TOTAL	33700	33700	33700	33700	33700	168500

Q6. During the site visit, the Navy offered to provide a presentation that would elaborate on the site and mission of the NRL-DC operation. When will this be provided? Also, a similar presentation that more fully describes the activities that occur in the Fuel Chemistry and Engineering program portion of the SOW, to include a description of the tests that are performed and the standards they are performed under, as well as the instrumentation/equipment that is used, would be appreciated.

A6. Basic fuel testing should be covered under MIL-DTL-5624U. The Government does not have a presentation on the NRL-DC operation. The Government offered to provide a list of the NRL-DC equipment. The list is as follows:

- Servo-hydraulic machines (vertical and horizontal, up to 110,000 pound capacity) for fatigue and fracture toughness studies
- Constant extension rate/rising step load machines (up 60,000 pound capacity) for smooth and fracture mechanics specimens
- Universal test machine (60,000 pound capacity)
- Constant displacement amplitude fatigue machines (2,000 pound capacity)
- High-speed infrared camera for differential thermographic stress analysis
- DC voltammetry and AC impedance – Gamry Instruments and Princeton Applied Research
- Scanning Kelvin/ Scanning Vibrating Probe
- FTIR
- Streaming potential system

- X-ray fluorescence
- X-ray photoelectron spectroscopy and X-ray absorption spectroscopy
- Spray deposition coating unit (ceramic, metal films)
- X-ray Absorption Spectroscopy at Beam lines X-11 and X-23B at the National Synchrotron Light Source
- Quartz crystal microbalance
- Mass Spectrometer
- Coatings Formulation Equipment

3. A site visit was conducted on 2 March 2007 at the CCSE Key West facility. The following individuals attended:

Mark D. Savignac, SAIC
Bruce H. Black, SAIC
Gary Hattery, Battelle
Henry Pate, Battelle
Wayne McGaulley, Vision Point

4. During the Site visit, questions were raised regarding the facility and equipment. Shown below are answers to those questions.

SV-Q1. Is this the only Velocity Flume?

SV-A1. No, We have 8. We currently only have one set up.

SV-Q2. Does the CCSE have weatherometers?

SV-A2. Yes, Atlas.

SV-Q3. Metallographic facilities?

SV-A3. Yes.

SV-Q4. Optical and Electronic Microscopes?

SV-A4. Optical Scope, no Electronic microscopes.

SV-Q5. What kind of power service? 240/480VAC capabilities?

SV-A5. Yes

SV-Q6. What kind of weather data does the CCSE collect? Chloride concentrations in the air?

SV-A6. Atmospheric and Sea water monitoring. No.

SV-Q7. How well characterized is the exposure sites? Salinity of water?

SV-A7. Very well.

SV-Q8. How long has data been collected?

SV-A8. 3 decades.

SV-Q9. What kind of dock facilities does the CCSE have?

SV-A9. None

SV-Q10. How many acres of land does the site encompass?

SV-A10. About 3.

SV-Q11. Has the damage from the hurricane been repaired?

SV-A11. Mostly, repairs are ongoing.

SV-Q12. Are there additional plans for expanding or renovating existing facilities?

