



A-16
10/22/84
50-400-02

Applicants' Exhibit 16
Eddleman Contention 65
Docket No. 50-400

Pour Package
Placement 1C3XW336003

NUCLEAR REGULATORY COMMISSION

Docket No. 50-400 Official Exh. No. 16
In the matter of Sharon Harris
Staff _____ IDENTIFIED ☒
Applicant ☒ RECEIVED ☒
Intervenor _____ REJECTED _____
Cont'g Off'r _____
Contractor _____ DATE 10-22-84
Other _____ Witness _____
Reporter Jm

8412170325 841022
PDR ADOCK 05000400
G PDR

CONCRETE
PLACEMENT
REPORT

CP&L

000568

Sh. 1 of 19

SHNPP

FILE

PLACEMENT NUMBER

1KIBXIW341101

LOCATION (INCLUDE ELEV. IF IN BLDG.)

EDMONT MOUNT EL 341

SCHEDULED DATE:

9/21/83

OMB 336003

9/14/83

TYPE PLACEMENT

CMT. W/M

ESTIMATED QUANTITY

75 CY

TEMP. LIMIT

90°

SLUMP LIMIT

8-8

SEISMIC CLASS I

YES NO

X

PROPOSED PLACEMENT METHODS (CHECK APPLICABLE SPACES) 9/22/83 CURING

TRANSPORTING

BUGGY

BUCKET

CONVEYOR

PUMP

TRUCK

PLACING

CHUTE

TREMIE

DROP

PUMP

TRUCK

VIBRATION

INTERNAL

FORM

FINISHING

STEEL TROWEL

WOOD FLOAT

HAIR BRUSH

BROOM FINISH

RUBBER FLOAT

FORMED SURF.

FORMS ALONE

TARPS

INSULATION

FORMS & WATER

KUREZ

NUTEC 10

QUAD CURE

UNFORMED SURF.

WATER

WET BURLAP

POLYETHYLENE

CURING COMPOUND:

KUREZ

NUTEC 10

QUAD CURE

GALLONS REQUIRED 3/4

ANTICIPATED WEATHER

HOT

PROTECTION

CATIONIC

CURE (DAYS)

7

COMMENT & CLARIFICATION TO PROPOSED METHODS

EQUIP HATCH AREA A2 315-15

CL 330.25-344 336

430 11-12 PLUM CONC CRST

PRIMARY MASONRY DWG. NO.

267-6-06312-8

RATE OF RISE

2 1/4 in

DES. STRENGTH

50KSI

DESIGN MIX CODE

A-18011

NAME/TITLE PERSON SUBMITTING ALL THE ABOVE

BY: [Signature] TITLE: A.E.

DATE: 9/8/83

PRE-PLACEMENT
CHECKOUT

CONSTRUCTOR

CONST. INSPECTION

QUALITY CONTROL

		REF. PROC.	CRAFT SUPT.	FIELD ENG.	DATE	INSPECTOR	Q.C. SIGNOFF	DATE
1	CONTACT SURFACES	WP-05	[Signature]	[Signature]	9/20/83	R. Breckelore		
2	FORMS	WP-22	[Signature]	[Signature]	9/20/83	R. Breckelore		
3	REINFORCING STEEL	WP-11	[Signature]	[Signature]	9/20/83	R. Breckelore		
4	EMBEDS		[Signature]	[Signature]	9/20/83	R. Breckelore		
5	MECHANICAL							
	EMBEDS							
	PIPE	WP-102	[Signature]	[Signature]	9/19/83	Ry L. [Signature]	Comin Cynter	9-19-83
6	ELECTRICAL	WP-201	[Signature]	[Signature]	9/19/83	Ry L. [Signature]		
7	CADWELDS	WP-01	[Signature]	[Signature]	9/20/83	R. Breckelore	B. [Signature]	9-20-83
8	BOP WELDING							
9	CODE WELDING							
	SEISMIC WELDING							
10	CLEAN-UP	WP-05	[Signature]	[Signature]	9-20	R. Breckelore		

