

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-308

WR&A # 92-AFEW1

PAGE 1 OF 1

PLANT: HBR

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>SI</u>	COMPONENT NAME: <u>Support</u>	COMPONENT ID NO.: <u>CPL-239-I</u>
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DWG./LOC.: CPL-239 Rev 0 / PIPE ALLEY

☒ VT-3 PROCEDURE: <sup>SP1097</sup>~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: <sup>N/A</sup>614 REV.: 0

DIRECT ☒ REMOTE ☐ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
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CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	
MISALIGNMENT			X	
DEBRIS			X	
CORROSION/EROSION			X	
STRUCTURAL INTEGRITY			X	
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES			X	

VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>	STROKE: <u>N/A</u>	S/N <u>N/A</u>
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COMMENTS: verified support Tagged ABANDONED in PLACE  
92-AFEW1

EXAMINER: [Signature] LEVEL: II DATE: 5-26-92

REVIEWER: [Signature] LEVEL: N/A DATE: 5-26-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/26/92

VIEWERS COMMENTS:

ANII REVIEW: [Signature]

DATE: 6/2/92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097449

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

SI

COMPONENT

NAME: SUPPORT

COMPONENT

ID NO.: CPL-239-I

DWG./LOC.: CPL 239 REVO / PIPE ALLEY

☒ VT-3 PROCEDURE: <sup>SP 1097 AP 4-16-92</sup> ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO:

☒ N/A

EQUIPMENT USED:

☒ FLASHLIGHT ☒ MIRROR

☒ OTHER 6" SCALE

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER

☐ CONSTANT SUPPORT

☐ MECHANICAL SNUBBER

☐ VARIABLE SUPPORT

☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT	✓			DOES NOT SUPPORT LOAD - SEE ATTACHMENT
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

EXAMINER: Art Purnell

LEVEL: II

DATE: 4-15-92

REVIEWER: Edmund R. Rivera

LEVEL: II

DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY

☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/17/92

REVIEWERS COMMENTS:

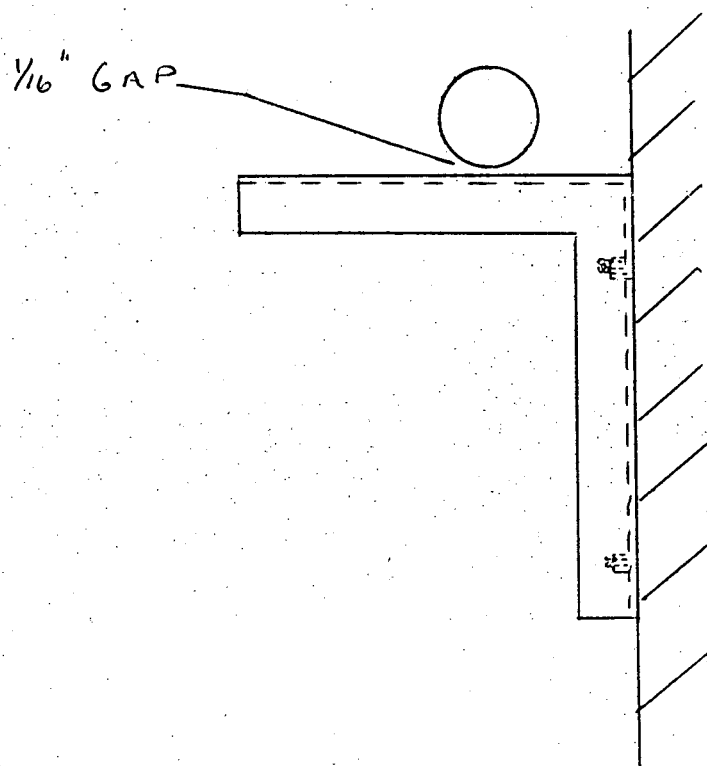
ANII REVIEW: R. Walladanes

DATE: 4-20-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-449EXAM ITEM CPL 239 - IISO DWG. NO. CPL 239 REV. 0

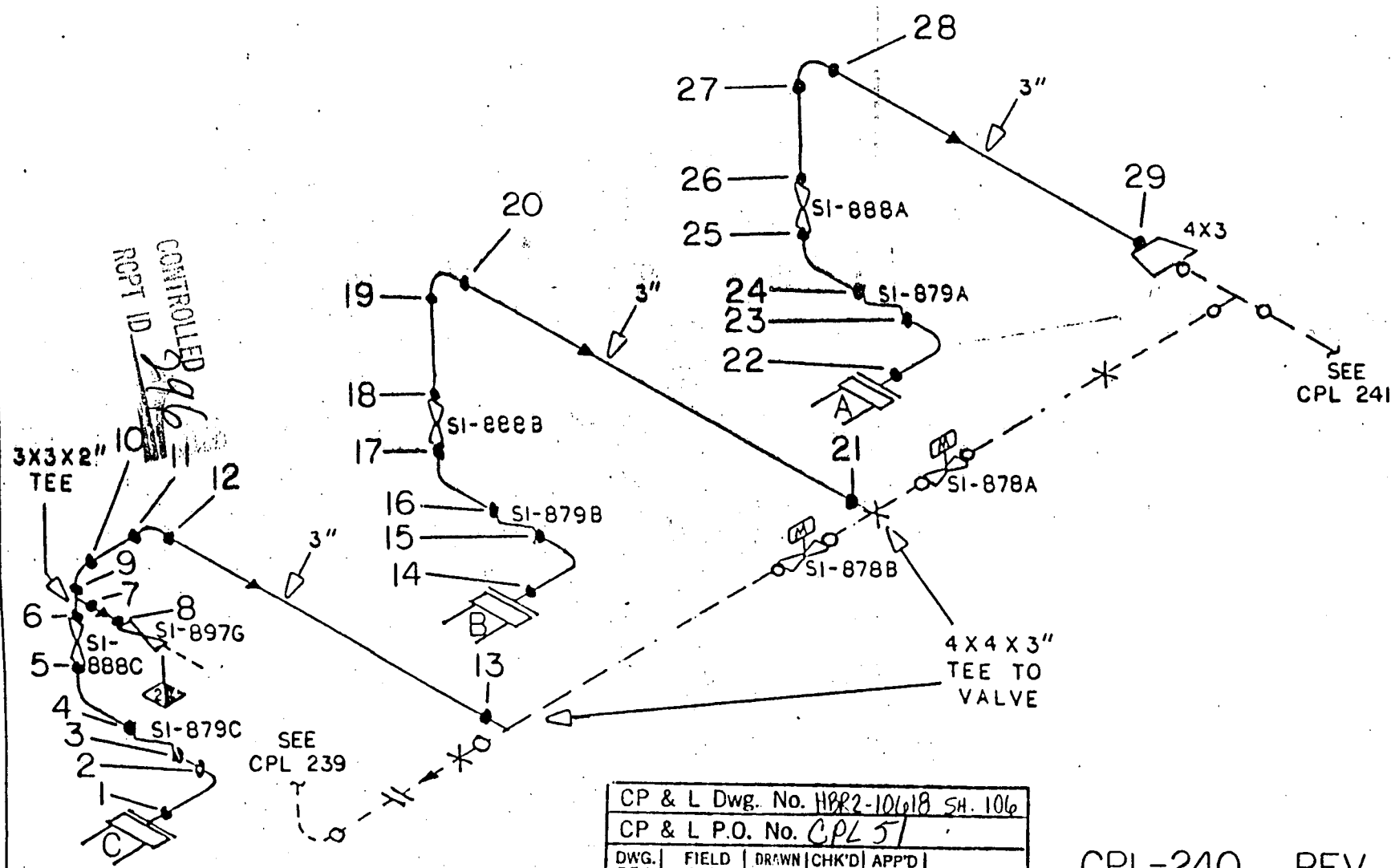
## SKETCH SHEET

EXAMINER Art PinnerEXAMINER N/AREVIEWER Colin R. DonovanREVIEWER Richard B. WeberREVIEWER AMLEVEL IILEVEL N/ALEVEL IIDATE 4/27/92

DATE \_\_\_\_\_

DATE 4-15-92DATE N/ADATE 4-16-92

I certify that the image contained on this frame was made



CP & L Dwg. No. HBR2-101018 SH. 106					
CP & L P.O. No. CPL 51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	CPL	ALO	ALO	12/13/89

CPL-240 REV. 0

H.D. ROBINSON O.E. PLANT		C P & L
UNIT NO. 2		
Description HPSIS INST. S.S. HELOS 2 HPS 2 & 3 HPS 4		
Line No.	CPL 240 Rev. 0	



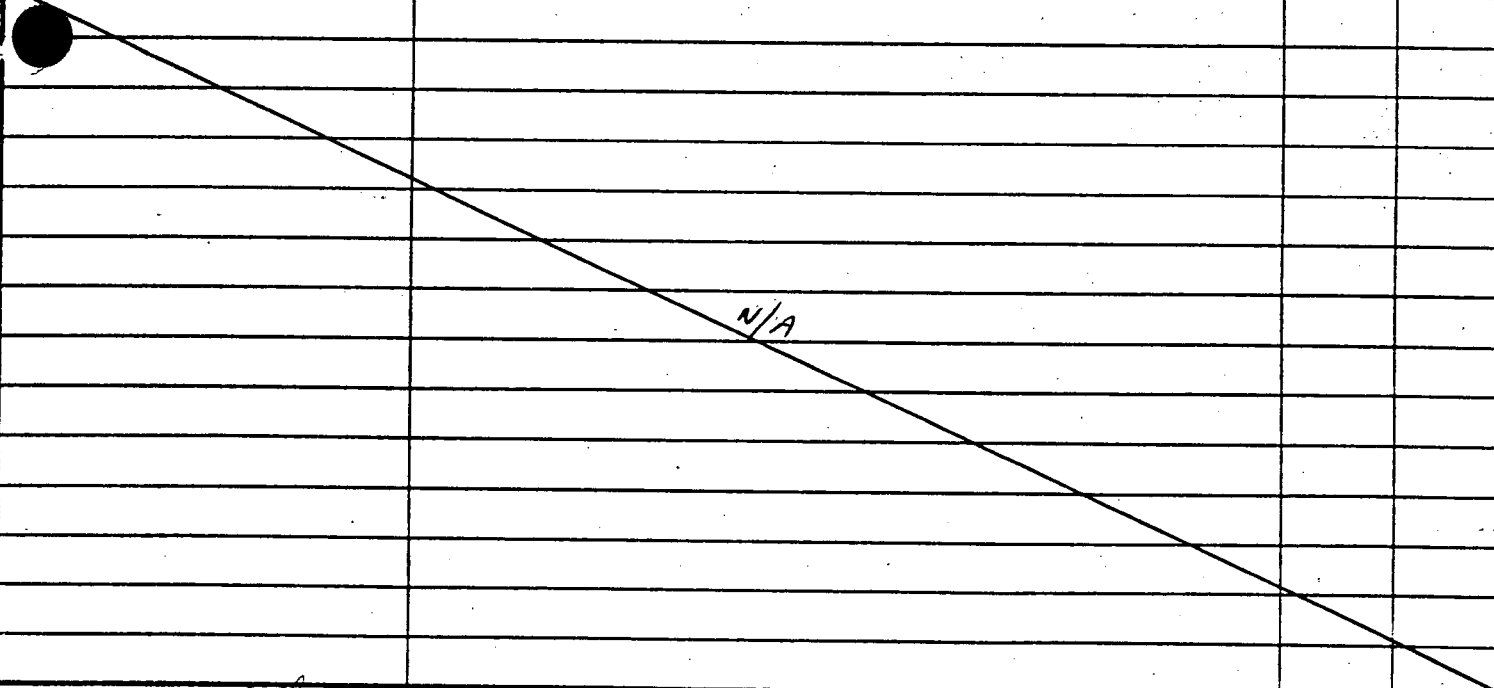
DATA SHEET NO. 1095-8  
THERMOMETER S/N JL9101  
TEMPERATURE 43 ° F  
NOMINAL THICKNESS .42 INCHES  
MATERIAL STAINLESS STEEL  
S 2

## LIQUID PENETRANT EXAMINATION

PROCEDURE SP-1095  
REVISION 0 F.C. NO. N/A  
PAGE 1 OF 23  
*AM 4/7/92*

SYSTEM EXAMINED SAFETY INJECTION ISO/DWG/SK. # CPL-240 REVISION 0  
DATUM POINT REFERENCE TOP DEAD CENTER (T.D.C.)

	BRAND NAME	TYPE	BATCH NO.	DRYING/DWELL TIME
CLEANER	<u>SPOTCHECK</u>	<u>SKC-NF</u>	<u>90J03P</u>	<u>5</u> MINUTES
PENETRANT	<u>SPOTCHECK</u>	<u>SKL-HF/S</u>	<u>90H03K</u>	<u>15</u> MINUTES
REMOVER	<u>SPOTCHECK</u>	<u>SKC-NF</u>	<u>90J03P</u>	<u>5</u> MINUTES
DEVELOPER	<u>SPOTCHECK</u>	<u>SKD-NF</u>	<u>90L03P</u>	<u>7</u> MINUTES

EXAM ITEM	DESCRIPTION/REMARKS	ACC.	REJ.
<u>CPL-240-10 + 2.5"</u>	<u>(1) 1/16" ROUNDED, 2.5" CW LOOKING FROM</u>	<u>N/A</u>	<u>N/A</u>
<u>N/A</u>	<u>PIPE TO ELBOW ON ELBOW SIDE TOE OF WELD</u>	<u>X</u>	<u>N/A</u>
			

EXAMINER Chiff Moss @  
EXAMINER N/A  
REVIEWER Bob Murdoch  
REVIEWER Richard B. Water

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/14/92  
DATE

DATE 4-3-92  
DATE N/A  
DATE 4/4/92

ASIT R. Valladone

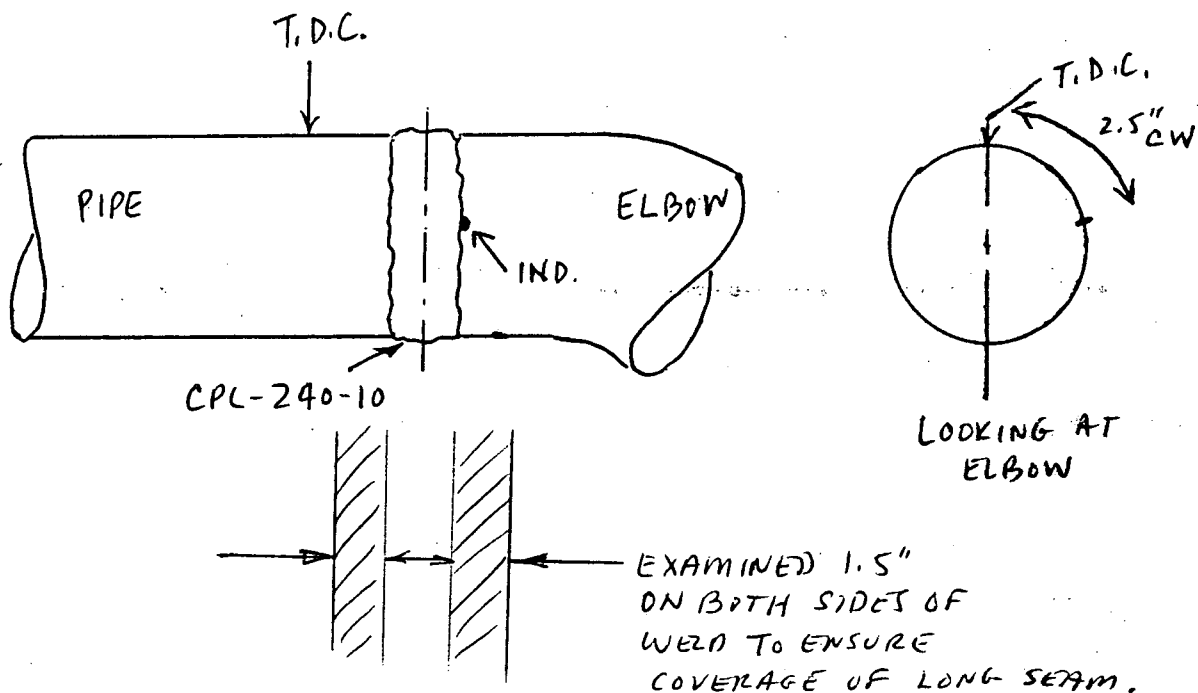
**nes**

NUCLEAR ENERGY SERVICES, INC.

# 1125

PAGE 2 OF 23  
DATA SHEET NO. 1095-8 4/4/92  
EXAM ITEM CPL-240-10  
ISO DWG. NO. CPL-240 REV. 0

## SKETCH SHEET



EXAMINER

*Chiff Moss*

EXAMINER

*N/A*

REVIEWER

*Dale Munk*

REVIEWER

*Richard B. Weber*

REVIEWER

LEVEL

*II*

LEVEL

*N/A*

LEVEL

*II*

DATE

*4/14/92*

DATE

DATE

*4-3-92*

DATE

*N/A*

DATE

*4/4/92*

PLANT/UNIT HBR unit 2  
DATA SHEET NO. 1089-2 1095-5  
PAGE 43 OF 43 4/5/92

# EXAMINATION DATA SHEET

PROCEDURE NO. SP 7089  
REVISION/CHANGE NO. 0  
COMPONENT/SYSTEM SI  
ISO/DWG. NO. 0PL-240 REV. 0  
THERMOMETER S/N SEP 90-61  
COMPONENT TEMP. 56 ° F

EXAMINATION WELD/AREA

CPL-240-10

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↗	YES	NO	ACC.	REJ.
<input checked="" type="checkbox"/>	N/A	N/A	N/A	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

WELD CROWN LIMITATION

☒ YES ☒ NO

AREA SCANNED

Scanned volume that angle beam passed through  
actual thickness = .42"

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↗	YES	NO	ACC.	REJ.
N/A	<input checked="" type="checkbox"/>	N/A	N/A	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

WELD CROWN LIMITATION

☒ YES ☒ NO

AREA SCANNED

Pipe to elbow weld complete - Scanned 2.5T of LS

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↗	YES	NO	ACC.	REJ.
N/A	N/A	<input checked="" type="checkbox"/>	N/A	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

WELD CROWN LIMITATION

☒ YES ☒ NO

AREA SCANNED

Pipe to elbow weld complete - Scanned 2.5T of LS

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↗	YES	NO	ACC.	REJ.
					<input checked="" type="checkbox"/>		

WELD CROWN LIMITATION

☐ YES ☐ NO

AREA SCANNED

SEE ATTACHED I.E.R.

1 Del Murdoch LEVEL III DATE 4/5/92  
2 N/A LEVEL N/A DATE N/A

REVIEWERS:

1 Edmund R. O'Connor LEVEL II DATE 4-6-92  
2 \_\_\_\_\_ LEVEL \_\_\_\_\_ DATE \_\_\_\_\_  
3 \_\_\_\_\_ LEVEL \_\_\_\_\_ DATE \_\_\_\_\_

**nes**

NUCLEAR ENERGY SERVICES, INC.

