



A-15  
10/22/84  
50-400-02

Applicants' Exhibit 15  
Eddleman Contention 65  
Docket No. 50-400

Four Package  
Placement 1CBXW308001

NUCLEAR REGULATORY COMMISSION

Docket No. 50-400 Official Exh. No. 15  
In the matter of Sharon Harris  
Staff \_\_\_\_\_ IDENTIFIED ☒  
Applicant ☒ RECEIVED ☒  
Intervenor \_\_\_\_\_ REJECTED \_\_\_\_\_  
Cont'g Off'r \_\_\_\_\_  
Contractor \_\_\_\_\_ DATE 10-22-84  
Other \_\_\_\_\_ Witness \_\_\_\_\_  
Reporter JW.

8412170314 841022  
PDR ADOCK 05000400  
PDR  
G

CONCRETE  
PLACEMENT  
REPORT

CP&amp;L

000567

EXHIBIT I

WP-08

SHNPP

FILE

PLACEMENT NUMBER

11C181W310181011

LOCATION (INCLUDE ELEV. IF IN BLDG.)

CONTAINMENT # 62308.25

SCHEDULED DATE:

8/25/83

TYPE PLACEMENT

EXT. WALL

ESTIMATED QUANTITY

60 cu.

TEMP. LIMIT

90°

SLUMP LIMIT

8"

SEISMIC CLASS I

YES NO

☒

PROPOSED PLACEMENT METHODS (CHECK APPLICABLE SPACES)

CURING

## TRANSPORTING

## PLACING

## VIBRATION

## FINISHING

## FORMED SURF.

## UNFORMED SURF.

BUGGY

☐

CHUTE

☐

INTERNAL

☒ STEEL TROWEL☐ FORMS ALONE☒ WET BURLAP

BUCKET

☐

TREMIE

☒

FORM

☒ WOOD FLOAT☐ TARPS☐ POLYETHYLENE

CONVEYOR

☐

DROP

☐

POUR

☒ HAIR BRUSH☐ INSULATION☐ CURING COMPOUND:

PUMP

☒

BROOM FINISH

☐ FORMS & WATER☐ KUREZ

TRUCK

☐

RUBBER FLOAT

☐☐ NUTEC 10

QUAD CURE

SERVICE COND.

MILD

PROTECTION

EXTENDED

CURE (DAYS)

7

GALLONS REQUIRED

ANTICIPATED WEATHER  
CONDITIONS:

HOT

COMMENT &amp; CLARIFICATION TO PROPOSED METHODS

EQUIP. HATCH POUR FROM 315 TO 16"

PRIMARY MASONRY DWG. NO.

21676-063108

RATE OF RISE

2' / hr

AND 21676-063108 TO 308 25

+ 435 7-12 PUMP LINE WORKING COLOR

DES. STRENGTH

5.0551

DESIGN MIX CODE

14-180-11

NAME/TITLE PERSON SUBMITTING ALL THE ABOVE

BY: [Signature] TITLE: [Signature]

DATE: 8/17/83

PRE-PLACEMENT  
CHECKOUT

## CONSTRUCTOR

## CONST. INSPECTION

## QUALITY CONTROL

CHECKOUT		REF. PROC.	CRAFT SUPT.	FIELD ENG.	DATE	INSPECTOR	Q.C. SIGNOFF		DATE
1	CONTACT SURFACES	WP-05	J. Ford	M. Walters	8-25	R. Bredelone			
2	FORMS	WP-22	J. Ford	M. Walters	8-25	R. Bredelone			
3	REINFORCING STEEL	WP-11	J. Ford	M. Walters	8-25	R. Bredelone			
4	EMBEDS		J. Ford	M. Walters	8-25	R. Bredelone			
5	MECHANICAL	WP-102	J. Ford	M. Walters	8-25	R. Bredelone	C. G. Gentry		8-25-83
	EMBEDS								
	PIPE								
6	ELECTRICAL	WP-201	J. Ford	M. Walters	8-25	L. F. Harkins			
7	CADWELDS	WP-01	J. Ford	M. Walters	8-25	R. Bredelone	B. Smith		8-25-83
8	BOP WELDING				8-25	W. A. D. King			
9	CODE WELDING						C. G. Gentry		8-25-83
	SEISMIC WELDING								
10	CLEAN-UP	WP-05	J. Ford	M. Walters	8-25	R. Bredelone	W. A. D. King		8/25/83

CONSTRUCTOR SIGNOFF (AREA SUPT.)

TIME: 8:40

C. SIGNOFF

TIME: 8:43 AM

[Signature]

DATE: 8-29-83

[Signature]

DATE: 8-29-83

DESIGN APPROVAL

DATE: 8/29/83

TIME OF START

9:50 AM

DATE PLACED

08

29

83

YDS. CONCRETE  
DELIVERED

116 3/4

YDS PLACED IN  
THIS PLACEMENT

56 1/2

YARDS WASTED

CONCRETE 0 0 7

YDS. GROUT  
DELIVERED

00

CONCRETE

56

YDS PLACED  
ELSEWHERE

GROUT 0 0 0

ACCEPTANCE OF PLACEMENT METHODS &amp; COMPLETENESS OF ABOVE INFORMATION

NAME:

[Signature]

TITLE: C.I.

