

# FLORIDA STEEL CORPORATION

## BAR BENDING DETAILS

SHEET 500 OF 3 LIST NO \_\_\_\_\_  
 DATE 1/2/80 REVISED \_\_\_\_\_

RALEIGH DIVISION

CUSTOMER CARDINAL CONST. CO. TICKET NO \_\_\_\_\_  
 PROJECT 205 BED HOSPITAL PRODUCTION NO \_\_\_\_\_  
 LOCATION CAMP LEVEUNE DWG NO 50 ALL REINF PREFIXED \_\_\_\_\_  
 MAT'L FOR COVERING TOWER BASIN, PUMP HOUSE ETC - FOUNDATION DRAWN BY KA

EM	NO. PCS.	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	O	CLASS	MIN
1		7	14	M701	17		3-3	11-2										
2			13	M702	17		3-3	10-8										
3			13	M703	17		3-3	10-3										
4			13	M704	17		3-3	9-10										
5			12	M705	17		3-3	16										
6			12	M706	17		3-3	9-2										
7			12	M707	17		3-3	8-9										
8			11	M708	17		3-3	8-0										
9			11	M709	17		3-3	8-0										
0			11	M710	17		3-3	7-1										
1			10	M711	17		3-3	7-4										
2		7	10	M712	17		3-3	7-0										
3																		
4																		
5		6	23	M601	2	1-0	22-7											
6																		
7																		
8		5	10	M501	17		2-2	8-8										
9			3	M502	2	1-0	3-0											
0			5	M503	17		2-2	3-0										
1			11	M504	17		2-2	8-0										
2			10	M505	17		2-2	8-1										
3			11	M506	17		2-2	8-1										
4			11	M507	17		2-2	8-11										
5		5	6	M508	26		1-6	1-4	6	1-4	1-6							6 3/4

ATLANTIC DIVISION  
 FACILITIES ENGINEERING COMMAND  
 NORFOLK, VIRGINIA 23511

DATE 2-15-80

OFFICER IN CHARGE OF CONSTRUCTION

CLASS	1-	2-	3-	4-	5-	6-	7-	8-	TOTAL
SHEAR									
RAIGHT									
ENDING									
ENDING									
TOTAL									<b>263</b>

N-62470-77-C-7526

"It is hereby certified that the (material) (~~equipment~~) shown and marked in this submittal is that ~~approved~~/proposed to be incorporated into Contract Number \_\_\_\_\_, is in compliance with the contract drawings and specifications, and can be installed in the allocated spaces, and is (~~approved~~) (submitted for Government approval).

CARDINAL CONTRACTING CO.

Authorized Reviewer WAP Date 1/28/80  
Signature CQC Rep WJA Date 1/29/80"





**N-62470-77-C-7526**

"It is hereby certified that the (material) () shown and marked in this submittal is that /proposed to be incorporated into Contract Number \_\_\_\_\_, is in compliance with the contract drawings and specifications, and can be installed in the allocated spaces, and is () (submitted for Government approval).

CARDINAL CONTRACTING CO.

Authorized Reviewer WAR Date 1/28/80.  
Signature CQC Rep WJA Date 1/29/80."



# FLORIDA STEEL CORPORATION

## BAR BENDING DETAILS

**FLORIDA STEEL CORPORATION**

RALEIGH DIVISION

SHEET 505 OF 3 LIST NO. \_\_\_\_\_

DATE 1/2/80 REVISED \_\_\_\_\_

CUSTOMER CARDINAL CONST. CO. TICKET NO. \_\_\_\_\_

PROJECT 205 BED HOSPITAL PRODUCTION NO. \_\_\_\_\_

LOCATION CAMP LETEUNE - NC DWG. NO. 50 ALL REINF. PREFIXED \_\_\_\_\_

MAT'L FOR COOLING TOWER BASIN & PUMP HOUSE ETC. - FOUNDATION DRAWN BY K.A.

ITEM	NO. PCS.	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	CLASS
1			5-0	M426	17		8	44							
2			4-3	M427	17		8	37							
3			3-6	M428	17		8	2-10							
4			2-9	M429	17		8	2-1							
5			1-4	M430	17		8	1-8							
6			8-3	M431	17		18	6-7							
7			7-10	M432	17		18	6-2							
8			7-6	M433	17		18	5-10							
9			7-1	M434	17		18	5-5							
10			6-9	M435	17		18	5-1							
11			6-5	M436	17		18	4-9							
12			6-0	M437	17		18	4-4							
13			5-8	M438	17		18	4-0							
14			5-3	M439	17		18	3-7							
15			4-10	M440	17		18	3-2							
16			4-6	M441	17		18	2-10							
17			3-9	M442	17		18	2-4							
18			3-4	M443	17		18	1-8							
19			8-8	M444	17		18	7-0							
20			4-10	M445	17		8	4-2							

