

USS CARR (FFG-52)
SEMAT II SHELL CONDITION ASSESSMENT
SURVEY
INTERIOR AREAS
11/05/2001 TO 11/20/2001



PREPARED BY
SUPERVISOR OF SHIPBUILDING CONVERSION
AND
REPAIR
PORTSMOUTH, VIRGINIA
11/21/01

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21 November 2001
Serial # 1697AY087

Q.E.D Systems Inc. was tasked by the Supervisor of Shipbuilding Conversion and Repair, USN (SPORT) Portsmouth, VA to conduct an Ultrasonic Thickness (U/T) Survey of specific locations on board USS CARR(FFG-52) during the period 5 – 20 November 2001.

The survey was conducted by Francis J. LaRock, Certified Level II on 9 March 2001.

The instrument used was a Krautkramer, Model DMS.

Serial Number: 700744
Calibration Date: 23 June 2001
Probes Used: KBA 560
FH 2 E

The discrepancies have been recorded on MAF'S and are included in the report.

Frank
Francis J. LaRock
Certified Level II

USS CARR (FFG-52)

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SHELL CONDITION ASSESSMENT OF SURVEY SUMMARY

INTERIOR AREAS

A SEMAT I SHELL AND SUPPORTING STRUCTURE SURVEY OF ALL ACCESSABLE INTERIOR AREAS WAS CONDUCTED ON BOARD THE USS CARR (FFG-52) AT NORSHIP CO. IN NORFOLK VA FROM 5 TO 20 NOVEMBER 2001.

THE SURVEY WAS CONDUCTED IN ACCORDANCE WITH HULL STRUCTURE MRC 1102 USING A DELMHORST MODEL BD2100 MOISTURE METER AND A KRAUTKRAMER MODEL DMS ULTRASONIC TEST INSTRUMENT SERIAL NO. 700744 CALIBRATION DUE 22 JUNE 2002.

DURING THE SURVEY, AREAS HISTORICALLY PRONE TO CORROSION (HOT SPOTS) ON (FFG-7) CLASS VESSELS WERE INSPECTED AND NOTED ALONG WITH OTHER AREAS WHERE CORROSION WAS FOUND. THE MOST CRITICAL AREA WAS FOUND TO BE THE DECK IN THE REEFER BOX AREA COMPT. 3-188-0-L. OTHER AREAS THAT NEED ATTENTION ARE THE SONAR EDUCTOR ROOM BILGE STIFFENERS AND THE WASTED ZINC AND STUDS IN THE NUMBER ONE FIRE PUMP ROOM, SINCE CARR IS IN DRY DOCK THIS IS THE BEST TIME TO BE WELDING TO THE SHELL

USS CARR'S CONDITION IS BETTER THEN AVERAGE FOR THE (FFG-7) CLASS SHIP.

USS CARR (FFG-52) STRUCTURAL INSPECTION RESULTS

UNSATISFACTORY AREAS

LOCATION	AREA	RESULTS
(3-84-0-E) A/C MACHINERY ROOM	PORT SIDE BETWEEN FRAMES 84 AND 92 FROM DECK UP TO 2 ND STRINGER	THE SHELL INSULATION DAMP AND WASTER SLEEVE FLANGE IS LEAKING ON INSULATION
(3-84-0-E) A/C MACHINERY ROOM	PORT SIDE ON THE DECK AND BEHIND CHILLER FWD OF FRAME 100	COATING SYSTEM BREAKDOWN. AREA INACCESSABLE AND UNABLE TO U/T DECK
(3-188-0-L) REEFER DECK	AFT END OF REEFER BOX TO LADDER WELL AND FROM BHD OF SWITCHGEAR ROOM TO APPROX 7' TO STBD	SURVEY REVEALED A 24 SQ FT AREA OF PLATE TO BE BELOW THE MINIMUM OF 0.187 FOR 0.250 PLATE AND 0.141 FOR 0.187 PLATE
(3-196-0-L) FOOD SERVICE OFFICE	UPPER 4 FT OF SHELL BETWEEN FRAMES 196 AND 203	THE MOISTURE RESISTENT COATING HAS PEELED FROM SHELL
(3-328-0-A) SUPPLY DEPT STRM	THE MARGIN PLATE ON POTABLE WATER TANK (5-328-1-W)	MARGIN PLATE ON POTABLE WATER TANK (5-328-1-W) IS BOWED OUTWARD APPROX 3"
(4-64-0-Q) MAGAZINE SERVICE ROOM INCLUDING N2 CHARGING STATION	THE DECK ON THE STBD SIDE OF BARBETTE 34" FWD OF BHD 84 AND 18" FROM THE BARBETTE	THERE IS A DEEP PIT IN THE TANK TOP OF (5-64-0-F)
(4-100-0-E) APU MACHINERY ROOM	THE MARGIN PLATES ON PORT AND STBD AND THE AREA BETWEEN THE MARGIN PLATE AND THE 1 ST STRINGER	THE COATING SYSTEM HAS BROKEN DOWN. THERE IS A PIT ON THE PORT MARGIN PLATE AND A PIT ON THE STBD MARGIN PLATE
(4-160-0-Q) CHT ROOM	THE WEB IN FRAME 160 WHERE IT MEETS THE MARGIN PLATE	THE FRAME HAS A 7" HOLE IN WEB
(4-160-0-Q) CHT ROOM	DECK AREA BEHIND THE CHT TANK AND THE TWO MAN HOLE COVERS	SCALE AND RUST

USS CARR (FFG-52) STRUCTURAL INSPECTION RESULTS

UNSATISFACTORY AREAS

LOCATION	AREA	RESULTS
(4-160-0-Q) CHT ROOM	DECKING ON PORT SIDE OF CHT TANK AND MARGIN PLATE PORT SIDE	THE PRC DECKING ON THE TANK TOP IS BLISTERINGS, INDICATING FAILURE
(4-172-1-E) FIRE PUMP ROOM	IN BILGE OUTBD STBD AT MARGIN PLATE	COATING SYSTEM BREAKDOWN AND ZINC ANODE IS WASTED
(5-51-0-Q) ENDUCTOR ROOM	IN THE BILGE	WATER LEVEL SENSOR NOT MOUNTED AND IS LAYING ON THE DECK PLATE
(5-51-0-Q) ENDUCTOR ROOM	THE INTERMEDIATE TRANSVERSE STIFFENER FWD OF FRAME 56	THE STIFFENER IS WASTED
(5-212-0-E) AUX MACHINERY ROOM NO. 2 (LOWER LEVEL)	IN THE BILGE	COATING SYSTEM BREAKDOWN
(5-250-0-E) MAIN ENGINE ROOM	ENTIRE BILGE AREA	FLAKING AND SCALING PAINT WITH NUMEROUS RUST BLISTERS
(5-250-0-E) MAIN ENGINE ROOM	THE INSULATION BELOW THE DECK GRATING AREA BETWEEN FRAMES 250 AND 292 PORT AND STBD SIDE DOWN TO THE TERMINATION IN THE BILGE AREA	THE HULL INSULATION IS OIL AND WATER SOAKED AND DETERIORATED THE CONDITION OF THE HULL CANNOT BE ASSESSED
(5-292-0-E) AUX MACHINERY ROOM NO. 3	AREA DIRECTLY UNDER SHAFT IN VEE AREA BETWEEN FRAMES 316 AND 324	COATING SYSTEM BREAKDOWN
(5-292-0-E) AUX MACHINERY ROOM NO. 3	AREA IN BILGE UNDER SALT WATER STRAINERS PORT SIDE BETWEEN STRINGERS 2 AND 3 OUTBD FROM KEEL	COATING SYSTEM BREAKDOWN
(5-368-0-E) STEERING GEAR ROOM	ON BULKHEAD BETWEEN FRAMES 368 AND 376	DAMP INSULATION

USS CARR (FFG-52) STRUCTURAL INSPECTION
RESULTS

SATISFACTORY AREAS

LOCATION	COMPARTMENT	MCA SUBMITTED
(3-32-0-A)	SECURITY FORCE ISSUE ROOM	YES
(3-32-1-K)	FLAMMABLE LIQUID STRM	YES
(3-36-2-T)	TRUNK	YES
(3-40-2-A)	MEDICAL STRM NO. 1	YES
(3-46-1-A)	FIRST DIVISION OFFICE	YES
(3-48-2-A)	MEDICAL STRM NO.2	YES
(3-53-2-A)	CREW AND CPO BAGGAGE ROOM	YES
(3-56-0-A)	DECK GEAR STRM	YES
(3-93-1-Q)	ELECTRICAL POWER ROOM	YES
(3-100-0-L)	BERTHING	YES
(3-100-1-L)	AIR DETACHMENT BERTHING	YES
(3-113-0-L)	SANITARY SPACE	YES
(3-140-1-L)	CLEANING GEAR LOCKER	YES
(3-140-2-L)	NAV/ ADMIN BERTHING	YES
(3-144-0-L)	BERTHING	YES
(3-155-1-Q)	CHT VALVE ROOM	YES
(3-159-2-Q)	CHT VALVE ROOM	YES
(3-180-2-C)	SWITCH GEAR ROOM	YES
(3-180-5-A)	DRY PROVISIONS STRM	YES
(3-292-2-E)	#4SSDG	YES
(4-32-0-A)	SONAR ROOM	YES

USS CARR (FFG-52) STRUCTURAL INSPECTION
RESULTS

SATISFACTORY AREAS

LOCATION	COMPARTMENT	MCA SUBMITTED
(4-48-1-Q)	SONAR COOLNG EQPT. ROOM	YES
(4-48-2-L)	PASSAGE	YES
(4-56-0-M)	SMALL ARMS MAGAZINE	YES
(4-56-2-A)	ENGINEERS STRM	YES
(4-140-0-Q)	LAUNDRY	YES
(4-140-2-A)	LAUNDRY STRM NO. 2	YES
(4-140-3-A)	LAUNDRY STRM NO.3	YES
(4-152-1-A)	CHEMICAL WARFARE DEF EQPT STRM	YES
(5-180-01-E)	SSDG NO. 1 ENCLOSURE	YES
(5-180-0-E)	AUX MACHINERY ROOM NO. 1	YES
(5-212-0-E)	AUX MACHINERY ROOM NO. 2 (UPPER LEVEL)	YES
(5-226-1-E)	SS DSL GEN NO. 2	YES
(5-226-2-E)	SS DSL GEN NO. 3	YES
(5-376-1-A)	BOS'N STRM NO. 3	YES

USS CARR (FFG-52) STRUCTURAL INSPECTION RESULTS

UNASSESSABLE AREAS

LOCATION	COMPARTMENT	RESULTS
3-20-0-Q	CHAIN LOCKER	UNASSESSABLE/ REQUIRES GAS FREE
3-64-2-V	VOID	UNASSESSABLE/ REQUIRES GAS FREE
3-64-1-V	VOID	UNASSESSABLE/ REQUIRES GAS FREE
3-236-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-236-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-240-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-240-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-272-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-272-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-278-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-278-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-286-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-286-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-292-8-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-316-1-J	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
3-322-1-J	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
4-H-0-V	VOID	UNASSESSABLE/ REQUIRES GAS FREE
4-20-0-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
4-27-0-V	VOID	UNASSESSABLE/ REQUIRES GAS FREE
5-FF-0-V	VOID	UNASSESSABLE/ REQUIRES GAS FREE
5-32-0-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-56-0-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-64-0-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-84-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-84-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-100-2-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-100-1-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-100-4-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-100-3-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-116-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-116-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5 ½-116-0-V	VOID	UNASSESSABLE/ REQUIRES GAS FREE
5-132-0-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-137-1-T	PIT SWORD	UNASSESSABLE/ REQUIRES GAS FREE
5-140-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-140-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-164-0-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-164-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-164-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE

USS CARR (FFG-52) STRUCTURAL INSPECTION RESULTS

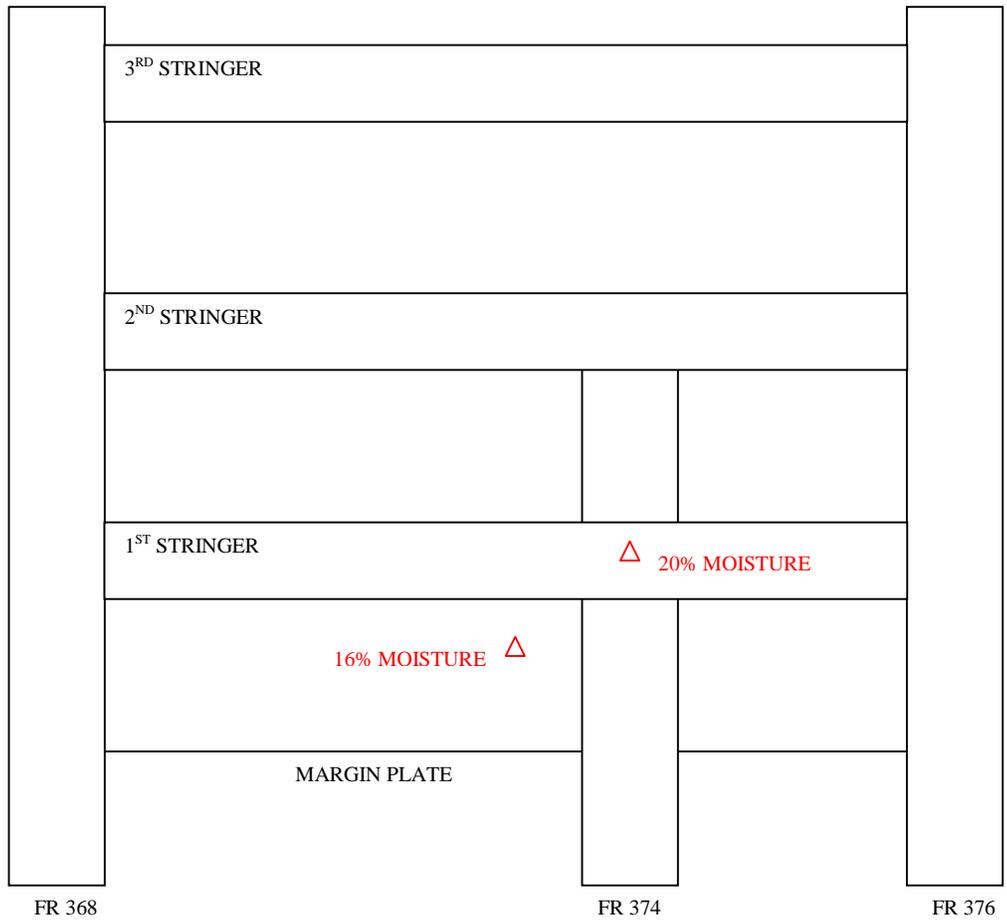
UNASSESSABLE AREAS

LOCATION	COMPARTMENT	RESULTS
5-170-0-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-192-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-201-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-201-3-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-204-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-204-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-220-2-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-222-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-250-1-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-250-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-270-0-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-276-0-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-290-2-F	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-292-1-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-292-2-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-292-3-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-308-2-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-308-1-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-328-0-J	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-328-2-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-328-1-W	WATER TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-344-0-J	FUEL TANK	UNASSESSABLE/ REQUIRES GAS FREE
5-368-0-V	VOID	UNASSESSABLE/ REQUIRES GAS FREE
5-386-0-V	VOID	UNASSESSABLE/ REQUIRES GAS FREE
5-392-0-V	VOID	UNASSESSABLE/ REQUIRES GAS FREE