DATE: 8/29/83

REMARKS (ATTACH RELEVANT REPORTS)

PRE-CHECKOUT DATA BY PLACING ORGANIZATION

PRE-PLACEMENT CHECKOUT

POST PLACEMENT

Rev. 7  
7/81

CAROLINA POWER & LIGHT COMPANY  
SHEARON HARRIS NUCLEAR POWER PLANT

Exhibit 1  
TP-15

Sh. 2 of 30

PLACEMENT CHECKLIST

PLACEMENT NO. 1CBXW308001

LOCATION Cont. #1 Ext. Wall

A2 315° to 16°, el. 303.25' to 308.25'

CHECKLIST	REMARKS	INITIALS
Free Fall Height	Sat.	RUB
Rate of Placement	Sat.	RUB
Hot Weather Conditions	Sat.	RUB
Cold Weather Conditions	<sup>RUB 9-24-83</sup> <del>Sat.</del> N/A	RUB
Layer Thickness	Sat.	RUB
Use of Placing Equipment	Sat.	RUB
Consolidation	Sat.	RUB
Embedded Items	Sat.	RUB
Forms	Sat.	RUB
Cleanup Maintained	Sat.	RUB
Mixing To Placing Intervals	Sat.	RUB
Shifted/Removed Rebar Replaced	N/A	RUB
COMMENTS <u>A smooth &amp; satisfactory placement</u>		

CONSTRUCTION INSPECTOR

Russell J. Bredlowe

DATE 8-29-83

CONSTRUCTION INSPECTION SUPERVISOR

Thomas Smith

DATE 9-1-83

FOR INFORMATION ONLY

Rev. 5  
8/82

CAROLINA POWER & LIGHT COMPANY  
SHEARON HARRIS NUCLEAR POWER PLANT

Exhibit 1  
TP-22  
Sheet 3 of 30

FIELD INSPECTION REPORT FOR REINFORCING STEEL -  
REQUIRED DRAWINGS

Placement Number 1CBXW308001

Coordinates A2 315° to 16°

Elevation 248.2303 to 308.25'  
As of 8-24-83

C.I. Review Kimel J. Breedlove

Computer Printout Reviewed 8-28-83

Daily Document Log Checked 8-28-83

Document Control Contacted 8-28-83

Area Engineer Review [Signature]

Drawings Required/Revision:

Affecting Documents

Masonry CAR-2167-G-0630(RB)  
-0631(RB)

Reinforcing CAR-2167-G-0637(RB)  
-0636(RB)  
-0633(R4)  
-0632(R4)  
-0638(R4)  
-0639(R4)  
-0640(RB)  
-0651(RB)  
  
Embeds  
As of 8-24-83  
-0641(RB)  
-0635(R4)  
-0634(R4)  
-0760(R4)  
  
Penetrations  
As of 8-24-83  
-0764(R3)

LINER PLATE  
Drawings  
As of 8-24-83

CAR-2168-G-228(R11)  
-253.501(RB)

Bar Bending CAR-2167-B-0005-  
3, 4, 6, 7, 8, 9

DCN-550-1067(R1) (Add's Strain Gages)  
FCR-C-4097 ("Half-nuts" on shear bolts)  
PW-C-4040 (Spacing - Rows 1, 2, 3, 4)  
PW-C-4004 (Spacing - Rows 5 & 6)  
PW-C-4207 (Spacing - Rows 7, 8, 9, 10, Add'l)  
FCR-C-2958 ("Dead-men" Assemblies)  
FCR-C-2937 (Lapping of Shear Bars)  
FCR-C-2825 (Spacing - 8th Row @ 16")  
FCR-C-4228 (Sh. At's shear bolts)  
PW-C-2333 (Form & Probe Vibrators)  
FCR-C-1427 (Add'l Steel in 18" + gaps)  
PW-C-1958 ("Deadmen" requirements)  
  
FCR-C-716 (Liner plate tolerance)  
FCR-C-4298 (Const. Joint changes)  
FCR-C-4264 (Liner plate out-of-tolerance)  
FCR-C-4332 (Inoperative Strain Gages)  
PW-C-4299 (Bent Studs - 5-150)  
PW-AS-283 (Omitted Reqlt)  
FCR-C-4426 (Excess Cover) As of 8-31-83  
FCR-C-4427 (Time interval between placements)



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8/82

CAROLINA POWER & LIGHT COMPANY  
SHEARON HARRIS NUCLEAR POWER PLANT

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Sheet 4 of 30

FIELD INSPECTION REPORT FOR REINFORCING STEEL -  
REQUIRED DRAWINGS

Placement Number 1CBXW308001

Coordinates A2.315° to 16°

Elevation 303.25' to 308.25'

Computer Printout Reviewed 8-28-83

Daily Document Log Checked 8-28-83

Document Control Contacted 8-28-83

C.I. Review Russell J. Buccelloni

Area Engineer Review David B.

Drawings Required/Revision:

Affecting Documents

~~Masonry~~  
R/B 8-24-83

Bethlehem Steel Corp. (Rein.)

