

- (NOTES CONTINUED ON SHEET 2)


	NA	A	12	
	NA	A	11	
	NA	A	10	
	NA	NA	9	
	NA	NA	8	
	NA	NA	7	
	NA	B	NA	6A
	NA	B	NA	6
	C	NA	NA	5A
	C	NA	NA	5
	NA	NA	NA	4
	C	B	A	3
	C	B	A	2
	NA	B	NA	1B
	C	B	A	1A
	C	B	A	1
REV	REV	REV	REV	SH
C	B	A	DWG	

* DENOTES REQUIRED REFERENCE—SEE GENERAL NOTE 6.

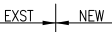
4	DDG 75	HABITABILITY IMPROVEMENT (DDG 75) ELECTRICAL CPO & CREW LIVING SPACES MODIFICATIONS		53711-331-8241265																
3	STD	VENTILATION STANDARD MANUFACTURING DETAILS		53711-807-7277999	REV	ALTERATION NUMBER	WT GP	WT (LBS)	I R X CR X R	VCC REF BL	LCG REF MP	F OR A	TCG REF CL	P S OR O	BY					
2	DDG 75	VENTILATION-MANUFACTURING DETAILS CPO & CREW LIVING & SANITARY SPACES		53711-512-8241270																
1	DDG 75	HABITABILITY IMPROVEMENT (DDG 75) ARRANGEMENT CPO & CREW LIVING SPACES MODIFICATIONS		53711-640-8241262																
NO	HULL	TITLE		IDENT	WEIGHT CONTROL DATA															
					LEVERS IN FEET TO THE NEAREST TENTH OF A FOOT USE SEPARATE LINES FOR EACH WT GRP. S=A, REV=WT INSTL=WT RMV I=INSTALL R=REMOVE XI=LOAD ITEM INSTALLED XR=LOAD ITEM REMOVED T=FEED A=RAFT P=PORT S=STBD O=CL															
REFERENCES																				
					CONTRACT: N40025-06-D-6007 CAGE NO.: 08LQ0 DELPHINUS ENGINEERING, INC. VIRGINIA BEACH, VA. 23455					MID-ATLANTIC REGIONAL MAINTENANCE CENTER					DEPARTMENT OF THE NAVY NAVAL SEA SYSTEMS COMMAND WASHINGTON, D.C. 20362					
					PREPARED JWG 08/06 CHECKED DVD 08/06 ENGINEER TAK 08/06 APPROVED TAK 08/06					PREPARED DATE CHECKED ENGINEER APPROVED					HABITABILITY IMPROVEMENT (DDG 75) VENTILATION CPO & CREW LIVING SPACES MODIFICATIONS					
AUTHORITY:					SHIPBOARD HABITABILITY IMPROVEMENT PROGRAM					ACCEPTED FOR NAVSEA					HABITABILITY IMPROVEMENT (DDG 75) VENTILATION CPO & CREW LIVING SPACES MODIFICATIONS					
DDG 75 - DELPHINUS ENG., INC. 07/06										APPROVED BY NAVSEA NOT REQUIRED					SIZE CAGE CODE WTGRP NAVSEA DWG NO. REV					
SHIP REV SHIPCK BY DT															F 53711 512 8241263 C					
SHIP APPLICABILITY										SCALE: NONE					SHEET 1 OF 6					