MATERIAL ASSESSMENT FORM

ITEM NUMBER			SHIP USS CARR (FFG-52)			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-368-0-E	WORK CENTER EM04	JSN P336	
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			.9
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 20	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 5-368-0-E THE BULKHEAD INSULATION						
IS DAMP AND SET OFF ALARM ON MOISTURE METER						
RECOMMENDED REPAIRS:						
REMOVE APPROX 32 SQ FT OF INSULATION ON STBD SHELL BETWEEN FRAMES 368 AND 374 FROM THE BOTTOM EDGE UPTO AND INCLUDING THE 2 ND STRINGER AND REPLACE.						
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI						
CSMP SUMMARY: INSULATION DAMP				TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1				STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE						
PART NO.	NOMEMCLATURE			QTY	NSN	COST
1						
2						
3						
4						
5						
6						
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE	
ASSESSOR / ACT / TECH ID# F. LaROCK / A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP

USS CARR (FFG-52)
STEERING GEAR ROOM STBD SIDE
(5-368-0-E)



WET INSULATION BETWEEN FRAMES 368 AND 372

F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/14/01

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 5-292-0-E	WORK CENTER EM04	JSN P448	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 20	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: PER SEMAT I UNDERWATER HULL ASSESSMENT IN							
COMPT 5-292-0-E DIRECTLY UNDER SHAFT IN VEE AREA BETWEEN FRAMES 316 AND 324 THE COATING SYSTEM HAS FAILED							
RECOMMENDED REPAIRS:							
WHEN THE SHAFT HAS BEEN REMOVED POWER TOOL CLEAN 32 SQ FT OF PLATE IN BILGE AND RECOAT WITH TERRA COTTA PAINT							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: COATING SYSTEM BREAKDOWN					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN P449		
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY			EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON			
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE			
MAN HRS EXPENDED 2	MAN HRS REMAINING 20	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: PER SEMAT I UNDERWATER HULL ASSESSMENT IN							
COMPT 5-292-0-E RUSTED AREA IN BILGE UNDER SALT WATER STRAINERS PORT SIDE BETWEEN STRINGERS 2 AND 3 OUTBD FROM KEEL							
RECOMMENDED REPAIRS: POWER TOOL CLEAN 12 SQ FT OF PLATE IN BILGE AND RECOAT WITH TERRA COTTA PAINT							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: RUSTED AREA IN BILGE				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION: H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK / A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 5-292-0-E	WORK CENTER EM04	JSN P439		
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY			EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON			
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE			
MAN HRS EXPENDED 2	MAN HRS REMAINING 10	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: PER SEMAT I UNDERWATER HULL ASSESSMENT IN							
COMPT 5-292-0-E RUST/ SCALE AROUND OVBD VALVE BETWEEN FRAMES 300 AND 308 UPPER LEVEL STBD, INSULATION MISSING.							
RECOMMENDED REPAIRS:							
POWER TOOL CLEAN 2 SQ FT OF SHELL PLATE PRESERVE, REPLACE INSULATION AND PAINT TO MATCH SURROUNDING AREA							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: RUST AND SCALE ON SHELL				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION: H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

USS CARR (FFG-52)
AUXILIARY MACHINERY ROOM NO. 3
(5-292-0-E)



COATING SYSTEM BREAKDOWN ON STBD SIDE BETWEEN FRAMES 300 AND 308 AND THE 4TH AND 5TH STRINGERS DOWN FROM OVHD



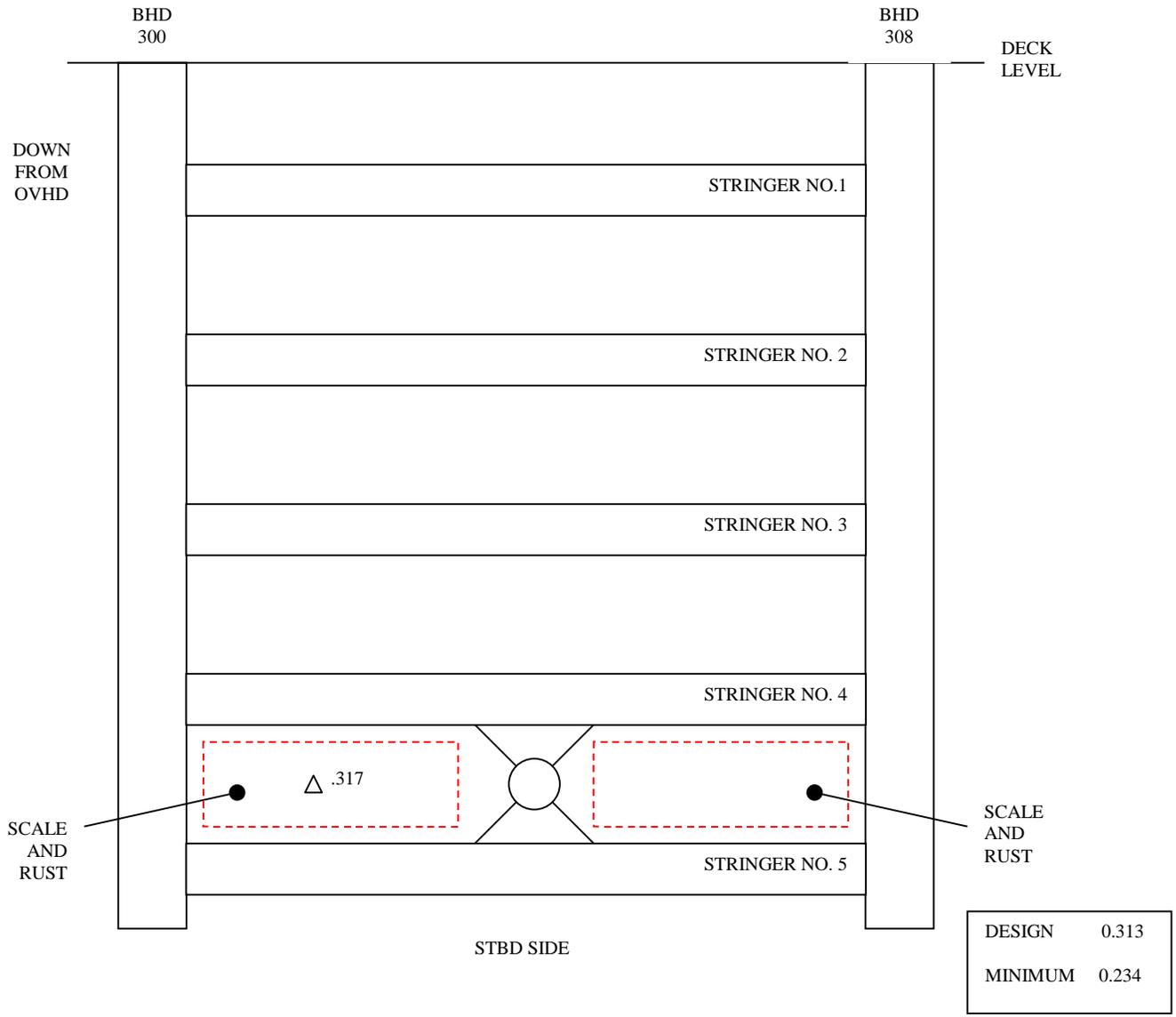
COATING SYSTEM BREAKDOWN ON PORT SIDE BETWEEN FRAMES 308 AND 316 AND THE 2ND AND 3RD STRINGER OUTBD FROM KEEL UNDER THE SALT WATER STRAINER

USS CARR (FFG-52)
AUXILIARY MACHINERY ROOM NO. 3
(5-292-0-E)



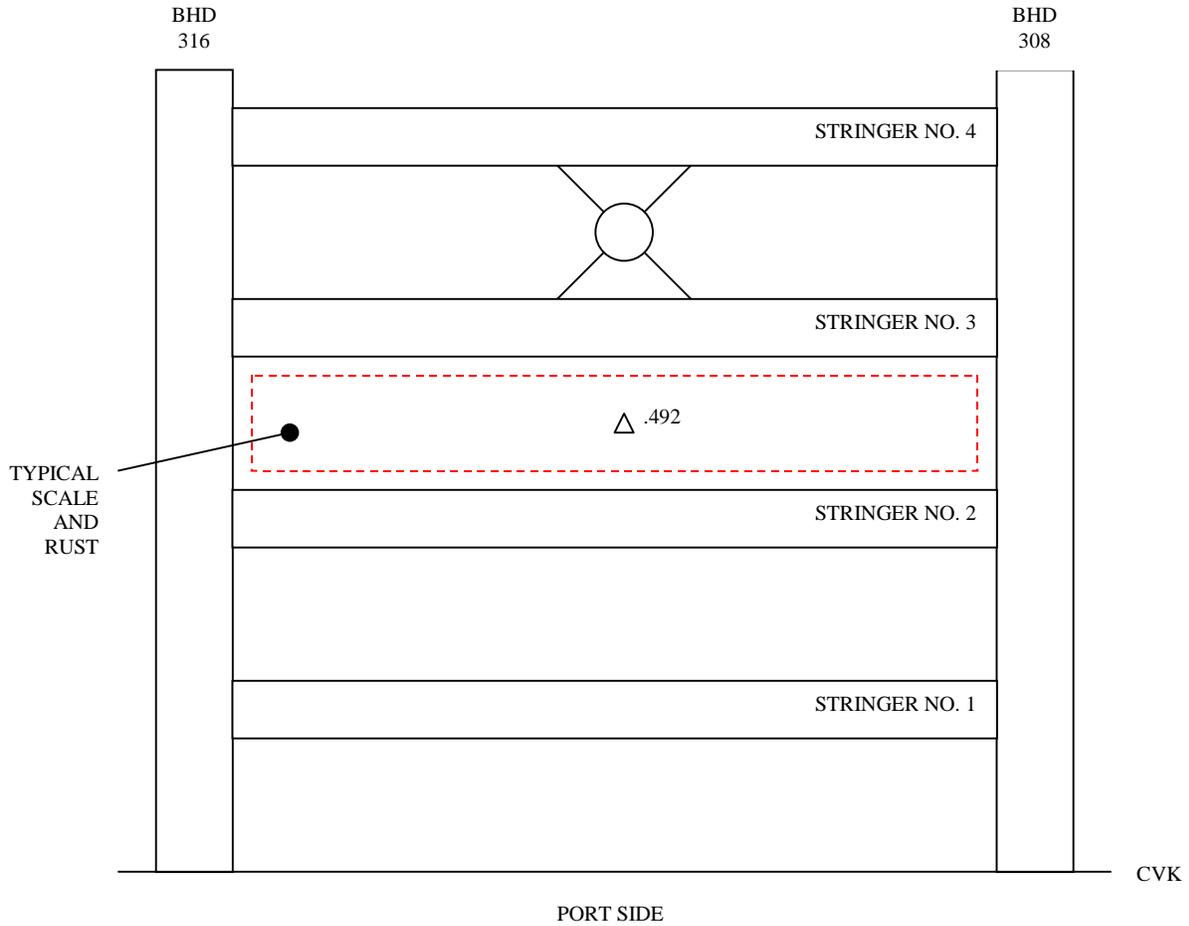
COATING SYSTEM BREAKDOWN ON STBD SIDE UNDER SHAFT BETWEEN FRAMES
316 AND 324

USS CARR (FFG-52)
AUXILIARY MACHINERY ROOM NO. 3
(5-292-0-E)