CONSTRUCTOR SIGNOFF (AREA SUPT)

A. C. Hyatt

TIME: 8:15

DATE: 9-20-83

C.I. SIGNOFF

Russell S. Breckelore

TIME: 8:45 AM

DATE: 9-20-83

DESIGN APPROVAL

[Signature]

TIME OF START

11:30 AM

DATE PLACED

09 210 813

YDS. CONCRETE

DELIVERED

010916

YDS PLACED IN

THIS PLACEMENT

87

YARDS WASTED

CONCRETE

010

GROUT

001

YDS. GROUT

DELIVERED

012

CONCRETE

0086

GROUT

0001

YDS PLACED

ELSEWHERE

CONCRETE

000

GROUT

000

ACCEPTANCE OF PLACEMENT METHODS & COMPLETENESS OF ABOVE INFORMATION

NAME: Russell S. Breckelore

TITLE: C.I.

DATE: 9-22-83

REMARKS (ATTACH RELEVANT REPORTS)

* Bulkhead @ top to be continuously wet during placement - Set RB 9-20-83

* Recheck prior to placement - Set RB 9-20-83

END INFORMATION

PRE-CHECKOUT DATA BY PLACING ORGANIZATION

PRE-PLACEMENT CHECKOUT

POST PLACEMENT

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7/81

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

Exhibit 1
TP-15

Sh. 20P 19

PLACEMENT CHECKLIST

PLACEMENT NO. 1CBXW 336003

LOCATION Cont. #1 Ext. Well

Az. 315° to 160°, el. 330.25' to 336.75'

CHECKLIST	REMARKS	INITIALS
Free Fall Height	Sat	RLB
Rate of Placement	Sat.	RLB
Hot Weather Conditions	Sat.	RLB
Cold Weather Conditions	N/A	RLB
Layer Thickness	Sat.	RLB
Use of Placing Equipment	Sat.	RLB
Consolidation	Sat.	RLB
Embedded Items	Sat.	RLB
Forms	Sat.	RLB
Cleanup Maintained	Sat. *	RLB
Mixing To Placing Intervals	Sat.	RLB
Shifted/Removed Rebar Replaced	N/A	RLB
COMMENTS * Some excess water on top of placement due to continuous wetting of top bulkhead. Water was removed and all results satisfactory. The <u>last</u> placement!		

CONSTRUCTION INSPECTOR Russell J. Brucklow DATE 9-22-83

CONSTRUCTION INSPECTION SUPERVISOR Thomas Smith DATE 9/22/83

FOR INFORMATION ONLY

Rev. 5
8/82

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

Exhibit 1
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Sheet 3 of 19

FIELD INSPECTION REPORT FOR REINFORCING STEEL -
REQUIRED DRAWINGS

Placement Number 1 CBXW336003

Coordinates Az. 315° ± to 160° ±

Elevation 330.25' to 336.75'

Computer Printout Reviewed 9-19-83

Daily Document Log Checked 9-19-83

Document Control Contacted 9-19-83

C.I. Review

Russell J. Breedlove

Area Engineer Review

Chas. E. [Signature]

Drawings Required/Revision:

Affecting Documents

Masonry

CAR-2167-G-0630 (R8)

-0631 (R8)

Reinforcing

CAR-2167-G-0637 (R9)

-0636 (R5)

-0633 (R4)

-0632 (R4)

-0638 (R6)

-0639 (R6)

-0650 (R5)

-0651 (R5)

-0641 (R5)

-0635 (R4)

-0634 (R4)

-0764 (R3)

Twc 11/23/83
~~Embeds~~
RUB 9-19-83

Penetrations

LINER PLATE
~~Dowels~~
Twc 11/23/83

CAR-2168-G-228 (R11)

Bar Bending

CAR-2167-B-9009 -

3,5,6,7,8,9

• 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)

FCR-C-2825 (Spacing - 8" Row @ 160°)

FCR-C-1427 (Add'l Steel - 18" + gaps)