VENTILATION INSTALLATION NOTES

1. THE VENTILATION SYSTEMS DEPICTED HEREIN ARE DEVELOPED TO SUIT REFERENCE 1. DEVIATIONS FROM THIS DRAWING SHALL BE APPROVED BY THE SUPERVISOR.
2. THIS DRAWING IS BASED UPON THE REQUIREMENTS OF THE GSO, WHOSE PROVISIONS SHALL PREVAIL IN AREAS WHERE THIS DRAWING IS SILENT. WHERE A CONFLICT EXISTS BETWEEN THIS DRAWING AND THE GSO, THIS DRAWING SHALL TAKE PRECEDENCE.
3. ALL DUCTWORK, FITTINGS AND FLANGE MATERIAL SHALL BE IN ACCORDANCE WITH MANUFACTURING DRAWINGS INVOKED IN THE LIST OF MATERIAL.
4. NA
5. DIMENSIONS GIVEN FOR DUCTS AND FITTINGS ARE INSIDE DIMENSIONS UNLESS OTHERWISE NOTED. WHEN ONE DIMENSION IS GIVEN, IT IS UNDERSTOOD THAT THE DUCT IS CIRCULAR IN SECTION. WHEN TWO DIMENSIONS ARE GIVEN, IT IS UNDERSTOOD THAT THE DUCT IS RECTANGULAR IN SECTION. FLAT OVAL DUCTS ARE DESIGNATED BY THE LETTERS FO. THE FIRST DIMENSION GIVEN IS THE VISIBLE SIDE OF THE DUCT.
6. ALL SPIRAL WOUND DUCT HAS FEMALE ENDS. ALL FITTINGS AND COUPLINGS HAVE MALE ENDS UNLESS OTHERWISE NOTED.
7. THE LETTERS "A" AND "X" DENOTE THE DUCT LOCATION FROM THE UNDERSIDE OF THE DECK OVER. "A" DENOTES THE DISTANCE FROM THE UNDERSIDE OF THE DECK OVER TO THE TOP (INSIDE) OF RECTANGULAR DUCTS. "X" DENOTES THE DISTANCE FROM THE UNDERSIDE OF THE DECK OVER TO THE CENTERLINE OF CIRCULAR AND FLAT OVAL DUCTS. "Y" DIMENSION IS THE DISTANCE FROM THE TOP OF THE DECK UNDER TO THE CENTERLINE OF ROUND AND FLAT OVAL DUCTS AND THE BOTTOM (INSIDE) FOR RECTANGULAR DUCTS.
8. TRANSFORMATIONS ARE TO BE CONSIDERED SYMMETRICAL UNLESS OTHERWISE NOTED.
9. FITTINGS MARKED WITH AN ASTERISK (*) INDICATE A CHANGE IN LEVEL.
10. "Z" DIMENSION INDICATES AMOUNT OF OFFSET OF THE FITTING. SEE REFERENCE 2 & 3.
11.  ALL NUMBERS IN CIRCLE REFER TO DRAWING HABITABILITY IMPROVEMENT PROGRAM FIND NUMBERS.
12. ALL ABBREVIATIONS ARE IN ACCORDANCE WITH ASME Y14.38 OR [HTTPS://WWW.SPEAR.NAVY.MIL/HABITABILITY](https://www.spear.navy.mil/habitability) OR [WWW.HABITABILITY.NET](http://www.habitability.net).
13. ALL NON-WORKING STEEL PARTS, SUCH AS NUTS, BOLTS, ETC, SHALL BE GALVANIZED OR ZINC PLATED TO COMMERCIAL STANDARDS.
14. CLEAN ALL EXISTING FILTERS, DUCTWORK, EQUIPMENT, ETC., PRIOR TO INSTALLATION OF NEW VENTILATION AND A/C SYSTEMS.
15. ALL DIMENSIONS ARE INCHES UNLESS OTHERWISE INDICATED. DIMENSIONS OVER 72" ARE INDICATED SUCH AS 6'-1".
16. ALL EXISTING BELL MOUTH SCREENS SHALL BE REMOVED, CLEANED AND REINSTALLED. THE INSIDE OF ALL DUCTWORK SERVING THE COMPARTMENTS DEPICTED SHALL BE CLEANED.
17. RETENTION AND REMOVAL OF EXISTING DUCTWORK SHALL BE ACCOMPLISHED AS FOLLOWS:

EXISTING DUCTWORK ON THIS SIDE OF ARROW TO BE RETAINED.



EXISTING DUCTWORK ON THIS SIDE OF ARROW TO BE REMOVED.
18. RIVETED JOINTS FOR SPIRAL DUCT CONNECTION AND ROUND FITTINGS SHALL HAVE 2" LAP WITH 3/16" RIVETS EQUALLY SPACED AS FOLLOWS: 3 RIVETS FOR 3" THRU 5" DIA, 4 RIVETS FOR 6" THRU 8" DIA AND 5 RIVETS FOR 9" THRU 12" DIA. RIVETED JOINTS FOR RECTANGULAR DUCT CONNECTION AND RECTANGULAR FITTINGS SHALL HAVE 1" LAP WITH 3/16" RIVETS SPACED ON NOT MORE THAN 2" CENTERS.
19. ALL RIVETED JOINTS SHALL BE MADE AIRTIGHT BY APPLYING HARDCAST TAPE NO. AP-1602 OR EQUAL, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. TAPE HAS A WHITE FABRIC BACKING RECOMMENDED FOR BEING PAINTED. AVAILABLE FROM BWI DISTRIBUTION (757)826-3570.

REMOVAL NOTES

R-1 ALL MATERIAL MARKED // on the REMOVAL VIEW SHALL BE REMOVED AND TURNED OVER TO THE NEAREST PROPERTY ADMINISTRATOR, OR OTHERWISE DISPOSED OF AS INDICATED IN CONTRACT TERMS.