DATA SHEET NO. 108971  
PAGE 1 OF 3

# ULTRASONIC CALIBRATION DATA SHEET

PROC. NO. SP-1089  
REV. 0  
CHANGE NO. N/A

## INSTRUMENT

Model USK7  
Serial No. 27276-3789  
Sweep Length 4.03 Delay 7.82  
Range 2.5  
Gain (coarse) AX 20 CIRC 20 dB  
Gain (fine) 10 18 dB  
Reference Sensitivity 30 38 dB  
Remarks: /

## SEARCH UNIT

Serial No. G20839  
Size .25  
Frequency 2.25 MHz  
Mode SHEAR  
Nom. Angle 45 °  
Measured Angle 46 °  
Cable Type RG-174/U  
Cable Length 6'  
Remarks: .2" EXIT POINT TO  
FRONT OF WEDGE

## CALIBRATION BLOCK

No. HT-2P4518 1-B  
T .3" Dia. 3.0"  
Temperature 68 °F  
Thermometer S/N SEP-9001

## CALIBRATION

0° ☒ Axial ☒ Circ. ☒  
Metal Path ☒ Depth ☒  
Each Major Screen Div. = .2  
Remarks 2.0" SCREEN

## VERTICAL LINEARITY

AMPLITUDE % FSH

	HIGH	LOW		HIGH	LOW
1	100	50	6	50	25
2	90	45	7	40	20
3	80	40	8	30	15
4	70	35	9	20	10
5	60	30	10	10	5

## AMPL. CONTROL LINEARITY

INITIAL	dB	RESULT
80	-6	41
80	-12	21
40	+6	78
20	+12	75

## CAL. CHECKS

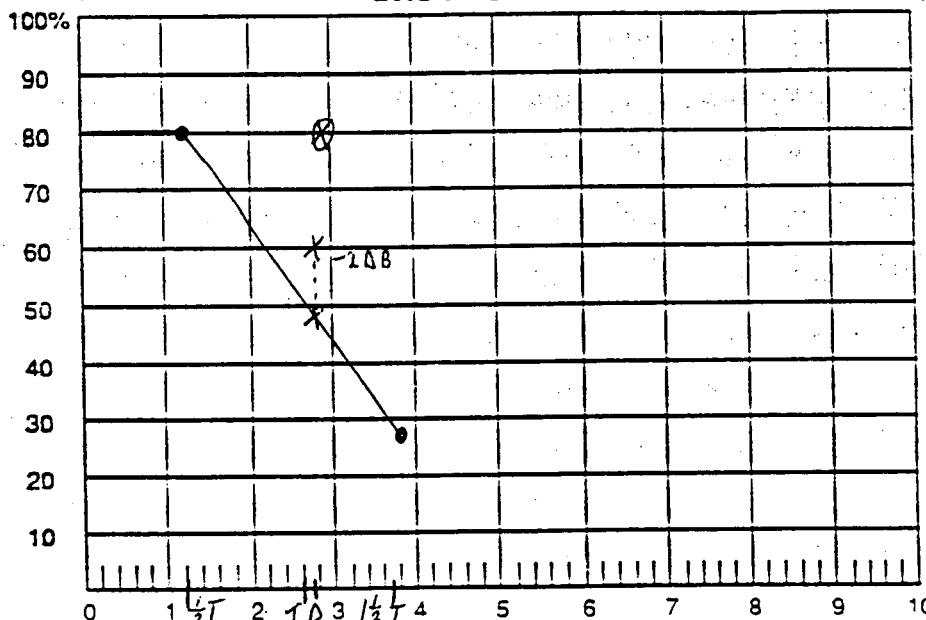
## TIME

INITIAL CAL.	0114
INTERMEDIATE	N/A
INTERMEDIATE	N/A
INTERMEDIATE	N/A
FINAL CAL.	0200

## COUPLANT

Brand ULTRAGEL II  
Batch No. 092 041

## DAC PLOT



REMARKS: X = AXIAL  
O = CIRC

EXAMINERS

1

Edward R. Donovan

2

N/A

REVIEWERS

1

Dee V. V. V.

2

Richard B. Weber

3

Ch. Ch. Ch.

LEVEL

II

LEVEL

N/A

LEVEL

III

LEVEL

N/A

LEVEL

AN 11

DATE

4-25-92

DATE

N/A

DATE

4/27/92

DATE

5/1/92

DATE

5-13-92

**nes**

NUCLEAR ENERGY SERVICES, INC.

DATA SHEET NO. 1089-11  
PAGE 2 OF 3

# ULTRASONIC CALIBRATION DATA SHEET

PROC. NO. SP 1089  
REV. 0  
CHANGE NO. N/A

## INSTRUMENT

Model USK 7  
Serial No. 27276 3784  
Sweep Length 426 Delay 266  
Range 2.5  
Gain (coarse) 20 dB  
Gain (fine) 10 dB  
Reference Sensitivity 30 dB  
Remarks: +8 DB To BRING I.D  
NOTCH UP To DAC

## SEARCH UNIT

Serial No. B27400  
Size 2.5  
Frequency 2.25 MHz  
Mode SHEAR  
Nom. Angle 60 °  
Measured Angle 62 °  
Cable Type RG-174/U  
Cable Length 6'  
Remarks: 4" EXIT POINT To  
FRONT OF WEDGE

## CALIBRATION BLOCK

No. HT-2P4518 1-B  
T 3" Dia. 3"  
Temperature 68 °F  
Thermometer S/N SEP-9001

## CALIBRATION

0° ☒ N/A Axial ☒ Circ. ☒ N/A  
Metal Path ☒ Depth ☒ N/A  
Each Major Screen Div. = .2  
Remarks 2.0" SCREEN

## VERTICAL LINEARITY

### AMPLITUDE % FSH

	HIGH	LOW		HIGH	LOW
1	100	50	6	50	25
2	90	45	7	40	20
3	80	40	8	30	15
4	70	35	9	20	10
5	60	30	10	10	5

## AMPL. CONTROL LINEARITY

INITIAL	dB	RESULT
80	-5	41
80	-12	21
40	+6	77
20	+12	74

## CAL. CHECKS

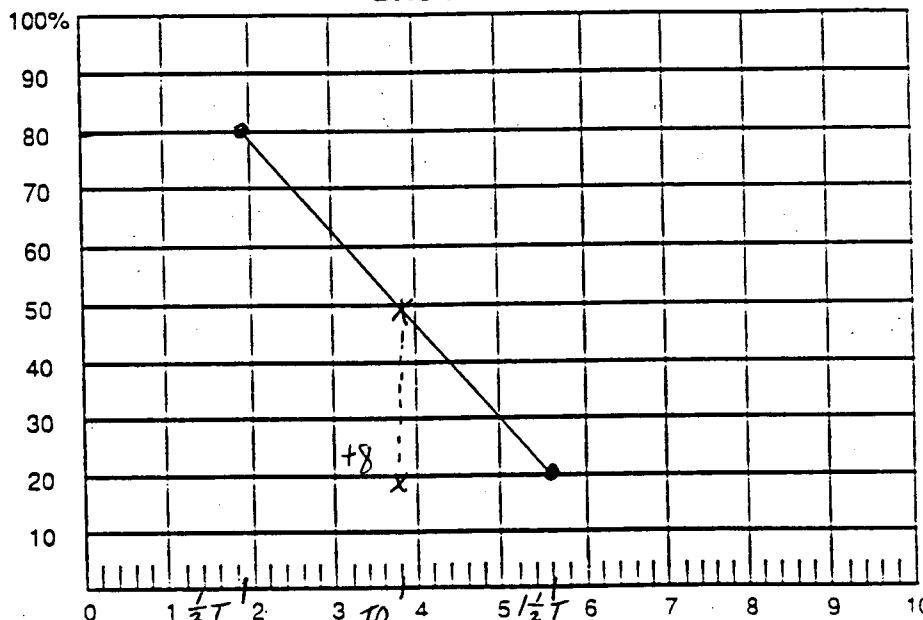
### TIME

INITIAL CAL	0122
INTERMEDIATE	N/A
INTERMEDIATE	N/A
INTERMEDIATE	N/A
FINAL CAL	0202

## COUPLANT

Brand ULTRA-CEL II  
Batch No. 092 041

## DAC PLOT



REMARKS:

N  
A

EXAMINERS

1 Edward R. Dawson

LEVEL I

DATE 4-25-92

2 N/A

LEVEL N/A

DATE N/A

REVIEWERS

1 Dale M. Mendenhall

LEVEL II

DATE 4/27/92

2 Richard B. Hughes

LEVEL N/A

DATE 5/1/92

3 SP. Calibration

LEVEL AN/II

DATE 5-13-92

**nes**

NUCLEAR ENERGY SERVICES, INC.

PLAN/UNIT HB ROBINSON UNIT-2DATA SHEET NO. 1089-11PAGE 3 OF 3EXAMINATION  
DATA SHEETPROCEDURE NO. SP 1089REVISION/CHANGE NO. 0COMPONENT/SYSTEM HP SISISO/DWG. NO. CPL-240 REV. 0THERMOMETER SN SEP-9001COMPONENT TEMP. 70 ° F

EXAMINATION WELD/AREA

PL-240-10 Plus 2 1/2" Long  
seam

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	1	=	↗	YES	NO	ACC.	REJ.
N/A	45	N/A	N/A	N/A	<del>NO</del>	<del>ACC.</del>	N/A

WELD CROWN LIMITATION



YES



NO

AREA SCANNED

PIPE TO ELBOW BOTH SIDES COMPLETE

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	1	=	↗	YES	NO	ACC.	REJ.
N/A	N/A	45	N/A	N/A	<del>NO</del>	<del>ACC.</del>	N/A

WELD CROWN LIMITATION



YES



NO

AREA SCANNED

PIPE TO ELBOW COMPLETE

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	1	=	↗	YES	NO	ACC.	REJ.
N/A	60	N/A	N/A	N/A	<del>NO</del>	<del>ACC.</del>	N/A

WELD CROWN LIMITATION



YES



NO

AREA SCANNED

PIPE TO ELBOW BOTH SIDES COMPLETE60° Parallel scan not possible due to ID/OD ratio

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	1	=	↗	YES	NO	ACC.	REJ.

WELD CROWN LIMITATION



YES



NO

AREA SCANNED

N/A

SEE ATTACHED I.E.R.

REVIEWERS:

1 William H. Donovan LEVEL II DATE 4-25-92

2 N/A LEVEL N/A DATE N/A

1 Nate Woodward LEVEL III DATE 4/27/92

2 Richard B. Wilson LEVEL N/A DATE 5/1/92

3 JP Wallaert LEVEL III DATE 5/13/92



NUCLEAR ENERGY SERVICES, INC.

DATA SHEET NO. 1089-6  
PAGE 1 OF 3

# ULTRASONIC CALIBRATION DATA SHEET

PROC. NO. SP-1089  
REV. 0  
CHANGE NO. N/A

## INSTRUMENT

Model KBI-USK-7  
Serial No. 27276-3409  
Sweep Length 3.97 Delay 7.82  
Range 2.5  
Gain (coarse) 20 dB  
Gain (fine) 24 dB  
Reference Sensitivity 44 dB  
Remarks: DAE gain; 20 + 18  
+6dB to bring Notch to DAC

## SEARCH UNIT

Serial No. C09318  
Size 0.25"  
Frequency 2.25 MHz  
Mode SHEAR  
Nom. Angle 60 °  
Measured Angle 62 °  
Cable Type BNC To MICRODOT  
Cable Length 6'  
Remarks: N/A

## CALIBRATION BLOCK

No. CPL-23  
T .438 Dia. 3"  
Temperature 72 °F  
Thermometer S/N JL91-05  
COMPONENT = 68°

## CALIBRATION

0° ☒ N/A Axial ☒ Circ. ☒ N/A  
Metal Path ☒ Depth ☒ N/A  
Each Major Screen Div. = 0.20"  
Remarks 2" SCREEN CAL'D  
USING RUMPKS BLOCK

## VERTICAL LINEARITY

AMPLITUDE % FSH

	HIGH	LOW		HIGH	LOW
1	100	50	6	50	24
2	90	45	7	40	19
3	80	40	8	30	14
4	70	35	9	20	9
5	60	30	10	N/A	

## AMPL. CONTROL LINEARITY

INITIAL	dB	RESULT
80	-6	40
80	-12	19
40	+6	81
20	+12	82

## CAL. CHECKS

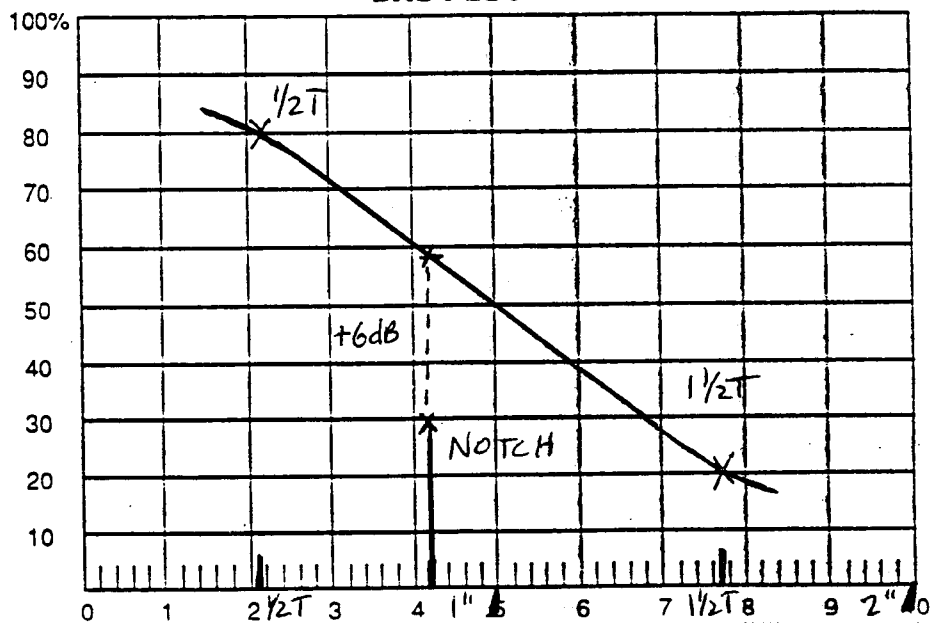
## TIME

INITIAL CAL.	20:00
INTERMEDIATE	
INTERMEDIATE	N/A
INTERMEDIATE	
FINAL CAL.	21:30

## COUPLANT

Brand ULTRAGEL II  
Batch No. 092041

## DAC PLOT



REMARKS: +6dB TO BRING ID NOTCH TO THE DAC CURVE.  
SEE PAGE #3 FOR ROOT GEOMETRY SEEN  
SCAN LIMITATION AT SLIGHTLY LOWER THAN  
RECORDABLE LEVEL.  
CD 4-16-92 N/A CD 4-16-92

## EXAMINERS

1

Chiff Moss  
N/A

## LEVEL

II

## DATE

4-16-92

## REVIEWERS

1

Ed. Myer  
Richard B. Seiber  
JP. Williams

## LEVEL

II

## DATE

4/18/92

PLANT/UNIT HB ROBINSON UNIT #2

DATA SHEET NO. 1089-6

PAGE 2 OF 3

EXAMINATION  
DATA SHEET

PROCEDURE NO. SP-1089

REVISION/CHANGE NO. 0 / N/A

(HPSIS) COMPONENT/SYSTEM CPL-240-10

ISO/DWG. NO. CPL-240 REV. 0

THERMOMETER S/N JL91-05

COMPONENT TEMP. 68 ° F

EXAMINATION WELD/AREA

CPL-240-10

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↘	YES	NO	ACC.	REJ.
N/A	X	N/A	N/A	N/A	X		N/A

4-16-92

CA

WELD CROWN LIMITATION

☒ YES☒ NO

AREA SCANNED

Superseded by data PKg 1089-11

PIPE TO ELBOW WELD, COMPLETE AXIAL ONLY. CIRC EXAM NOT PERFORMED  
DUE TO ID/OD RATIO CAUSING BEAM TO MISS THE I.D. SURFACE, 2.5T  
OF LONG SEAM ALSO NOT EXAMINED (INNER 1/3T) DUE TO SAME REASONING.

SEE PAGE # 3

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↘	YES	NO	ACC.	REJ.

WELD CROWN LIMITATION

☐ YES☐ NO

AREA SCANNED

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↘	YES	NO	ACC.	REJ.

WELD CROWN LIMITATION

☐ YES☐ NO

AREA SCANNED

N/A

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↘	YES	NO	ACC.	REJ.

WELD CROWN LIMITATION

☐ YES☐ NO

AREA SCANNED

SEE ATTACHED I.E.R.

1 Chf Moss LEVEL II DATE 4-16-92  
2 N/A LEVEL N/A DATE N/A

REVIEWERS:

1 Del Muroch LEVEL II DATE 4/18/92  
2 Richard B. Weber LEVEL N/A DATE 5/18/92  
3 Phyllis Adams LEVEL N/A DATE 5/18/92

NES

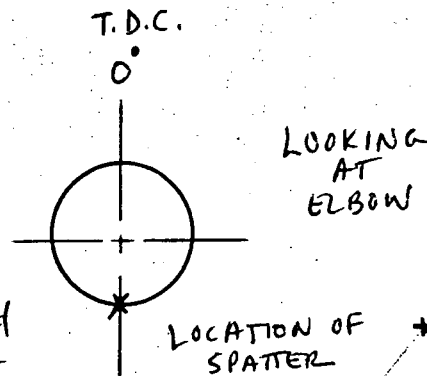
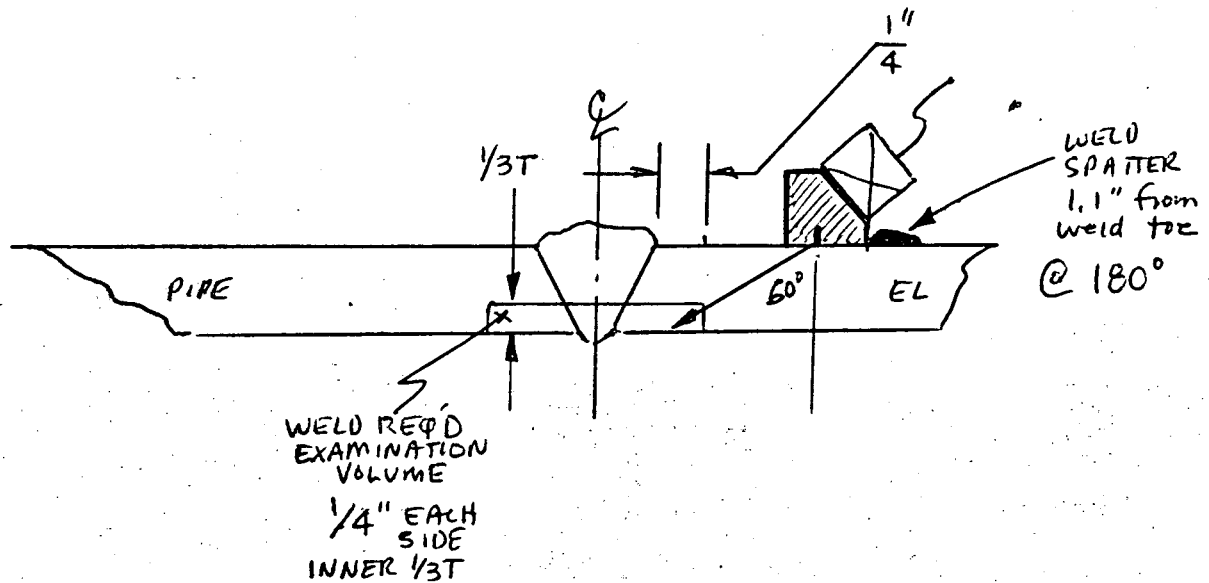
NUCLEAR ENERGY SERVICES, INC.



# 1125

PAGE 3 OF 3DATA SHEET NO. 1087-6EXAM ITEM CPL-240-10ISO DWG. NO. CPL-240 REV. 10

## SKETCH SHEET



NOTE: With Beam Spread this weld should be considered complete: for AXIAL exam only.