F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/15/01

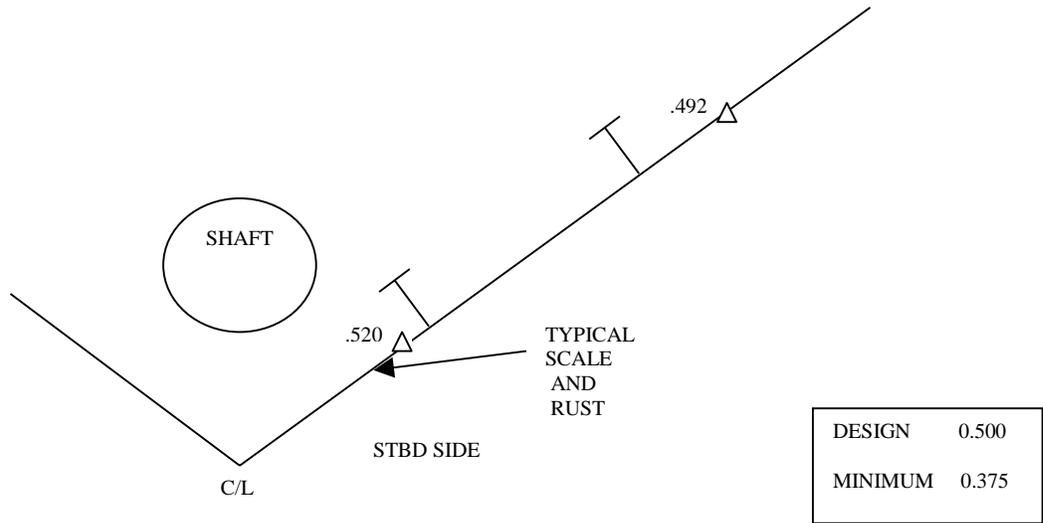
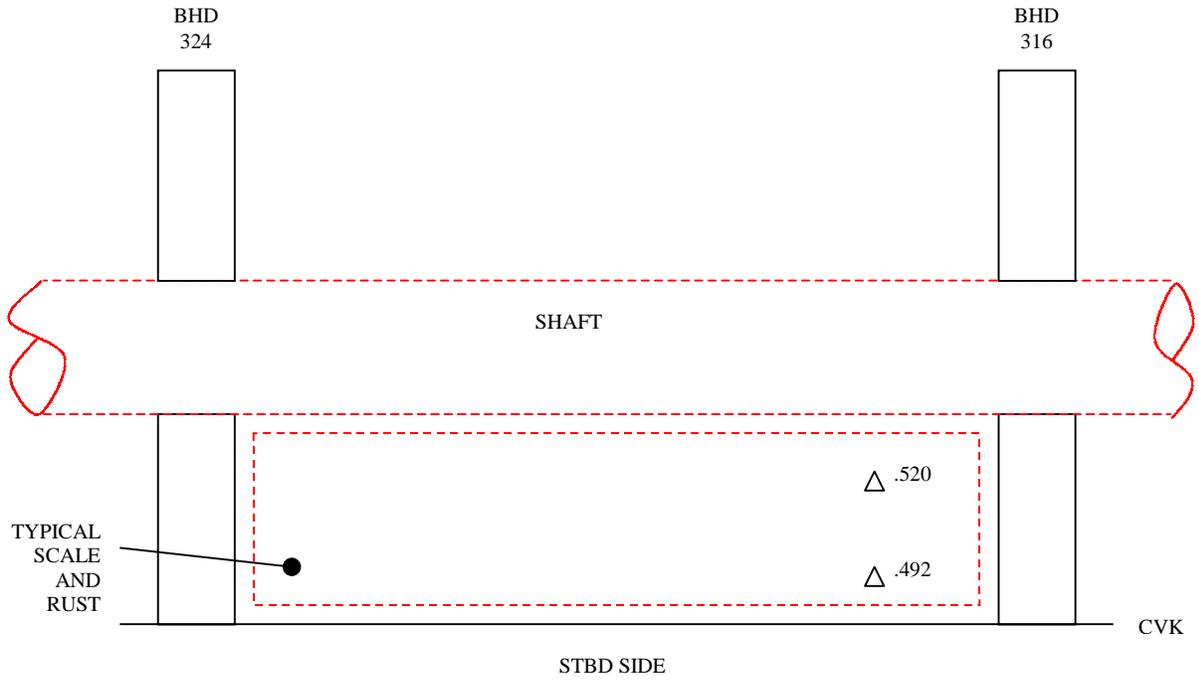
USS CARR (FFG-52)
AUXILIARY MACHINERY ROOM NO. 3
(5-292-0-E)



DESIGN	0.500
MINIMUM	0.375

F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/15/01

USS CARR (FFG-52)
AUXILIARY MACHINERY ROOM NO. 3
(5-292-0-E)



F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/15/01

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011		EIC A100		APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY			IDENT/SERIAL N/A		LOCATION 5-250-0-E		WORK CENTER EM01		JSN PO12
EQUIPMENT STATUS			PROBLEM STATUS			CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD			1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS			1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			.9
TYPE/AVAILABILITY		WHEN TO BE ACCOMPLISHED		STATUS		CAUSE		DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL		1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY		1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2		MAN HRS REMAINING 1000		COMPLETED ACTION TAKEN			S/F MANHOURS		PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL				1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE	
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: ENTIRE BILGE AREA IN COMPT 5-250-0-E HAS									
FLAKING AND SCALING PAINT WITH NUMEROUS RUST BLISTERS.									
RECOMMENDED REPAIRS:									
REMOVE WATER, OIL AND OIL FILM, POWER TOOL CLEAN BILGE AREA UP TO DECK PLATE LEVEL, EVALUATE CONDITION OF HULL, PAINT WITH TERRA COTTA PAINT									
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI									
CSMP SUMMARY: COATING SYSTEM BROKEN DOWN							TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1							STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE									
PART NO.		NOMEMCLATURE				QTY	NSN		COST
1									
2									
3									
4									
5									
6									
FIRST CONTACT HANLEY		RATE GSE3		SECOND CONTACT JOHSON			RATE GSE1		PHONE
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT OED SYSTEMS INC.					TD	TL		LOGISTICIAN	TSP

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM PRESERVATIVES AND COVERINGS		ESWBS 63511	EIC 1706	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL INSULATION		IDENT/SERIAL N/A		LOCATION 5-250-0-E	WORK CENTER EM01	JSN P013	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4.S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 3000	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: THE HULL INSULATION BELOW THE DECK GRATING IS OIL AND WATER SOAKED AND DETERIORATED. THE CONDITION OF THE HULL CANNOT BE ASSESSED.							
RECOMMENDED REPAIRS: REMOVE ALL THE HULL INSULATION BETWEEN FRAMES 250 AND 292 PORT AND STBD FROM DECK GRATING LEVEL DOWN THE TERMINATION IN BILGE. APPROX 840 SQ FT OF 2" INSULATION							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: BHD INSULATION OIL AND WATER SOAKED					TEST#		
ROOT CAUSE/AMPLIFICATION: H1					STEP#		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT HANLEY	RATE GSE3	SECOND CONTACT JOHSON		RATE GSE1	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT QED SYSTEMS INC.				TD	TL	LOGISTICIAN	
						TSP	

USS CARR (FFG-52)
MAIN ENGINE ROOM PORT SIDE
(5-250-0-E)



THERE IS RUST AND SCALE ON 1ST AND 2ND STRINGERS ABOVE DECK BETWEEN FRAMES 250 AND 258



DAMP INSULATION FROM 2ND STRINGER DOWN FROM OVHD TO BELOW DECK PLATE LEVEL BETWEEN FRAMES 250 AND 258

USS CARR (FFG-52)
MAIN ENGINE ROOM PORT SIDE
(5-250-0-E)



THERE IS HEAVY SCALE WITH RUST BLISTERS ON HULL BETWEEN 5TH, 6TH AND 7TH STRINGERS BELOW DECK PLATE LEVEL BETWEEN FRAMES 250 AND 258, THIS IS TYPICAL OF BILGE AREA.



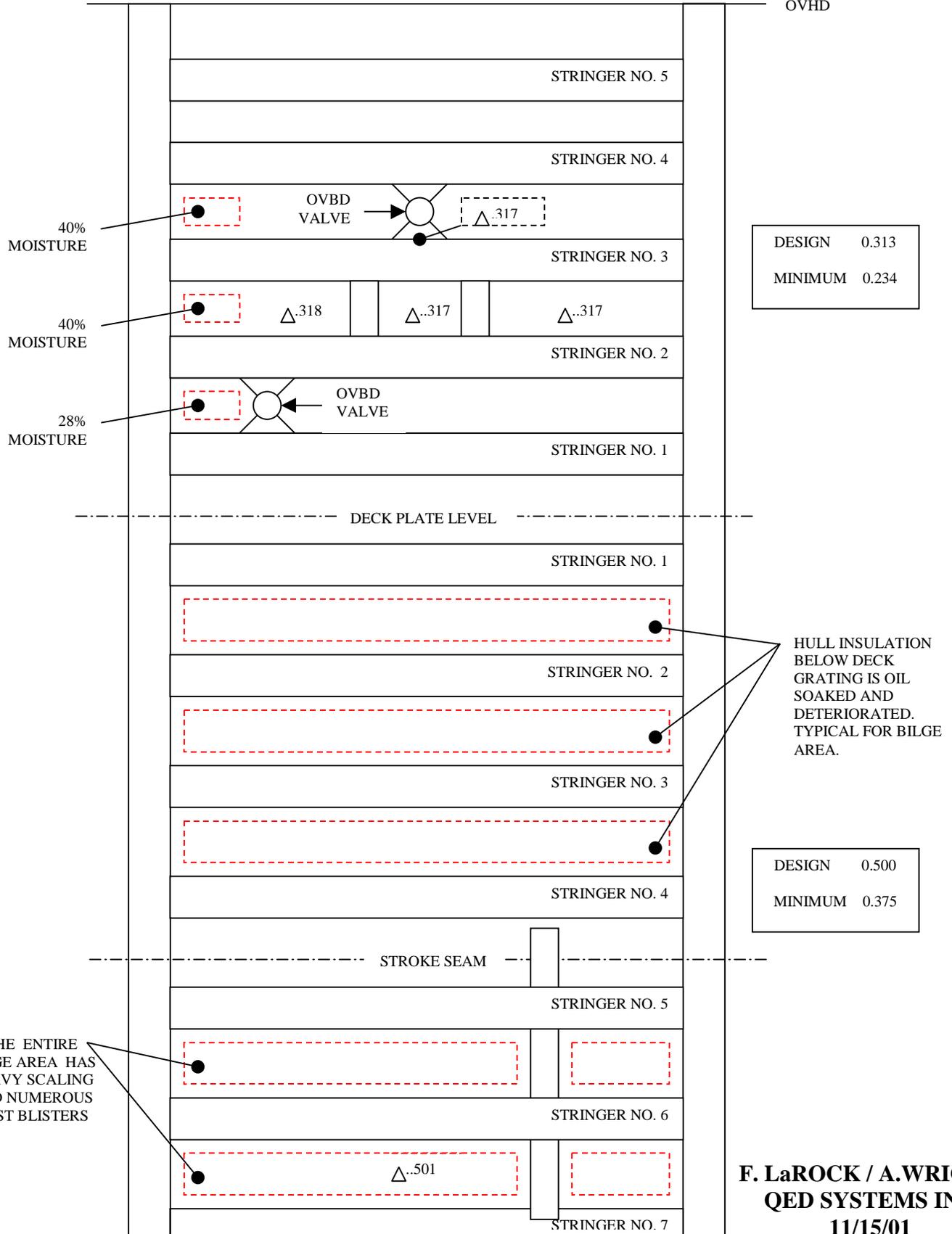
THERE IS WATER SOAKED INSULATION ON OUTBD SHELL. THIS IS TYPICAL OF BOTH SIDES FROM DECK GRATING LEVEL DOWN TO BILGE AREA.

**USS CARR (FFG-52)
 MAIN ENGINE ROOM PORT SIDE
 (5-250-0-E)**

BHD
258

BHD
250

OVHD



MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 5-212-0-E	WORK CENTER EM04	JSN P478	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 1000	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: COATING SYSTEM HAS BROKEN DOWN IN COMPT							
5-212-0-E BILGE.							
RECOMMENDED REPAIRS: POWER TOOL CLEAN BILGE AREA AND RECOAT USING TERRA COTTA PAINT							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: COATING SYSTEM BREAKDOWN					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK / A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

USS CARR (FFG-52)
AUXILIARY MACHINERY ROOM NO. 2 (LOWER LEVEL)
(5-212-0-E)



COATING SYSTEM BREAKDOWN IN BILGE AREA BETWEEN FRAMES 212 AND 250

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM INTERIOR COMMUNICATIONS		ESWBS 43711	EIC M-600	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME SENSOR		IDENT/SERIAL N/A		LOCATION 5-51-0-Q	WORK CENTER EM03	JSN P090	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 4	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPARTMENT 5-51-0-Q BILGE WATER LEVEL							
SENSOR NOT MOUNTED AND LAYING ON THE DECK PLATE							
RECOMMENDED REPAIRS: REMOUNT SENSOR AND TEST							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: SENSOR NOT MOUNTED					TEST#		
ROOT CAUSE/AMPLIFICATION: H1					STEP#		
SYSTEM LEVEL IMPACT: MINOR							
PART NO.	NOMENCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MORRIS	RATE EM3	SECOND CONTACT AYRES		RATE EM1	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK / A. WRIGHT OED SYSTEMS INC.				TD	TL	LOGISTICIAN	
						TSP	