FCR-C-7116 (Liner plate tolerance)

FCR-C-4298 (Const. Joint changes)

FCR-C-4264 (Liner plate out-of-tolerance)

FCR-C-4426 (Excess cover)

FCR-C-2937 (Lapping of Shear Bars)

FCR-C-1475 (Const. Jt. Changes)

Bethlehem Steel Corp. (Reinforcing)

8099-41 (R2)

-48 (R1)

-46 (R1)

-1 (R2)

-51 (R0)

-49 (R1)

-39 (R0)

-2 (R4)

-59 (R1)

Add'l Cadwelds Added

J. E. [Signature] (SEE FIELD ENCL.)
AS-BUILT

CONTAINMENT EXTERIOR WALL INSPECTION SUMMARY SHEET

Sh. 4 of 19

PLACEMENT NO. 1 CBXW 336 003

INSPECTOR Kenneth V. Brecklow

DATE 9-19-83

FIELD ENGINEER *Mike Lidzoe*

DATE 2/19/83

See individual sheets

LOCATION	INSPECTED ITEM	DESIGN QUANTITY	ACTUAL QUANTITY	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
Az. 3150' ± 16°	VERTICALS					
El. 330.25' ± 336.75'	ROW 1	✓ 90	90			
	ROW 2	✓ 8	8			
	ROW 7	✓ 70	70			
	ROW 8	✓ 83	84	One extra bar	None	D. Bryan
	HORIZONTALS					
	ROW 3	✓ 9	9			
	ROW 4	✓ 9	9			
	ROW 9	✓ 10	10			
	ROW 10	✓ 10	10			
	ADDITIONAL PER DWG.					
	HORIZONTAL					
	VERTICAL					
	DIAGONAL					
	ROW 5	✓ 23	23			
	ROW 6	✓ 22	23	One extra bar	None	D. Bryan
	ADD. PENETRATION	22	23			
	STEEL / VERTICAL					
	HORIZONTAL					
	DIAGONAL					
	FACE BARS					
	RADIAL BARS					
	INNER					
	OUTER					
	RING BARS					
	SHEAR BOLT ASSEMBLY					
	OTHER					
	Shear Bars (CR-904's)	869	873	See ch. 7 of 19		
	Bars in 18" gaps	✓	✓	As per - 0691	None	N/A
	Excess cover mat	✓	✓	As per FCR-C-4426	None	N/A

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FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION LCBXW336003

DRAWING NUMBER

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

Beth. Print 8099-41(R2)

INSPECTOR

Russell F. Brecklage

DATE 9-16-83

FIELD ENGINEER

Michael J. [Signature]

DATE 9/17/83

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
56									
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Beth. Bars = "B"									
CC-278	1	1	1st Row Verticals 315° to 16°	Spacing Violations	PW-C-4040	D. Bryan			
CC-268	9-8-10 9-16-83	9							
CC-365 CC-265	2	2							
CC-264	23 2-8-16-83	3							
CC-317	30	30							
B-293 CD to CC-317	1	1							
B-291 CD to CC-317	1	1							
B-289 CD to CC-317	1	1							
B-287 CD to CC-317	1	1							
B-285 CD to CC-317	1	1							
B-283 CD to CC-317	1	1							
B-281 CD to CC-317	1	1							
B-279 CD to CC-317	1	1							
B-277 CD to CC-317	1	1							
B-275 CD to CC-317	1	1							

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FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION LCBKW 336003

DRAWING NUMBER

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

Beth. Print 8099-41(R2)

INSPECTOR Russell J. Brecklow

DATE 9-16-83

FIELD ENGINEER Mike Brecklow

DATE 9/17/83

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
Beth. Bars = "8" B-273 CD to CC-317	1	1	1 st Row Verticals (cont.)	Spacing Violations	DWC-4040	D. Bryan
B-309 CD to CC-317	1	1				
B-307 CD to CC-317	1	1				
B-308 CD to CC-317	1	1				
B-303 CD to CC-317	1	1				
B-301 CD to CC-317	1	1				
B-299 CD to CC-317	1	1				
B-297 CD to CC-317	1	1				
B-295 CD to CC-317	1	1				
B-256 CD to CC-317	1	1				
B-258 CD to CC-317	1	1				
B-260 CD to CC-317	1	1				
B-262 CD to CC-317	1	1				
B-264 CD to CC-317	1	1				
B-266 CD to CC-317	1	1				