CIRC & 2.5T OF LONG SEAM INCOMPLETE

EXAMINER Cliff MossLEVEL IIDATE 4-16-92EXAMINER Dale MendenhallLEVEL IVDATE 4/18/92REVIEWER Richard B. WeberLEVEL N/ADATE 5/18/92REVIEWER R. Mendenhall ANITDATE 5/18/92

REVIEWER \_\_\_\_\_

DATE \_\_\_\_\_

# ULTRASONIC CALIBRATION DATA SHEET

PROC. NO. SP 7089  
REV. 0  
CHANGE NO. N/A

## INSTRUMENT

Model USK-7  
Serial No. 27276-3789  
Sweep Length 9.63 Delay 7.26  
Range 5  
Gain (coarse) 20 gain / 20 circ. dB  
Gain (fine) 20 gain / 34 circ. dB  
Reference Sensitivity 40 Axial / 54 Circ. dB  
Remarks: /

## SEARCH UNIT

Serial No. G 20839  
Size .25"  
Frequency 2.25 MHz  
Mode shear  
Nom. Angle 45 °  
Measured Angle 46 °  
Cable Type MDOT-BNC  
Cable Length 6'  
Remarks: /

## CALIBRATION BLOCK

No. CPL-23  
T<sub>r</sub> .44" Dia. 3"  
Temperature 50 ° F  
Thermometer S/N 58090-01

## CALIBRATION

0° ☒ N/A Axial ☒ Circ. ☒  
Metal Path ☒ Depth ☒ N/A  
Each Major Screen Div. = .20"  
Remarks 2" Screen

## VERTICAL LINEARITY

AMPLITUDE % FSH

	HIGH	LOW		HIGH	LOW
1	100	50	6	50	25
2	90	45	7	40	20
3	80	40	8	30	15
4	70	35	9	20	10
5	60	30	10	10	5

## AMPL. CONTROL LINEARITY

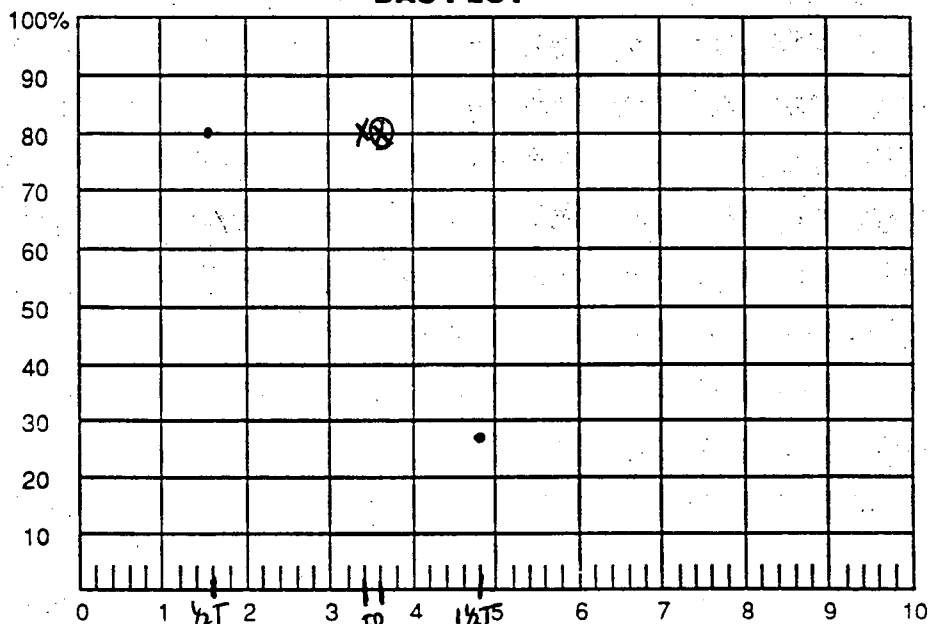
INITIAL	dB	RESULT
80	-6	40
80	-12	20
40	+6	81
20	+12	80

## CAL. CHECKS

## TIME

INITIAL CAL.	0145
INTERMEDIATE	N/A
INTERMEDIATE	N/A
INTERMEDIATE	N/A
FINAL CAL.	0250

## DAC PLOT



REMARKS:

X - axial scan notch  
O - circ. scan notch

Exit Point to wedge front edge = .2"

EXAMINERS

1 Dale Murbach  
2 N/A

LEVEL

III

DATE

4/5/92

REVIEWERS

1 Richard R. Dorman  
2 Richard B. Weber  
3 Richard B. Weber  
AP Wellhouse

LEVEL

II

DATE

4-6-92

LEVEL

N/A

DATE

4/25/92

LEVEL

N/A

DATE

5/18/92

ANTI

**nes**

NUCLEAR ENERGY SERVICES, INC.

# ULTRASONIC CALIBRATION DATA SHEET

PROC. NO. SP-1089  
REV. 0  
CHANGE NO. N/A

## INSTRUMENT

Model USK-7  
Serial No. 27276, 3702  
Sweep Length 5.22 Delay 7.62  
Range .5  
Gain (coarse) 20 dB  
Gain (fine) 16 dB  
Reference Sensitivity 36 dB  
Remarks: 1st B/R set at 80% FSH

## SEARCH UNIT

Serial No. KB 10175  
Size 1/2" Dual  
Frequency 2.25 MHz  
Mode Long  
Nom. Angle 0 °  
Measured Angle N/A °  
Cable Type Self contained  
Cable Length 6'  
Remarks: Used 2.25 MHz to  
improve signal to noise  
ratio

## CALIBRATION BLOCK

No. Component  
T .42" Dia. 3"  
Temperature 50 ° F  
Thermometer S/N SEP 90-01

## CALIBRATION

0° ☒ Axial ☒ Circ. ☒  
Metal Path ☒ Depth ☒  
Each Major Screen Div. = 10  
Remarks 1" screen

## VERTICAL LINEARITY

AMPLITUDE % FSH

	HIGH	LOW		HIGH	LOW
1	100	50	6	50	25
2	90	45	7	40	20
3	80	40	8	30	15
4	70	35	9	20	10
5	60	30	10	10	5

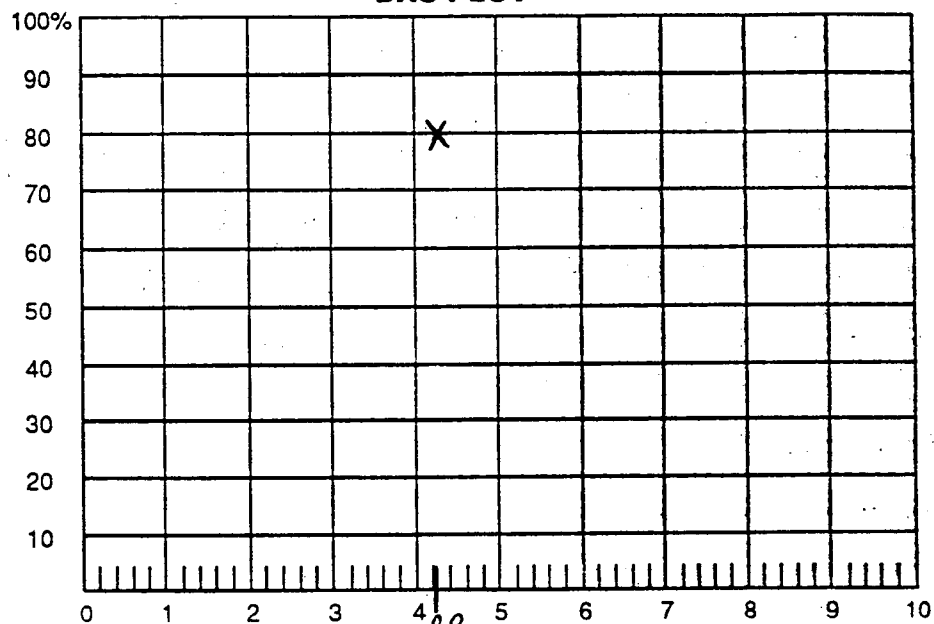
## COUPLANT

Brand ultrage 1 II  
Batch No. 092041

## AMPL. CONTROL LINEARITY

INITIAL	dB	RESULT
80	-6	40
80	-12	20
40	+6	80
20	+12	80

## DAC PLOT



## CAL. CHECKS

## TIME

INITIAL CAL.	0200
INTERMEDIATE	N/A
INTERMEDIATE	N/A
INTERMEDIATE	N/A
FINAL CAL.	0250

REMARKS:

EXAMINERS

1 Dale Minkrel  
2 N/A

LEVEL III

DATE 4/5/92

REVIEWERS

1 Edmund R. Donovan  
2 Richard B. Weber  
3 R. M. Williams

LEVEL II

DATE 4/6/92

LEVEL N/A

DATE 5/19/92

LEVEL ANTI

DATE 5/18/92



NUCLEAR ENERGY SERVICES, INC.

DATA SHEET NO. 1089-3-1089-2PAGE 3 OF 4

# ULTRASONIC CALIBRATION DATA SHEET

PROC. NO. SP-1093REV. 0CHANGE NO. N/A

## INSTRUMENT

Model USK-7  
 Serial No. 27276.3702  
 Sweep Length 5.22 Delay 7.62  
 Range .5  
 Gain (coarse) N/A dB  
 Gain (fine) N/A dB  
 Reference Sensitivity N/A dB  
 Remarks: /

## SEARCH UNIT

Serial No. KB 10175  
 Size 1/2" Dual  
 Frequency 2.25 MHz  
 Mode Long  
 Nom. Angle 0°  
 Measured Angle N/A°  
 Cable Type self contained  
 Cable Length 6'  
 Remarks: /

## CALIBRATION BLOCK

No. Mini IFW 86-3269  
 "T" N/A Dia. N/A  
 Temperature 50° F  
 Thermometer S/N SEP 90-01

## CALIBRATION

0° ☒ Axial ☒ Circ. ☒  
 Metal Path ☒ Depth ☒  
 Each Major Screen Div. = .10"  
 Remarks 1" screen for  
thickness measurement

## VERTICAL LINEARITY

### AMPLITUDE % FSH

	HIGH	LOW		HIGH	LOW
1	100	50	6	50	25
2	90	45	7	40	20
3	80	40	8	30	15
4	70	35	9	20	10
5	60	30	10	10	5

## AMPL. CONTROL LINEARITY

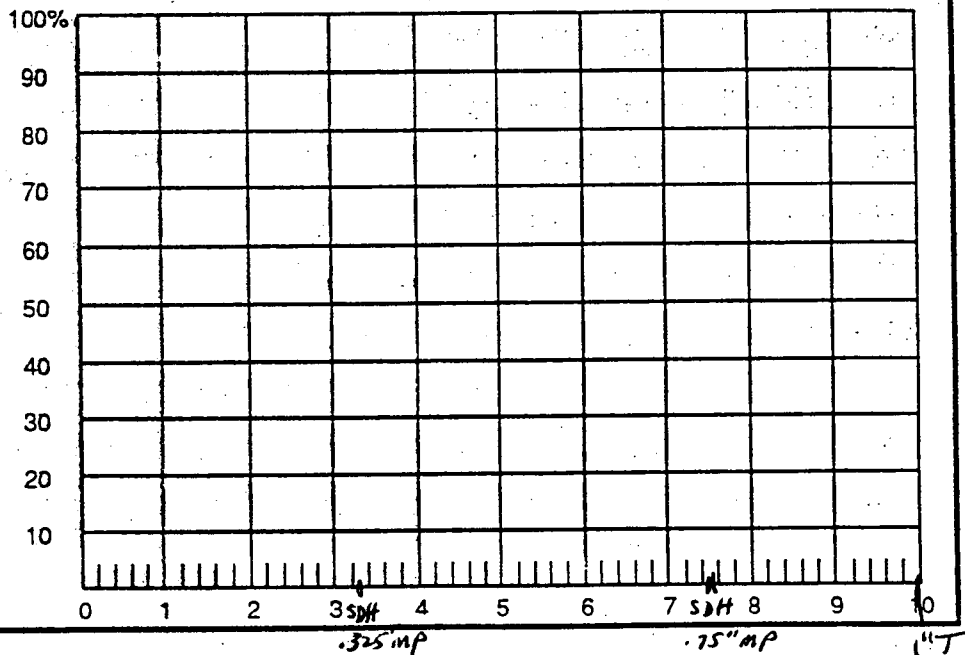
INITIAL	dB	RESULT
80	-6	40
80	-12	20
40	+6	80
20	+12	90

## CAL. CHECKS

## TIME

INITIAL CAL.	0200
INTERMEDIATE	N/A
INTERMEDIATE	N/A
INTERMEDIATE	N/A
FINAL CAL.	0250

## DAC PLOT

REMARKS: /

EXAMINERS

1.

Dale Murch

LEVEL

IT

DATE

4/5/92

2.

N/A

LEVEL

N/A

DATE

N/A

REVIEWERS

1.

Charles R. Dargatz

LEVEL

IT

DATE

4-6-92

2.

Richard B. Weber

LEVEL

N/A

DATE

5/9/92

3.

CP Mollad

LEVEL

IT

DATE

5/10/92

NUCLEAR ENERGY SERVICES, INC.

PLANT/UNIT HBR UNIT 2  
DATA SHEET NO. 1089-2  
PAGE 4 OF 4

## EXAMINATION DATA SHEET

PROCEDURE NO. SP-1089  
REVISION/CHANGE NO. 0  
COMPONENT/SYSTEM SI  
ISO/DWG. NO. CPL-240 REV. 0  
THERMOMETER S/N SEP 90-01  
COMPONENT TEMP. 56 ° F

### EXAMINATION WELD/AREA

CPL-240-10 and 2 1/2 T of Long

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↗	YES	NO	ACC.	REJ.
<input checked="" type="checkbox"/>	N/A	N/A	N/A	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

WELD CROWN LIMITATION

☒ YES ☒ NO

### AREA SCANNED

Scanned Volume That angle beam passed through

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↗	YES	NO	ACC.	REJ.
N/A	<input checked="" type="checkbox"/>	N/A	N/A	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

WELD CROWN LIMITATION

☒ YES ☒ NO

### AREA SCANNED

Pipe to Elbow weld complete  
Superseded by data PKg 1089-11

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↗	YES	NO	ACC.	REJ.
N/A	N/A	<input checked="" type="checkbox"/>	N/A	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

WELD CROWN LIMITATION

☒ YES ☒ NO

### AREA SCANNED

Pipe to Elbow weld complete  
Superseded by data PKg 1089-11

SCAN USED				RECORDABLE INDICATIONS		EVALUATION	
0°	I	=	↗	YES	NO	ACC.	REJ.

WELD CROWN LIMITATION

☐ YES ☐ NO

### AREA SCANNED

SEE ATTACHED I.E.R.

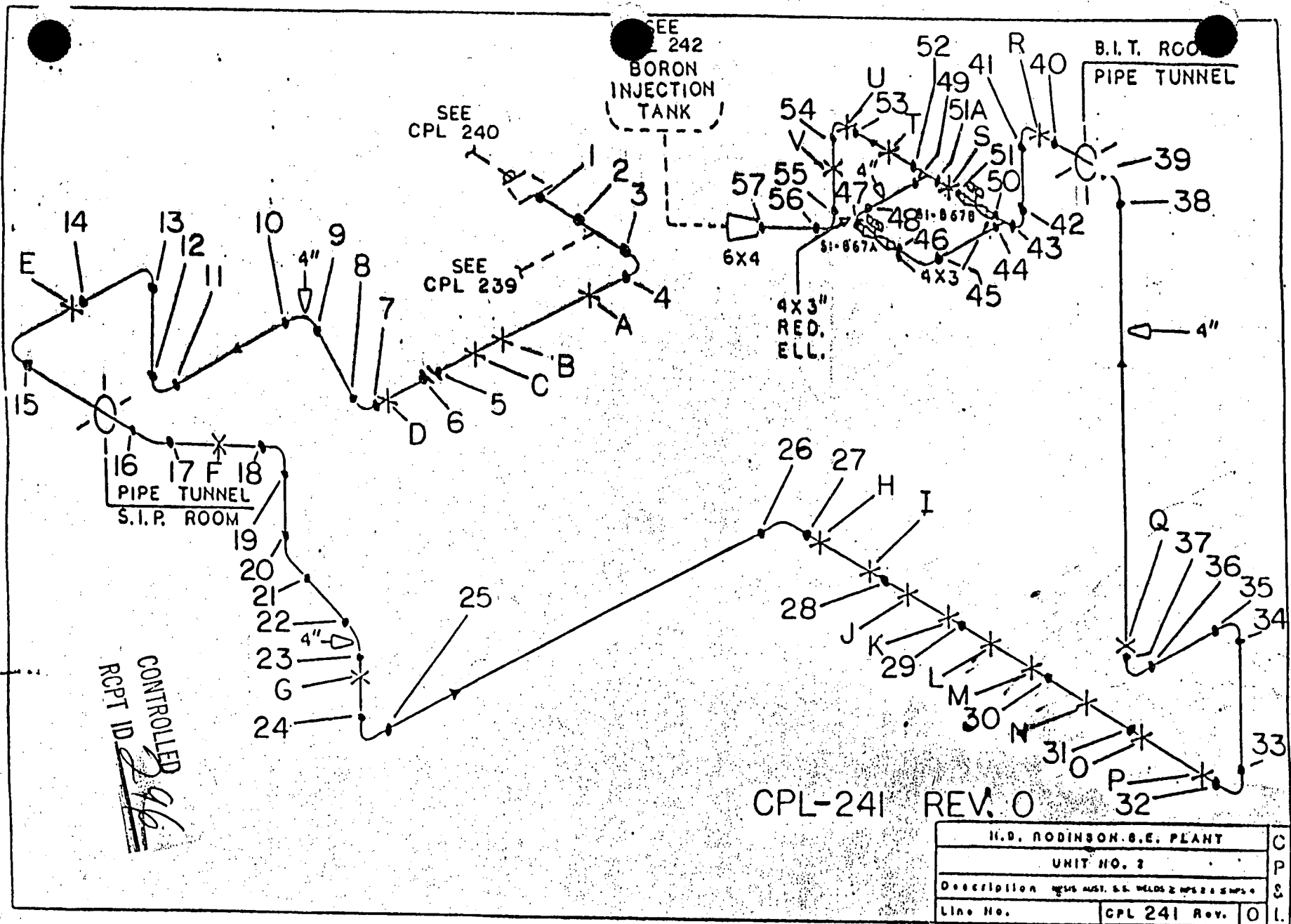
REVIEWERS:

1 Dale Murdoch LEVEL II DATE 4/5/92  
2 N/A LEVEL N/A DATE N/A

1 Edmund L. Doman LEVEL II DATE 4-8-92  
2 Richard B. Weber LEVEL N/A DATE 5/18/92  
3 CPulladan LEVEL N/A DATE 5/18/92

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NUCLEAR ENERGY SERVICES, INC.



CP & L Dwg. No. HBR2-10618 SH-107					
CP & L P.O. No. CPL 51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	CPL	CLO	CLO	12/12/89

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-38

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SI</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-241-A</u>
-------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL 241 REV 0 / SI PUMP RM

[X] VT-3 PROCEDURE: SP 1097 AP4-7-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <u>[X] N/A</u>
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input checked="" type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input checked="" type="checkbox"/> VARIABLE SUPPORT <input type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHMENT
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	/
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	/
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: SCALE PAINTED OVER. SET AT 1/8" ABOVE COLD SET.			
SNUBBER	ACTUAL:	N/A	STROKE:	N/A S/N N/A

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art Pomeroy LEVEL: II DATE: 4-6-92

REVIEWER: Chf Moss LEVEL: II DATE: 4-8-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/13/92

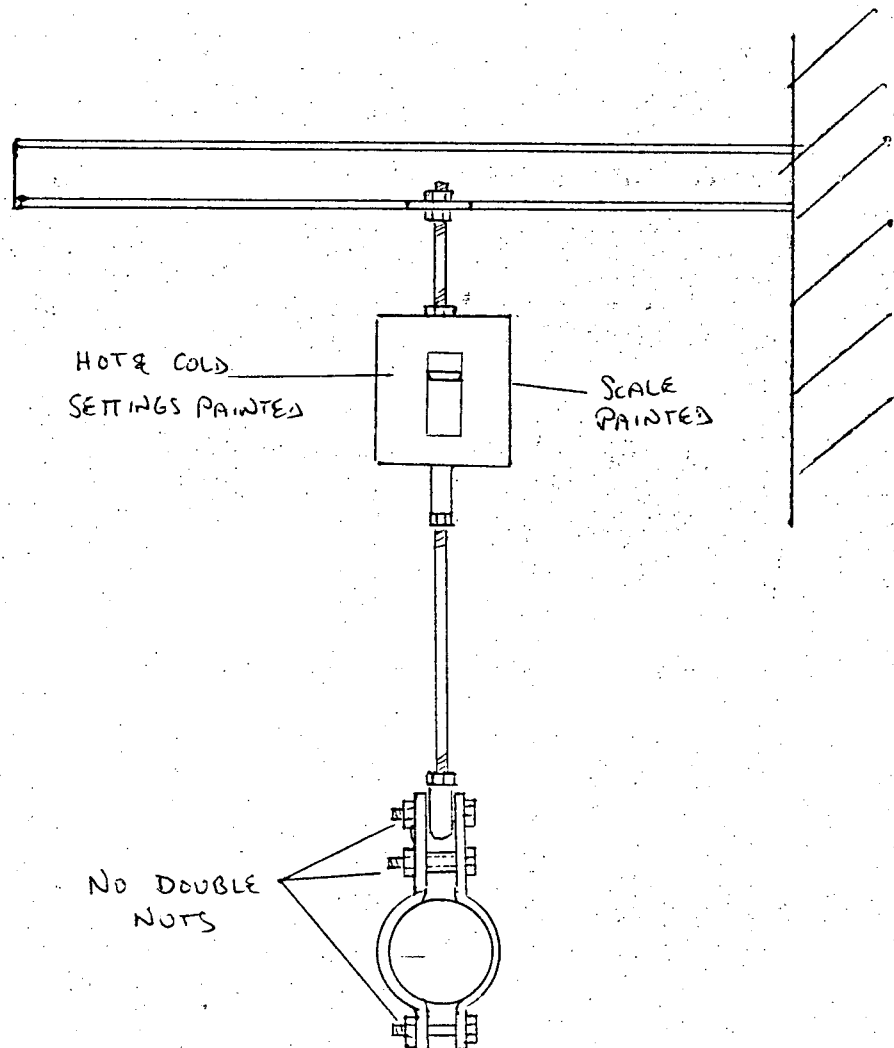
REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4-14-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-38  
EXAM ITEM CPL 241-A  
ISO DWG. NO. CPL 241 REV. 0

## SKETCH SHEET



EXAMINER Art P...  
EXAMINER N/A  
REVIEWER Edmund R. Donovan  
REVIEWER Richard B. Weber  
REVIEWER SW