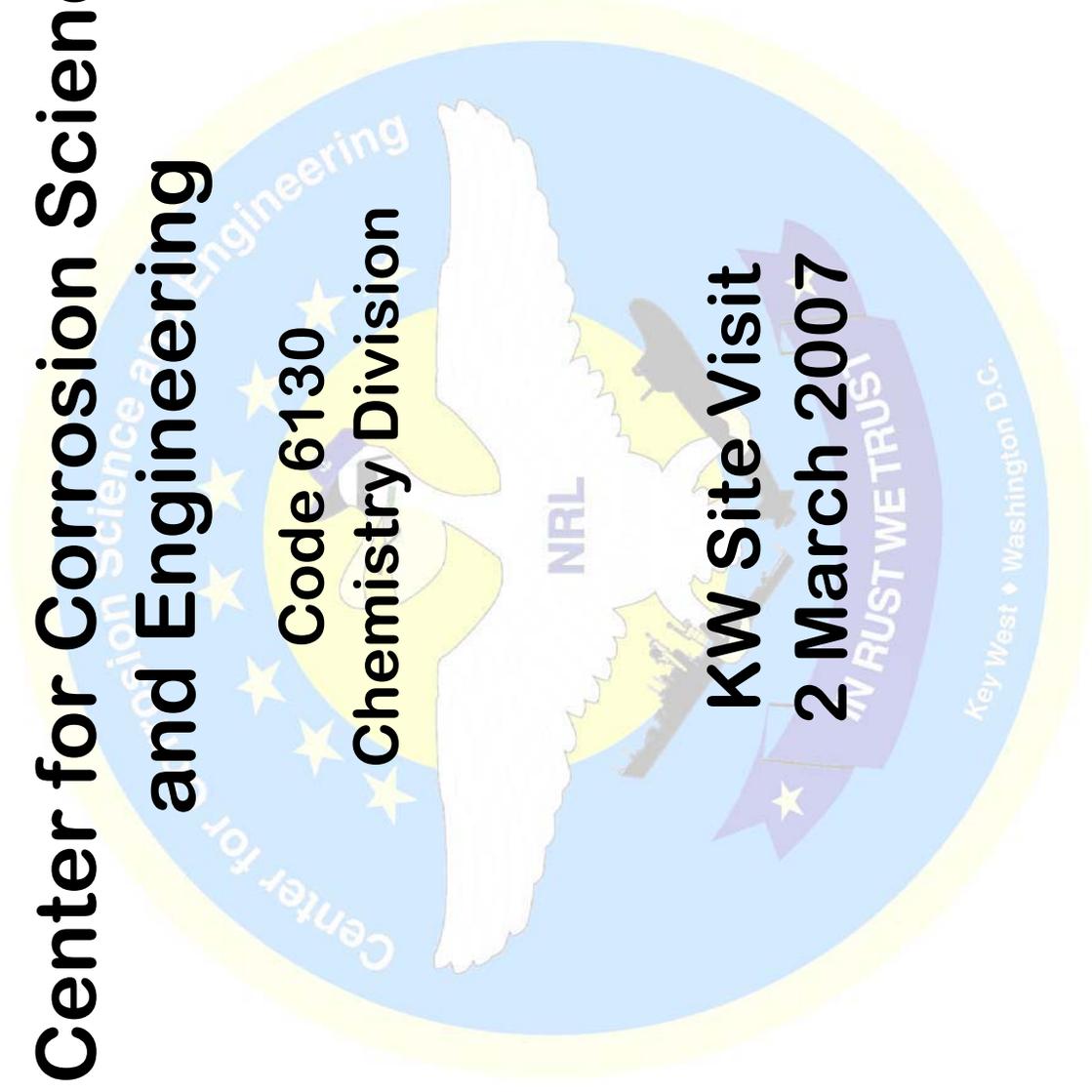
SV-A12. Yes.

5. The rest of the information provided at the site visit was in the form of slides and equipment list. This information is attached and consists of 19 pages.