ATLANTIC DIVISION  
 FACILITIES ENGINEERING COMMAND  
 NORFOLK, VIRGINIA 23511

AS PER THE REQUIREMENTS OF  
 SPECIFICATION NO. NS2478-77-01-25

APPROVAL: \_\_\_\_\_  
 SPECIAL DOES NOT INCLUDE  
 FROM THE CONTRACT  
 AND SUPPORTS THE  
 SHALL BE RE-

COORDINATION OF  
 REVIEWER: JNA DATE: 2/5/80

FOR OFFICER IN CHARGE OF CONSTRUCTION

263

N-62470-77-G-7526

"It is hereby certified that the (material) (~~material~~) shown and marked in this submittal is that ~~material~~/proposed to be incorporated into Contract Number \_\_\_\_\_, is in compliance with the contract drawings and specifications, and can be installed in the allocated spaces, and is (~~material~~) (submitted for Government approval).

CARDINAL CONTRACTING CO.

Authorized Reviewer

*WAR*

Date

*1/28/80*

Signature CQC Rep

*WJA*

Date

*1/29/80*



# FLORIDA STEEL CORPORATION

## BAR BENDING DETAILS



SHEET 1a OF \_\_\_\_\_ LIST NO. \_\_\_\_\_  
DATE 5-1-79 REVISED \_\_\_\_\_

RALEIGH DIVISION

CUSTOMER CARDINAL CONST. Co TICKET NO. \_\_\_\_\_  
PROJECT 205 Bed Hospital PRODUCTION NO. \_\_\_\_\_  
LOCATION CAMP LETSUNE, N.C. DWG. NO. 1 ALL REINF PREFIXED \_\_\_\_\_  
MAT'L. FOR SEWAGE PUMP STATION DETAILS DRAWN BY K.A.

ITEM	NO. PCS.	SIZE	LENGTH	MARK	TYPE	DIMENSIONS										CLASS	
						A	B	C	D	E	F	G	H	J	K		O
1		5	27-8	5A1	17		10	26-0	10								
2		5	10-11	5A2	17		10	10-1									
3		5	14-11	5A3	17		10	14-1									
4		5	11-9	5A4	3			3-9	4-3	3-9			2-6		2-6		
5		5	20-10	5A5	17		10	19-2	10								
6		5	16-3	5A6	17		10	15-5									
7		5	2-9	5A7	17		10	1-11									
8		5	8-11	5A8	3		5-2	3-9					2-6		2-6		
9		6	21-0	6A9	17		11	19-2	11								
10		6	18-10	6A10	17		11	15-5	2-6								
11		6	5-4	6A11	17		2-6	1-11	11								
12		4	4-3	4A12	17		8	3-7									
13		4	5-10	4A13	17		8	5-2									
14		6	26-2	6A14	17		1-0	24-2	1-0								
15		4	25-6	4A15	17		8	24-2	8								
16		7	24-4	7A16	17		3-6	17-4	3-6								
17		6	19-4	6A17	17		1-0	17-4	1-0								
18		5	24-4	5A18	17		3-6	17-4	3-6								
19		4	18-8	4A19	17		8	17-4	8								
20		5	19-0	5A20	17		10	17-4	10								
21		4	17-2	4A21	17		8	16-6									
22		6	6-0	6A22	17		2-0	4-0									
23		6	8-0	6A23	1	8	6-8						8				
24		6	10-10	6A24	1	8	10-2										
25		6	9-7	6A25	1	8	9-0										

T. CLASS	1-	2-	3-	4-	5-	6-	7-	8-									
T. SHEAR																	
TR. SHEAR																	
SIZE	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	TOTAL
W. RAIGHT																	
W. BENT																	
W. EAVY BENT																	
W. TOTAL																	

A615-60

1180

ATLANTIC DIVISION  
 NAVAL FACILITIES ENGINEERING COMMAND  
 NORFOLK, VIRGINIA 23511

APPROVED  \_\_\_\_\_  
 APPROVED AS NOTED \_\_\_\_\_  
 DISAPPROVED \_\_\_\_\_

SUBJECT TO THE REQUIREMENTS OF  
 CONTRACT NO. N62470-77-C-7525

APPROVAL OF A SUBMITTAL DOES NOT INCLUDE  
 APPROVAL OF ANY DEVIATION FROM THE CON-  
 TRACT REQUIREMENTS UNLESS THE CONTRAC-  
 TOR CALLS ATTENTION TO AND SUPPORTS THE  
 DEVIATION...THE CONTRACTOR SHALL BE RE-  
 SPONSIBLE FOR PROVIDING PROPER PHYSICAL  
 DIMENSIONS & WEIGHTS, COORDINATION OF  
 TRADES, ETC. AS REQUIRED