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/13/92  
DATE

DATE 4-6-92  
DATE N/A  
DATE 4-7-92



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-57

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

SI

COMPONENT

NAME:

SUPPORT

COMPONENT

ID NO.:

CPL 241-B

DWG./LOC.: CPL 241 REV 0 / SI PUMP ROOM

☒ VT-3 PROCEDURE: SP 1097 AP 4-7-92  
NDEP-613 REV.: 0

☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO:

☒ N/A

EQUIPMENT USED:

☒ FLASHLIGHT ☒ MIRROR

☒ OTHER 6" SCALE

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER

☐ CONSTANT SUPPORT

☐ MECHANICAL SNUBBER

☐ VARIABLE SUPPORT

☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		
MISALIGNMENT		✓		
DEBRIS	✓			
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT	✓			
CLEARANCES OF MOVING PARTS			✓	SEE CLEARANCES ON ATTACHMENT
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: N/A RECORDABLE INDICATIONS  
AP 4-8-92

EXAMINER: Art Pennington

LEVEL: II

DATE: 4-6-92

REVIEWER: Edmund R. Donovan (M)

LEVEL: II

DATE: 4-7-92

COMPONENT CONDITION: ☐ SATISFACTORY

☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/13/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares

DATE: 4-14-92

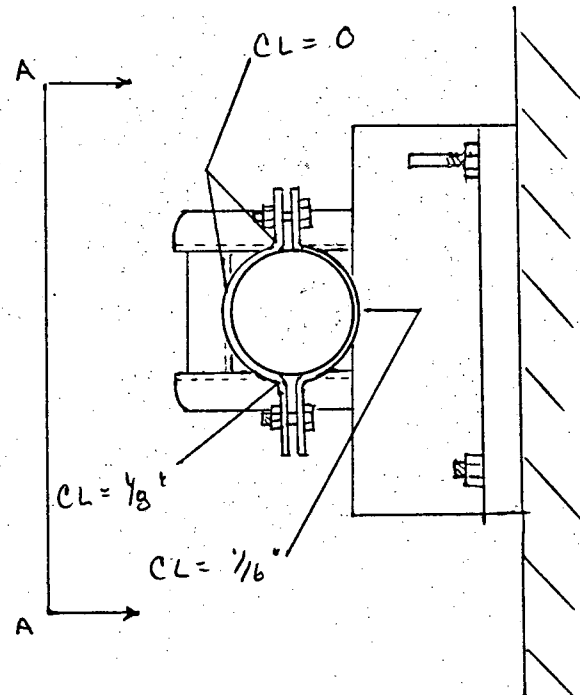
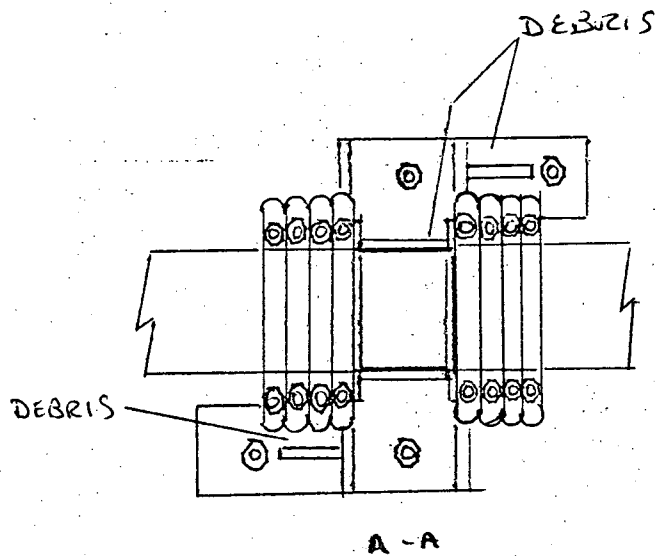
# 1125

PAGE 2 OF 2

DATA SHEET NO. \_\_\_\_\_

EXAM ITEM CPL 241-BISO DWG. NO. CPL 241 REV. 0

## SKETCH SHEET

EXAMINER [Signature]EXAMINER N/AREVIEWER [Signature]REVIEWER [Signature]REVIEWER [Signature]LEVEL IILEVEL N/ALEVEL IIDATE 4/13/92

DATE \_\_\_\_\_

DATE 4-6-92DATE N/ADATE 4-7-92

# CP&L

Carolina Power & Light Company  
VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-246

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: HPSIS COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-241-B

DWG./LOC.: CPL-241 REV-0 / SI PUMP ROOM

☒ VT-3 PROCEDURE: SP1097 ERO 5-1-92 NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR  
☒ OTHER 6" JCALC  
TYPE OF COMPONENT SUPPORT:  
☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT			<input checked="" type="checkbox"/>	
DEBRIS			<input checked="" type="checkbox"/>	
CORROSION/EROSION			<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS  
RE-EXAM TO CHECK GAPS FOR PIPE CLAMPS

EXAMINER: Edmund R. Dawson LEVEL: II DATE: 5-1-92

REVIEWER: Art Purnan LEVEL: II DATE: 5-2-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/2/92

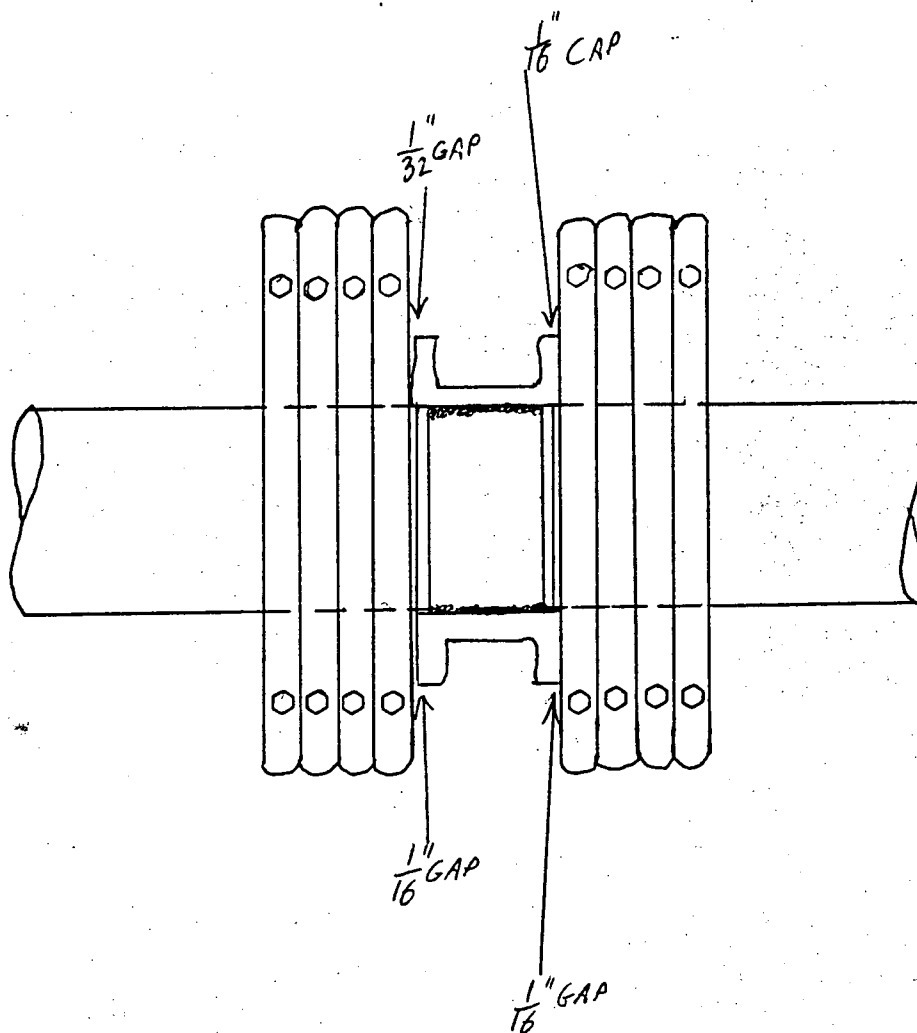
REVIEWERS COMMENTS:

ANII REVIEW: W. Palladino DATE: 5-4-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-246  
EXAM ITEM CPL-241-B  
ISO DWG. NO. CPL-241 REV. 0

## SKETCH SHEET



EXAMINER Charles R. Danna  
EXAMINER NA  
REVIEWER W. P. Pinner  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 5/2/92  
DATE \_\_\_\_\_

DATE 5-1-92  
DATE NA  
DATE 5-2-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-39

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SI</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 241-C</u>
-------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL 241 REVO / SI PUMP RM.

[X] VT-3 PROCEDURE: <sup>SP 1097 AP 4-7-92</sup>~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <u>X1 N/A</u>
EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [X] VARIABLE SUPPORT [ ] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>			SEE ATTACHMENT
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT		<input checked="" type="checkbox"/>		
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: $\frac{1}{8}$ " ABOVE COLD SET, $\frac{5}{8}$ " DEFLECTION, 400 <sup>TH</sup>			
SNUBBER	ACTUAL: <u>N/A</u>	STROKE: <u>N/A</u>	S/N: <u>N/A</u>	

COMMENTS: GRINNELL FIG. 82, SIZE 6, TYPE A  
RECORDABLE INDICATIONS

EXAMINER: Art Pearson LEVEL: II DATE: 4-6-92

REVIEWER: Chf Mass dm LEVEL: II DATE: 4-8-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/13/92

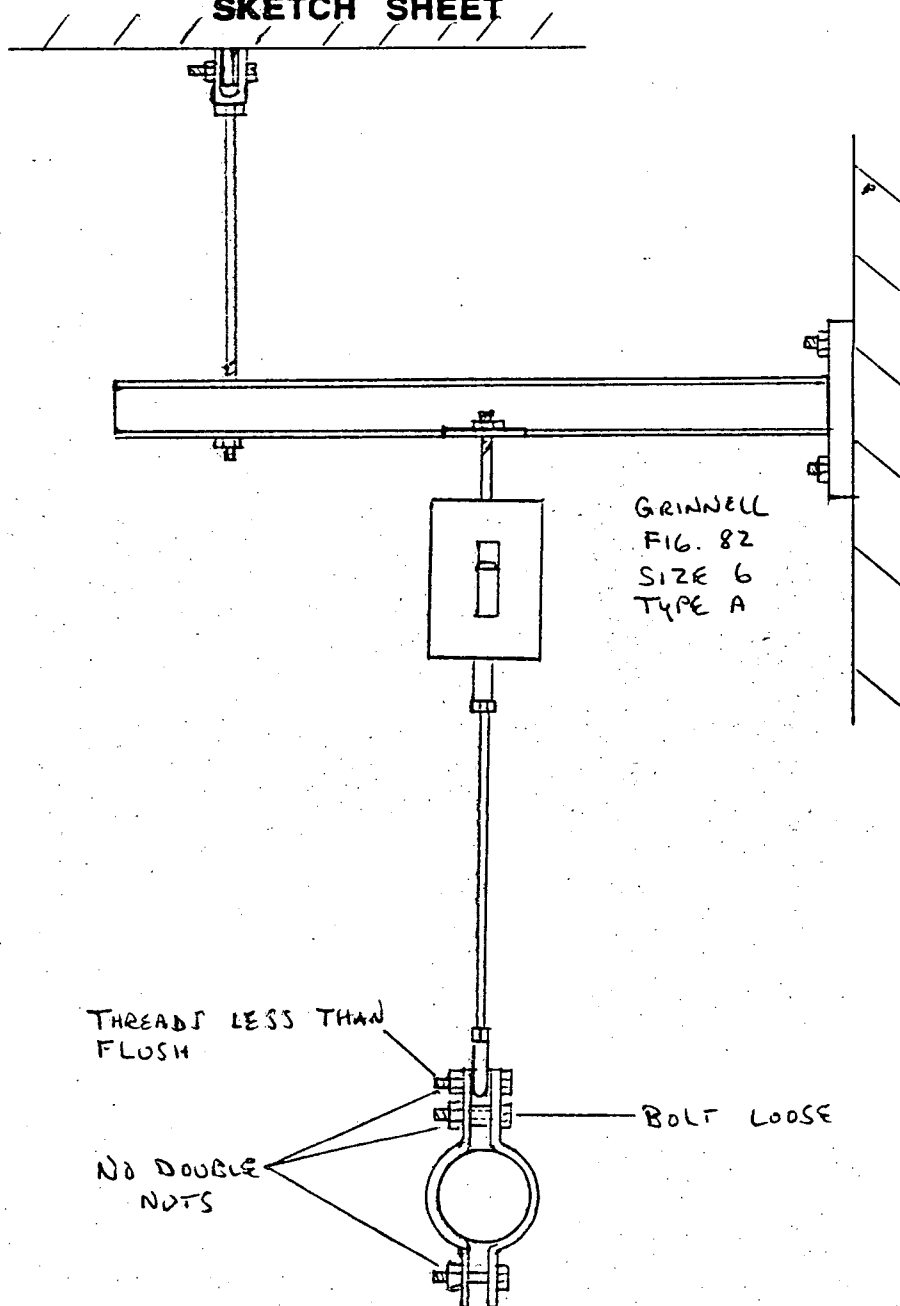
REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4-14-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-39EXAM ITEM CPL 241-CISO DWG. NO. CPL 241 REV. 0

## SKETCH SHEET

EXAMINER Cert. P. [Signature]LEVEL IIDATE 4-6-92EXAMINER N/ALEVEL N/ADATE N/AREVIEWER Edmund R. DonovanLEVEL IIDATE 4-7-92REVIEWER Richard P. WeberDATE 4/13/92REVIEWER [Signature]

DATE \_\_\_\_\_

# CP&L

Cable Power & Light Company

## VISUAL EXAMINATION DATA SHEET

268  
REPORT NO. 1097-258  
WR&A # N/A QW 7/1/92  
PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>HPSIS</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-241-C</u>
-------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-241 REV-0 / SI PUMP ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 5-7-92  
NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <span style="float: right;"><input checked="" type="checkbox"/> N/A</span>
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <span style="margin-left: 20px;"><input checked="" type="checkbox"/> MIRROR</span> <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <span style="margin-left: 20px;"><input type="checkbox"/> CONSTANT SUPPORT</span> <input type="checkbox"/> MECHANICAL SNUBBER <span style="margin-left: 20px;"><input checked="" type="checkbox"/> VARIABLE SUPPORT</span> <input type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="position: relative; height: 100px;"> <span style="position: absolute; top: 0; right: 0; font-size: 2em;">N</span> <span style="position: absolute; bottom: 0; left: 0; font-size: 2em;">A</span> </div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATION  
RE-EXAM AFTER REPAIR WR/JO 92-AEUC.1

EXAMINER: Richard L. Davison LEVEL: II DATE: 5-6-92

REVIEWER: Pat Sullivan LEVEL: III DATE: 5-7-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/8/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Valladanes DATE: 5-13-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-37

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

SI

COMPONENT

NAME: SUPPORT

COMPONENT

ID NO.: CPL 241-D

DWG./LOC.: CPL 241 REV 0 / SI PUMP RM.

[X] VT-3 PROCEDURE: <sup>SP 1097 AP 4-6-92</sup>~~NDEP-613~~ REV.: 0

☐ VT-4 PROCEDURE: 614 REV.

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO:

☒ N/A

EQUIPMENT USED:

[X] FLASHLIGHT [X] MIRROR

[X] OTHER 6" SCALE

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER

☐ CONSTANT SUPPORT

☐ MECHANICAL SNUBBER

☐ VARIABLE SUPPORT

☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS	
FASTENING DEVICES		✓		/	
MISALIGNMENT		✓			
DEBRIS		✓			N/A
CORROSION/EROSION		✓			/
STRUCTURAL INTEGRITY		✓			
RESISTANCE TO MOVEMENT	✓			SEE ATTACHMENT FOR CLEARANCES	
CLEARANCES OF MOVING PARTS			✓		
ARC STRIKES/GOUGES		✓			
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A				
SNUBBER	ACTUAL: N/A		STROKE: Nm	S/N N/A	

COMMENTS: N/A <sup>AP 4-8-92</sup> RECORDABLE INDICATIONS

EXAMINER: Art. Pannan

LEVEL: II

DATE: 4-6-92

REVIEWER: Chf. Mass PM

LEVEL: II

DATE: 4-8-92

COMPONENT CONDITION: ☐ SATISFACTORY

☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/13/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Malladanes

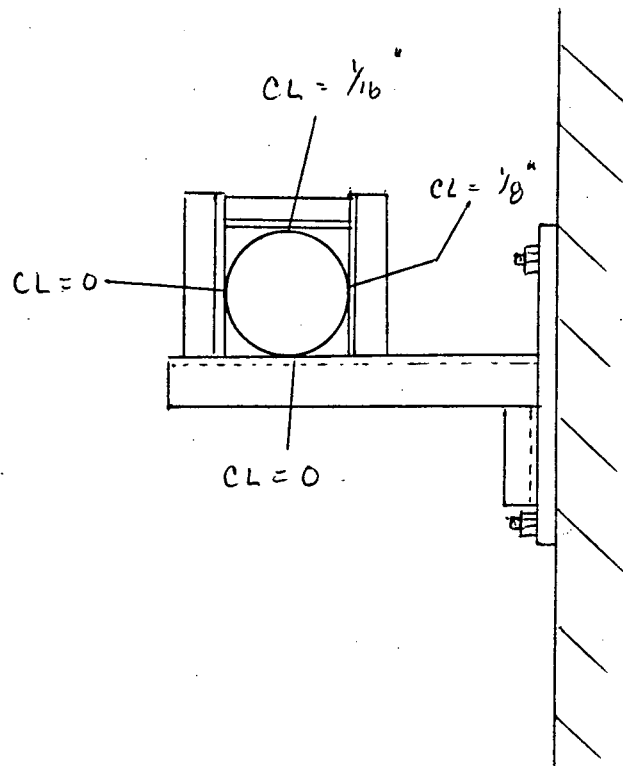
DATE: 4-14-92



# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-37  
EXAM ITEM CPL 241-D  
ISO DWG. NO. CPL 241 REV. 0

## SKETCH SHEET



EXAMINER Art Purnell  
EXAMINER NA  
REVIEWER Edward R. Donovan  
REVIEWER Richard B. Weber  
REVIEWER AM

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/13/92  
DATE \_\_\_\_\_

DATE 4-6-92  
DATE NA  
DATE 4-7-92

## VISUAL EXAMINATION DATA SHEET

 REPORT NO. 1097-40

 WR&A # N/A

 PAGE 1 OF 2

PLANT: <u>H B ROBINSON</u>		UNIT: <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> PSI <input checked="" type="checkbox"/> ISI	
SYSTEM: <u>SI</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 241-E</u>	
DWG./LOC.: <u>CPL 241 REVO / SI PUMP RM.</u>			
[X] VT-3 PROCEDURE: <u>SP1097 AP46-92</u> <del>NDEP-613</del> REV.: <u>0</u>		[ ] VT-4 PROCEDURE: <u>614 REV.: 0</u>	
DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>		VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A	
EQUIPMENT USED:		TYPE OF COMPONENT SUPPORT:	
<input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR		<input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT	
<input type="checkbox"/> OTHER _____		<input type="checkbox"/> MECHANICAL SNUBBER <input checked="" type="checkbox"/> VARIABLE SUPPORT	
<input type="checkbox"/> SUPPORT/HANGER			

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	N/A
CLEARANCES OF MOVING PARTS		✓		
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: $1\frac{1}{4}$ " DEFLECTION, 260° HOT AND COLD SET POINTS NOT VISIBLE.			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>
COMMENTS: <u>GRINNELL FIG. 98 SIZE 5 TYPE C</u>				
<u>RECORDABLE INDICATIONS</u>				
EXAMINER: <u>W. P. Ryan</u>	LEVEL: <u>II</u>		DATE: <u>4-6-92</u>	
REVIEWER: <u>Chf. Mass</u> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">SM</span>	LEVEL: <u>II</u>		DATE: <u>4-8-92</u>	
COMPONENT CONDITION: <input type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY				
REVIEWED BY: <u>Richard B. Weber</u> <u>4/13/92</u>				
REVIEWERS COMMENTS:				
ANII REVIEW: <u>AP Valladares</u> DATE: <u>4/14/92</u>				

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-40EXAM ITEM CPL 241 -EISO DWG. NO. CPL 241 REV. 0

## SKETCH SHEET

NO DOUBLE  
NUTGRINNELL  
FIG. 98  
SIZE 5  
TYPE CNO DOUBLE  
NUTSEXAMINER Art PinnerEXAMINER N/AREVIEWER Edmund R. DownerREVIEWER Richard B. WeberREVIEWER CWLEVEL IILEVEL N/ALEVEL ILDATE 4/13/92

DATE \_\_\_\_\_

DATE 4-6-92DATE N/ADATE 4-7-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-28

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>HPSIS</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-241-F</u>
-------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL 241 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP-1097 ERD 4-1092 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.?