8099-41(R2)

-58(R1)

-37(R1)

Reinforcing

-46(R1)

-38(R2)

-1(R2)

-42(R2)

-51(R0)

-39(R0)

-2(R4)

-59(R1)

~~Embeds~~  
R/B 8-24-83

-62(R2)

-63(R2) <sup>RI</sup> 8-25-83

-66(R1)

-68(R0)

~~Penetrations~~

-69(R0)

R/B 8-24-83

-67(R1)

-64(R1)

-64A(R1)

~~Bowls~~

-64B(R1)

R/B 8-24-83

-64C(R1)

-64D(R1)

~~Bar Bending~~

-64E(R1)

R/B 8-24-83

# CONTAINMENT EXTERIOR WALL INSPECTION SUMMARY SHEET

EX-1015  
TP-22

PLACEMENT NO. 1 CBXW308001

5 of 30

INSPECTOR Russell V. Brecklow DATE 8-24-83

FIELD ENGINEER Mike B. Brown DATE 8/25/83

see individual sheets

LOCATION	INSPECTED ITEM	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
A2 313° to 16° E. 303.25' to 308.25'	VERTICALS					
	ROW 1	69	69			
	ROW 2	1	1			
	ROW 7	59	59			
	ROW 8	61	61			
	HORIZONTALS					
	ROW 3	5	5			
	ROW 4	5	5			
	ROW 9	5	5			
	ROW 10	5	5			
	ADDITIONAL PER DWG.					
	HORIZONTAL	20	20			
	VERTICAL					
	DIAGONAL					
	ROW 5	15	15			
	ROW 6	<del>115</del> 15	15			
	ADD. PENETRATION	As per 8/24/83				
	STEEL / VERTICAL	4	4	As per -0651		
	HORIZONTAL					
	DIAGONAL	2	2	As per PW-C-4004	None	D. Bryan
	FACE BARS	✓	✓			
	RADIAL BARS					
	INNER			See sh. of		
	OUTER			See sh. thru of		
	RING BARS			See sh. thru of		
	SHEAR BOLT ASSEMBLY	94	94			
	OTHER					
	Shear Bolts (CC-904's)	109	112	3 extra bars	None	D. Bryan
	Bars in 18" gaps	✓	✓	As per -0651		
	Face mat over blister	✓	✓	As per -0760		
	Face mat - excess count	✓	✓	As per FRC-C-4426	FRC-C-4426	D. Bryan

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FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

Exhibit 8  
TP-22

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0637(R5) :- 0636(R5)

Bethlehem Print 8099-41(R2)

INSPECTOR Russell J. Breddare

DATE 8-23-83

FIELD ENGINEER [Signature]

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
20									
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars: "B"			1st Row Verticals 3150 to 25-150						
CC-250	5	5		Spacing Violations	PW-C-4040	D. Bryan			
CC-251	2	2							
CC-259	1	1							
CC-269	1	1							
CC-270	1	1							
CC-272	1	1							
CC-273	2	2							
B-313	1	1							
B-293	1	1							
B-292	1	1							
B-291	1	1							
B-290	1	1							
B-289	1	1							
B-288	1	1							

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FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAL-2167-G-0637(RS) ; -0634(RS)

Bethlehem Print 8099-41 (R2)

INSPECTOR

Russell J. Breidlow

DATE 9-23-83

FIELD ENGINEER

[Signature]

DATE 9/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER OWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE RADIAL BARS BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
15								
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED		
B-287	1	1	1st Row Verticals 3180 to RS-150 (cont.)	Spacing Violations	DW-C-4040	D. Bryan		
B-286	1	1						
B-285	1	1						
B-284	1	1						
B-283	1	1						
B-282	1	1						
B-281	1	1						
B-280	1	1						
B-279	1	1						
B-278	1	1						
B-277	1	1						
B-276	1	1						
B-275	1	1						
B-274	1	1						
B-273	1	1						



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FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0637(R5) ; -0636(R3)

Bethlehem Plant 8099-41(R2)

INSPECTOR

Russell H. Brudlowe

DATE 8-23-83

FIELD ENGINEER

Mike Blodgett

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
15									
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars - "B"									
B-255	✓ 1	1	1st Row Verticals E-150 to 160	Spacing Violations	PW-C-4040	D. Bryan			
B-256	✓ 1	1							
B-257	✓ 1	1							
B-258	✓ 1	1							
B-259	✓ 1	1							
B-260	✓ 1	1							
B-261	✓ 1	1							
B-262	1	1							
B-263	✓ 1	1							
B-264	✓ 1	1							
B-265	✓ 1	1							
B-266	✓ 1	1							
B-267	✓ 1	1							
B-268	✓ 1	1							
B-269	1	1		✓			✓	✓	✓

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# FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0637(R5); -0636(R5)

Bethlehem Print 8099-41(R)

INSPECTOR

Donald J. Brecht

DATE 8-23-83

FIELD ENGINEER

Mike [Signature]