REVIEWER RJ Bebell DATE 6-29-79

FOR OFFICER IN CHARGE OF CONSTRUCTION

FILE NO. \_\_\_\_\_  
 Lockwood Greene Engineers, Inc.  
**RECEIVED**  
 JUN 21 1979  
 REF. TO \_\_\_\_\_  
 FOR \_\_\_\_\_

N-62470-77-C-7526



"It is hereby certified that the (material) (equipment) shown and  
 marked in this submittal is that approved/proposed to be  
 incorporated into Contract Number \_\_\_\_\_, is in compliance with  
 the contract drawings and specifications, and can be installed in  
 the allocated spaces, and is (approved for use) (submitted for  
 Government approval).

CARDINAL CONTRACTING CO.

Authorized Reviewer WJR Date 6/18/79

Signature CQC Rep WJA Date 6/19/79."





# FLORIDA STEEL CORPORATION

## BAR BENDING DETAILS

RALLIGH DIVISION

SHEET 16 OF 3 LIST NO. \_\_\_\_\_

CUSTOMER CARDINAL CONST. CO.

TICKET NO. \_\_\_\_\_

PROJECT 205 BED HOSPITAL

PRODUCTION NO. \_\_\_\_\_

LOCATION CAMP LEJUNE, N.C.

DWG. NO. 1

DATE 5.2.79 REVISED \_\_\_\_\_

MAT'L FOR SEWAGE PUMP STATION DETAILS

ALL REINF. PREFIXED

DRAWN BY K.A.

ITEM	NO. PCS.	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	O	CLASS
1	6	6-10	6A26	1		8	6-2										
2	6	4-0	6A27	17			1-0	3-0									
3	4	4-2	4A28	17			8	3-6									
4	4	3-3	4A29	17			8	2-7									
5	4	3-8	4A30	17			8	3-0									
6	4	3-11	4A31	17			8	3-3									
7	4	4-3	4A32	17			8	3-7									
8	4	4-9	4A33	17			8	4-1									
9	4	4-0	4A34	3			2-0	2-0									
10	4	2-3	4A35	17			8	1-7				1-0			1-9		
11	4	4-10	4A36	17			1-4	3-6									
12	3	3-0	3A37	T2		4	9	5	9	5					4		
13	4	5-8	4A38	17			2-2	3-6									
14	4	3-6	4A39	17			8	2-10									
15	3	3-8	3A40	T2		4	1-9	1-9	1-9	1-9					4		
16	6	19-0	6A41	1		8	1-4										
17	3	3-8	3A42	T2		4	9	9	9	9					4		
18	6	17-0	6A43	17			1-0	15-0	1-0								
19	6	18-4	6A44	17			1-0	16-4	1-0								
20	3	3-4	3A45	T2		4	5	1-1	5	1-1					4		
21	3	3-5	3A46	T2		4	5	1-1/2	5	1-1/2					4		
22	3	3-6	3A47	T2		4	5	1-0	5	1-0					4		
23	3	3-7	3A48	T2		4	5	1-0 1/2	5	1-0 1/2					4		
24	3	3-8	3A49	T2		4	5	1-1	5	1-1					4		
25	3	3-9	3A50	T2		4	5	1-1 1/2	5	1-1 1/2					4		

T. CLASS	1-	2-	3-	4	5-	6	7-	8-									
T. SHEAR																	
TR. SHEAR																	
SIZE	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	#18
RAIGHT																	
BENDING																	
AVY BENDING																	
TOTAL																	

1189 A615-60

ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

APPROVED   
APPROVED AS NOTED \_\_\_\_\_  
DISAPPROVED \_\_\_\_\_

SUBJECT TO THE REQUIREMENTS OF  
CONTRACT NO. N62470-77-C-7526

APPROVAL OF A SUBMITTAL DOES NOT INCLUDE  
APPROVAL OF ANY DEVIATION FROM THE CON-  
TRACT REQUIREMENTS UNLESS THE CONTRAC-  
TOR CALLS ATTENTION TO AND SUPPORTS THE  
DEVIATION...THE CONTRACTOR SHALL BE RE-  
SPONSIBLE FOR PROVIDING PROPER PHYSICAL  
DIMENSIONS & WEIGHTS, COORDINATION OF  
TRADES, ETC., AS REQUIRED

REVIEWER RJ Schell DATE 6-29-79

FOR OFFICER IN CHARGE OF CONSTRUCTION



**N-62470-77-C-7526**

FILE NO. \_\_\_\_\_  
Lockwood Greene Engineers, Inc.