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input checked="" type="checkbox"/> VARIABLE SUPPORT <input type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>320LB.</u> <u>1 5/8" DEFLECTION</u> <u>TYPE A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edmund R Down LEVEL: II DATE: 4-10-92

REVIEWER: Art Purnell AD LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/15/92

REVIEWERS COMMENTS:

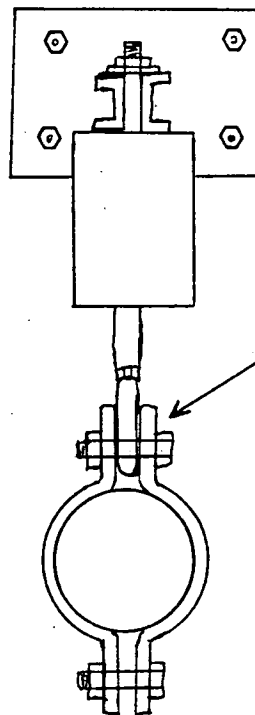
ANII REVIEW: R Wallace

DATE: 4-17-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-128EXAM ITEM CPL 241 FISO DWG. NO. CPL 241 REV. 0

## SKETCH SHEET



NO PIPE CLAMP SPACER  
INSTALLED

EXAMINER Edmund R. DonovanEXAMINER N/AREVIEWER Art PinnerREVIEWER Richard B. WeberREVIEWER AMLEVEL IILEVEL N/ALEVEL IIDATE 4/15/92

DATE \_\_\_\_\_

DATE 4-10-92DATE N/ADATE 4-14-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097713

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ 1 ] [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>S.I.</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-241-G</u>
---------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL-241, Rev 0 / PIPE ALLEY

[X] VT-3 PROCEDURE: SP-1097 en 4-10-92 NOEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: <u>[X]</u> FLASHLIGHT <u>[X]</u> MIRROR <u>[ ]</u> OTHER _____	TYPE OF COMPONENT SUPPORT: <u>[ ]</u> HYDRAULIC SNUBBER <u>[ ]</u> CONSTANT SUPPORT <u>[ ]</u> MECHANICAL SNUBBER <u>[ ]</u> VARIABLE SUPPORT <u>[X]</u> SUPPORT/HANGER
--	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>[X]</u>		N/A
MISALIGNMENT	<u>[X]</u>			Crooked base plate
DEBRIS	<u>[X]</u>			Miscellaneous hardware & dirt
CORROSION/EROSION	<u>[X]</u>			Support is uniformly rusted
STRUCTURAL INTEGRITY		<u>[X]</u>		
RESISTANCE TO MOVEMENT			<u>[X]</u>	N/A
CLEARANCES OF MOVING PARTS			<u>[X]</u>	
ARC STRIKES/GOUGES		<u>[X]</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A STROKE: N/A S/N N/A			

COMMENTS: RECORDABLE INDICATIONS - see page # 2 for details

EXAMINER: Cliff Mass en LEVEL: II DATE: 4-10-92

REVIEWER: Art Pinner en LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

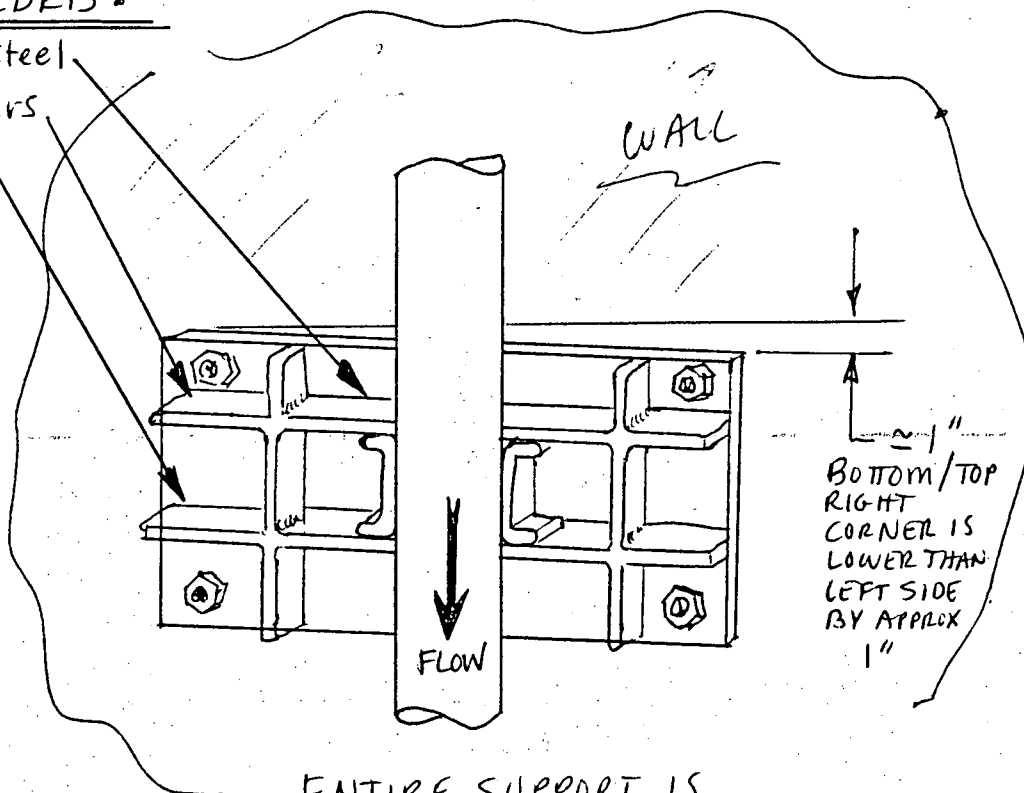
ANII REVIEW: R. Valladares DATE: 4-15-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097713EXAM ITEM CPL-241-GISO DWG. NO. CPL-241 REV. 0

## SKETCH SHEET

### DEBRIS:

Tube steel  
Washers  
Nuts

ENTIRE SUPPORT IS  
GENERALLY RUSTED.  
( $< 10\%$  LOSS OF WALL)

- and most horizontal surfaces  
are lightly covered with dirt  
and loose debris.

EXAMINER Cliff MassEXAMINER N/AREVIEWER Art P...REVIEWER Richard B. WeberREVIEWER DMLEVEL IILEVEL N/ALEVEL IIDATE 4/14/92DATE                     DATE 4-10-92DATE N/ADATE 4-11-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-288

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 1 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: HPSIS COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-241-6

DWG./LOC.: CPL-241 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP-1097 ERO 5-15-92 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☐ MIRROR ☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT			<input checked="" type="checkbox"/>	
DEBRIS			<input checked="" type="checkbox"/>	
CORROSION/EROSION			<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS  
REINSPECTION FOR GAPS FOR NED 5-15-92

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 5-15-92

REVIEWER: Cat Purnan LEVEL: II DATE: 5-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/18/92

REVIEWERS COMMENTS:

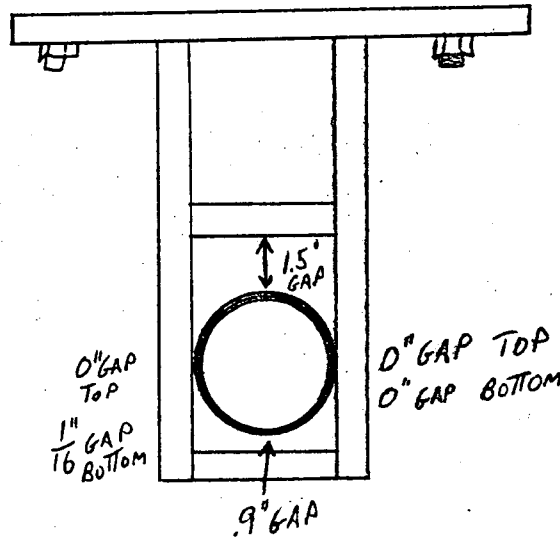
ANII REVIEW: RP Valladao DATE: 5-18-92



# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-288  
EXAM ITEM CPL-241-G  
ISO DWG. NO. CPL-241 REV. 0

## SKETCH SHEET



EXAMINER	<u>Edmund L. Dawson</u>	LEVEL	<u>II</u>	DATE	<u>5-15-92</u>
EXAMINER	<u>NA</u>	LEVEL	<u>NA</u>	DATE	<u>NA</u>
REVIEWER	<u>Art P...</u>	LEVEL	<u>II</u>	DATE	<u>5-16-92</u>
REVIEWER	<u>Richard B. Weber</u>	DATE	<u>5/18/92</u>		
REVIEWER	<u>AMellendy</u>	DATE	<u>5/18/92</u>		

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-114

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: S.I. COMPONENT NAME: SPRING CAN COMPONENT ID NO.: CPL-241-H

DWG./LOC.: CPL-241, Rev 0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP-1097 (CW) 4-10-92 NDP-613-REV.: 0 ☐ VT-4 PROCEDURE: 614 REV. 2

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☐ OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☒ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☒ VARIABLE SUPPORT  
☐ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		N/A
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			Possible cracked tack weld, incomplete welds (corners). See page # 2 for details.
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		N/A
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		

VARIABLE/CONSTANT SUPPORT ACTUAL: 270 (1/2 way between 258 & 282)

SNUBBER ACTUAL: N/A STROKE: N/A S/N N/A

COMMENTS: RECORDABLE INDICATIONS - see page #2 for details.  
Nameplate is scratched/gouged extensively.

EXAMINER: Cliff Moss (CW) LEVEL: II DATE: 4-10-92

REVIEWER: Edmund R. Dawson LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/15/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4-17-92

# 1125

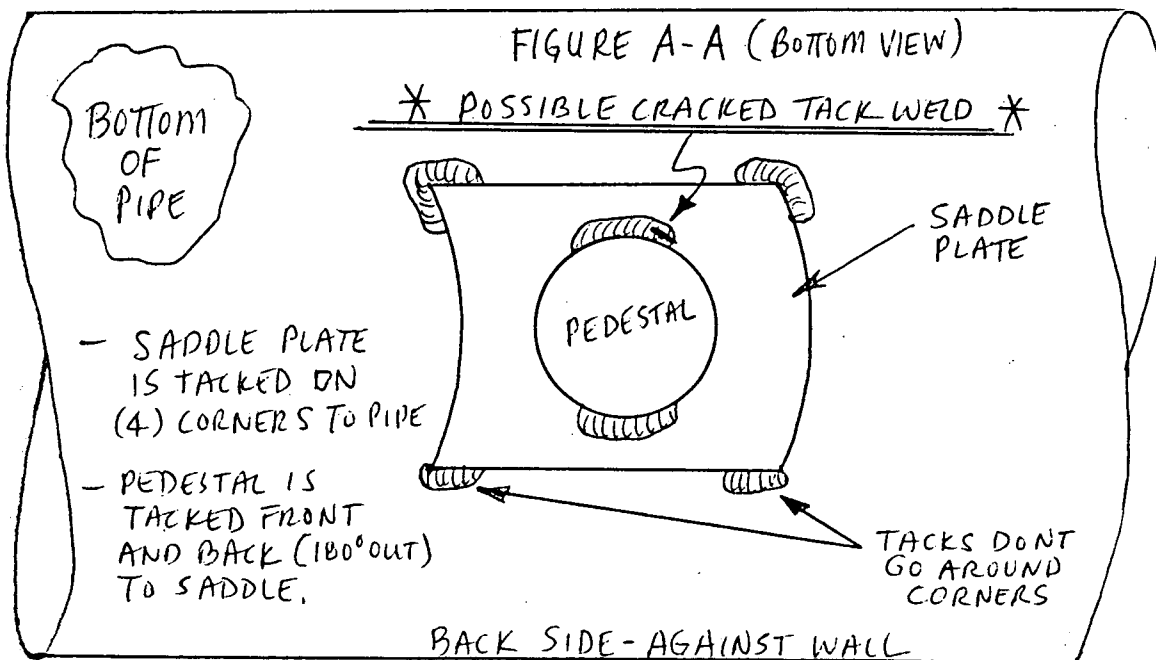
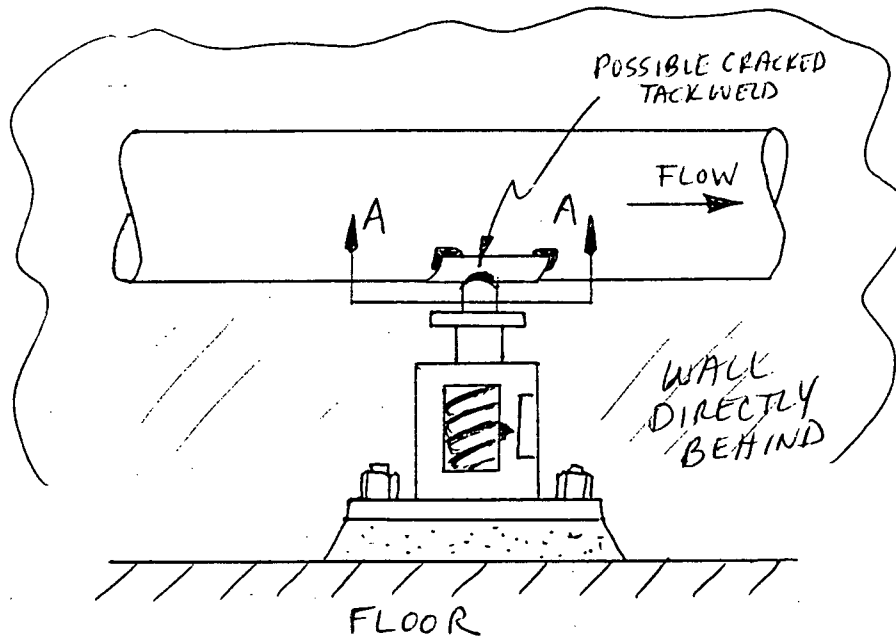
PAGE 2 OF 2

DATA SHEET NO. \_\_\_\_\_

EXAM ITEM CPL-241-H

ISO DWG. NO. CPL-241 REV. 0

## SKETCH SHEET



EXAMINER Chiff Moss

EXAMINER N/A

REVIEWER Art P...

REVIEWER \_\_\_\_\_

REVIEWER \_\_\_\_\_

LEVEL II

LEVEL N/A

LEVEL II

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 4-10-92

DATE N/A

DATE 4-11-92

PROCEDURE SP-1095  
REVISION 0 F.C. NO. N/A  
PAGE 1 OF 2

SYSTEM EXAMINED HPSIS ISO/DWG/SK. # CP-241 REVISION 0  
DATUM POINT REFERENCE SEE ATTACHED SKETCH

	BRAND NAME	TYPE	BATCH NO.	DRYING/DWELL TIME
CLEANER	MAGNA FLUX	SKC-NF	91M01P	5 MINUTES
PENETRANT	MAGNA FLUX	SKL-HF/S	90K07P	15 MINUTES
REMOVER	MAGNA FLUX	SKC-NF	91M01P	5 MINUTES
DEVELOPER	MAGNA FLUX	SKO-NF	90L03P	17 MINUTES

[illegible]

EXAMINER Eckman R H Donovan  
EXAMINER NA  
REVIEWER Dale M. Smith  
F. W. \_\_\_\_\_  
REVIEWER \_\_\_\_\_

LEVEL II

LEVEL 1A

LEVEL III

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 4  
DATE 2/A  
DATE 4/16/92

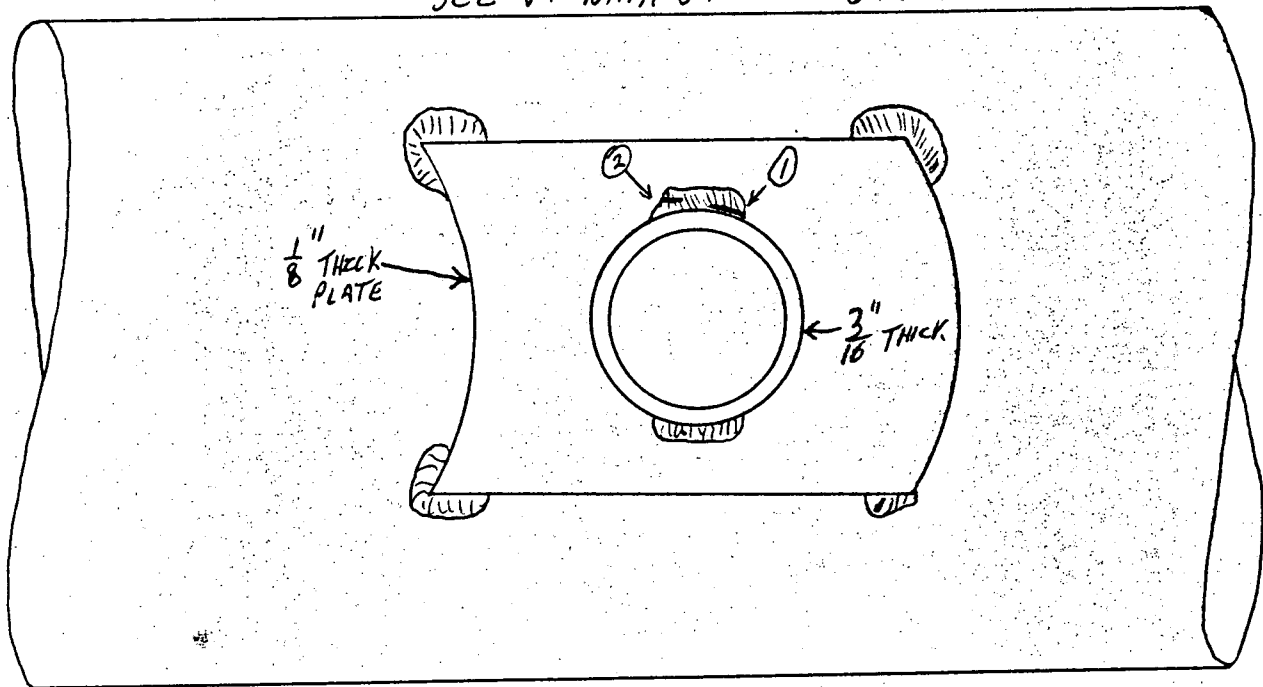
# 1125

PAGE 2 OF 2  
DATA SHEET NO. NA  
EXAM ITEM CPL-241-H  
ISO DWG. NO. CPL-241 REV. 0

## SKETCH SHEET

TACK WELD IS CRACKED AT BOTH ENDS  
TOTAL LENGTH OF WELD IS .7"  
IND #1 IS .25" LONG  
IND #2 IS .15" LONG

SEE VT DATA SHEET #1097-114 FOR MORE INFORMATION

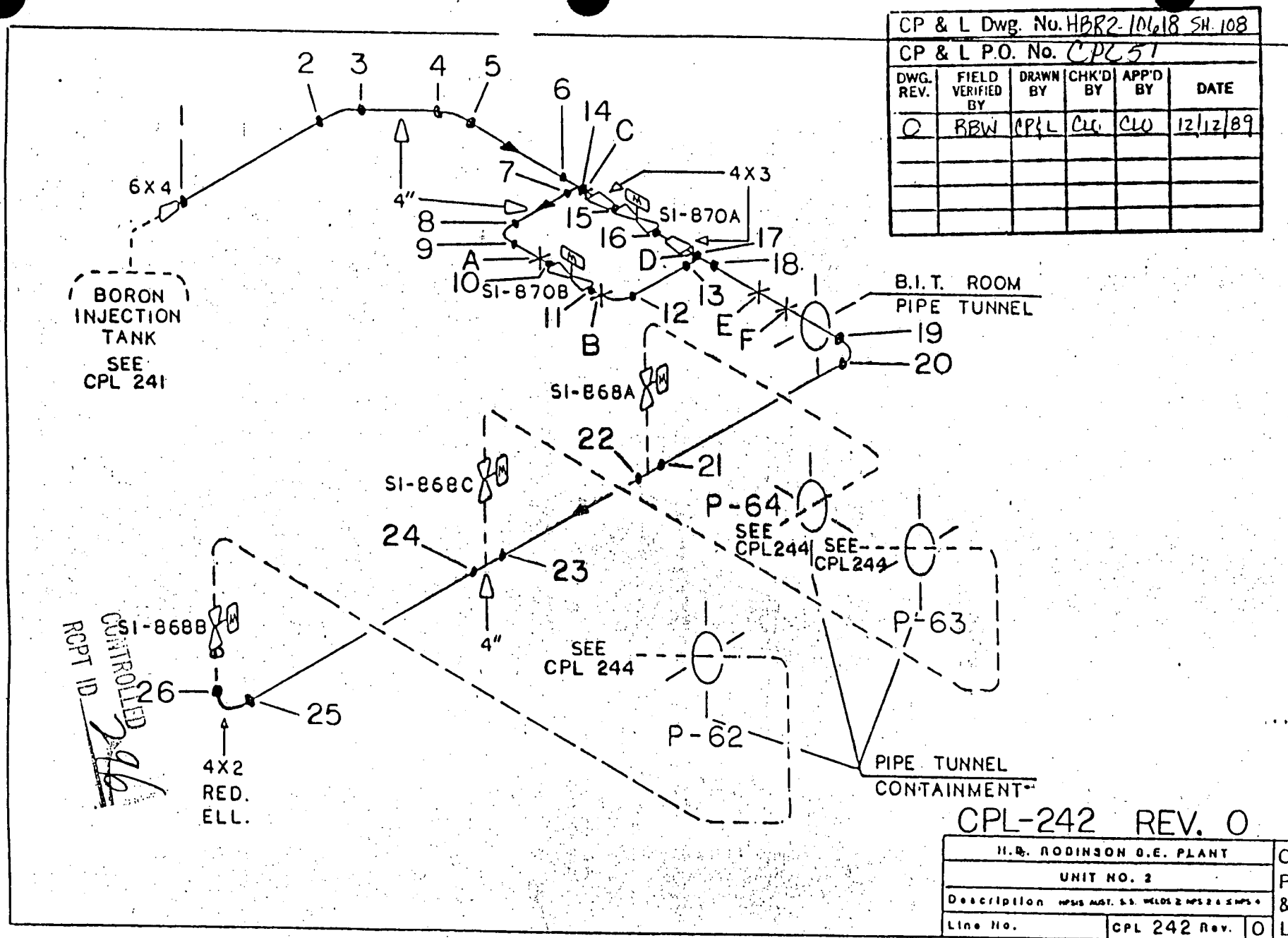


EXAMINER Edmund J. Donovan  
EXAMINER NA  
REVIEWER Jim M. Mordal  
REVIEWER \_\_\_\_\_  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL III  
DATE \_\_\_\_\_  
DATE \_\_\_\_\_

DATE 4-16-92  
DATE NA  
DATE 4/16/92

I certify that the image contained on this frame was made



CP & L Dwg. No. HBR2-1018 SH. 108					
CP & L P.O. No. CPL 51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	APL	CU	CU	12/12/89

CPL-242 REV. 0

H.B. ROBINSON O.E. PLANT		C P & L
UNIT NO. 2		
Description HPS 100T. 5.5. WELDS 2 HPS 2.4 5 HPS 4		
Line No.	CPL 242 Rev.	