MATERIAL ASSESSMENT FORM

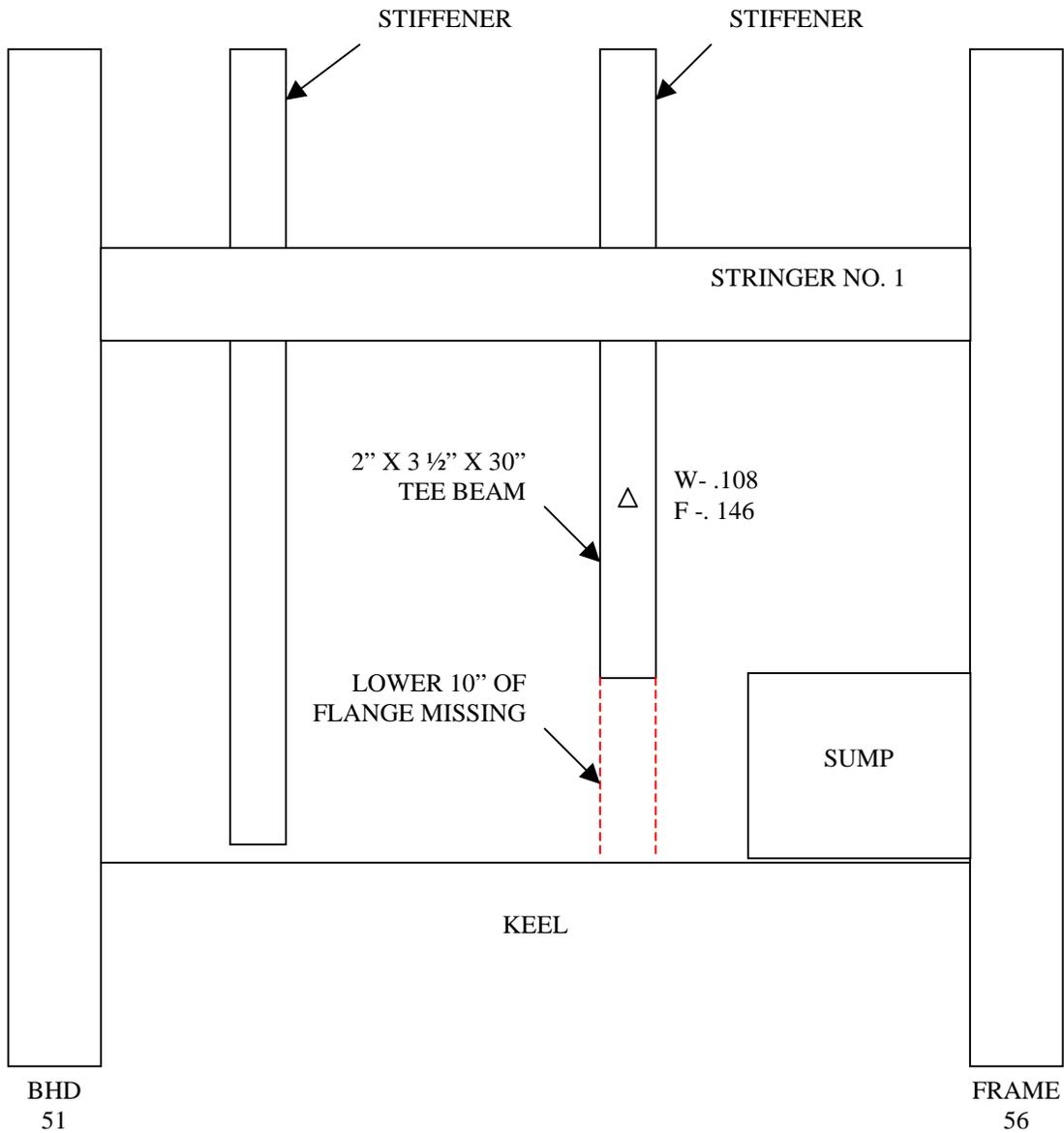
ITEM NUMBER				SHIP USS CARR (FFG-52)				
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 5-51-0-Q	WORK CENTER EM04	JSN P334		
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4.S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON			
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE			
MAN HRS EXPENDED 2	MAN HRS REMAINING 100	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY			
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE			
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPARTMENT 5-51-0-Q THE INTERMEDIATE								
TRANSVERSE STIFFENER FORWARD OF FRAME 56 IS WASTED.								
RECOMMENDED REPAIRS: CROP OUT AND REPLACE TEE BEAM F 2", W 3 1/2 " L 30" ON STBD SIDE FROM KEEL TO THE FIRST STRINGER UP. THIS TEE BEAM IS WELDED TO SHELL AND SHOULD BE REPLACED IN DRY DOCK MECHANICALLY CLEAN AND PAINT TO MATCH SURROUNDING AREA.								
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI								
CSMP SUMMARY: STIFFENER WASTED					TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT: NONE								
PART NO.	NOMEMCLATURE			QTY	NSN		COST	
1								
2								
3								
4								
5								
6								
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE			
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT QED SYSTEMS INC.				TD	TL	LOGISTICIAN	TSP	

USS CARR (FFG-52)
EDUCTOR ROOM (5-51-0-Q)
STBD SIDE



A 2"X3 ½"X30" STIFFENER GOING FROM THE KEEL TO THE 1ST STRINGER FWD OF FRAME 56 IS MISSING THE LOWER 10" OF THE FLANGE

USS CARR (FFG-52)
EDUCTOR ROOM
(5-51-0-Q)



EDUCTOR ROOM STBD SIDE

WEB	0.144
MINIMUM	0.108
FLANGE	0.171
MINIMUM	0.128

F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/13/01

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 4-172-1-E	WORK CENTER EM04	JSN P340	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 50	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 4-172-1-E FIRE PUMP RM IN BILGE OUTBD							
STBD AT MARGIN PLATE COATING SYSTEM BREAKDOWN, ZINC ANODE WASTED.							
RECOMMENDED REPAIRS:							
POWER TOOL CLEAN THE MARGIN PLATE AND BILGE POCKET, REPLACE ZINC ANODE AND PAINT TO MATCH THE SURROUNDING AREA.							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: COATING SYSTEM BREAKDOWN					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK / A. WRIGHT OED SYSTEMS INC.				TD	TL	LOGISTICIAN	
						TSP	

USS CARR (FFG-52)
FIRE PUMP ROOM (4-172-1-E)
STBD SIDE



HEAVY SCALING AND FLAKING IN WEB OF FRAME 172



HEAVY SCALING AND FLAKING
ON MARGIN PLATE AFT OF
BHD 172

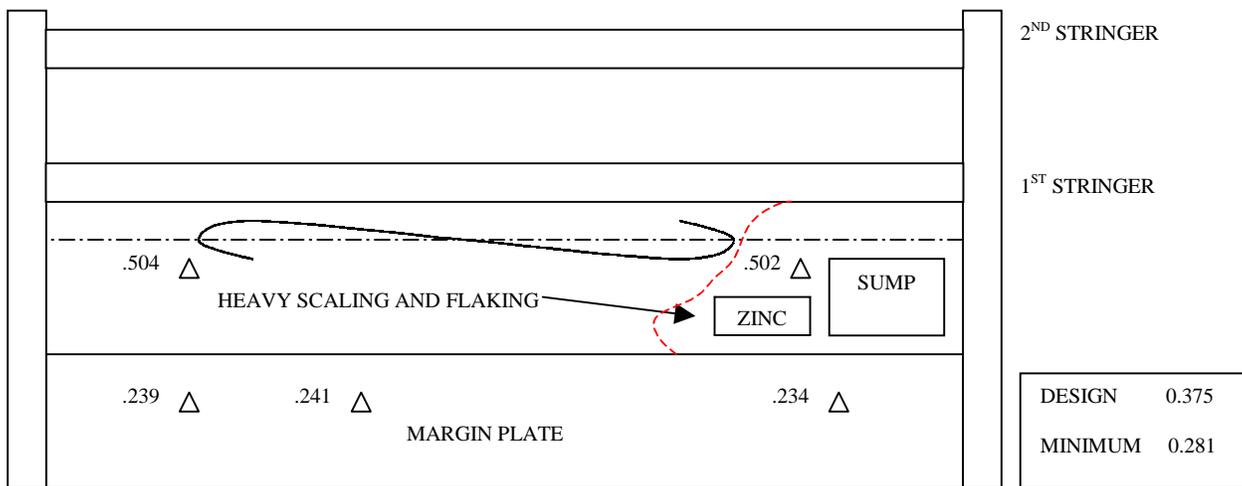


ZINC BLOCK FWD OF FRAME 180
BY SUMP WASTED AND NEEDS
TO BE REPLACED

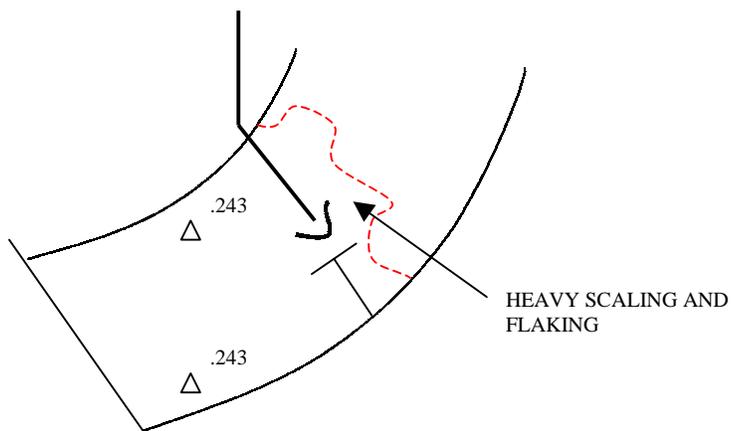
**USS CARR (FFG-52)
FIRE PUMP ROOM
(4-172-1-E)**

BHD 172

BHD 180



STBD SIDE



BHD 172 LOOKING AFT

DESIGN	0.250
MINIMUM	0.187

**F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/13/01**

MATERIAL ASSESSMENT FORM

ITEM NUMBER				SHIP USS CARR (FFG-52)				
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 4-160-0-Q	WORK CENTER EM04	JSN P341		
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS		CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE		1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 40	COMPLETED ACTION TAKEN			S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL			1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 4-160-0-Q THE WEB IN FRAME 160								
WHERE IT MEETS THE MARGIN PLATE HAS A SEVEN INCH HOLE IN IT. THIS IS A NON WATER TIGHT FRAME.								
RECOMMENDED REPAIRS: REPLACE APPROX 1 SQ FT OF WEB AND PROVIDE FOR A PROPER LIMBER HOLE PAINT TO MATCH SURROUNDING AREA.								
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI								
CSMP SUMMARY: WEB WASTED					TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT: NONE								
PART NO.	NOMEMCLATURE			QTY	NSN		COST	
1								
2								
3								
4								
5								
6								
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER			RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT OED SYSTEMS INC.				TD	TL	LOGISTICIAN	TSP	

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 4-160-0-Q	WORK CENTER EM04	JSN P843	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4.S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 20	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 4-160-0-Q THE DECK AREA BEHIND THE							
CHT TANK AND THE TWO MAN HOLE COVERS HAS SCALE AND FLAKING RUST.							
RECOMMENDED REPAIRS: MECHANICAL CLEAN AND PAINT TO MATCH SURROUNDING AREA LOCATED AT FRAME 180.							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: COATING SYSTEM BREAKDOWN.					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT QED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 4-160-0-Q	WORK CENTER EM04	JSN P345	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 100	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 4-160-0-Q THE PRC DECKING ON THE							
TANK TOP IS RAISING BLISTERS INDICATING FAILURE. PORT SIDE OF CHT TANK AND MARGIN PLATE PORT SIDE.							
RECOMMENDED REPAIRS: REMOVE APPROX 100 SQ FT OF PRC DECKING AND POWER TOOL CLEAN DECK AND U/T DECK/ TANK TOP TO DETERMINE ANY PLATE LOSS							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: PRC DECKING BLISTERING				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION: H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT: MINOR							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT QED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

USS CARR (FFG-52)
SEWAGE COLLECTING, HOLDING AND BOILING ROOM
(4-160-0-Q)