Center for Corrosion Science and Engineering

Code 6130

Chemistry Division

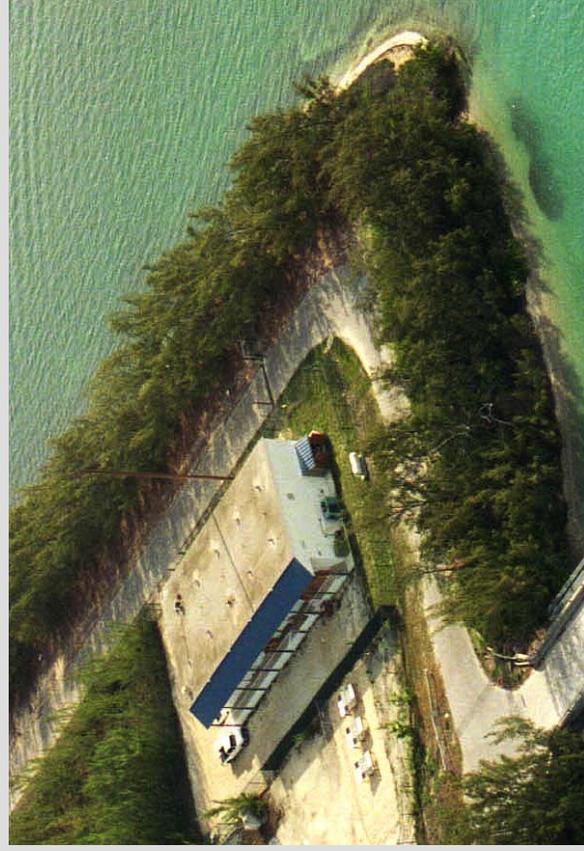


**KW Site Visit
2 March 2007**

NRL Key West

Marine Engineering & Corrosion Test Laboratory

***Extensive Database from 1960's
Unlimited Natural Flowing SW
“Blue Ocean” SW Properties
No Industrial/Run-off Pollution
6.1 – 6.4 RDT&E Efforts
Fleet Engineering and Prototypes***



Coatings Test and Evaluation Facility

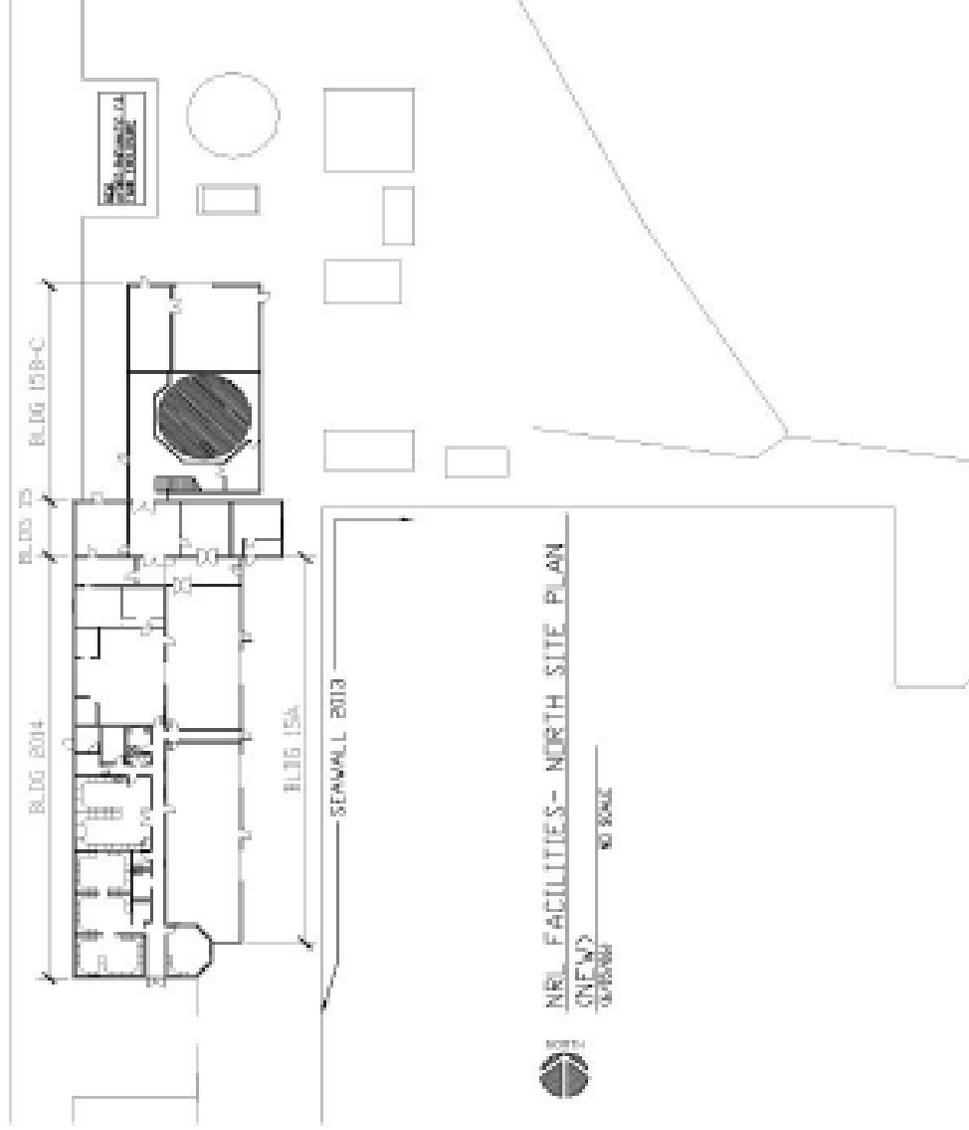
***State-of-the-Art Laboratory
Integrated Lab/Natural Exposure
Environmental Performance
UV Performance site
Navy QPL Test Site***