DATE 8/25/89

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
19/1									

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
Bethlehem Bars: "B"						
B-270	1	1	1st Row Verticals @ 5:15D to 160 (cont.)	Spacing Violations	DW-C-4040	D. Bryan
B-271	1	1				
B-272	1	1				
B-294	1	1				
B-312	1	1				
B-311	1	1				
CC-250	13	13				
CC-379	1	1	2nd Row Verticals 3:15D to 160	Spacing Violations <del>ADD</del> RUS 8-25-83	PW-C-4040	D. Bryan

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FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0633(R4); -0632(R4)

Bethlehem Print 8099-58(R1)

INSPECTOR Russell L. Breedlove

DATE 8-23-83

FIELD ENGINEER [Signature]

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE RADIAL BARS BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
	5 / 5							
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED		
Bethlehem 8255-28°	(sets)		3 <sup>rd</sup> Row Horizontals 315° to 160°					
CC-7, B-344 CC-1, B-332	1	1		Spacing Violations	PWC-4040	D. Bryan		
CC-7, B-316 CC-1,	1	1						
CC-7, B-317 CC-1,	1	1						
CC-7 B-318 CC-1	1	1						
CC-7 B-319 CC-1	1	1						
CC-8, B-344 CC-2, B-332	1	1	4 <sup>th</sup> Row Horizontals 315° to 160°	Spacing Violations	PWC-4040	D. Bryan		
CC-8, B-316 CC-2,	1	1						
CC-8, B-317 CC-2,	1	1						
CC-8, B-318 CC-2,	1	1						
CC-8, B-319 CC-2,	1	1						

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FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION: 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. PAR-2167-G-0639(RS); -0639(RS)

Bethlehem Prints 8099-37(R1); -46(R1); -035(R5); -1(R2)

INSPECTOR

Russell J. Bredlow

DATE 8-24-83

FIELD ENGINEER

Mike Blanton

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
			15						
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars			5# Row Diagonals 318° to ± 150						
566	1	1		Spacing Violations	PWC-4004	D. Bryon			
36 CD to 563	1	1							
7 CD to 586	1	1							
6	1	1							
5	1	1							
56	1	1							
3B CD to 3A	1	1							
2B CD to 2A	1	1							
1B CD to 1A	1	1							
45	1	1	± 150 to 160						
9	1	1							
10	1	1							
11 CD to 620	1	1							
12 CD to 535	1	1							
536	1	1							



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# FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. BAR-2167-G-0638(R3); -0639(R3)

Bethlehem Print 8099-42(R2); -51(R0); -039(R0); -2(R4)

INSPECTOR Russell J. Breedlove

DATE 8-24-83

FIELD ENGINEER M. J. Bryan

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
			17						
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars: "8"									
640	1	1	6th Row Diagonals 315° to 45-150	Spacing Violations	PW-C-4004	D. Bryan			
641 00 to 94	1	1		-					
733 00 to 95	1	1							
94	1	1							
139	1	1							
138	1	1							
91A 00 to 91B	1	1	45-150 to 16°						
92A 00 to 92B	1	1							
93A 00 to 93B	1	1							
104	1	1							
105	1	1							
106	1	1							
107	1	1							
108 00 to 512	1	1							
129 00 to 513	1	1							
#11	2	2	Add'l Diagonals	As per PW-C-4004	PW-C-4004	D. Bryan			

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# FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2147-G-01251(R4)

INSPECTOR

*Russell J. Breckling*

DATE 8-24-93

FIELD ENGINEER

*Mike [Signature]*

DATE 8/25/93

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
				14					
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
			Add'l Horizontals Req. = 68'0 1/2						
CC-924 CC-919	✓ 1	1	El. 303'6 315° to & 5-150	Spacing Violations	PW-C-4207	D. Bryan			
CC-919	✓ 1	1	El. 304'0		<i>[Signature]</i>				
CC-924 CC-920	✓ 1	1	El. 304'6						
CC-928	✓ 1	1	El. 305'0						
CC-924 CC-921	✓ 1	1	El. 305'6						
CC-928	✓ 1	1	El. 306'0						
CC-924 CC-920	✓ 1	1	El. 306'6						
CC-928	✓ 1	1	El. 307'0						
CC-924 CC-921	✓ 1	1	El. 307'6						
CC-928	✓ 1	1	El. 308'0						
CC-911 CC-916	✓ 1	1	El. 303'6 & 5150 to 16°						
CC-915	✓ 1	1	El. 304'0						
CC-911 CC-922	✓ 1	1	El. 304'6						
CC-926	✓ 1	1	El. 305'0	✓	✓	✓			

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FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW308001  
DRAWING NUMBER \_\_\_\_\_  
BAR BENDING SCHEDULE NO. CAR-2167-G-0651(23)

INSPECTOR Russell J. Breedlove DATE 8-24-83  
FIELD ENGINEER Mike Bryan DATE 8/25/83  
DESIGN QUANTITIES PER SHEET 6