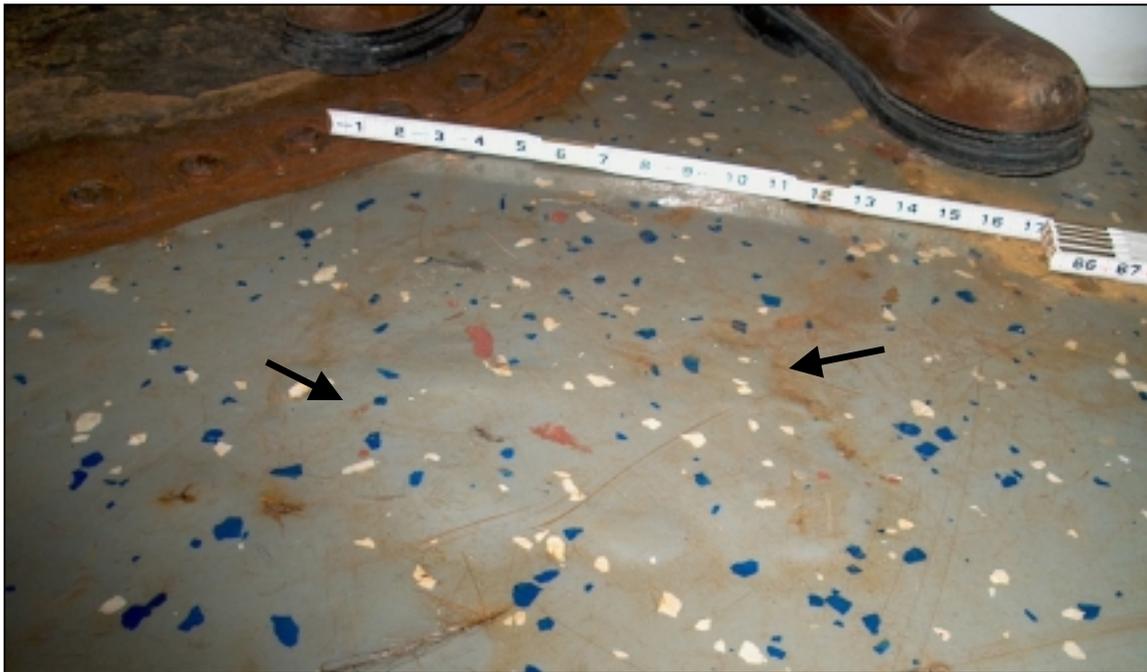


HOLE IN FRAME 160 BETWEEN MARGIN PLATE AND 1ST STRINGER



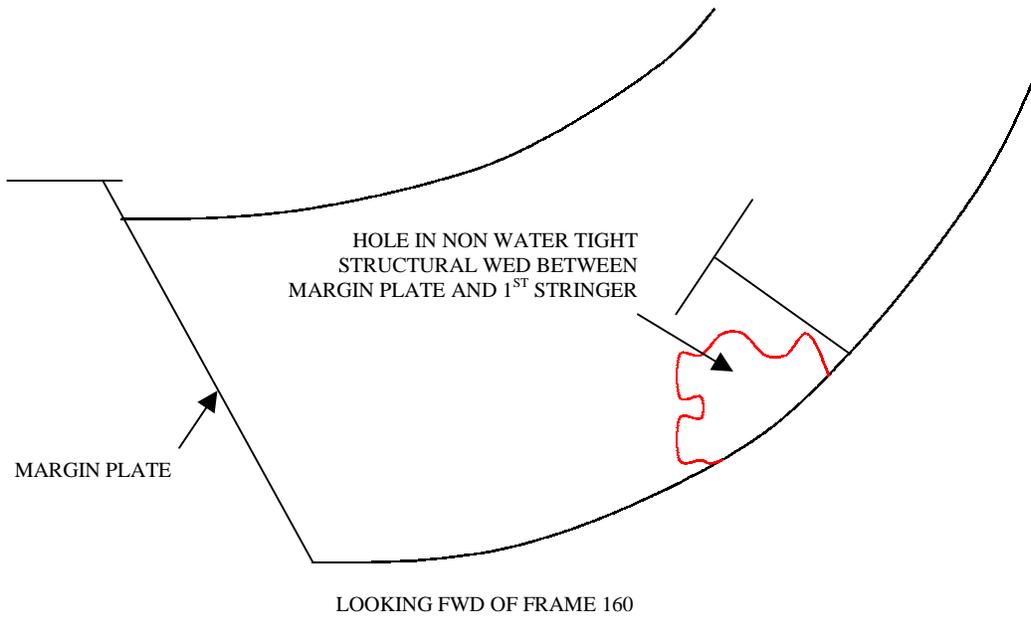
CORROSION AREA BEHIND CHT TANK

USS CARR (FFG-52)
SEWAGE COLLECTING, HOLDING AND BOILING ROOM
(4-160-0-Q)



PRC DECKING PORT SIDE BETWEEN MANHOLE COVER AND MARGIN PLATE
BLISTERED

USS CARR (FFG-52)
CHT ROOM
(4-160-0-Q)

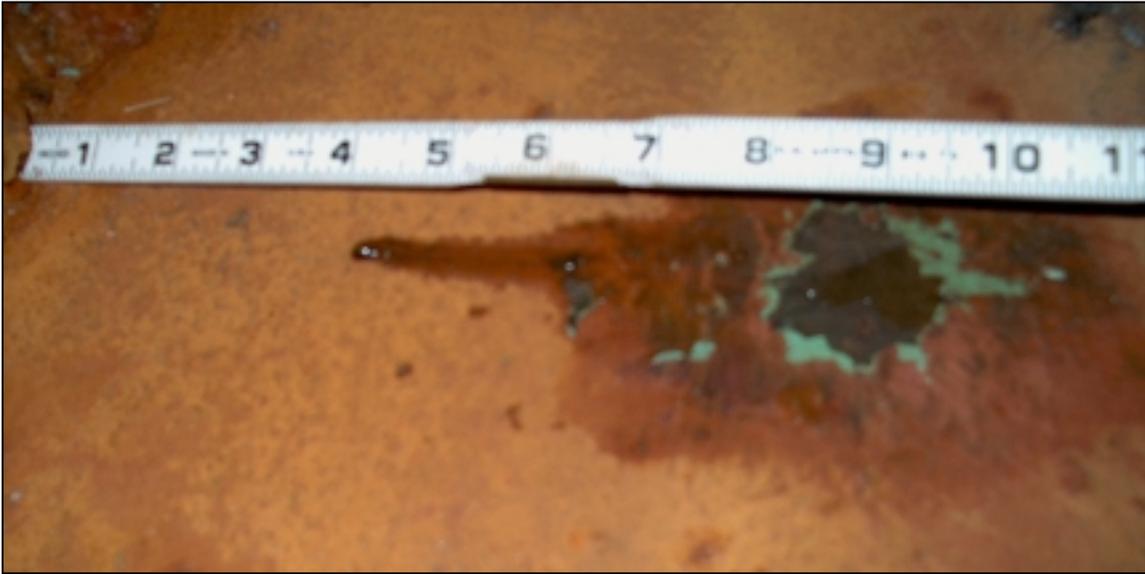


F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/14/01

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 4-100-0-E	WORK CENTER EM04	JSN P476	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 150	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 4-100-0-E THE MARGIN PLATES ON							
PORT AND STBD AND THE AREA BETWEEN THE MARGIN PLATE AND 1 ST STRINGER THE COATING SYSTEM HAS BROKEN DOWN. THERE IS A PIT ON THE PORT MARGIN PLATE AND A PIT ON THE STBD MARGIN PLATE.							
RECOMMENDED REPAIRS:							
POWER TOOL CLEAN MARGIN PLATES AND ADJACENT BILGE POCKET. CLAD WELD THE TWO PITTER AREAS AND RECOAT TO MATCH THE SURROUNDING AREA.							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: COATING SYSTEM HAS BROKEN DOWN					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK / A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

USS CARR (FFG-52)
APU MACHINERY ROOM
(4-100-0-E)



HEAVY SCALE AND PITTED AREA ON MARGIN PLATE PORT SIDE

USS CARR (FFG-52)
APU MACHINERY ROOM
(4-100-0-E)



SCALED AREA WITH PIT ON MARGIN PLATE STBD SIDE



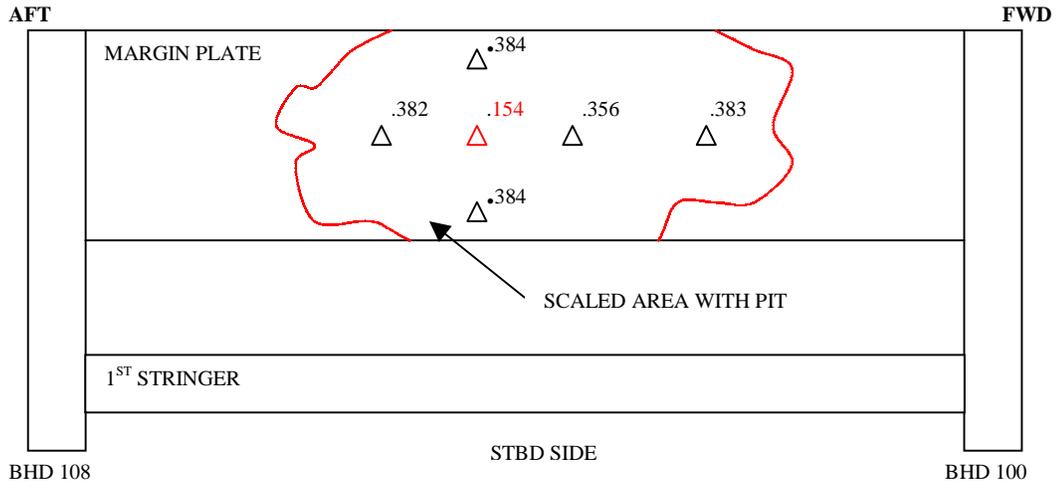
HEAVY SCALING AND FLAKING ON BHD 108 LOOKING AFT

USS CARR (FFG-52)
APU MACHINERY ROOM
(4-100-0-E)

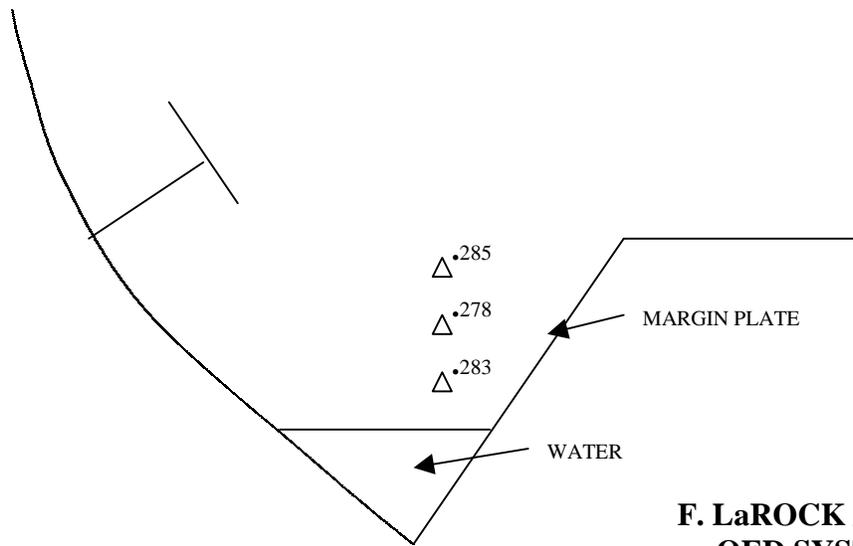
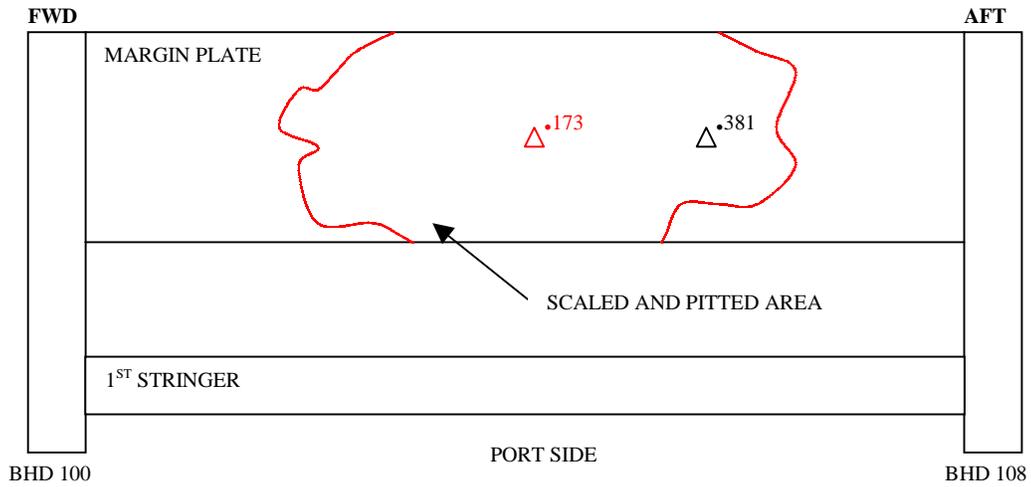


HEAVY SCALING AND FLAKING ON BHD 108 LOOKING AFT

**USS CARR (FFG-52)
APU MACHINERY ROOM
(4-100-0-E)**



DESIGN	0.375
MINIMUM	0.281



DESIGN	0.313
MINIMUM	0.234

**F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/14/01**

MATERIAL ASSESSMENT FORM

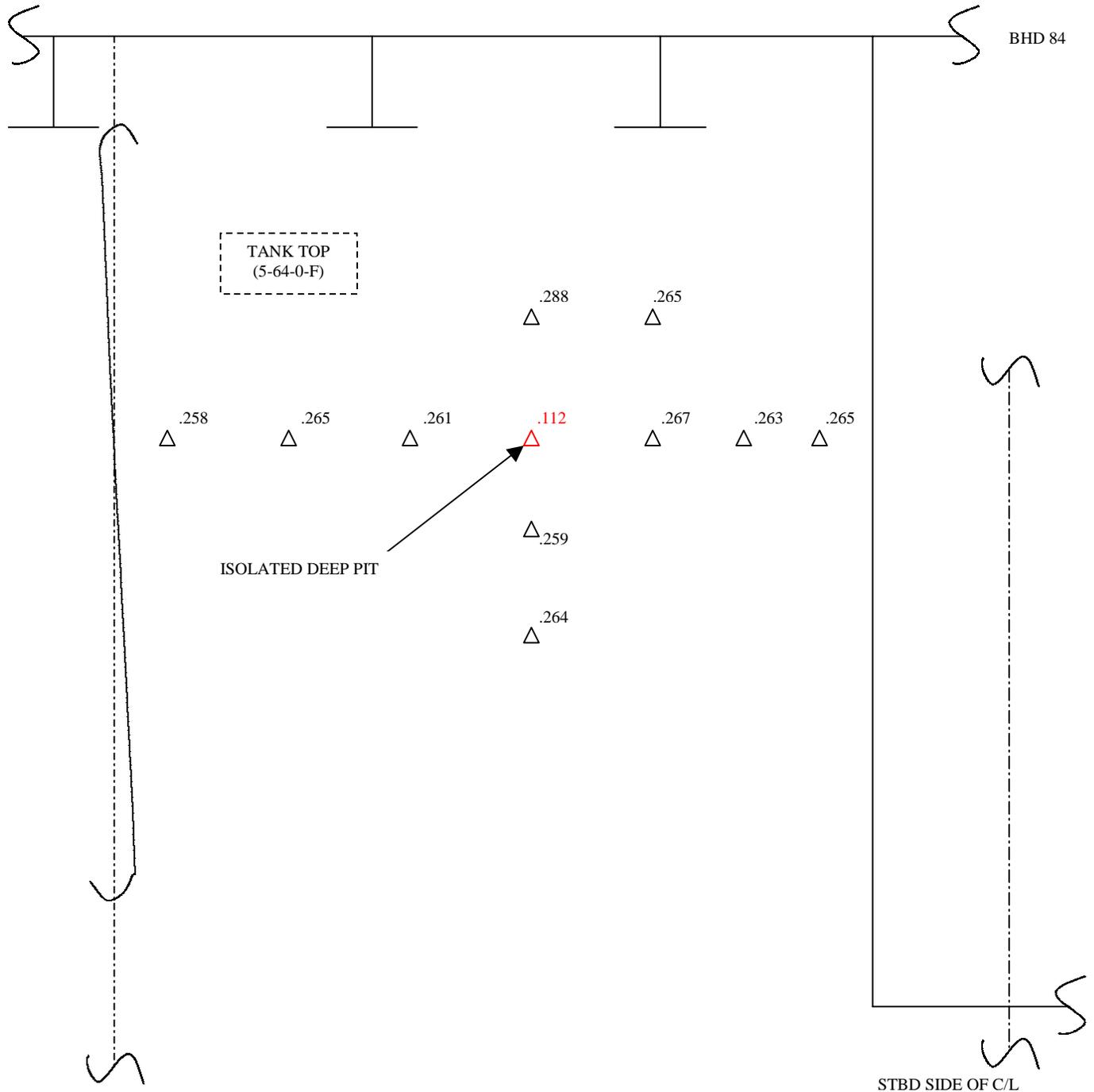
ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 4-64-0-Q	WORK CENTER EM04	JSN P477	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC .9	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 40	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 4-64-0-Q THE DECK ON THE STBD SIDE OF							
BARBETTE 34" FWD OF BHD 84 AND 18" FROM THE BARBETTE THERE IS A DEEP PIT IN THE TANK TOP OF 5-64-0-F							
RECOMMENDED REPAIRS:							
WHEN THE TANK IS EMPTY AND GAS FREED CLAD WELD THE PIT OR REPLACE 1 SQ FT OF 0.250 PLATE							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: TANK TOP PITTED					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK / A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