KW Facilities

- Coatings
 - Bldg F-1 Laboratory
 - Exposure Troughs/ High Velocity Flume
 - Atmospheric Test Site
 - Powder Facility
 - High Bay/Lab
- Corrosion
 - Bldg F-14 Laboratory
 - SW Piping System/Immersion
 - Cathodic Protection Modeling facility
 - Sacrificial Anode Pier
- Aquatic Nuisance Species
 - Plant and Pumps
 - Microbiology Lab
- Support
 - Machine Shop
 - Welding
 - Fabrication

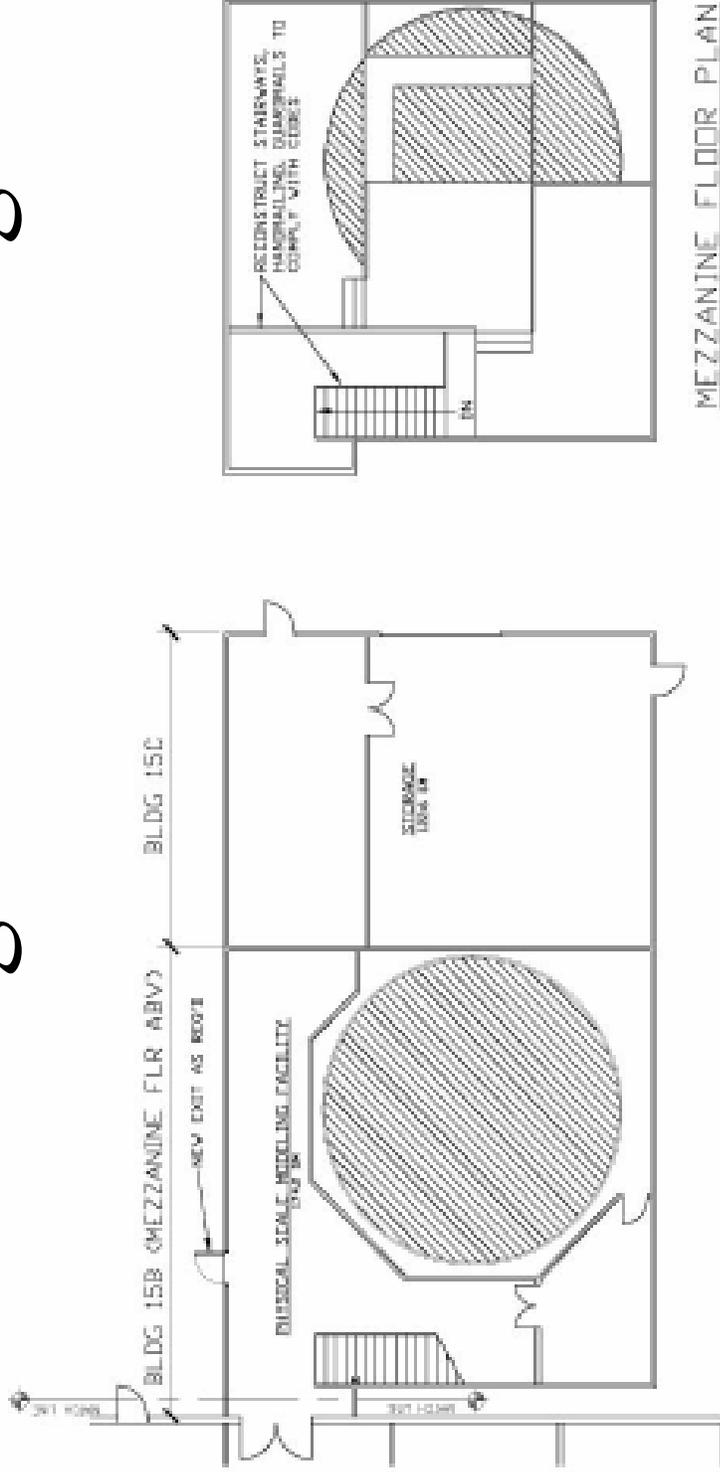
Bldg F-14

Repair Naval Research Lab Facilities
Naval Air Station, Key West, Florida



Rapid Naval Research Lab Facility
Naval Air Station, Key West, Florida

Bldg F-15 Modeling

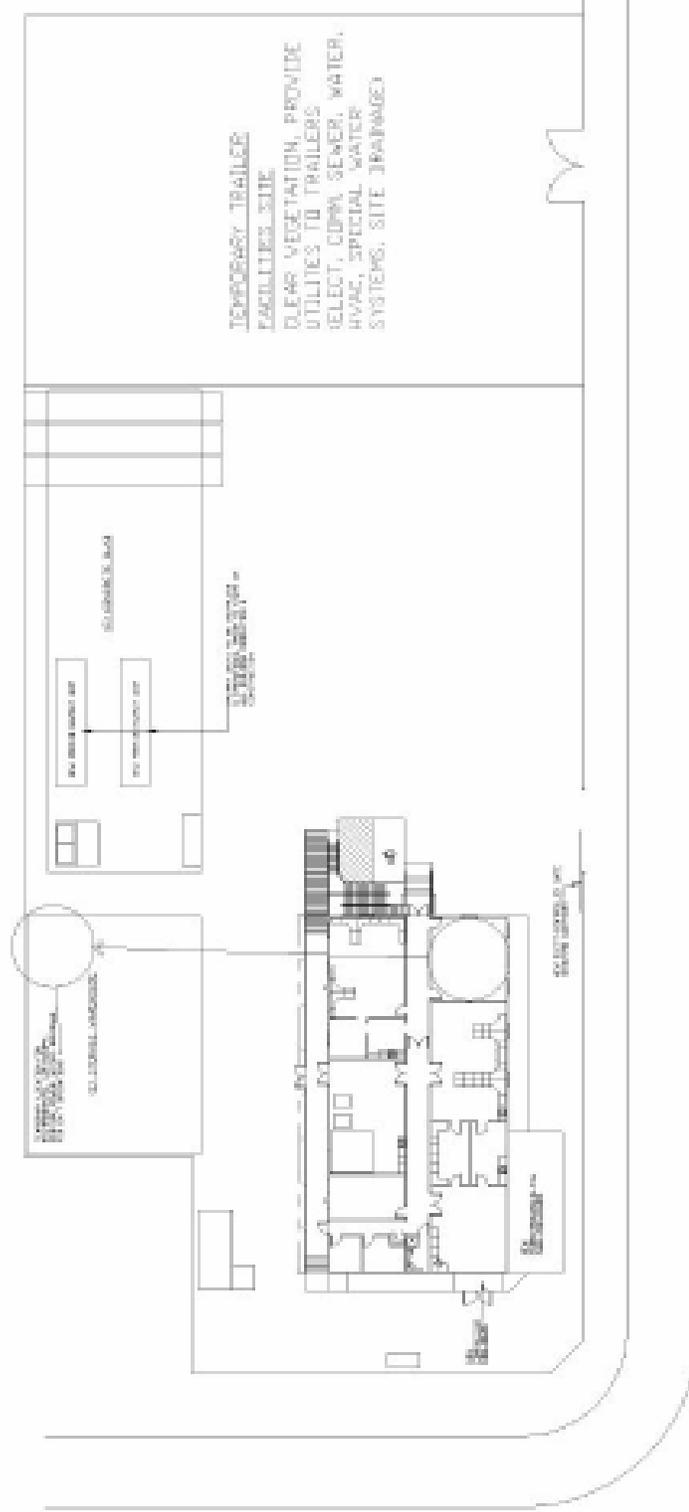


NEW FLOOR PLAN - BUILDING 15B-C (EXISTING SIMILAR)