TEST NOTES

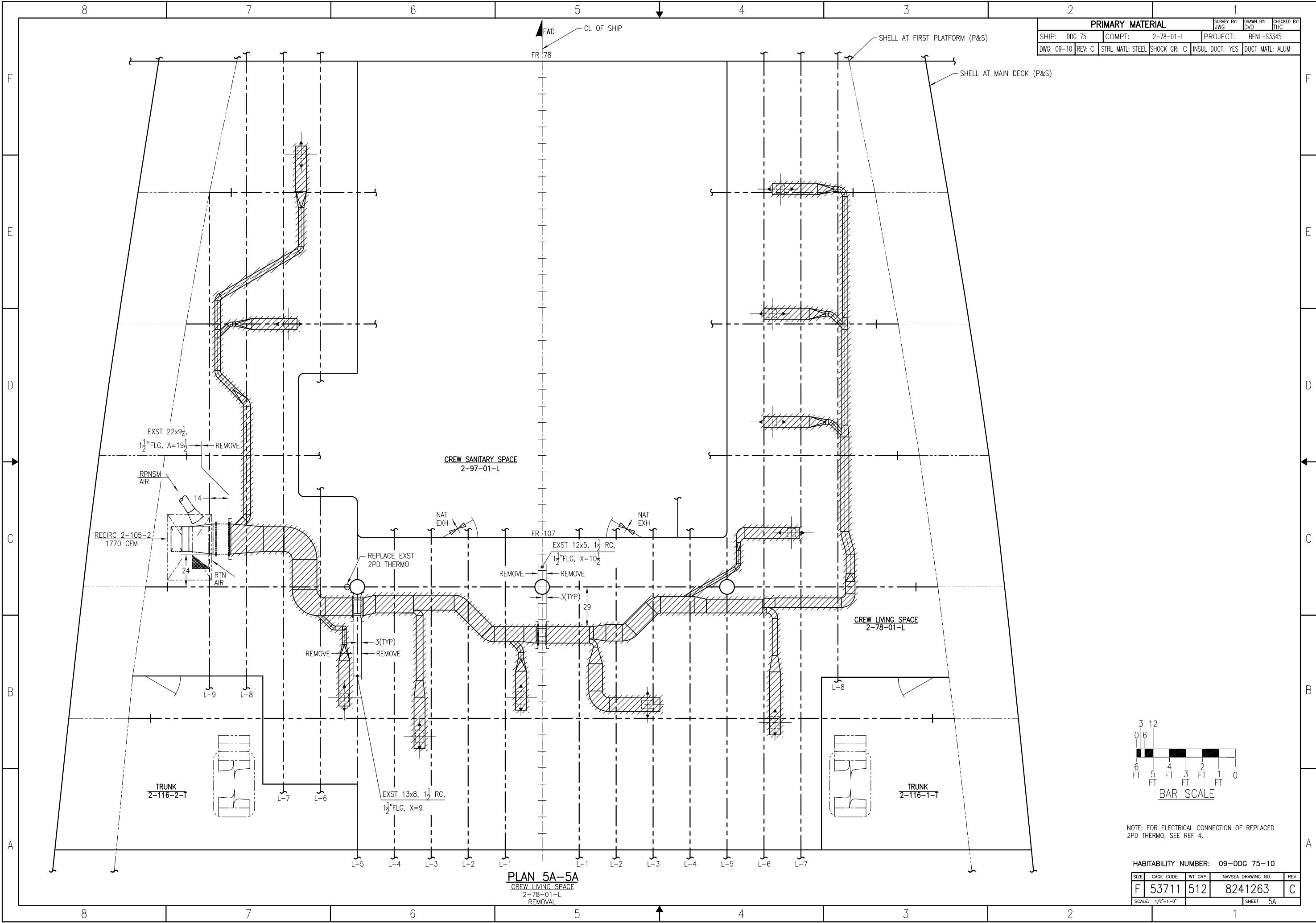
T-1 TESTING AND BALANCING ARE NOT REQUIRED.

HABITABILITY NUMBER: 09-DDG 75-10

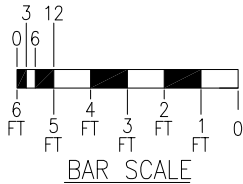
SIZE	CAGE CODE	WT GRP	NAVSEA DRAWING NO.	REV
F	53711	512	8241263	C
SCALE: NONE		SHEET 2		

USS DONALD COOK (DDG 75)

11/23/2011 6:43:32 AM, Habitability Improvement Program, (757)460-4449



PRIMARY MATERIAL					
SHIP: DDG 75		COMPT: 2-78-01-L		PROJECT: BENL-S3345	
DWG: 09-10	REV: C	STRL MATL: STEEL	SHOCK GR: C	INSUL DUCT: YES	DUCT MATL: ALUM