USS CARR (FFG-52)
MAGAZINE SERVICE ROOM INCLUDING N2 CHARGING STATION
(4-64-0-Q)



ISOLATED DEEP PIT ON STBD SIDE OF C/L ON TANK TOP (5-64-0-F)

USS CARR (FFG-52)
MAGAZINE SERVICE ROOM INCLUDING N2 CHARGING STATION
(4-64-0-Q)



DESIGN	0.250
MINIMUM	0.187

F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/14/01

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L		
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 3-328-0-A	WORK CENTER EM04	JSN P475		
EQUIPMENT STATUS		PROBLEM STATUS	CATEGORY			EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS	1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON			
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE			
MAN HRS EXPENDED 2	MAN HRS REMAINING 100	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 3-328-0-A THE MARGIN PLATE ON							
POTABLE WATER TANK 5-328-1-W IS BOWED OUTWERD APPROX 3"							
RECOMMENDED REPAIRS:							
INSPECT TANK FOR SPIDER CRACKS IN THE BOWED OUT MARGIN PLATE, CONDUCT AN AIR TEST TO PROVE THE TANKS STRUCTURAL INTEGRITY							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: MARGIN PLATE BOWED BOWED				TEST# MRC 1102/1			
ROOT CAUSE/AMPLIFICATION: H1				STEP# 1,2,3,4 & 5			
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

USS CARR (FFG-52)
COMB. SUPPLY DEPT STRM
(3-328-0-A)



MARGIN PLATE ON WATER TANK (5-328-1-W) BOWED OUTWARD BETWEEN FORWARD
BHD 328 AND FR 332

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM PRESERVATIVE & COATING		ESWBS 63113	EIC UF06	APL N/A		RIN N/L	
EQUIPMENT NAME INTERIOR HULL		IDENT/SERIAL N/A		LOCATION 3-196-2-A	WORK CENTER SS02	JSN P006	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4.S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 4	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: PER SEMAT I UNDER WATER HULL ASSESSMENT							
IN COMPT 3-196-2-A THE MOISTURE RESISTENT COATING HAS PEELED FROM THE SHELL.							
RECOMMENDED REPAIRS:							
POWER TOOL CLEAN THE UPPER 4 FT BETWEEN FRAMES 196 AND 203 AND REPLACE COATING WITH THE VERMICULITE TYPE COATING SYSTEM.							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: COATING SYSTEM BREAKDOWN					TEST#		
ROOT CAUSE/AMPLIFICATION: H1					STEP#		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT COOPER	RATE MS1	SECOND CONTACT HOUDEK		RATE MS1	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

USS CARR FFG-52)
FOOD SERVICE OFFICE
(3-196-2-A)



COATING SYSTEM BREAKDOWN BETWEEN FRAMES 196 – 203 PORT SIDE

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)			
SYSTEM HULL DECKS		ESWBS 14011	EIC A501	APL X-SYSTEMS	RIN N/L
EQUIPMENT NAME REEFER DECK		IDENT/SERIAL N/A	LOCATION 3-188-0-L	WORK CENTER SS02	JSN 1766
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY	EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE	4. D - DOWN 5. L - LIMITED .9
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2	MAN HRS REMAINING 2000	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: PER SEMAT I UNDERWATER HULL ASSESSMENT SF					
WORK REQUEST SS02-1766, REQUESTED U/T SURVEY ON DECK OF COMPT 3-188-0-L, REEFER DECKS. SURVEY REVEALED A 24 SQ FT AREA OF PLATE TO BE BELOW THE MINIMUM OF 0.187 FOR 0.250 PLATE					
RECOMMENDED REPAIRS:					
CROP OUT AND REPLACE 24 SQ FT OF 0.250" PLATE, AFT END OF REEFER BOX TO LADDER WELL AND FROM BHD OF SWITCHGEAR ROOM TO APPROX 6' TO STBD. THIS DECK IS THE OVHD OF AC MACHINERY ROOM AND IS A WATER TIGHT DECK.					
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI					
CSMP SUMMARY: COMPT DECK THINNED				TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION: H1				STEP# 1,2,3,4 & 5	
SYSTEM LEVEL IMPACT: MODERATE					
PART NO.	NOMENCLATURE		QTY	NSN	COST
1					
2					
3					
4					
5					
6					
FIRST CONTACT COOPER	RATE MS1	SECOND CONTACT HOUDEC	RATE MS1	PHONE	
ASSESSOR / ACT / TECH ID# F. LaROCK / A. WRIGHT OED SYSTEMS INC.			TD	TL	LOGISTICIAN
					TSP

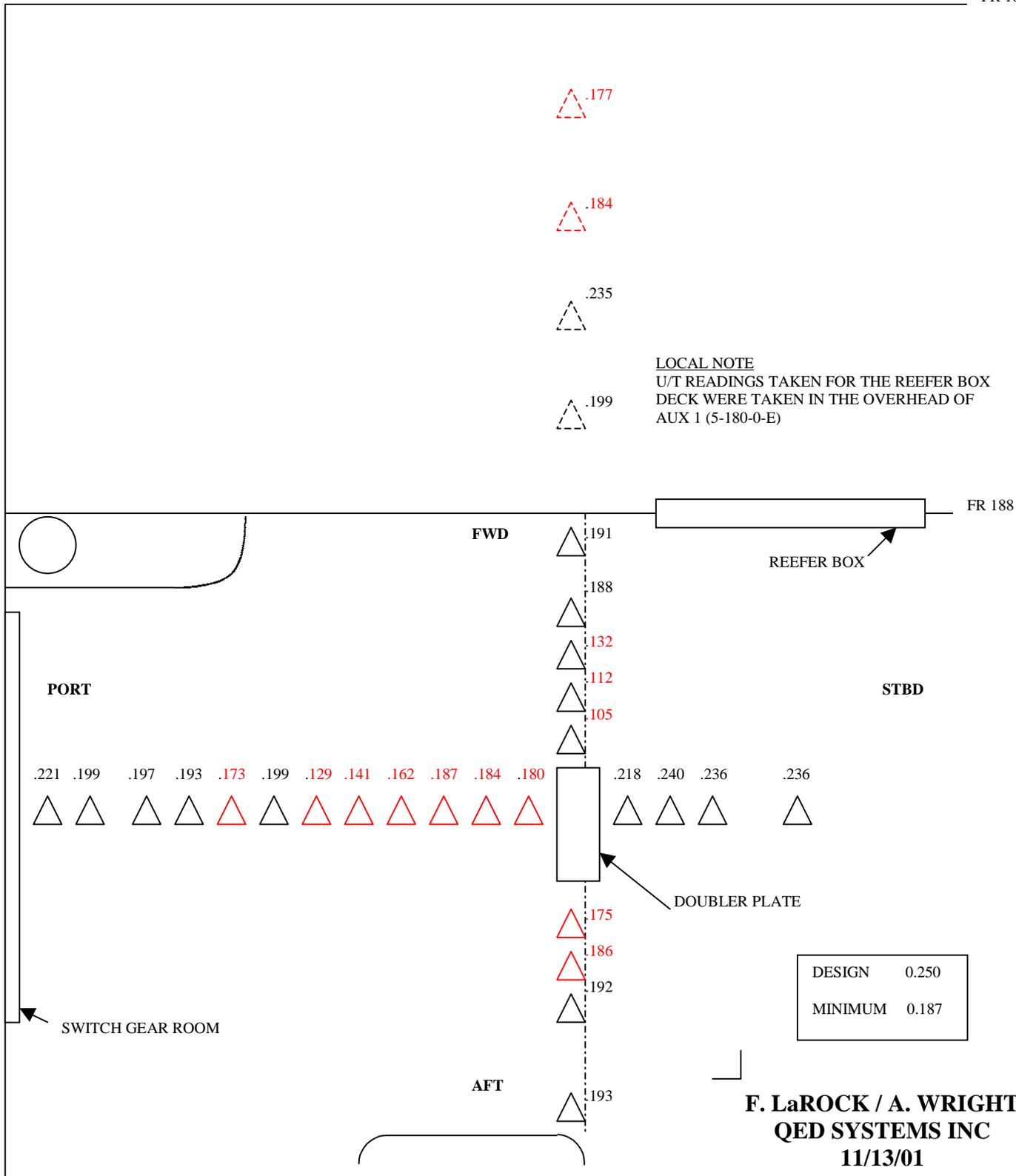
USS CARR (FFG-52)
REEFER DECK
(3-188-0-L)



DOUBLER PLATE (3" X 11") 18" AFT FROM FREEZE BOX (3-180-0-A) AND 50" STBD OF SWITCH GEAR ROOM DOOR (3-180-2-C)

USS CARR (FFG-52)
REEFER DECK
(3-188-0-L)

FR 180



F. LaROCK / A. WRIGHT
QED SYSTEMS INC
11/13/01

USS CARR (FFG-52)
REEFER DECK
(3-188-0-L)



REEFER DECK SHOWS HEAVY RUST, SCALING AND PITTING. DOUBLER PLATE (3" X 11")
18" AFT FROM FREEZE BOX (3-180-0-A) AND 50" STBD OF SWITCH GEAR ROOM DOOR
(3-180-2-C)

USS CARR (FFG-52)
REEFER DECK
(3-188-0-L)



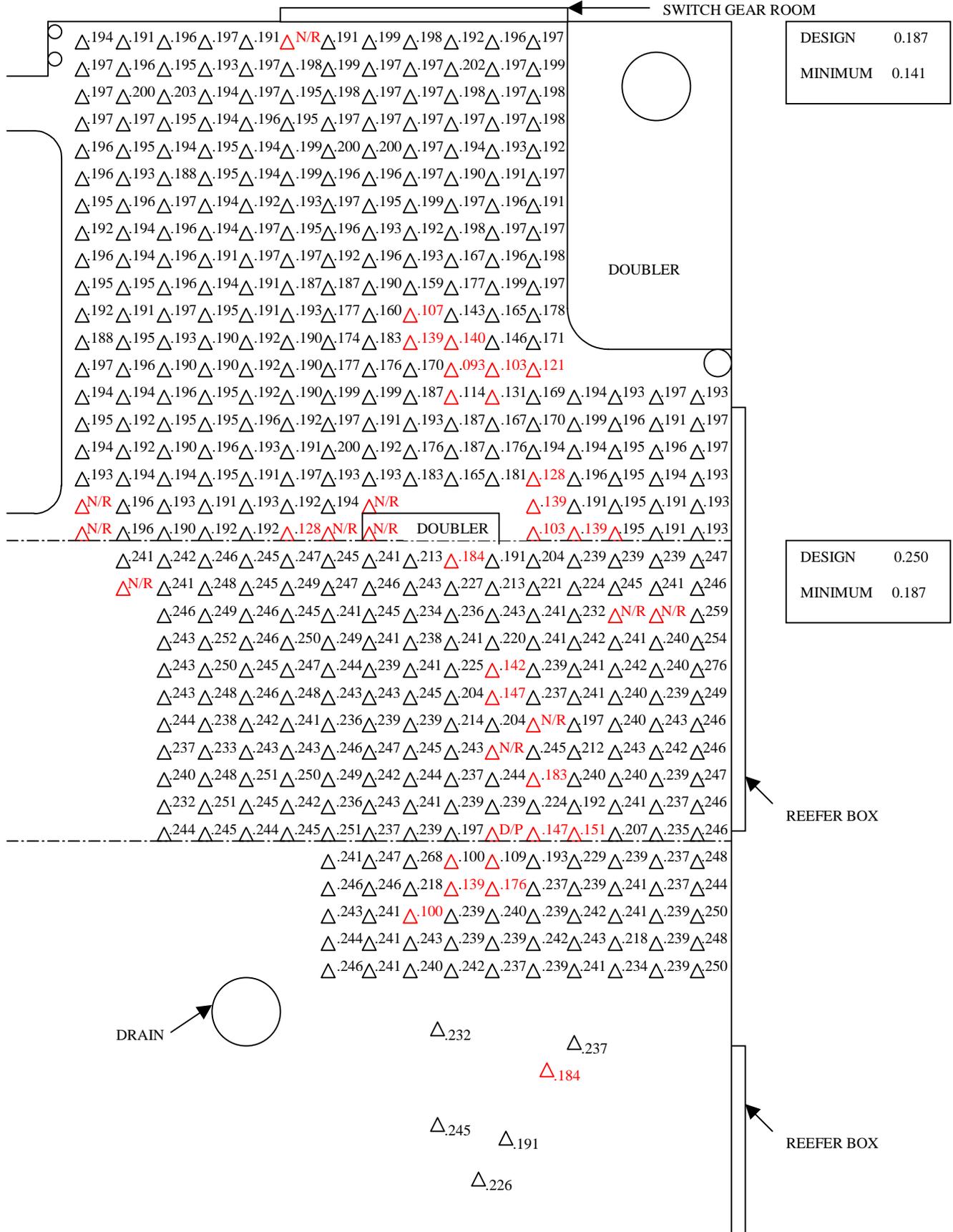
REEFER DECK SHOWS HEAVY RUST, SCALING AND PITTING IN FRONT OF FREEZE BOXES

USS CARR (FFG-52)
REEFER DECK
(3-188-0-L)