NO SCALE



Bldg F-1 and area

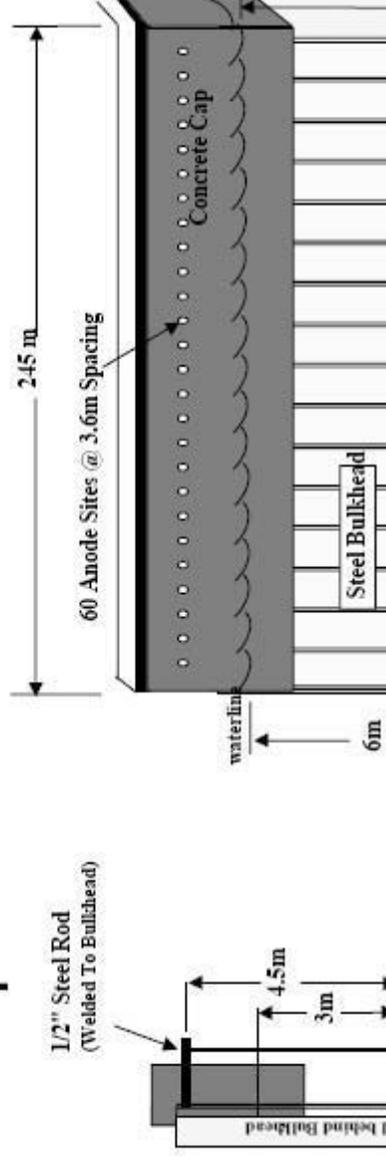
Repair Naval Research Lab Facilities
Naval Air Station, May West, Florida



NRL SOUTH SITE PLAN - NEW WORK
REV 004/01

NRLKW Anode Pier for Long Term Performance Testing

- Anode test site on “semi-infinite” cathode
- Seawall potential polarization is $<10\text{mV}$
- Anode currents monitored weekly
- Anode potentials acquired at start & finish.



Facility Layout

Repair Naval Research Lab Facilities
Naval Air Station, Key West, Florida

5. ROOM REQUIREMENTS

LEGEND:

- Floor Finish:**
 -EP: Epoxy
 -VCT: Vinyl Composition Tile
 -CT: Ceramic Tile
 -CPT: Carpet
- Base:**
 -RB: Rubber Base, 6" high
 -CB: Carpet Base, 6" high
 -IE: Integral Epoxy, 6" high
- Wall:**
 -CT: Ceramic Tile, 8'-0" high
 -FWC: Fabric Wall Covering
- Ceiling:**
 -AT: Acoustical Tile
 -PG: Painted Gypsum board
 -ESR: Exposed Structural Rod-Ceiling
- Miscellaneous:**
 -E: Existing to remain
 -TBD: To Be Determined
 -ME: Match Existing

BUILDING F-1:	ROOM NAME	FLOOR AREA (SF)	FLOOR FINISH	MIL-SPACE CHARACTERISTICS			REMARKS
				BASE	WALL FINISH	CEILING FINISH	
Office		660	CPT	RB	PAINT	AT	10
Conference Room		546	CPT	RB	PAINT	AT	10
Copier		130	VCT	RB	PAINT	AT	10
Breakroom		126	VCT	RB	PAINT	AT	10
Coatings Lab		766	EP	IE	PAINT	AT	10
Coatings Application		726	EP	IE	PAINT	ESR	(TBD)

Facility Layout (con't)