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
				6					
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
CC-911 CC-923	✓ 1	1	Add'l Horizontals (cont) El. 305'6	Spacing Violations	PWC-4207	D. Bryan			
CC-926	✓ 1	1	El. 306'0						
CC-911 CC-922	✓ 1	1	El. 306'6						
CC-926	✓ 1	1	El. 307'0						
CC-911 CC-923	✓ 1	1	El. 307'6						
CC-926	✓ 1	1	El. 308'0						
CC-904	109	112	Shear Bars	Some top spliced 3 extra bars	FCRC-2937	D. Bryan			
				OK					
CC-929	4	4	Vertical Crack Control in 18" + gaps	None	None	N/A			

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FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION ICBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0650(R5); -0641(R5); -0631(R5)

INSPECTOR

Ronald L. Brecklage

DATE 8-24-83

FIELD ENGINEER

Mike [Signature]

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 12,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
59									

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
			7th Row Verticals 315° to 45-180			
CC-759	1	1		Spacing Violations	PWC-4207	D. Bryan
CC-909	11	11			D. Bryan	
CC-907	10	10				
CC-379	2	2				
CC-910	2	2	√			
CC-395	3	3	45-180 to 76°			
CC-907	10	10	√			
CC-909	13	13	√			√
CC-931	7	7	√	These bars shifted one bar spacing	PWC 4207	D. Bryan
					D. Bryan	



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FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW 308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0650(R5); -0641(R5)

Bethlehem Print 8099-59(R1)

INSPECTOR Russell L. Breckelme

DATE 8-24-83

FIELD ENGINEER Mike J. Hudson

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
24									
INSPECTED ITEM (B&R MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars = "B"									
CC-767	3	3	5th Row Verticals 3/50 to 25-150	Spacing Violations	Pro-C-4207	D. Bryen			
CC-758	4	4							
CC-757	3	3							
CC-759	2	2							
Rev 8-24-83 CC-B-256	2	2							
B-255	1	1							
B-237	1	1							
B-236	1	1							
B-235	1	1							
B-234	1	1							
B-233	1	1							
B-232	1	1							
B-231	1	1							
B-230	1	1							
B-229	1	1							

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CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0650(R3); -0641(R3)

Bethlehem Print 8099-59(K1)

INSPECTOR Russell P. Brecklowe

DATE 8-24-83

FIELD ENGINEER Mike B. [Signature]

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 12, 7, 8	HORIZONTALS ROW 3, 4, 9, 10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5, 6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
15									
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars 2" B" B-228	1	1	8th Row Verticals 3150 to 25-180 (cont)	Spacing Violations	PW-C-4207	D. Bryen			
B-227	1	1							
B-226	1	1							
B-225	1	1							
B-224	1	1							
B-223	1	1							
B-222	1	1							
B-211	1	1	25-180 to 16"						
B-212	1	1							
B-213	1	1							
B-214	1	1							
B-215	1	1							
B-216	1	1							
B-217	1	1							
B-218	1	1							

FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBxW308001

DRAWING NUMBER

DRAWING NUMBER  
BAR BENDING SCHEDULE NO. CAR-2147-G-0650(R3); -0641(R3)

Bethlehem Print 9099-59(R1)

INSPECTOR Kenneth F. Breedlove

DATE 8-24-83

FIELD ENGINEER

DATE 8/25/03

DESIGN QUANTITIES PER SHEET

[illegible]

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CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0635(R4) ~~0632(R4)~~ ~~0624(R4)~~ ~~0635(R4)~~

Bethlehem Print 8099-58(R1)

INSPECTOR

Russell F. Brundage

DATE 8-23-83

FIELD ENGINEER

Michael J. Bladen

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
	515								
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars = "3"	(sets)		9th Row Horizontals 315° to 16°						
CC-496, B-344									
CC-400, B-332	1	1		Spacing Violations	PW-C-4207	D. Bryan			
CC-496, B-359									
CC-400, B-340	1	1							
CC-496, B-347	1	1							
CC-400, B-318	1	1							
CC-496, B-319	1	1							
CC-400, B-319	1	1							
CC-455, B-344	1	1	10th Row Horizontals 315° to 16°	Spacing Violations	PW-C-4207	D. Bryan			
CC-401, B-332	1	1							
CC-455, B-359	1	1							
CC-401, B-340	1	1							
CC-455, B-317	1	1							
CC-401, B-318	1	1							
CC-455, B-319	1	1							
CC-401, B-319	1	1							



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# FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBX2308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

R1, R8, R25, R3

Bethlehem Drains 8099-62(R2); -63(R2); -66(R1); -68(R0)

INSPECTOR Renell J. Fiedlowe

DATE 8-24-83

FIELD ENGINEER Mike S. F...