REEFER DECK SHOWS HEAVY RUST, SCALING AND PITTING IN FRONT OF FREEZE BOXES

**USS CARR (FFG-52)
REEFER DECK (3-188-0-L)**



MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 3-84-0-E	WORK CENTER EM04	JSN P338	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 40	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 3-84-0-E THE SHELL INSULATION IS DAMP AND SET OFF THE MOISTURE METER ALARM. WASTER SLEEVE FLANGE IS LEAKING ON INSULATION.							
RECOMMENDED REPAIRS: REPAIR LEAKING FLANGE. REMOVE INSULATION BETWEEN FRAMES 84 AND 92 PORT SIDE REPLACE APPROX 16 SQ FT FROM DECK UP TO 2 ND STRINGER.							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: INSULATION DAMP					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT QED SYSTEMS INC.			TD	TL	LOGISTICIAN	TSP	

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS CARR (FFG-52)					
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A		LOCATION 3-84-0-E	WORK CENTER EM04	JSN P346	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY		EOC	
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4.S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED		.9	
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE		
MAN HRS EXPENDED 2	MAN HRS REMAINING 100	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE		
DISCREPANCY DESCRIPTION: PER SEMAT I UNDERWATER HULL ASSESSMENT: IN COMPT 3-84-0-E THE COATING SYSTEM ON THE DECK TO PORT AND BEHIND THE CHILLER IS BROKEN DOWN. THE AREA IS INACCESSABLE AND UNABLE TO U/T THE DECK.							
RECOMMENDED REPAIRS: THE CHILLER MUST BE REMOVED TO PROVIDE ACCESS TO THIS AREA. POWER TOOL CLEAN AND PRESERVE THE AREA. RECOAT TO MATCH SURROUNDING AREA.							
SSPORT C221 POC: A. DAVIS (757) 396-4001 EXT 2130 , TPOC: N. TAGLIANETTI							
CSMP SUMMARY: COATING SYSTEM BREAKDOWN					TEST# MRC 1102/1		
ROOT CAUSE/AMPLIFICATION: H1					STEP# 1,2,3,4 & 5		
SYSTEM LEVEL IMPACT: NONE							
PART NO.	NOMEMCLATURE			QTY	NSN	COST	
1							
2							
3							
4							
5							
6							
FIRST CONTACT MILLER	RATE DCC	SECOND CONTACT SPENCER		RATE ENS	PHONE		
ASSESSOR / ACT / TECH ID# F. LaROCK/ A. WRIGHT QED SYSTEMS INC.				TD	TL	LOGISTICIAN	
						TSP	

USS CARR (FFG-52)
A/C MACHINERY ROOM (3-84-0-E)
PORT SIDE

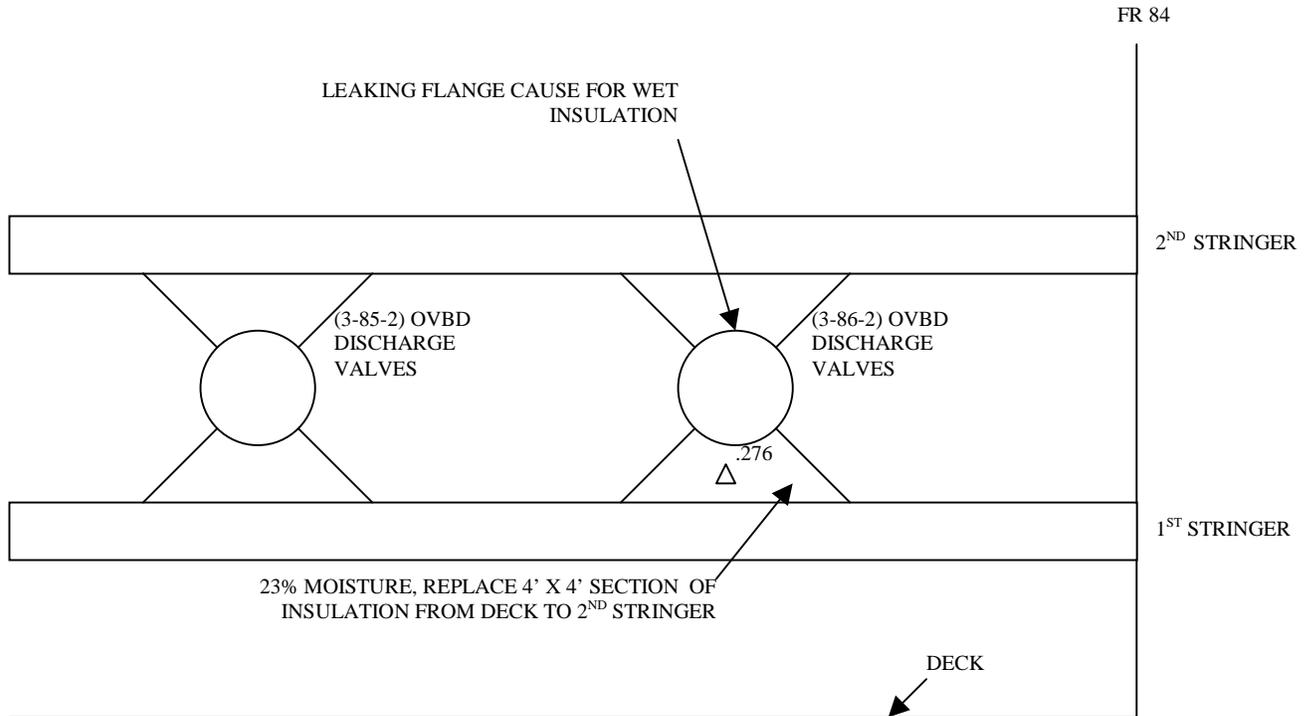


LAGGING WET (23% MOISTURE) CAUSED BY LEAKING FLANGE (3-86-2)
AFT OF FRAME 84 REPLACE 4' X 4' SECTION OF LAGGING FROM DECK
TO 2ND STRINGER



OUTBD AND BEHIND NO. 1 CHILLER FOUNDATION PORT SIDE HAS
HEAVY SCALE ON DECK FWD OF FRAME 100 (AREA INEXCESSABLE
TO U/T INSPECTION)

USS CARR (FFG-52)
A/C MACHANERY ROOM
(3-84-0-E)



A/C MECHANERY ROOM (3-84-0-E) LOOKING PORT

DESIGN	0.313
MINIMUM	0.235

F. LaROCK / A.WRIGHT
QED SYSTEMS INC
11/13/01



4646 WITCHDUCK ROAD
VIRGINIA BEACH, VA. 23455-6215
PHONE: 757-490-5000
FAX: 757-490-5027

20 November 2001
Serial #1697AY-084

MEMORANDUM:

From: Francis J. LaRock
To: SUPSHIP Portsmouth

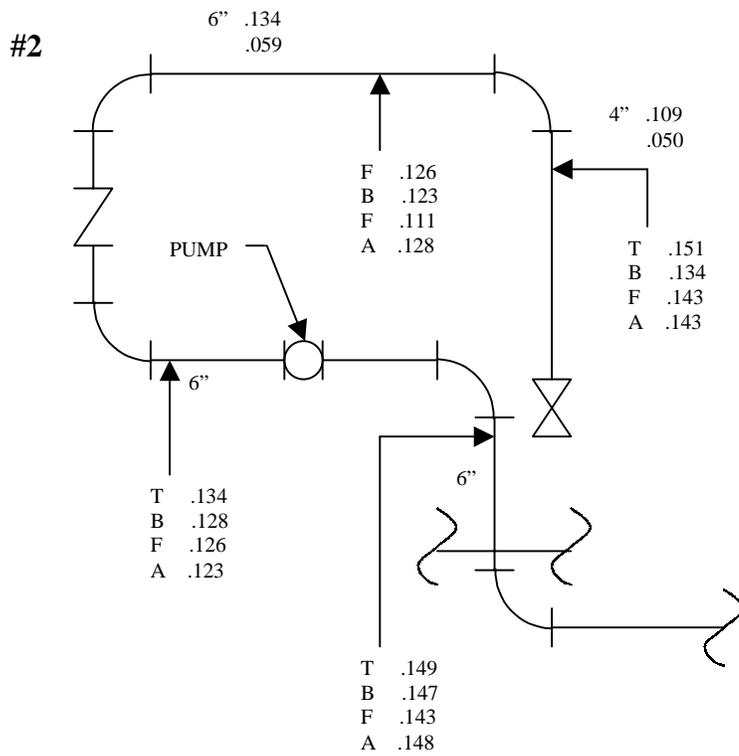
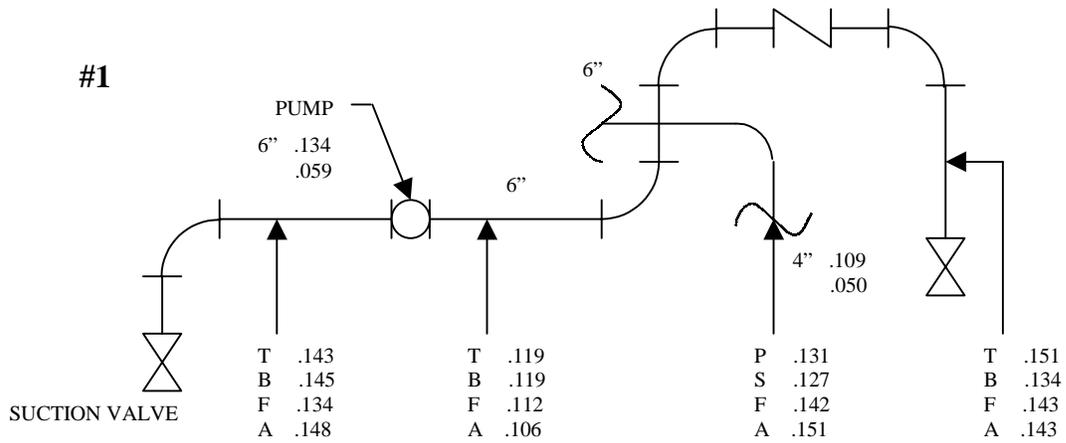
Subj: ULTRASONIC THICKNESS (U/T) READINGS ON FIRE PUMPS SUCTION AND DISCHARGE PIPING

The result of Ultrasonic Thickness (U/T) Reading services on fire pump suction and discharge piping are attached. The piping tested satisfactory. The elbows and reducer fittings are cast and it is not possible to get a good reliable reading.

Grant
Francis J. LaRock
Certified Level II – 9 March 2001
Q.E.D. Systems, Inc.
Meter KrautKramer
DMS
Ser. 700744
Cal. Date – 23 June 2001
Probe FH2E

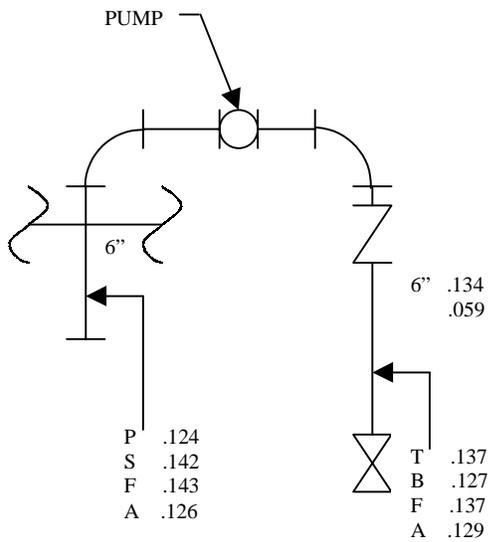
Attachments (2)