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FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW336003

DRAWING NUMBER

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

Bethlehem Print 8099-41(R2)

INSPECTOR Russell H. Breddlow

DATE 9-16-83

FIELD ENGINEER M. H. [Signature]

DATE 9/17/83

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
19	8								
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Beth. Bars "B" B-268 CD to CC-317	1	1	1st Row Verticals (cont.)	Spacing Violations	PW-C-4040	D. Bryan			
B-270 CD to CC-317	1	1							
B-272 CD to CC-317	1	1							
B-312 CD to CC-317	1	1							
CC-268	RUB 7/16/83 113	13							
CC-365	TWS 9/22/83 1	1							
CC-278	1	1							
CC-904	869	873	Shear Bars	90 partially embedded in concrete some have ≤ 6" N/C splice → 4 extra bars OK. [Signature]	FCR-C-2937 FCR-C-1473 None	D. Bryan D. Bryan			
CC-379 CD to CC-370	286	6	2nd Row Verticals 315° to 16°	Spacing Violations	PW-C-4040	D. Bryan			
#18 CD to CC-370	2	2	As per CC-37						

FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXLW336003

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-D1633(R4); -D1632(R4)

INSPECTOR Kenneth F. Brecklow

DATE 9-16-83

FIELD ENGINEER

DATE 9/19/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 4,2,7,8	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
	9								

[illegible]

FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW336003

DRAWING NUMBER

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

INSPECTOR

Russell T. Brecklowe

DATE 9-14-73

FIELD ENGINEER

Mike Blasco
DESIGN QUANTITY

DATE 9/12/83

DESIGN	QUANTITIES	PER	SHEET
--------	------------	-----	-------

VERTICALS ROW 4,7,8	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
	9								

[illegible]

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FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION LCBXW336003

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0638(R4); -0639(R4)

Beth. Prints 8099-48(R1); -46(R1); -1(R2)

INSPECTOR Russell J. Breedlove

DATE 9-16-83

FIELD ENGINEER Michael Breedlove

DATE 9/19/83

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			
Beth. Bars									
720	✓ 1	1	5th Row Diagonals 315° to 16°	Spacing Violations	PWC-4004	D. Bryen			
721 CD to 712	✓ 1	1							
722	✓ 1	1							
713 CD to 723	✓ 1	1							
721 CD to 57	✓ 1	1							
728 CD to 40	✓ 1	1							
714 CD to 39	✓ 1	1							
715 CD to 38	✓ 1	1							
725 CD to 37	✓ 1	1							
724 CD to 36	✓ 1	1							
716 CD to 7	✓ 1	1							
725 CD to 6	✓ 1	1							
717 CD to 5	✓ 1	1							
621 CD to 4	✓ 1	1							
620 CD to 3A	✓ 1	1							

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FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1 CBXLW 336003

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2147-G-0638(R3); -0639(R5)

Beth. Prints 8099-48(R1); -46(R1); -1(R2)

INSPECTOR Kenneth F. Breedlove

DATE 9-16-83

FIELD ENGINEER

DATE 9/19/83

DESIGN QUANTITIES PER SHEET

[illegible]

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FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW336003

DRAWING NUMBER

BAR BENDING SCHEDULE NO. BAR-2167-G-0638(R4); -0639(R5)

Bethlehem Prints 8099-51(R0); -49(R1); -39(R0); -2(R4)

INSPECTOR

Russell J. Buehler

DATE 9-16-83

FIELD ENGINEER

Mike [Signature]