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,3,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
						128/30			
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars									
2	15 <sub>N</sub>	15	Layer 1 Radials Rad. = 66.042'	None	None	N/A			
1	17 <sub>16</sub>	17	↓	↓	↓	↓			
22	15 <sub>14</sub>	15	Layer 2 Radials Rad. = 66.17'	None	None	N/A			
21	17 <sub>16</sub>	17	↓	↓	↓	↓			
2	15 <sub>14</sub>	15	Layer 3 Radials Rad. = 67.2'	None	None	N/A			
1	17 <sub>16</sub>	17	↓	↓	↓	↓			
2	15 <sub>14</sub>	15	Layer 4 Radials Rad. = 67.9'	None	None	N/A			
1	17 <sub>16</sub>	17	↓	↓	↓	↓			
2	14 <sub>14</sub>	14	Layer 5 Radials Rad. = 69.48'	None	None	N/A			
1	16 <sub>16</sub>	16	↓	↓	↓	↓			

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CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1 CBXW305001

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

Bethlehem Prints 8099-69(RD); -67(R1)

INSPECTOR

DATE 8-24-93

FIELD ENGINEER

DATE 8/25/83

DESIGN / QUANTITIES PER SHEET

[illegible]

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PLACEMENT NO./LOCATION 1CBXW309001

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

Bethlehem Prints 8099-64(21); 64A(21)

INSPECTOR Russell V. Breddlem

DATE 9-24-83

FIELD ENGINEER Mike B. [Signature]

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
							15		
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars	(Sets)		Layer "A" Ring Bars						
A-11	✓ 1	1	Rad. = 65' 9 3/4"	None	None	N/A			
A-12									
B-11	✓ 1	1	Layer "B" Ring Bars						
B-12			Rad. = 66' 4 1/4"	None	None	N/A			
C-11	✓ 1	1	Layer "C" Ring Bars						
C-12			Rad. = 66' 11 1/4"	None	None	N/A			
C-21	✓ 1	1							
C-22									
C-31	✓ 1	1							
C-33									
C-51	✓ 1	1							
C-52									
C-61	✓ 1	1							
C-62									
C-71	✓ 1	1							
C-73									
C-81	✓ 1	1							
C-82									
C-91	✓ 1	1							
C-92									
C-101	✓ 1	1							
C-102									
C-111	✓ 1	1							
C-112									
C-121	✓ 1	1							
C-122									
C-131	✓ 1	1							
C-132									
C-141	✓ 1	1							
C-142									

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PLACEMENT NO./LOCATION 1 CBXW 308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

Bethlehem Prints 9099-64A(RI); -64B(RI)

INSPECTOR Russell S. Bredlow

DATE 8-24-83

FIELD ENGINEER Mark J. Bredlow

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 12,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SPEAR BOLT ASSEMBLIES	OTHER
							15		
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars = "B"									
C-151	1	1	Layer "C" Ring Bars	None	None	N/A			
C-152			Rad. = 66'11 1/4 (cont.)						
C-161	1	1							
C-162									
C-171	1	1							
C-172									
C-181	1	1							
C-182									
C-191	1	1							
C-192									
(2x)C-201	1	1							
C-202									
C-211	1	1							
(2x)C-212									
(2x)C-221	1	1							
C-222									
C-231	1	1							
(2x)C-232									
(2x)C-241	1	1							
C-242									
D-11	1	1	Layer "D" Ring Bars	None	None	N/A			
D-12			Rad. = 67'6 1/4						
D-21	1	1							
D-22									
D-31	1	1							
D-32									
D-51	1	1							
D-52									
D-61	1	1							
D-63									



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PLACEMENT NO./LOCATION 1CBK030801

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

Bethlehem Print 8099-64B(21)

INSPECTOR Russell V. Breedlove

DATE 8-24-83

FIELD ENGINEER Mike [Signature]

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 12, 7, 8	HORIZONTALS ROW 3, 4, 9, 10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5, 6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
							15		
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars									
D-71	1	1	Layer "D" Ring Bars	None	None	N/A			
D-72			Rad. = 67' 0 1/4 (cont.)						
D-81									
D-82	1	1							
D-91									
D-92	1	1							
D-101									
D-102	1	1							
D-111									
D-112	1	1							
D-121									
D-122	1	1							
D-131									
D-132	1	1							
D-141									
D-142	1	1							
D-151									
D-152	1	1							
D-161									
D-162	1	1							
D-171									
D-172	1	1							
D-181									
(2x) D-182	1	1							
(2x) D-191									
D-192	1	1							
D-201									
(2x) D-202	1	1							
(2x) D-211									
D-212	1	1							

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

Jerusalem Print 9099-64B(R1); -64(R1)

INSPECTOR

Russell L. Breckley

DATE 9-24-73

FIELD ENGINEER

[Signature]

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SPEAR BOLT ASSEMBLIES	OTHER
							13		
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Jerusalem Bars D-221	1	1	Layer "D" Ring Bars Rad. ~67'6 1/4 (cont.)	None	None	N/A			
(2x) D-202	1	1							
(2x) D-231									
D-232	1	1							
D-341									
(2x) D-242	1	1							
(2x) D-251									
D-252	1	1							
D-261									
(2x) D-262	1	1							
(2x) D-271									
D-272	1	1							
D-281									
(2x) D-292	1	1							
(2x) D-291									
D-292	1	1							
D-301									
(2x) D-302	1	1							
E-1			Layer "E" Ring Bars						
E-12	1	1	Rad. ~68'7	None	None	N/A			
E-21									
E-22	1	1							
F-11			Layer "F" Ring Bars						
F-12	1	1	Rad. ~69'1 1/2	None	None	N/A			
F-21									
F-22	1	1							

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PLACEMENT NO./LOCATION LCBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

Bethlehem Print 8099-(64C(R1))