USS CARR (FFG-52)
FIRE PUMPS 1 & 2
18 NOVEMBER 2001

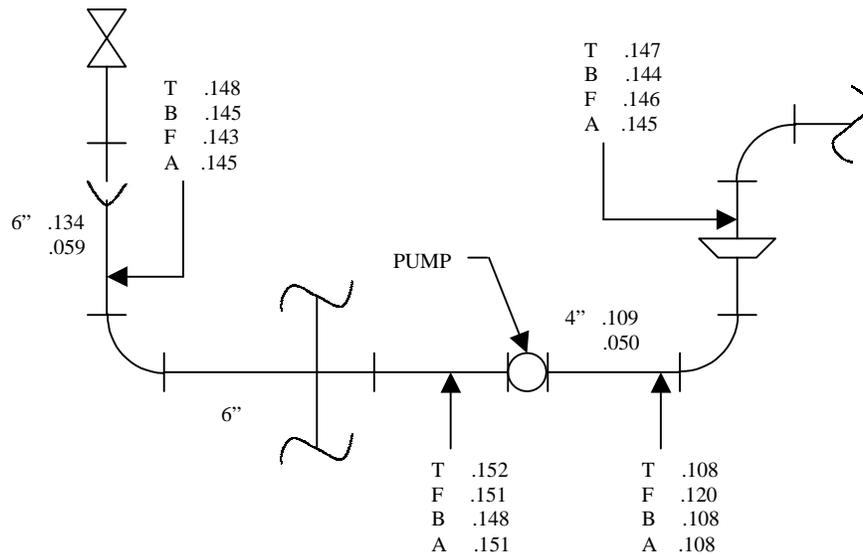
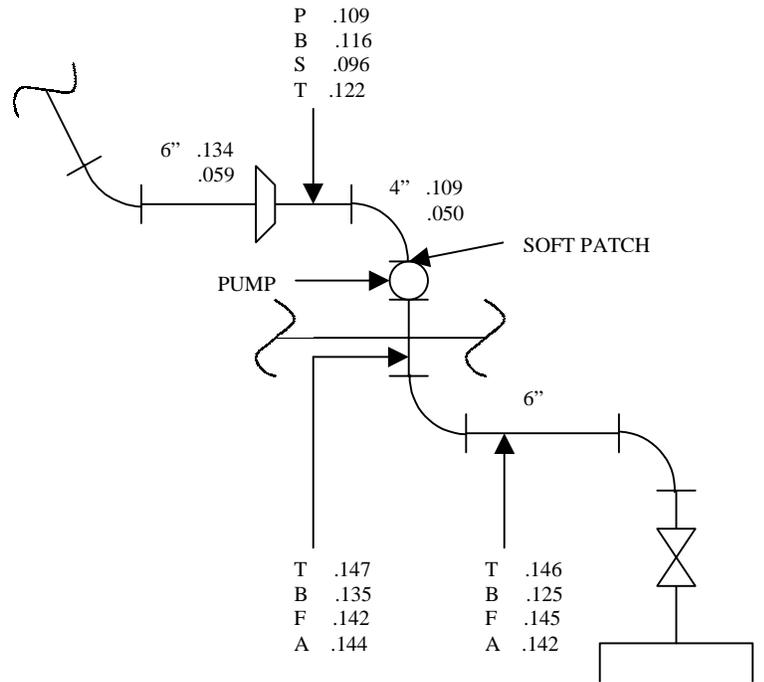


**USS CARR (FFG-52)
FIRE PUMPS 3, 4 & 5
18 NOVEMBER 2001**

#3



#4



FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-20-0-Q	N	N	Y		SPACE REQUIRES GAS FREE
3-32-2-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-32-1-K	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-36-2-T	Y	N	Y		(100% OF SHELL ASSESSABLE)
3-40-2-A	Y	Y	Y		
3-46-1-A	Y	Y	Y		INSULATION 1" DOWN FROM OVHD
3-48-2-A	Y	Y	Y		
3-53-2-A	Y	N	Y		
3-56-0-A	Y	Y	Y		
3-64-2-V	NOT DURING SHIP CHECK	N	Y		SPACE REQUIRES GAS FREE
3-64-1-V	NOT DURING SHIP CHECK	N	Y		SPACE REQUIRES GAS FREE

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-84-0-E	Y	Y	Y	FRS 84-100 STBD SIDE SHELL, DECK TO OVERHEAD FR 95, PORT SIDE, ON TANK TOP	ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE SHELL ASSESSABLE) ACCESSIBLE HIDDEN LAGGED 100% (ACCESSIBLE AREA - STBD FWD BHD 84 TO FRAME 100)
3-93-1-Q	Y	Y	Y		ACCESSIBLE LAGGING 100% STBD SIDE
3-100-0-L	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA PORT AND STBD FROM FRAME 115 TO AFT BHD 140, 6' 3" OFF DECK - BUNKS)
3-100-1-L	Y	Y	Y		ACCESSIBLE LAGGING 100%
3-113-0-L	Y	Y	Y	FR 113-124, STBD SIDE OF SHELL, DECK TO OVERHEAD	LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAME 113 TO 123)
3-140-2-L	Y	Y	Y		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAME 140 TO 155)

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-140-1-L	Y	Y	Y		LAGGING 100% AND SS 50% (SS INSTALLED 49" OFF DECK, FRAMES 140 TO 155)
3-144-0-L	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA, PORT & STBD FRAME 165 TO 180, 6'3" OFF DECK BUNKS)
3-159-2-Q	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT SIDE SHELL ASSESSABLE)
3-155-1-Q	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-180-2-C	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-180-5-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-196-2-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
3-236-1-F	N	N	Y		SPACE REQUIRES GAS FREE
3-236-2-F	N	N	Y		SPACE REQUIRES GAS FREE
3-240-1-F	N	N	Y		SPACE REQUIRES GAS FREE

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3RD DECK					
3-240-2-F	N	N	Y		SPACE REQUIRES GAS FREE
3-272-2-F	N	N	Y		SPACE REQUIRES GAS FREE
3-272-1-F	N	N	Y		SPACE REQUIRES GAS FREE
3-278-1-F	N	N	Y		SPACE REQUIRES GAS FREE
3-278-2-F	N	N	Y		SPACE REQUIRES GAS FREE
3-286-2-F	N	N	Y		SPACE REQUIRES GAS FREE
3-286-1-F	N	N	Y		SPACE REQUIRES GAS FREE
3-292-8-F	N	N	Y		SPACE REQUIRES GAS FREE
3-316-1-J	N	N	Y		SPACE REQUIRES GAS FREE
3-322-1-J	N	N	Y		SPACE REQUIRES GAS FREE
3-328-0-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4TH DECK					
4-H-0-V	N	N	Y		SPACE REQUIRES GAS FREE
4-20-0-W	N	N	Y		SPACE REQUIRES GAS FREE
4-27-0-V	N	N	Y		SPACE REQUIRES GAS FREE FR 27 FR 32 P/S FROM 3' UP 26' 4 1/16
4-32-0-Q	Y	Y	Y		
4-48-2-L	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-48-1-Q	Y	Y	Y	FR 49-55 STBD SIDE OF SHELL, 4'-0' OFF DECK	ACCESSIBLE HIDDEN LAGGED 100% (NOT ACCESSIBLE AREA FRAME 50 TO AFT BHD 56, 4'-0' OFF DECK HEATEX & PPG)
4-56-2-A	Y	N	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-56-0-M	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4TH DECK					
4-64-0-Q	Y	N	Y		
4-100-0-E	Y	Y	Y	FR 100-101 STBD SIDE OF SHELL 6'BELOW GRATING	ACCESSIBLE HIDDEN LAGGED 100% (100% OF PORT & STBD SHELL ASSESSABLE DOWN TO DECK PLATE LEVEL)
4-140-0-Q	Y	Y	N	TANK TOP FOR 5-140 & 5-164-2F	ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
4-140-2-A	Y	Y	N		
4-140-3-A	Y	N	Y	TANK TOP FOR 5-140 & 5-164-2F	STAINLESS STEEL 100% (100% OF PORT SIDE SHELL ASSESSABLE) ACCESSIBLE HIDDEN LAGGED 100%(100% OF SHELL ASSESSABLE)
4-151-1-A	N	Y	N		ACCESS BLOCKED BY SHIPYARD HOSES
4-152-1-A	Y	N	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4TH DECK					
4-160-0-Q	Y	N	Y		100% OF PORT AND STBD SHELL ASSESSABLE
4-172-1-E	Y	Y	Y	FR 174-180 STBD OF SHELL 6" BELOW GRATING BETWEEN L7-L9	100% OF PORT & STBD SHELL ASSESSABLE

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
<u>5TH DECK</u>					
5-FF-0-V	N	N	N		INACCESSIBLE VOID FR 18 - FR 32, P/S. FROM STEM UP 4FT. FR 5 - FR 18, P/S. FROM STEM UP ~6FT; FR E - 12, P/S. FROM STEM UP ~10FT
5-32-0-W	N	N	Y		SPACE REQUIRES GAS FREE
5-51-0-Q	Y	Y	Y		100% OF PORT & STBD SHELL ASSESSABLE
5-56-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-64-0-F	N	N	Y		SPACE REQUIRES GAS FREE
5-84-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-84-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-100-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-100-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-100-4-F	N	N	Y		SPACE REQUIRES GAS FREE
5-100-3-F	N	N	Y		SPACE REQUIRES GAS FREE
5-116-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-116-1-F	N	N	Y		SPACE REQUIRES GAS FREE

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
51/2-116-0-V	N	N	N		INACCESSIBLE VOID FR 116 - FR 132, P/S FROM KEEL UP ~4FT
5-132-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-137-1-T	N	N	N		SPACE REQUIRES GAS FREE
5-140-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-140-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-164-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-164-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-164-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-170-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-180-0-E	Y	Y	Y	FRAME 180, PORT 15'-0" OFF CL,8'	SHELL NON-ASSESSABLE ON PORT SIDE FRAME 180 TO 195, FRAME 204 TO 212, OVERHEAD TO BILGE, TANK & FND
5-180-01-E	Y	Y	Y		100% OF STBD SHELL ASSESSABLE
5-192-2-F	N	N	Y		SPACE REQUIRES GAS FREE
5-201-1-F	N	N	Y		SPACE REQUIRES GAS FREE
5-201-3-F	N	N	Y		SPACE REQUIRES GAS FREE

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-204-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-204-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-212-0-E(UL)	Y	Y	Y	FRS 215-220 PORT SIDE OF SHELL, U/L BETWEEN L13-L14	ACCESSIBLE HIDDEN LAGGED UPPER LEVEL. (NOT ACCESSIBLE AREA, PORT SIDE FRAME 220 TO 224, 5'-0" OFF U/L GRATING VOLTAGE REGULATOR)
5-212-0-E(LL)	Y	Y	Y		ASSESSABLE HIDDEN, LAGGED LOWER LEVEL, ACCESSIBLE AREA PORT FRAME 212 TO 228, L10 TO BILGE AREA, STBD FRAME 212 TO 228 L8 TO BILGE AREA. (NOT ACCESSIBLE AREA - PORT & STBD FRAME 228 TO 250, FROM U/L TO BILGE AREA FUEL OIL HEATER)
5-220-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-222-1-F	N	N	N		SPACE REQUIRES GAS FREE

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-226-2-E	Y	Y	Y		SHELL NON-ASSESSABLE FRAME 225 TO 229, 4'-2" OFF U/L GRATING, FRAME 235 TO 250, 6'-3" OFF U/L GRATING - AIR FLASK, MANIFOLD & FUEL TANK, UPPER 15" INSULATED
5-226-1-E	Y	Y	Y		SHELL NON-ASSESSABLE FRAME 225 TO 229, 4'-2" OFF U/L GRATING, FRAME 235 TO 250, 6'-3" OFF U/L GRATING, AIR FLASK, MANIFOLD & FUEL TANK, UPPER 15" INSULLATED
5-250-0-E	Y	Y	Y	FR 271-272 PORT SIDE OF SHELL TOP OF L0 TANK TOP	LAGGED EXCEPT FOR BILGE AREA, AT 18" ABOVE GRATING INTO BILGE AREA, SHELL NON-ASSESSABLE ON PORT 1'-0" AFT OF FRAME 270 TO FRAME 292, FROM 5'-0" OFF GRATING, STBD FRAME 265 TO 270 FROM 1'-0" FROM OVERHEAD TO 6" BELOW GRATING, 14" AFT OF FRAME 270 TO 273, 5'-0" OFF GRATING POWER PANELS

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-250-0-E (CONT'D)	Y	Y	Y	FR 250 PORT SIDE OF SHELL, BETWEEN L9-L12	
5-250-0-E (CONT'D)	Y	Y	Y	FR 258-264 STBD SIDE OF SHELL, BETWEEN L9-L12	
5-250-1-F	N	N	N		SPACE REQUIRES GAS FREE
5-250-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-270-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-276-0-F	N	N	N		SPACE REQUIRES GAS FREE
5-290-2-F	N	N	N		SPACE REQUIRES GAS FREE
5-292-0-E	Y	Y	Y	FR 316-328 PORT SIDE OF SHELL BETWEEN L5-L9	ACCESSIBLE HIDDEN LAGGED, ASSESSABLE AREA PORT FRAME 292 TO 318, DK GRATING TO OVERHEAD (SHELL NON-ASSESSABLE ON PORT FRAME 318 TO 328, 2'-0" FROM GRATING TO OVERHEAD OF SPACE, STBD FRAME 292 TO 300, 3'-0" OFF GRATING

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SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-292-0-E (CONT'D)	Y	Y	Y	FR 316-328 PORT SIDE OF SHELL BETWEEN L5- L9	TO OVERHEAD, FRAME 305 TO 308, 3'-0" OFF GRATING TO OVERHEAD, FRAME 313 TO 328, 6'- 3" OFF GRATING & POWER PANELS
5-292-0-E (CONT'D)			Y	FR 292-328 PORT SIDE OF SHELL BETWEEN L1- L3	
5-292-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-292-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-292-3-W	N	N	N		SPACE REQUIRES GAS FREE
5-308-2-W	N	N	N		SPACE REQUIRES GAS FREE
5-308-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-328-0-J	N	N	N		SPACE REQUIRES GAS FREE
5-328-2-W	N	N	N		SPACE REQUIRES GAS FREE

FFG 7 CLASS FFG-52 STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING INSTALLED ON BHD	IS THE SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5TH DECK					
5-328-1-W	N	N	N		SPACE REQUIRES GAS FREE
5-344-0-J	N	N	N		SPACE REQUIRES GAS FREE
5-368-0-V	N	N	N		SPACE REQUIRES GAS FREE
5-386-0-V	N	N	N		INACCESSIBLE VOID FRAME 386 TO 392, P/S, FROM KEEL UP ~2FT; FRAME 392 TO 400, S, FROM KEEL UP ~2FT; FRAME 400 TO 408 P/S FROM KEEL UP ~2FT
5-392-0-V	N	N	N		SPACE REQUIRES GAS FREE
5-368-0-E	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)
5-376-1-A	Y	Y	Y		ACCESSIBLE HIDDEN LAGGED 100% (100% OF SHELL ASSESSABLE)