Carolina Power &amp; Light Company

VISUAL EXAMINATION  
DATA SHEETREPORT NO. 1097-110WR&A # N/APAGE 1 OF 2PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISISYSTEM: SI COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-242-ADWG./LOC.: CPL 242 REV-0 / BIT RMSP1097 ERD 41092  
[X] VT-3 PROCEDURE: NDP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		
MISALIGNMENT		✓		
DEBRIS	✓			SEE ATTACHMENT
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONEXAMINER: Art Purnum LEVEL: II DATE: 4-10-92REVIEWER: Cliff Moss LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

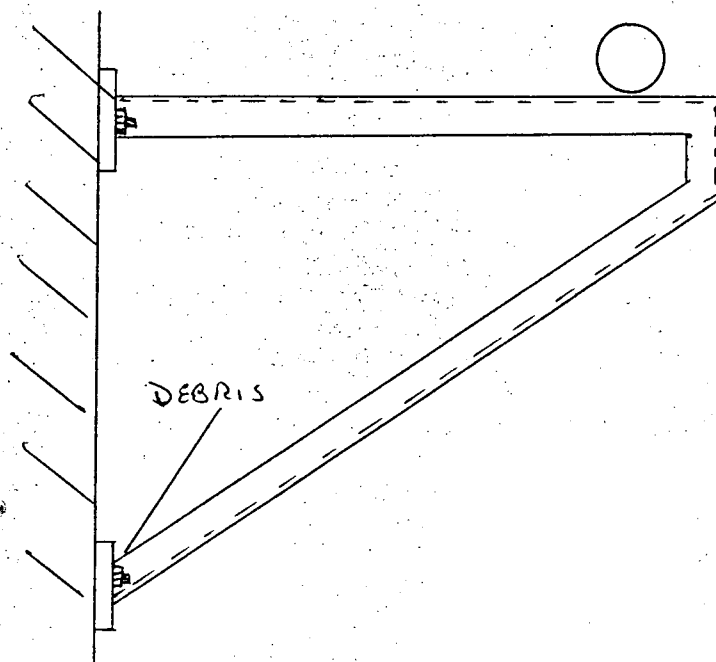
REVIEWERS COMMENTS:

ANII REVIEW: AP ValladaresDATE: 4-15-92

# 1105

PAGE 2 OF 2DATA SHEET NO. 1097-110EXAM ITEM CPL 242-AISO DWG. NO. CPL 242 REV. 0

## SKETCH SHEET

EXAMINER Art PurnanLEVEL IIDATE 4-10-92EXAMINER N/ALEVEL N/ADATE N/AREVIEWER Cliff MossLEVEL IIDATE 4-11-92REVIEWER Richard B. WeberDATE 7/04/92REVIEWER RM

DATE \_\_\_\_\_





Carolina Power &amp; Light Company

VISUAL EXAMINATION  
DATA SHEETREPORT NO. 109792WR&A # N/APAGE 1 OF 2PLANT: H B ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISISYSTEM: SI COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL 242-BDWG./LOC.: CPL 242 REV 0 / BIT Rm.[x] VT-3 PROCEDURE: SP. 1097 AP 4-11-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV. 6

DIRECT [x] REMOTE [x] VIDEO RECORDING NO: [x] N/A

EQUIPMENT USED: [x] FLASHLIGHT [x] MIRROR [ ] OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[x] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		N/A
MISALIGNMENT		✓		
DEBRIS	✓			SEE ATTACHMENT
CORROSION/EROSION	✓			SEE ATTACHMENT
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	N/A
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONSEXAMINER: Art Purnan LEVEL: II DATE: 4-10-92REVIEWER: Edmund R. Davon LEVEL: II DATE: 4-10-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

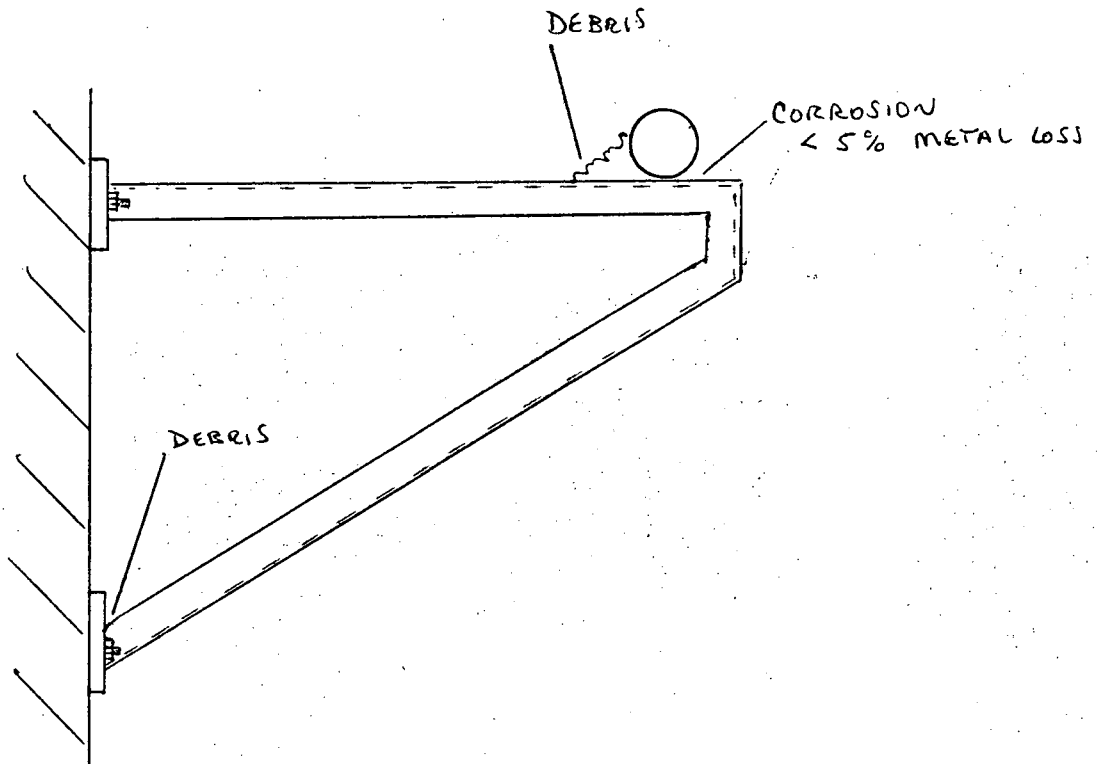
REVIEWERS COMMENTS:

ANII REVIEW: R. Walladane DATE: 4-15-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-92EXAM ITEM CPL 242 - BISO DWG. NO. CPL 242 REV. 0

## SKETCH SHEET



EXAMINER *Q. J. Purnell*  
EXAMINER N/A  
REVIEWER *Richard R. Dawson*  
REVIEWER *Richard B. Weber*  
REVIEWER \_\_\_\_\_

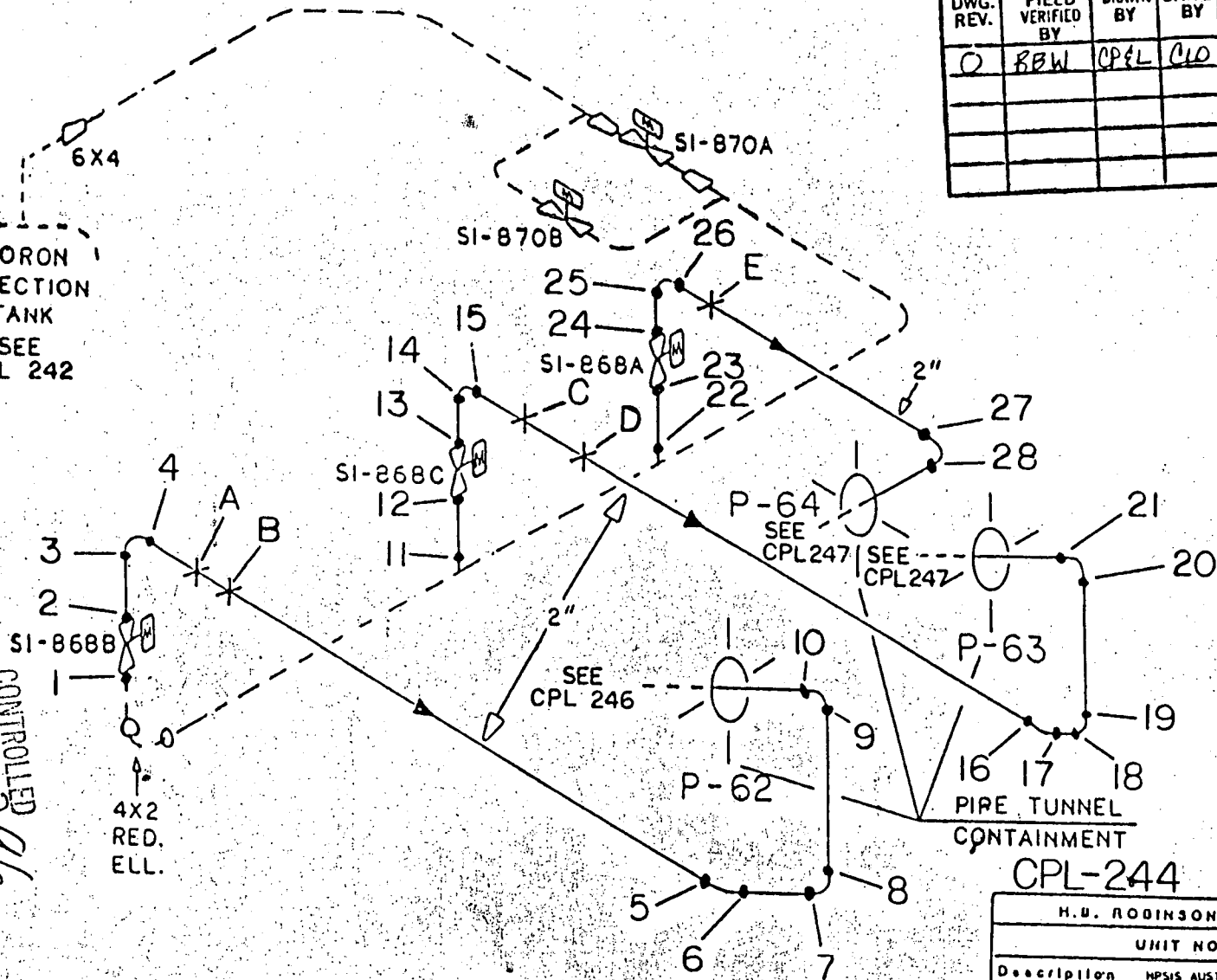
LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/14/92  
DATE \_\_\_\_\_

DATE 4-10-92  
DATE N/A  
DATE 4-10-92

CP & L Dwg. No. HB22-10/18 SH. 110					
CP & L P.O. No. CPL 51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	BBW	CPL	CLO	CLO	12/12/89

BORON  
INJECTION  
TANK  
SEE  
CPL 242

CONTROLLED  
RPT ID 296



CPL-244 REV. 0

H.B. ROBINSON O.E. PLANT		C P & L
UNIT NO. 2		
Description	WPSIS AUST. S.S. SOCKET WELDS	
Line No.	CPL 244 Rev. 0	

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-310

WR&A # 92-AFJQ1

PAGE 1 OF 1

PLANT: <u>HBR</u>		UNIT <u>1</u> <input checked="" type="checkbox"/> <u>2</u> <input type="checkbox"/> PSI <input checked="" type="checkbox"/> <u>ISI</u>	
SYSTEM: <u>HP5IS</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPK-244-A</u>	
DWG./LOC.: <u>CPK-244 96</u> / <u>PIPE Alley</u>			
<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>NDP-613</u> REV.: <u>0</u>		<input type="checkbox"/> VT-4 PROCEDURE: <u>614</u> REV.: <u>N/A</u>	
DIRECT <input checked="" type="checkbox"/> REMOTE <input type="checkbox"/>		VIDEO RECORDING NO: <input checked="" type="checkbox"/> <u>N/A</u>	
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____		TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER	
CONDITION Present	YES	NO	N/A
FASTENING DEVICES			<input checked="" type="checkbox"/>
MISALIGNMENT			<input checked="" type="checkbox"/>
DEBRIS			<input checked="" type="checkbox"/>
CORROSION/EROSION			<input checked="" type="checkbox"/>
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>		
SNUBBER <u>N/A</u>	ACTUAL: <u>N/A</u>	STROKE: <u>N/A</u>	S/N <u>N/A</u>
COMMENTS: <u>Verified Support Tagged Abandoned in place</u> <u>92-AFJQ1</u>			
EXAMINER: <u>[Signature]</u>	LEVEL: <u>II</u>	DATE: <u>5-26-92</u>	
REVIEWER: <u>[Signature]</u>	LEVEL: <u>N/A</u>	DATE: <u>5-26-92</u>	
COMPONENT CONDITION: <input type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY			
REVIEWED BY: <u>Richard B. Weber</u> <u>5/26/92</u>			
REVIEWERS COMMENTS:			
ANII REVIEW: <u>[Signature]</u> DATE: <u>6/2/92</u>			

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-164

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI  
 SYSTEM: HPSIS COMPONENT NAME: HANGER COMPONENT ID NO.: CPL-244-A

DWG./LOC.: CPL-244 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP 1097 ERA 4-16-92 NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☐ OTHER \_\_\_\_\_  
 TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATION

EXAMINER: Edmund R Donover LEVEL: II DATE: 4-16-92

REVIEWER: Art R... LEVEL: II DATE: 4-18-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/22/92

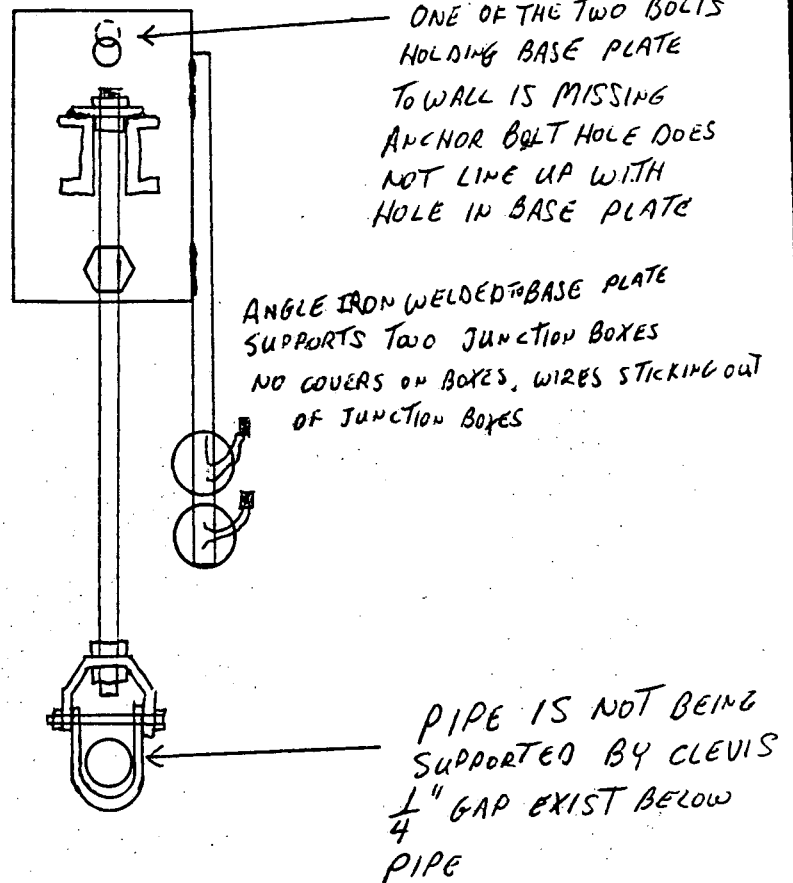
REVIEWERS COMMENTS:

ANII REVIEW: RP Valladao DATE: 4-23-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-164EXAM ITEM CPL-244-AISO DWG. NO. CPL 244 REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER Art P...  
REVIEWER Richard B. Weber  
REVIEWER AM

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/22/92  
DATE \_\_\_\_\_

DATE 4-16-92  
DATE NA  
DATE 4-18-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097790

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>HP SIS</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-244-B</u>
--------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL-244 REV-0 / PIPE ALLEY

[X] VT-3 PROCEDURE: SP 1097 ERO 4-16-92  
NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV. 4

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: <u>[X]</u> FLASHLIGHT <u>[X]</u> MIRROR <u>[ ]</u> OTHER _____	TYPE OF COMPONENT SUPPORT: <u>[ ]</u> HYDRAULIC SNUBBER <u>[ ]</u> CONSTANT SUPPORT <u>[ ]</u> MECHANICAL SNUBBER <u>[ ]</u> VARIABLE SUPPORT <u>[X]</u> SUPPORT/HANGER
--	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<u>[X]</u>			<u>SEE ATTACHED SKETCH</u>
MISALIGNMENT		<u>[X]</u>		
DEBRIS		<u>[X]</u>		
CORROSION/EROSION		<u>[X]</u>		
STRUCTURAL INTEGRITY	<u>[X]</u>			<u>SEE ATTACHED SKETCH</u>
RESISTANCE TO MOVEMENT	<u>[X]</u>			<u>SEE ATTACHED SKETCH</u>
CLEARANCES OF MOVING PARTS			<u>[X]</u>	
ARC STRIKES/GOUGES		<u>[X]</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-16-92

REVIEWER: Art Puma in LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: M. Wallandare DATE: 4-28-92

# 1125

PAGE 2 OF 2

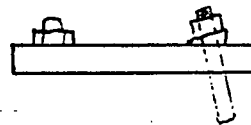
DATA SHEET NO. 1097-90

EXAM ITEM CPL-244-B

ISO DWG. NO. CPL 244 REV. 0

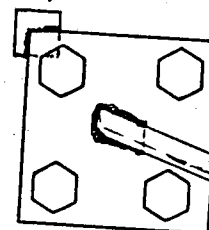
## SKETCH SHEET

SECT "A"