DATE 9/19/83

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
			13						
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
Beth. Bars			6th Row Diagonals 315° to 160°						
738 CD to 134	1	1		Spacing Violations	Purc. 400s	D. Bryan			
#18	1	1		One extra bar	None	D. Bryan			
739 CD to 133	1	1		OK					
719 CD to 132	1	1							
720 CD to 131	1	1							
739 CD to 130	1	1							
740 CD to 91B	1	1							
721 CD to 92B	1	1							
739 CD to 93B	1	1							
722 CD to 104	1	1							
741 CD to 105	1	1							
739 CD to 106	1	1							
723 CD to 107	1	1							
724 CD to 108	1	1							

FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW336003

DRAWING NUMBER

DRAWING NUMBER
BAR BENDING SCHEDULE NO. CAR-2167-G-0638(RS); -0639(RS)

Bethlehem Prints 8099-51(R0); -49(R1); -39(R0); 2(R4)

INSPECTOR Russell F. Breedlove

DATE 9-16-83

FIELD ENGINEER

DATE 9/19/83

DESIGN QUANTITIES PER SHEET

[illegible]

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FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION ICBXW336003

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0650(R5); -0641(R5); -0691(R5)

INSPECTOR

Russell J. Brydson

DATE 9-16-83

FIELD ENGINEER

Mike Brydson

DATE 9/19/83

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
70									

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
CC-759 CO to CC-775	✓ 1	1	7th Row Verticals 315° to 16°	Spacing Violations	4207 Dw-C-4604 409-2973	D. Bryan
CC-379 CO to CC-725	✓ 2	2			dis	
CC-804	✓ 1	1	u			
#18 CO to CC-775	✓ 1	1	As per -0651			
CC-908	✓ 11	11	u			
CC-909	✓ 11	12 11 TWS 9-22-83		One extra bar	None	D. Bryan
CC-910	✓ 2	2			OK	
CC-908	✓ 14	14				
CC-909	✓ 13	13				
CC-908	✓ 11	11				
CC-804	✓ 3	3				

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FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW336003

DRAWING NUMBER

BAR BENDING SCHEDULE NO. (AR-2167-G-0650(RS); -0641(RS))

Bell. Print 8099-59(R)

INSPECTOR Russell L. Breckland

DATE 9-16-83

FIELD ENGINEER Michael S. Shaw

DATE 9/19/83

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
58									

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
Bell. Bars "B"						
CC-801 ✓	1	1	8 th Row Verticals 315° to 16°	Spacing Violations	DW-C-4207	D. Bryan
CC-804 ✓	1	1				
CC-802 ✓	1	1				
CC-776 ✓	40 ⁵³ ₃₂ ^{2nd} ₉₋₁₄₋₈₃	40				
CC-753 ✓	4	4				
CD to CC-775						
CC-759 ✓	2	2				
CD to CC-775						
#18 (CC-75) ✓	0	1		1 extra bar	None	D. Bryan
B-255 ✓	1	1				
CD to CC-775						
B-236 ✓	1	1				
CD to CC-775						
B-233 ✓	1	1				
CD to CC-775						
B-231 ✓	1	1				
CD to CC-775						
B-229 ✓	1	1				
CD to CC-775						
B-227 ✓	1	1				
CD to CC-775						
B-225 ✓	1	1				
CD to CC-775						
B-223 ✓	1	1				
CD to CC-775						
B-275 ✓	1	1				
CD to CC-775						

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FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL PENETRATION STEEL

Exhibit 8
TP-22

16 of 19

PLACEMENT NO./LOCATION 1 CBXW336003

DRAWING NUMBER

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

Bethlehem Print 8099-59(R1)