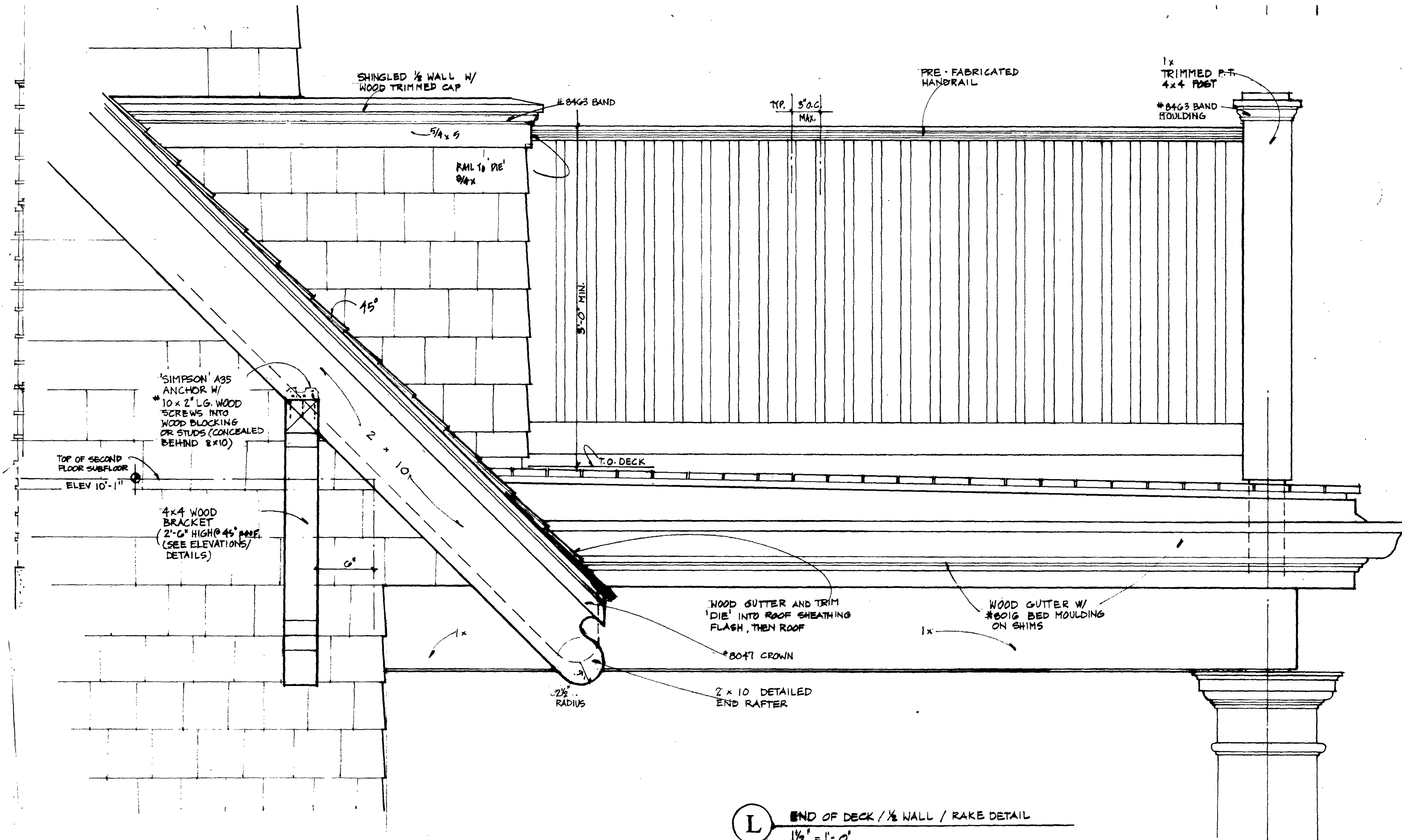
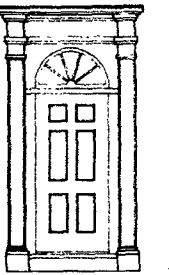


NOTE: FOR ELECTRICAL CONNECTION OF REPLACED 2PD THERMO, SEE REF 4.

HABITABILITY NUMBER: 09-DDG 75-10

SIZE	CAGE CODE	WT GRP	NAVSEA DRAWING NO.	REV
F	53711	512	8241263	C
SCALE: 1/2"=1'-0"		SHEET 5A		

USS DONALD COOK (DDG 75)

[illegible]

job no. :	
drawn :	checked :
scale : AS NOTED	date : 7.15.

WALL SECTION AND EXTERIOR DETAILS

(L) END OF DECK / 1/2 WALL / RAKE DETAIL
1 1/2" = 1'-0"