**RECEIVED**

**JUN 21 1979**

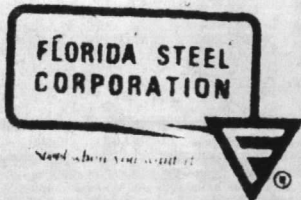
REF. TO \_\_\_\_\_  
ACK. \_\_\_\_\_

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marked in this submittal is that ~~approved~~ proposed to be  
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the contract drawings and specifications, and can be installed in  
the allocated spaces, and is (~~approved for use~~) (submitted for  
Government approval).

CARDINAL CONTRACTING CO.

Authorized Reviewer W.C.P. Date 6/18/79  
Signature CQC Rep W.J.H. Date 6/19/79





# FLORIDA STEEL CORPORATION

## BAR BENDING DETAILS

RALEIGH DIVISION

SHEET 10 OF 3 LIST NO. \_\_\_\_\_

DATE 5-2-79 REVISED \_\_\_\_\_

CUSTOMER CARDINAL CONST. CO.

TICKET NO. \_\_\_\_\_

PROJECT 205 BED HOSPITAL

PRODUCTION NO. \_\_\_\_\_

LOCATION CAMP LEJEUNE, N. C.

DWG NO. 1 ALL REINF. PREFIXED \_\_\_\_\_

MAT'L FOR SEWAGE PUMP STATION DETAILS

DRAWN BY K.A.

EM	NO PCS.	SIZE	LENGTH	MARK	TYPE											CLASS	
						A	B	C	D	E	F	G	H	J	O		MIN.
1	3	3-10	3A51	T2	4	5 1-2	5 1-2					4					
2	3	3-11	3A52	T2	4	5 1-2 1/2	5 1-2 1/2					4					
3	3	4-0	3A53	T2	4	5 1-3	5 1-3					4					
4	3	4-1	3A54	T2	4	5 1-3 1/2	5 1-3 1/2					4					
5	3	4-2	3A55	T2	4	5 1-4	5 1-4					4					
6	3	4-3	3A56	T2	4	5 1-4 1/2	5 1-4 1/2					4					
7	3	4-4	3A57	T2	4	5 1-5	5 1-5					4					
8	3	4-5	3A58	T2	4	5 1-5 1/2	5 1-5 1/2					4					
9	3	4-6	3A59	T2	4	5 1-6	5 1-6					4					
10	3	4-7	3A60	T2	4	5 1-6 1/2	5 1-6 1/2					4					
11	3	4-8	3A61	T2	4	5 1-7	5 1-7					4					
12	3	4-6	3A62	17		6 4-0											
13	3	2-3	3A63	21	5	1-4	6										
14	4	2-2	4A64	17		1-0	1-2										
15	3	8-8	3A65	T2	4	2-0	2-0	2-0	2-0			4					
16	6	28-0	6A66	17		1-0	26-0	1-0									
17	6	11-0	6A67	17		1-0	10-0										
18	6	15-0	6A68	17		1-0	14-0										

CLASS	1-	2-	3-	4-	5-	6-	7-	8-	
HEAR									
SHEAR									
WE	#2	#3	#4	#5	#6	#8	#10	#12	#14
WGT									
ING									
Y									
ING									
									TOTAL

1189 A615-60

**ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511**

APPROVED  \_\_\_\_\_  
 APPROVED AS NOTED \_\_\_\_\_  
 DISAPPROVED \_\_\_\_\_

SUBJECT TO THE REQUIREMENTS OF  
 CONTRACT NO. N62470-77-C-7526

APPROVAL OF A SUBMITTAL DOES NOT INCLUDE  
 APPROVAL OF ANY DEVIATION FROM THE CON-  
 TRACT REQUIREMENTS UNLESS THE CONTRAC-  
 TOR CALLS ATTENTION TO AND SUPPORTS THE  
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 TRADES, ETC. AS REQUIRED

REVIEWER *RJ Schell* DATE 6-29-79

FOR OFFICER IN CHARGE OF CONSTRUCTION

FILE NO. \_\_\_\_\_  
 Lockwood Greene Engineers, Inc.  
**RECEIVED**  
 JUN 21 1979  
 REF. TO \_\_\_\_\_  
 ACK. \_\_\_\_\_



**N-62470-77-C-7526**

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 Government approval).

Authorized Reviewer *W. G. A.* Date 6/18/79  
 Signature OQC Rep *W. G. A.* Date 6/19/79."