Rupar Naval Research Lab Facilities
Naval Air Station, Key West, Florida

Sample Preparation	200	EP	IE	PAINT	ESR	(TBD)
Photography	100	EP	IE	CT	AT	10'
Analytical #1	200	EP	IE	CT	AT	10'
Accelerated Corrosion	550	EP	IE	PAINT	AT	10'
Bathroom	75	CT	CT	PAINT	GP	8
Janitor Closet	10	CT	CT	PAINT	GP	8
Communications Room	90	EP	IE	PAINT	ESR	(TBD)
Electrical Room	(TBD)	EP	IE	PAINT	ESR	(TBD)
BUILDING F-2014:						
Director's Office	260	CPT	RS	PAINT	AT	10'
Office #1	360	CPT	RS	PAINT	AT	10'
Office #2	280	CPT	RS	PAINT	AT	10'
Office #3	280	CPT	RS	PAINT	AT	10'
Copier	45	CPT	RS	PAINT	AT	10'
Breakroom	70	CT	RS	PAINT	AT	10'
Hallway	(TBD)	EP	IE	PAINT	AT	10'
Toilet	40	CT	CT	CT	GP	8
Main Lab	665	EP	IE	PAINT	AT	12'
Restroom	80	CT	CT	CT	GP	8
Janitor Closet	25	EP	IE	PAINT	GP	8
Communications Room	90	EP	OS	PAINT	ESR	(E)
Compressor Room	(TBD)	EP	OS	PAINT	ESR	(E)
Electrical Room	(TBD)	EP	OS	PAINT	ESR	(E)
Machine Shop	1,050	EP	OS	PAINT	ESR	(E)
Conference	200	EP	IE	PAINT	AT	ME
Messingy	300	EP	IE	PAINT	AT	ME
Building 15A						
Saltwater Exposure Area	1,800	(E)	(E)	PAINT	ESR	(E)
Machine Shop #2	1,370	(E)	(E)	PAINT	ESR	(E)
Biology Sample Room	360	EP	IE	PAINT	AT	ME
Library	210	EP	IE	PAINT	AT	ME
Hallway	(TBD)	EP	IE	PAINT	OS	8

Building F-15

3 March 200'

Facility Equipment List

Rupar Naval Research Lab Facilities
Naval Air Station, Key West, Florida

	360	EP	IE	PAINT	AT	ME
Electronics			IE	PAINT	AT	ME
Electrochemistry	325	EP	IE	PAINT	AT	ME
Bio-Analytical Room	330	EP	IE	PAINT	AT	ME
Pump Room	340	(E)	(E)	(E)	(E)	(E) Painting
Building F-15B	1,875	(E)	(E)	(E)	(E)	(E)
Building F-15C	1,320	(E)	(E)	(E)	(E)	(E)

NRL- FURNITURE & EQUIPMENT												
ROOM NAME & EQUIPMENT	EXISTG.	COUL. EQUIPT. (NEW)	RELOCATED/ INSTALLED BY CONTRACTOR		RELOCATED/ INSTALLED BY NRL		ROOM LOCATION (NEW FACILITY)	Power	Air	H2O	Drain/ Liva	REMARKS
			Temp Facility	Storage	Temp Facility	Storage						
BUILDING F-1:												
Office 1:												
-Work Stations	2		X				OFFICE					
-Computers	2				X	X	OFFICE					
-Chairs	2		X				OFFICE					
-File	1		X				OFFICE					
-Markerboard	1			X		X	OFFICE					
-Compact Refrigerator	2			X		X	OFFICE					
Office 2:												
-Work Stations	3		X				OFFICE					
-Computers	3				X		OFFICE					
-Chairs	3		X				OFFICE					
-Markerboard	1			X			OFFICE					

Facility Equipment List (con't)