INSPECTOR Donald L. Bredlow

DATE 8-24-83

FIELD ENGINEER Mike Bredlow

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 12,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
						RIB 8-24-83	14	15	
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Bethlehem Bars									
G-11	1	1	Layer "G" Ring Bars	None	None	N/A			
G-12			Red. = 6'9" 8 1/2"						
G-21									
G-22	1	1							
G-41									
G-42	1	1							
G-51									
G-53	1	1							
G-61									
G-62	1	1							
G-71									
G-73	1	1							
G-81									
G-82	1	1							
G-91									
G-92	1	1							
G-101									
G-102	1	1							
G-121									
G-122	1	1							
G-131									
G-132	1	1							
G-141									
G-142	1	1							
G-161									
G-162	1	1							
G-171									
G-172	1	1							
G-181									
G-182	1	1							

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CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

Reinforcement Detail 9099-(4C(21); -4D(21))

INSPECTOR David J. Breckline

DATE 8-24-93

FIELD ENGINEER Michael R. Johnson

DATE 8/25/93

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 12, 7, 8	HORIZONTALS ROW 3, 4, 9, 10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5, 6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
							14		
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Both Sides Bars G-191 (2x) G-192	1	1	Layer "G" Ring Bars Rad. = 69' 8 1/2 (cont.)	None	None	N/A			
(2x) G-201 G-202	1	1							
G-211 (2x) G-212	1	1							
(2x) G-221 G-222	1	1							
(2x) G-241 G-242	1	1							
G-251 (2x) G-252	1	1							
(2x) G-261 G-262	1	1							
H-11 H-12	1	1	Layer "H" Ring Bars Rad. = 70' 3 1/2	None	None	N/A			
H-21 H-22	1	1							
H-41 H-43	1	1							
H-51 H-52	1	1							
H-61 H-63	1	1							
H-71 H-72	1	1							
H-81 H-82	1	1							



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# FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION 1 CBXW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

Bethlehem Drott 8099-64D(e)

INSPECTOR Russell J. Breckstone

DATE 8-24-83

FIELD ENGINEER Mike Blodgett

DATE 8/25/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 12,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 5,6	ADD. PENETRATION STEEL HOR./VERT./DIAG.	FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
							15		
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Buckingham Bars - 8"									
H-91									
H-92	1	1	Layer "H" Ring Bars Rad. = 70' 3 1/2 (cont.)	None	None	N/A			
H-101									
H-102	1	1							
H-121									
H-122	1	1							
H-241									
(2x) H-242	1	1							
J-11									
J-12	1	1	Layer "J" Ring Bars Rad. = 70' 10 1/2	None	None	N/A			
J-21									
J-22	1	1							
J-41									
J-42	1	1							
J-51									
J-53	1	1							
J-61									
J-62	1	1							
J-71									
J-73	1	1							
J-81									
J-82	1	1							
J-91									
J-92	1	1							
J-101									
J-102	1	1							
J-121									
J-122	1	1							
J-131									
J-132	1	1							

Rev. 1  
9/80

Exhibit 8  
TP-22

FIELD INSPECTION REPORT FOR  
CONTAINMENT EXTERIOR WALL  
PENETRATION STEEL

29 of 30

PLACEMENT NO./LOCATION 1 CBXLW308001

DRAWING NUMBER

BAR BENDING SCHEDULE NO.

Bethlehem Print 9099-(HE(R))

INSPECTOR Kennell J. Breedlove

DATE 8-24-83

FIELD ENGINEER

DATE 8/25/85

DESIGN QUANTITIES PER SHEET

[illegible]

Rev. 1  
1/81

CAROLLA POWER & LIGHT CO., INC.  
SHNPP

Exhibit 1  
TP-05

FIELD INSPECTION REPORT FOR EMBEDDED PLATES,  
PENETRATION, AND ANCHOR BOLTS

R43 9-683

PLACEMENT NO. 1 CBXW308001

PAGE 30 OF 33

DRAWING & REV. CAR-2467-G-0631 (R3)

ITEM INSPECTED	LOCATION	DESCRIPTION TYPE - (10R11, AB-4, PENETRATION) SIZE, DESIGN QTY., ETC.	DISCREPANCIES RELATED TO TYPE, SIZE, LOCATION, INSTALLATION, DESIGN QTY. VS ACTUAL QUANTITY, DIMENSIONS, ETC.	CORRECTIVE ACTION DR, PW, FCR, DCN ETC.	INSPECTOR
					INDIVIDUAL NOTIFIED
					DATE
EMBED PLATES					
PENE- TRATION	S-150 LA2. 346'0 ± El. 298'0	1) Penetration 24'0 Type II	Nelson Stud Shear Connectors Bent	PW-C-4299 (All welds visually examined - no breaks) <i>D. Bryan</i>	<i>R. Breedlove</i> D. Bryan 8-24-83
ANCHOR BOLTS					
OTHER	Various (@ intersections of ring bars & radial bars)	Shear Bolts (94) (1) 1 1/2" Rods A193 B7 (2) 3/4" Plates A-36 (2) 1 1/2" Nuts 194 BH (1) 1 1/2" Sleeve A1018	1) Tack Welds & epoxy eliminated 2) some bolts shifted one bar spacing	1) FCR-C-4097 <i>D. Bryan</i> 2) FCR-C-4228 <i>D. Bryan</i>	<i>R. Breedlove</i> D. Bryan 8-24-83