INSPECTOR

Russell S. Breckler

DATE 9-16-83

FIELD ENGINEER

Michael J. Breckler

DATE 9/19/83

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
15								

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
Beth. Bars = "B" B-253 CD to CC-775	1	1	8 th Row Verticals 3(Cont.)	Spacing Violations	DWC-4207	D. Bryon
B-251 CD to CC-775	1	1				
B-249 CD to CC-775	1	1				
B-247 CD to CC-775	1	1				
B-245 CD to CC-775	1	1				
B-243 CD to CC-775	1	1				
B-241 CD to CC-775	1	1				
B-239 CD to CC-775	1	1				
B-211 CD to CC-775	1	1				
B-213 CD to CC-775	1	1				
B-215 CD to CC-775	1	1				
B-217 CD to CC-775	1	1				
B-219 CD to CC-775	1	1				
B-220 CD to CC-775	1	1				
B-221 CD to CC-775	1	1				

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FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
PENETRATION STEEL

17 of 19

PLACEMENT NO./LOCATION 1CBxw336003

DRAWING NUMBER

DRAWING NUMBER
BAR BENDING SCHEDULE NO. CAR-2167-G-0650(R9); -0641(R9)

Beth. Print 9099-59(R)

INSPECTOR

Kimell J. Breedlove

DATE 9-16-83

FIELD ENGINEER

Michael J. Simpson
DESIGN QUANTITIES

DATE 2/12/83

DESIGN	QUANTITIES	PER	SHEET
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[illegible][illegible]

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FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
PENETRATION STEEL

180419

PLACEMENT NO./LOCATION 1CBXW336003

DRAWING NUMBER

DRAWING NUMBER
BAR BENDING SCHEDULE NO. CAR-2167-G-0634(R4) ; -0635(R4)

INSPECTOR

Russell J. Bruckman

DATE 9-16-83

FIELD ENGINEER

Mike Blum

DATE 2/12/83

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,3,4	HORIZONTALS ROW 5,6,7,8,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROW 1,2,3,4	ADD. PENETRATION HOR./VERT./DIAG.	STEEL FACE BARS	RADIAL BARS INNER/OUTER	RING BARS	SHEAR BOLT ASSEMBLIES	OTHER
	10								
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED			
			9th Row Horizontal 315° to 16°						
CC-446, CC-449 CC-400	1	1		Spacing Violations	PW-C-4207	D Bryan			
CC-418, CC-449 CC-420	1	1							
CC-446, CC-449 CC-400	1	1							
CC-446, CC-449 CC-400	1	1							
CC-420, CC-449 CC-400	1	1							
CC-446, CC-449 CC-400	1	1							
CC-418, CC-449 CC-420	1	1							
CC-446, CC-449 CC-400	1	1							
CC-446, CC-449 CC-400	1	1							
CC-446, CC-449 CC-400	1	1							
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CC-446, CC-449 CC-400	1	1							
CC-446, CC-449 CC-400	1	1							
CC-446, CC-449 CC-									

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FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
PENETRATION STEEL

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PLACEMENT NO./LOCATION 1CBXW336003

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0634(R4); -0633(R4)

INSPECTOR Russell J. Breckling

DATE 9-16-83

FIELD ENGINEER Mike Nichols

DATE 9/19/83

DESIGN	QUANTITIES	PER	SHEET
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VERTICALS ROW 4,7,8	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
	10								

INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
			10 th Row Horizontals 3130 to 16 ⁰			
CC-435, CC-430 CC-401	✓ 1	1		Spring Violations	PW-C-4207	D. Bryan
CC-419, CC-450 CC-421	✓ 1	1			<i>[Signature]</i>	
CC-435, CC-430 CC-401	✓ 1	1				
CC-435, CC-430 CC-401	✓ 1	1				
CC-420, CC-450 CC-419	✓ 1	1				
CC-435, CC-430 CC-401	✓ 1	1				
CC-435, CC-450 CC-401	✓ 1	1				
CC-419, CC-450 CC-421	✓ 1	1				
CC-435, CC-430 CC-401	✓ 1	1				
CC-435, CC-430 CC-401	✓ 1	1				

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CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
POST PLACEMENT CHECKLIST

Exhibit 2
TP-15

PLACEMENT NO. 1CBXW336003 LOCATION A2. 315° to 160°, el. 330.29' to 336'
PLACED 9-20-83 SURFACE AREA 500 ft²
END OF CURE 9-27-83 CURE COMPOUND (AMOUNT) 2 1/2 gals.
CURE/PROTECTION REQUIREMENTS: Mild exposure / Extended Protection / 7 days moist