Repair Naval Research Lab Facilities
Naval Air Station, Key West, Florida

-Drill press	1					X				SAMPLE PREP							
-Grinder	1					X				SAMPLE PREP							
-Chairs	2					X				SAMPLE PREP							
-Tool chests	2					X				SAMPLE PREP							
-Acetylene tank	1					X				SAMPLE PREP							
Reception:																	
-Copier	1					X				COPIER							
-Metal Cabinets	2					X				COPIER							
-Base cabinet	1							X		OFFICE #2							
-Mail Center	1					X				OFFICE #2							
-30"x6' Table																	
Office (Cherry):																	
-Work Station	1					X				OFFICE #2							
-Computer	1							X		OFFICE #2							
-Chair	1					X				OFFICE #2							
-Table	1							X		OFFICE #2							
-File cabinet	2					X				OFFICE #2							
-Color Printer	1								X	COPIER							
-Printer	1								X	OFFICE #2							
-Shredder	1					X				OFFICE #2							
Office (Teak)																	
- Wood Work Station	1					X				OFFICE DIRECTOR							
-Computer	1								X	OFFICE DIRECTOR							
-Chair	3					X				OFFICE DIRECTOR							

Facility Equipment List (con't)

Repair Naval Research Lab Facility
Naval Air Station, Key West, Florida

-Table	1	1	X						OFFICE DIRECTOR				
-Metal cabinet	1			X					OFFICE DIRECTOR				
-Lateral File	3	3							OFFICE DIRECTOR				
Walker's Office													
-Work stations	3	3	X						OFFICE #2				
-Chairs	3	3	X						OFFICE #2				
-Computer	1				X				OFFICE #2				
-Printer	1									X			
-Tackmarker board	2									X			
-Refrigerator	1								BREAKROOM				
-Microwave	1								BREAKROOM				
-Coffee machine	1								BREAKROOM				
Office (James)													
Work station	1	1	X						OFFICE #1				
-Chair	1	1	X						OFFICE #1				
-4 of wall shelving	40 LF								OFFICE #1				
-File Cabinet	1	1	X						OFFICE #1				
-Metal Cabinet	1			X					COMM RM				
-Computer	1				X				OFFICE #1				
Office (BOB)													

Facility Equipment List (con't)

Repair Naval Research Lab Facilities
Naval Air Station, Key West, Florida

-Work station	2	2	X						OFFICE #1
-Chair	2	2	X						OFFICE #1
-85 Cabinet	1								RESTROOM
-3'x4' Wall cabinet		2							MAIN LAB
Office (Wayne/Mart):									
-Work station	2	2	X						OFFICE #1
-30"x60" desk		1		X					MAIN LAB
-Chair		2	X						OFFICE #1
-Adj wall shelving		30 LF							MAIN LAB
-File Cabinet		1	X						OFFICE #1
-Computer	2					X			OFFICE #1
Office (Thomas):									
Work station	2	2	X						OFFICE #3
-Chair	2	2	X						OFFICE #3
-Adj wall shelving		30 LF							OFFICE #3
-File Cabinet		1				X			OFFICE #3
-Computer	2					X			OFFICE #3
-Printer	1								OFFICE #3
Work station		2	X						OFFICE #3
-Chair		2	X						OFFICE #3
-Adj wall shelving		30 LF							OFFICE #3
-File Cabinet	2								OFFICE #3

Facility Equipment List (con't)

Repair Naval Research Lab Facilities
Naval Air Station, Key West, Florida

	-Computer	2					X		OFFICE #3			
Main Laboratory:												
chemical cabinets	2	2							MAIN LAB			
wipers												
LF lab base cabinets	120LF	120LF							MAIN LAB			
LF base cabinet	16LF	16LF							MAIN LAB			
sinking												
chalk board						X			MAIN LAB			
refrigerator	1	1							MAIN LAB			
table									MAIN LAB			
photo stand									MAIN LAB			
Hydrogen tank									MAIN LAB			
rolling equipment cart									MAIN LAB			
rolling equipment desk									MAIN LAB			
fume hood	1	1							MAIN LAB			
storage												
lateral file						X			MAIN LAB			
Sara lead									MAIN LAB			
Nanopure water filter									MAIN LAB			
Coming Mega pure system									MAIN LAB			
Server Room												
- Server Rack									COMMS RM			
- Workstation									COMMS RM			