CAROLINA POWER & LIGHT COMPANY  
SHF ON HARRIS NUCLEAR POWER PLANT  
POST PLACEMENT CHECKLIST

Exhibit 2  
TP-15

PLACEMENT NO. 1CBXW308001

LOCATION 12.315° to 16°, d. 303' to 308'

PLACED 8-29-83

SURFACE AREA N/A

END OF CURE 9-5-83

CURE COMPOUND (AMOUNT) N/A

CURE/PROTECTION REQUIREMENTS Mild exposure/ext. prot. / 7 days moist / 1 hot

CHECKLIST	REMARKS	INITIAL
<u>FINISH</u>		
A. Steel Trowel	N/A	RLB
B. Wood Float	N/A	RLB
C. Broom	N/A	RLB
D. Hair Brush	N/A	RLB
E. Rubber Float	N/A	RLB
F. Keyways Installed	N/A	RLB

FORMS

Form & Shoring Removal ☒ Sat 9-22-83 RLB

REPAIRS

Type of Repair Required ☒ Cosmetic ☐ Structural ☐ Forms Still In Place RLB

EMBED PLATES W/SCREW-IN-STUDS

Thread Engagement N/A RLB

SEISMIC GAP

Proper Gap Maintained ☒ N/A RLB

<u>CURING/PROTECTION</u>	EXTENSIONS	REMARKS
A. Water <input checked="" type="checkbox"/>	N/A	Sat - 7 days moist RLB
B. Curing Compound	N/A	N/A RLB
C. Ponding	N/A	N/A RLB
D. Burlap	N/A	N/A RLB
E. Wet Sand	N/A	N/A RLB
F. Polyethylene	N/A	N/A RLB
G. Temperature <input checked="" type="checkbox"/>	N/A	Sat - 7 days $\geq 50^{\circ}\text{F}$ RLB

COMMENTS:

TWS CONSTRUCTION INSPECTOR Russell F. Brecklow DATE 9-22-83

CONSTRUCTION INSPECTION SUPERVISOR Thomas Smith DATE 9-26-83



CAROLINA POWER & LIGHT COMPANY  
CORPORATE QUALITY ASSURANCE DEPARTMENT  
CONCRETE TEST REPORT  
(Procedure CQC-11)

PLACEMENT NO. ICBXW308001 DATE 8-29-83

MODE OF PLACEMENT Pump Dis.

LOCATION #1 Cent. Bldg.

WEATHER: (✓) CLEAR ( ) OVERCAST ( ) RAIN ( ) OTHER  
( ) HAZY ( ) FOG ( ) P. CLOUDY

TICKET NO.	TIME SAMPLED	ACCU YARDS PLACED	SLUMP (IN)	TEMP. (°F)	THERM. NO.	AIR (°)	AIR METER NO.	UNIT WT.	UNIT WT. BUCKET	SCALE NO.	TEST CYLINDERS				SET NO.	LAB #	REMARKS
											RESULTS						
											DAY 8	DAY 28	DAY 28	DAY			
98623	7:25AM : PM	3	6	80	CP&L 4944B	10.0	47678	142.4	47678	CP&L 5048B	3430	4930	4810	1	10664	5 yds 823	
98624	10:00AM : PM	8	6 1/2	83	CP&L 4944B	7.6										PRE-TEST ON TRACK WAS A 9.0% AIR CONTENT. BEFORE PLACING IN PUMP	
	: AM																
	: PM																
	: AM																
	: PM																
	: AM																
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SLUMP REQUIRED 0-8 MAX. in. DESIGN MIX # USED M-80  
AIR REQUIRED 4-8 % DESIGN STRENGTH 5000 psi.  
FOR PLACEMENT

FIELD QA/QC INSPECTOR John H. Allen DATE 8-29-83  
LAB QA/QC INSPECTOR Wendy J. Wolf DATE 9-26-83  
QA/QC SPECIALIST Donna J. Smith DATE 10-4-83

PLACEMENT # 1CBXW308001  
M-80 5000 PSI

LAB NO.	AVG. 28-DAY STRENGTH	AVG. OF THREE CONSECUTIVE TEST
10639	5275	5647
10654	6795	6040
<span style="border: 1px solid black;">10664</span>	<span style="border: 1px solid black;">4870</span>	5632
10685	6455	
10699	5570	

EVALUATION IN ACCORDANCE WITH CAR-SH-CH-6

- ① THE 28-DAY AVERAGE STRENGTH TESTS ARE NOT MORE THAN 500 PSI BELOW THE DESIGN STRENGTH OF 5000 PSI.
- ② THE AVERAGE OF ALL GROUPS OF THREE CONSECUTIVE TESTS ARE ABOVE THE DESIGN STRENGTH OF 5000 PSI.
- ③ THE 28-DAY STRENGTH TEST IS NOT CONSIDERED A FAILURE.

*Jim Calk* 10-7-83