CHECKLIST	REMARKS	INITIALS																
<u>FINISH</u>																		
A. Steel Trowel	N/A	RLB																
B. Wood Float	✓ Applied after head box removal - Sat	RLB																
C. Broom	N/A	RLB																
D. Hair Brush	↓	RLB																
E. Rubber Float	↓	RLB																
F. Keyways Installed	N/A	RLB																
<u>FORMS</u>																		
Form & Shoring Removal	Sat	RLB																
<u>REPAIRS</u>																		
Type of Repair Required	<input checked="" type="checkbox"/> Cosmetic <input type="checkbox"/> Structural <input type="checkbox"/> Forms Still In Place	RLB																
<u>EMBED PLATES W/SCREW-IN-STUDS</u>																		
Thread Engagement	N/A	RLB																
<u>SEISMIC GAP</u>																		
Proper Gap Maintained	N/A	RLB																
<u>CURING/PROTECTION</u>																		
<table border="1"><thead><tr><th>EXTENSIONS</th><th>REMARKS</th></tr></thead><tbody><tr><td>A. Water</td><td>N/A</td></tr><tr><td>B. Curing Compound</td><td>Sat. 3 1/4 gal. extra added Kurex verified Kurex verified RLB 10-25-83</td></tr><tr><td>C. Ponding</td><td>N/A</td></tr><tr><td>D. Burlap</td><td>↓</td></tr><tr><td>E. Wet Sand</td><td>↓</td></tr><tr><td>F. Polyethylene</td><td>N/A</td></tr><tr><td>G. Temperature</td><td>Sat. 7 days ≥ 50°F</td></tr></tbody></table>			EXTENSIONS	REMARKS	A. Water	N/A	B. Curing Compound	Sat. 3 1/4 gal. extra added Kurex verified Kurex verified RLB 10-25-83	C. Ponding	N/A	D. Burlap	↓	E. Wet Sand	↓	F. Polyethylene	N/A	G. Temperature	Sat. 7 days ≥ 50°F
EXTENSIONS	REMARKS																	
A. Water	N/A																	
B. Curing Compound	Sat. 3 1/4 gal. extra added Kurex verified Kurex verified RLB 10-25-83																	
C. Ponding	N/A																	
D. Burlap	↓																	
E. Wet Sand	↓																	
F. Polyethylene	N/A																	
G. Temperature	Sat. 7 days ≥ 50°F																	

COMMENTS: ~~3 1/4 gal. reappplied @ C.I. inspectors request~~ ~~RLB 10-25-83~~
* 3/4 gal. applied to head box area, removed during chipping operations -
2 1/2 gals. on final product

CONSTRUCTION INSPECTOR Russell J. Breckelme DATE 10-24-83

CONSTRUCTION INSPECTION SUPERVISOR Thomas Smith DATE 10/26/83

Pump Discharge

LOCATION Containment Bldg.

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

[illegible]

SLUMP REQUIRED 0-7 1/2 max in. DESIGN MIX # USED M-80

FIELD INSPECTOR *Wm. Kenneth Hill* DATE *9-20-83*

AIR REQUIRED 4-8 ?
DESIGN STRENGTH 5000 PSI
FOR PLACEMENT

LAB QA/QC INSPECTOR Vendy Culotta DATE 10-18-83

QA/QC SPECIALIST Donald J. J. DATE 11-21-83

FOR PLACEMENT * 1CBYW336003

M-80 5000 PSI

LAB NO.

AVG 28-DAY
STRENGTH

AVG. OF THREE
CONSECUTIVE TESTS

10705

5090

5355

10712

5980

5792

10719

4995

6120

10803

6400

10823

6965

EVALUATION IN ACCORDANCE WITH CAR-SH-CH-6

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

Aug Ch 11-21-83

09 11-21-83