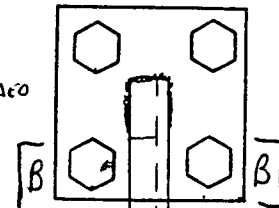


ANCHOR BOLT HAS STEEL WEDGE  
USED AS WASHER BOLT IS  
PLACED IN AT AN ANGLE

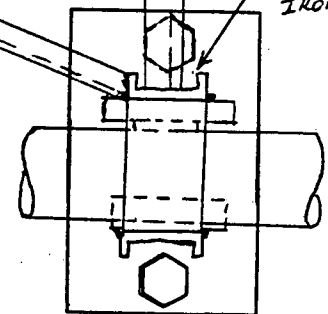
PIECE OF PLATE WELDED  
UNDER BASE PLATE  $\frac{1}{4}$ "  
HOLD BASE PLATE  $\frac{1}{4}$ "  
FROM WALL



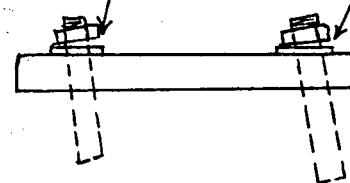
[A]



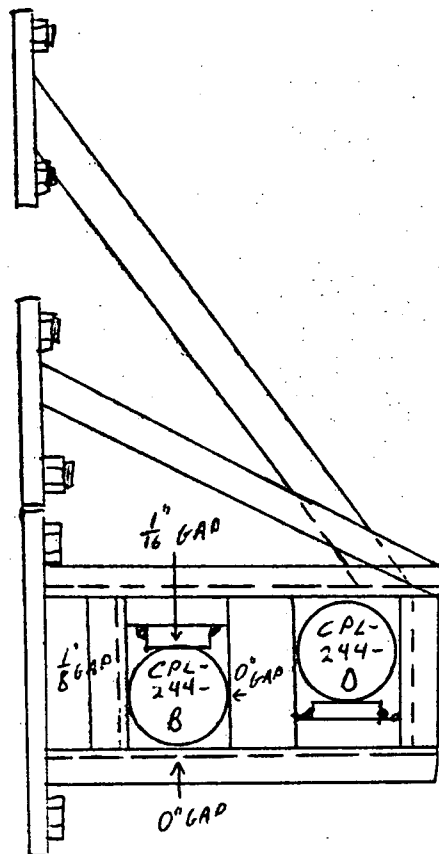
DEBRIS  
INSIDE  
CHANNEL  
IRON



ANCHOR BOLT IS  
PLACED IN AT AN ANGLE  
WITH  $\frac{1}{8}$ " SPACE UNDER NUT



ANCHOR BOLT IS PLACED  
IN AT AN ANGLE  
WITH  $\frac{1}{8}$ " SPACE UNDER  
NUT



EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER Art P...  
REVIEWER \_\_\_\_\_  
REVIEWER BM

LEVEL II  
LEVEL NA  
LEVEL II  
DATE \_\_\_\_\_  
DATE \_\_\_\_\_

DATE 4-16-92  
DATE NA  
DATE 4-22-92



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-280

WR&A # N/A

PAGE 1 OF 2

PLANT: <u>HB ROBINSON</u>		UNIT <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> PSI <input checked="" type="checkbox"/> ISI	
SYSTEM: <u>HPSIS</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-244-0</u>	
DWG./LOC.: <u>CPL-244 REV-0 / PIPE ALLEY</u>			
<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 ERO 5-892</u> <u>NOEP-613 REV.: 0</u>		<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>	
DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>		VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A	
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____		TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER	
CONDITION Present	YES	NO	N/A
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>		
SNUBBER	ACTUAL: <u>N/A</u>	STROKE: <u>N/A</u>	S/N <u>N/A</u>
COMMENTS: <u>RECORDABLE INDICATIONS</u> / <u>ALL INFORMATION LISTED ON PAGE 2 IS ALSO SHOWN ON VT DATA SHEET 1097-190 EXCEPTS GAPS FOR CPL-244-0</u> <u>EXPANDED SCOPE</u>			
EXAMINER: <u>Edward R. Dorman</u>	LEVEL: <u>II</u>	DATE: <u>5-9-92</u>	
REVIEWER: <u>Art Krumm</u>	LEVEL: <u>II</u>	DATE: <u>5-15-92</u>	
COMPONENT CONDITION: <input type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY			
REVIEWED BY: <u>Richard B. Weber</u> <u>5/18/92</u>			
REVIEWERS COMMENTS:			
ANII REVIEW: <u>RP Wall</u> <u>5-18-92</u>			

# 105

PAGE 2 OF 2

DATA SHEET NO. 1097-L80

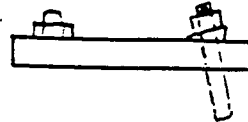
EXAM ITEM CPL-244-D

ISO DWG. NO. CPL 244 REV. 0

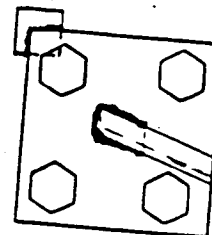
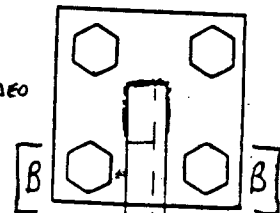
## SKETCH SHEET

SECT "A"

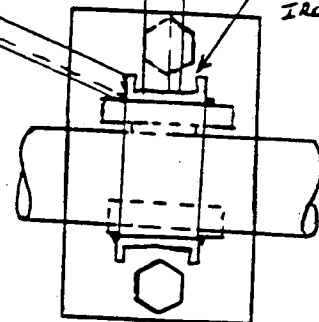
ANCHOR BOLT HAS STEEL WEDGE  
USED AS WASHER BOLT IS  
PLACED IN AT AN ANGLE



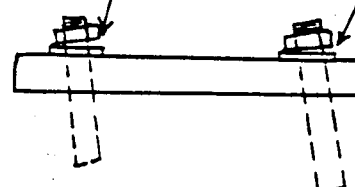
PIECE OF PLATE WELDED  
UNDER BASE PLATE  
HOLD BASE PLATE  
FROM WALL



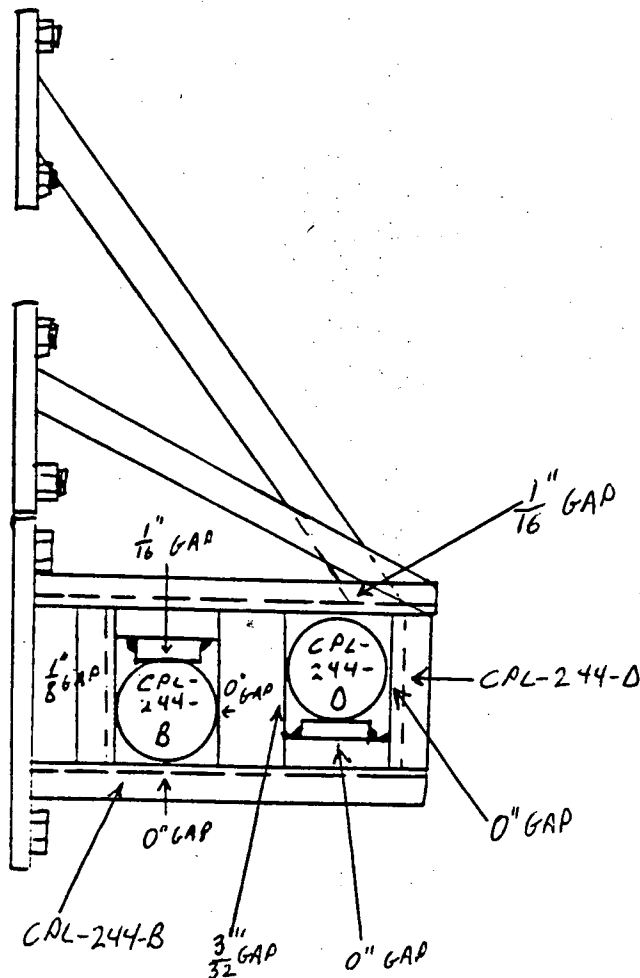
DEBRIS  
INSIDE  
CHANNEL  
IRON



ANCHOR BOLT IS  
PLACED IN AT AN ANGLE  
WITH  $\frac{1}{8}$ " SPACE UNDER NUT



ANCHOR BOLT IS PLACED  
IN AT AN ANGLE  
WITH  $\frac{1}{16}$ " SPACE UNDER  
NUT



EXAMINER Edmund R. Donovan

LEVEL II

DATE 5-9-92

EXAMINER N/A

LEVEL NA

DATE NA

REVIEWER Art. R...

LEVEL II

DATE 5-15-92

REVIEWER Richard B. Weber

DATE 5/18/92

REVIEWER Dr. Valladao

DATE 5/18/92

PROCEDURE SP 1095  
REVISION 0 F.C. NO. NA  
PAGE 1 OF 2

SYSTEM EXAMINED SI ISO/DWG/SK. # CPL-244 REVISION 0  
 DATUM POINT REFERENCE ¢ of valve operator (~~SI 8688~~) (SI 8688) <sup>SM</sup> 4/29/92

	BRAND NAME	TYPE	BATCH NO.	DRYING/DWELL TIME
CLEANER	<u>SPotcheck</u>	<u>SKC-NF</u>	<u>91M01P</u>	<u>5</u> MINUTES
PENETRANT	<u>SPotcheck</u>	<u>SKL-HF/S</u>	<u>90H03K</u>	<u>15</u> MINUTES
REMOVER	<u>SPotcheck</u>	<u>SKC-NF</u>	<u>91M01P</u>	<u>5</u> MINUTES
DEVELOPER	<u>SPotcheck</u>	<u>SKD-NF</u>	<u>90L03P</u>	<u>7</u> MINUTES

[illegible]

EXAMINER Dale Murdock  
EXAMINER N/A  
REVIEWER [Signature]  
POWER [Signature]  
REVIEWER [Signature]  
ANIT RP Valladares

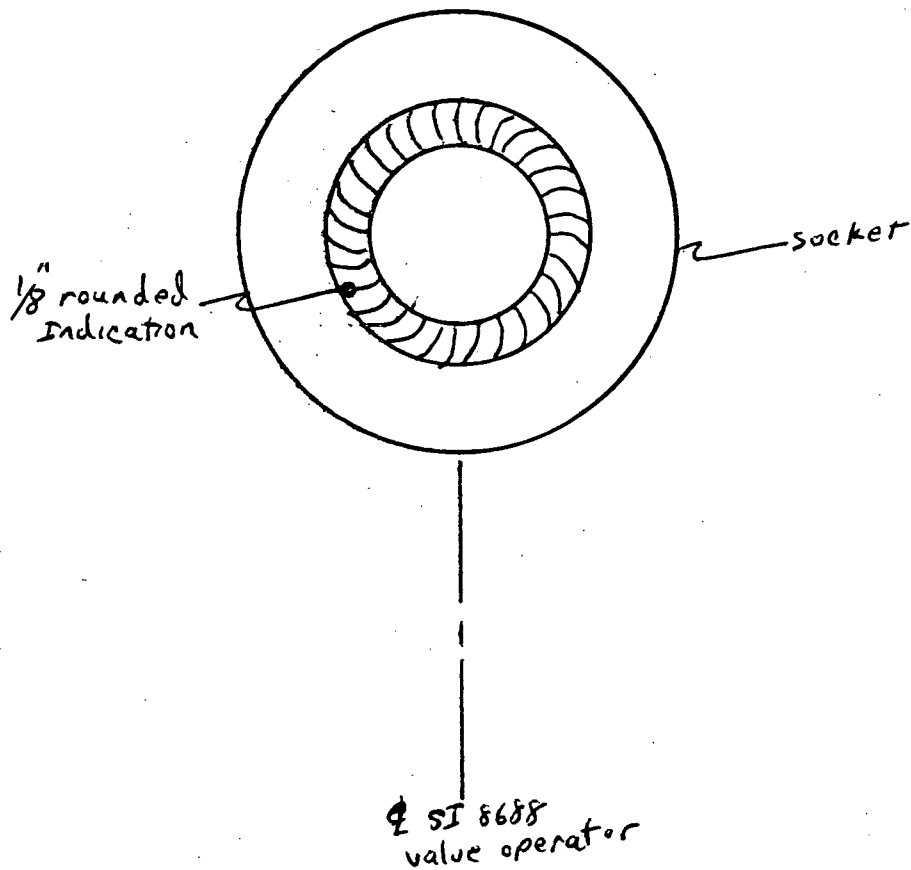
LEVEL 11  
LEVEL N/A  
LEVEL III  
DATE 4/28/92  
DATE 9-30-92

DATE 4/18/92  
DATE N/A  
DATE 4-18-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 10852921 (2) 4/24/92  
EXAM ITEM CPL-244 -2  
ISO DWG. NO. CPL-244 REV. 0

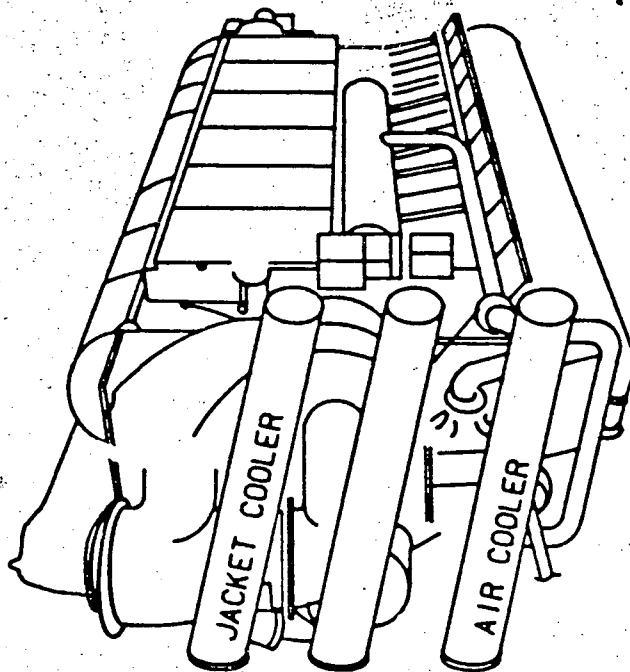
## SKETCH SHEET



EXAMINER Dale Murock  
EXAMINER N/A  
REVIEWER Art Pinner  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL III  
LEVEL N/A  
LEVEL III  
DATE 4/28/92  
DATE \_\_\_\_\_

DATE 4/18/92  
DATE N/A  
DATE 4-18-92



SUPPORT A

CONTROLLED  
RCPT ID 296

CP & L DWG. No. H0R2-10618 SH.114			
CP & L P.O. No. CPL 51			
DWG. REV.	FIELD VERIFIED BY	DRAWN CHK'D BY	DATE
0	BAW	CPL	12/13/82

CPL-301 REV.0

H. B. ROBINSON S. E. PLANT	CP &
UNIT NO. 2	
DESCRIPTION: D.E. WATER JACKET COOLER ON	
1. 100% 100% 100% 100%	



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-165

WR&A # N/A

PAGE 1 OF 23

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: DG-A COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL 301 - JACKET COOLER A

DWG./LOC.: CPL 301 REV 0 / A - DIESEL GENERATOR ROOM

[X] VT-3 PROCEDURE: SP 1097 AP 4-18-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.?

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	N/A
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art Purnan LEVEL: II DATE: 4-18-92

REVIEWER: Cliff Moss LEVEL: II DATE: 4-20-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

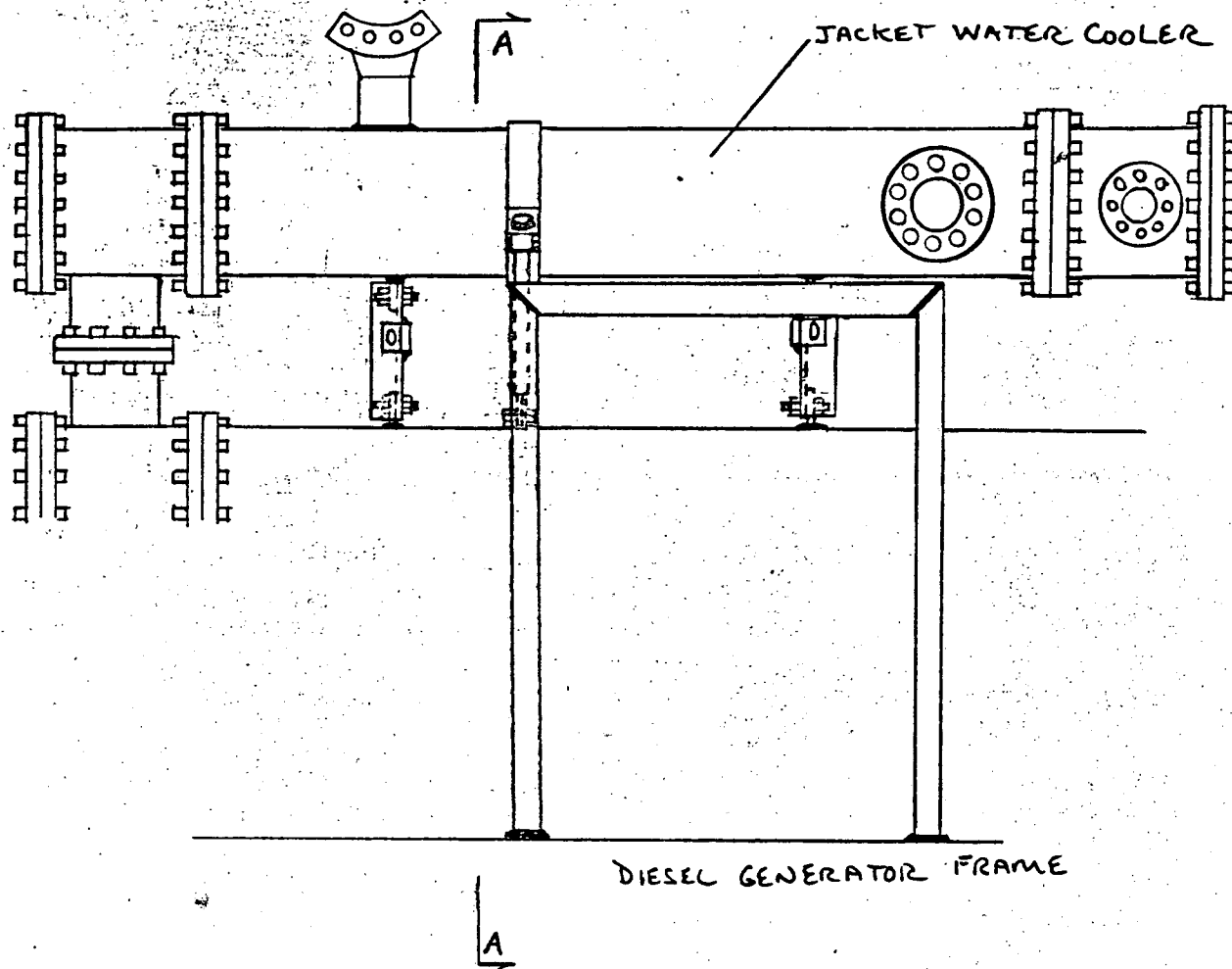
REVIEWERS COMMENTS:

ANII REVIEW: AP Valladanes DATE: 4-28-92

# 1105

PAGE 2 OF 3DATA SHEET NO. 1297-165EXAM ITEM CPL 301 - JACKET COOLER AISO DWG. NO. CPL 301 REV. 0

## SKETCH SHEET

EXAMINER Dr. P. P. P.EXAMINER NhREVIEWER Chet MossREVIEWER Richard O. Weber

REVIEWER \_\_\_\_\_

LEVEL IILEVEL N/ALEVEL IIDATE 4/25/92

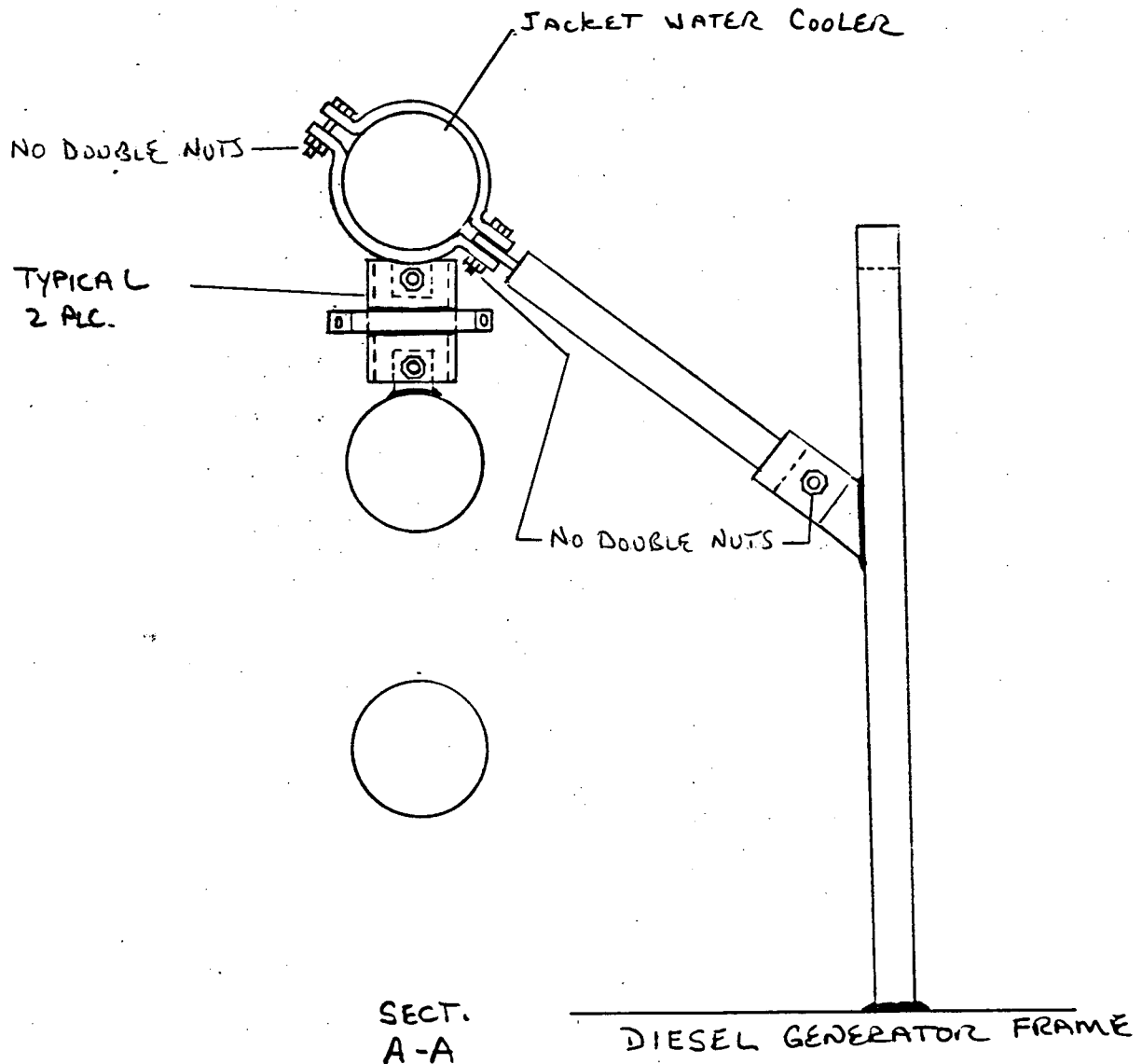
DATE \_\_\_\_\_

DATE 4-18-92DATE N/ADATE 4-20-92

# 1125

PAGE 3 OF 3DATA SHEET NO. 1097-165EXAM ITEM CPL 301 - JACKET COOLER AISO DWG. NO. CPL 301 REV. 0

## SKETCH SHEET



EXAMINER Art Pinner

EXAMINER N/A

REVIEWER Chet Moss

REVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL II

LEVEL N/A

LEVEL II

DATE 4/25/92

DATE \_\_\_\_\_

DATE 4-18-92

DATE N/A

DATE 4-20-92

Qm





Carolina Power &amp; Light Company

VISUAL EXAMINATION  
DATA SHEETREPORT NO. 1097-182WR&A # N/APAGE 1 OF 1PLANT: H. B. ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISISYSTEM: DG-A COMPONENT NAME: INTEGRAL ATTACHMENT COMPONENT ID NO.: CPL 301-JACKET COOLER-A-WSDWG./LOC.: CPL 301 REV 0 / A-DIESEL GENERATOR ROOM[x] VT-3 PROCEDURE: <sup>SP 1097, AP 4-21-92</sup> ~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV. 0

DIRECT [x] REMOTE [x] VIDEO RECORDING NO: [x] N/A

EQUIPMENT USED: [x] FLASHLIGHT [x] MIRROR [ ] OTHER \_\_\_\_\_ TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [x] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

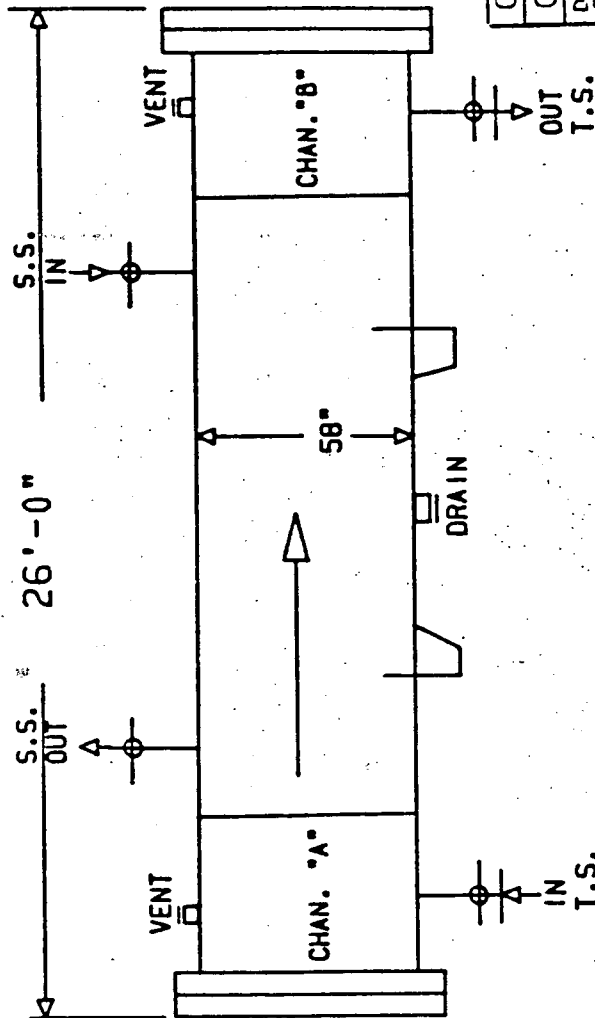
COMMENTS: NO RECORDABLE INDICATIONSEXAMINER: Carl P. [signature] LEVEL: II DATE: 4-18-92REVIEWER: Edmund R. Donovan RD LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

ANII REVIEW: RR Waller DATE: 4.27.92



CONTROLLED  
RCPT ID 296

CP & L Dwg. No. HBR2-10618 SH 116			
CP & L P.O. No. CPL51			
DWG. REV.	FIELD VERIFIED BY	DRAWN CHK'D APP'D BY	DATE
0	RAW	CLO	12/13/89

CPL-303 REV.0

H. B. ROBINSON S. E. PLANT	C
UNIT NO. 2	P
DESCRIPTION: C.C. HEAT EXGR. (2)	&

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-52

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON

UNIT [ ] 1 [X] 2 [ ] PSI [X] SI

SYSTEM:

COMPONENT COOLANT

COMPONENT

NAME: SUPPORT

COMPONENT

ID NO.: CPL-303 A-WS-1

DWG./LOC.: CPL-303 REV-0 / COMPONENT COOLANT ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 46-92  
NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X]

VIDEO RECORDING NO:

[X] N/A

EQUIPMENT USED:

[X] FLASHLIGHT [X] MIRROR  
[ ] OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT:

[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<u>X</u>	
MISALIGNMENT			<u>X</u>	
DEBRIS		<u>X</u>		
CORROSION/EROSION		<u>X</u>		
STRUCTURAL INTEGRITY		<u>X</u>		
RESISTANCE TO MOVEMENT			<u>X</u>	
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: INTEGRAL ATTACHMENT WELD IS PAINTED

RUST ON BOTTOM OF HEAT EXCHANGER NEAR INTEGRAL WELD NO RECORDABLE IND.

EXAMINER: Edmund R. Donoran

LEVEL: II

DATE: 4-6-92

REVIEWER: Chf Moss

LEVEL: II

DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY

[ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares

DATE: 4-10-92

## VISUAL EXAMINATION DATA SHEET

 REPORT NO. 1097-53

 WR&A # N/A

 PAGE 1 OF 1

 PLANT: H.B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-303-AWS-1</u>
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 DWG./LOC.: CPL 303 REV-0 COMPONENT COOLANT ROOM

<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 ERD 4-8-92</u> <del>NOEP-613</del> REV.: <u>0</u>	<input type="checkbox"/> VT-4 PROCEDURE: <u>614</u> REV.: <u>0</u>
---	--

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <u>[X] N/A</u>
---	------------------------------------

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

 COMMENTS: RUST ON BOTTOM OF HEAT EXCHANGER NEAR INTEGRAL ATTACHMENT  
NO RECORDABLE INDICATIONS

EXAMINER: <u>Edmund R. Donovan</u>	LEVEL: <u>II</u>	DATE: <u>4-8-92</u>
------------------------------------	------------------	---------------------

REVIEWER: <u>Cliff Mott</u> <u>AM</u>	LEVEL: <u>II</u>	DATE: <u>4-9-92</u>
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 COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

 REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: <u>R. P. Villalobos</u>	DATE: <u>4.10.92</u>
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**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-54

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 303 B-WS-2</u>
-------------------------------------	-----------------------------------	--

DWG./LOC.: CPL-303 REV-0 / COMPONENT COOLANT ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 46-92  
NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			[X]	N A
MISALIGNMENT			[X]	
DEBRIS		[X]		
CORROSION/EROSION		[X]		
STRUCTURAL INTEGRITY		[X]		
RESISTANCE TO MOVEMENT			[X]	
CLEARANCES OF MOVING PARTS			[X]	
ARC STRIKES/GOUGES		[X]		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: INTEGRAL ATTACHMENT WELD IS PAINTED NO RECORDABLE INDICATIONS

EXAMINER: Edward L. Donovan LEVEL: II DATE: 4-6-92

REVIEWER: Chiff Moss AM LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares

DATE: 4-10-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-55

WR&A # N/A

PAGE 1 OF 1

PLANT: NB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-303-BWS-2</u>
-------------------------------------	-----------------------------------	---

DWG./LOC.: CPL-303 REV-0 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP1097 ERO 4-6-92 NDP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u></u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 4em; transform: rotate(-45deg); display: inline-block;">N/A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT		<input checked="" type="checkbox"/>		
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edward R. Donovan LEVEL: II DATE: 4-6-92

REVIEWER: Chf. Moss AN LEVEL: II DATE: 4-9-92

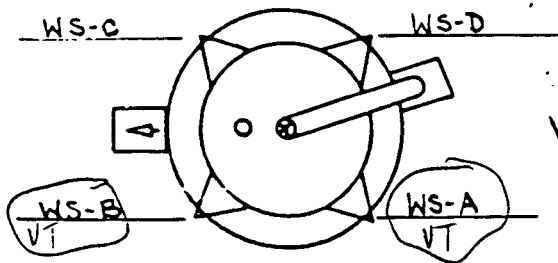
COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

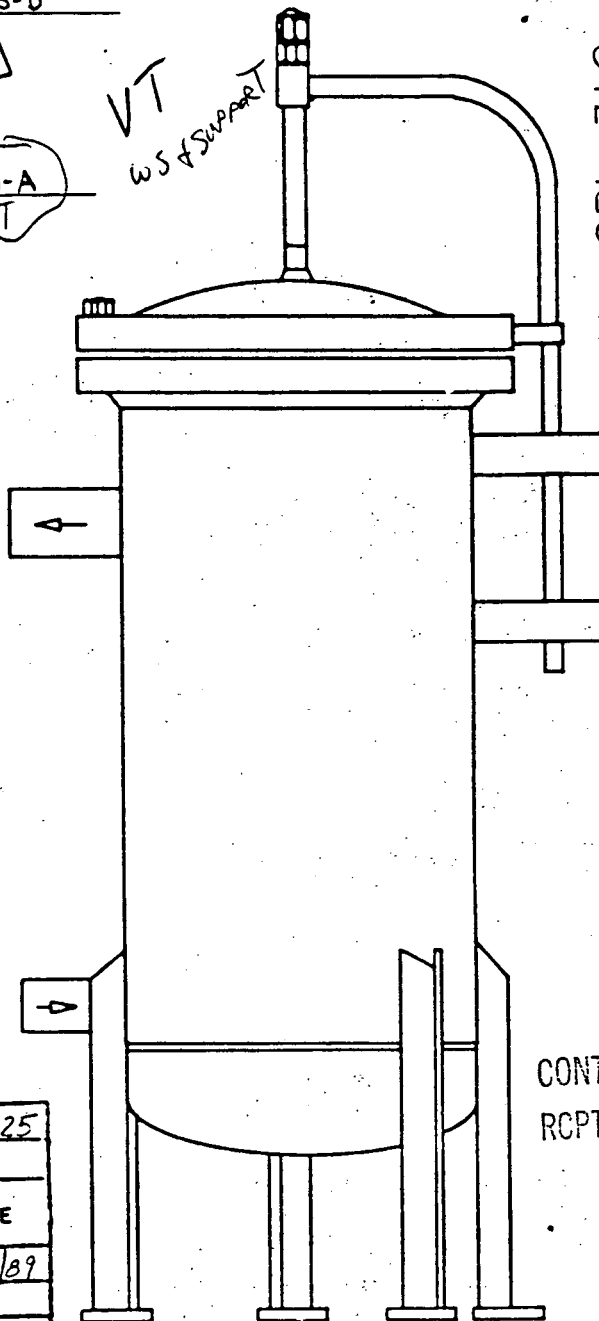
REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares

DATE: 4-10-92



VT  
WS & SUPPORT



CPL-312 REV.0

CP & L
H. B. ROBINSON S. E. PLANT
UNIT NO. 2
DESCRIPTION: BORIC ACID FILTER
LINE NO. N/A
CPL-312 REV.

CP & L Dwg. No. HBR2-10.18 54.125					
CP & L P.O. No. CPL 51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	CP&L	CLO	CLO	12/13/89

CONTROLLED  
RCPT ID: 296

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-219

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: B.A. FILTER COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-312-WS-A

DWG./LOC.: CPL 312 REV-0 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP-1097 ERD 4-25-92 ~~NOEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT ☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT ☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-25-92

REVIEWER: Art Purnum LEVEL: III DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Valladares DATE: 4-28-92



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-218

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON

UNIT 1 1 ☒ 2 1 1 PSI ☒ ISI

SYSTEM: <u>BA FILTER</u>	COMPONENT NAME: <u>SUPPORT ATTACHMENT</u>	INTEGRAL COMPONENT ID NO.: <u>CPL-312-WS-A</u>	
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DWG./LOC.: CPL-312 REV-0 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP1097 ERD 42592 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
<input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR	<input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT
	<input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Downum LEVEL: II DATE: 4-25-92

REVIEWER: Art Runcie RD LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Walladare

DATE: 4.28-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-220

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: B.A. FILTER COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-312-WS-B

DWG./LOC.: CPL-312 REV 0 / COMPONENT COOLANT ROOM

[X] VT-3 PROCEDURE: SP 1097 EPO 4-25-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>[X]</u>		<div style="transform: rotate(-45deg); display: inline-block;"> <u>N</u> <u>A</u> </div>
MISALIGNMENT		<u>[X]</u>		
DEBRIS		<u>[X]</u>		
CORROSION/EROSION		<u>[X]</u>		
STRUCTURAL INTEGRITY		<u>[X]</u>		
RESISTANCE TO MOVEMENT			<u>[X]</u>	
CLEARANCES OF MOVING PARTS			<u>[X]</u>	
ARC STRIKES/GOUGES		<u>[X]</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Charles R. Donovan LEVEL: II DATE: 4-25-92

REVIEWER: Art Pinner AP LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Walker DATE: 4-28-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-221

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: B. A. FILTER COMPONENT NAME: SUPPORT ATTACHMENT INTEGRAL COMPONENT ID NO.: CPL-312-WS-B

DWG./LOC.: CPL-312 REV-0 / COMPONENT COOLANT ROOM

[X] VT-3 PROCEDURE: SP 1097 ERD 4-25-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.?

DIRECT [X] REMOTE [X] VIDEO RECORDING NO.: [ ] [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<u>X</u>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">N</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">A</div> </div>
MISALIGNMENT		<u>X</u>		
DEBRIS		<u>X</u>		
CORROSION/EROSION		<u>X</u>		
STRUCTURAL INTEGRITY		<u>X</u>		
RESISTANCE TO MOVEMENT			<u>X</u>	
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edward R. Donovan LEVEL: II DATE: 4-25-92

REVIEWER: Art Pinner LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

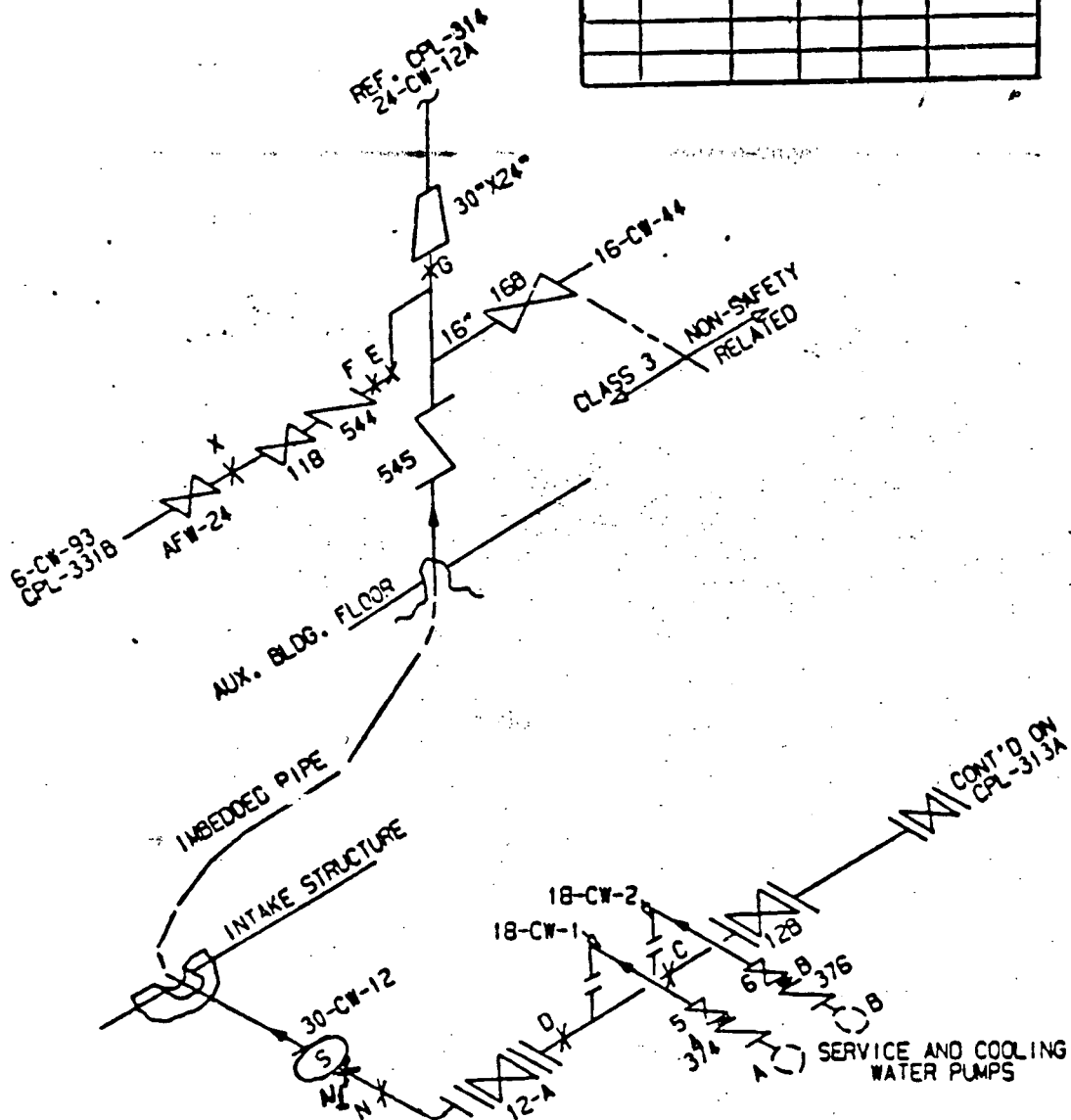
REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Welladare DATE: 4-28-92

CP & L Dwg. No. HBR7-10618 SH.126					
CP & L P.O. No. CPL 51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APPROVED BY	DATE
0	RBW	CPIL	CLO	CLO	12/13/89
1	RBW	JLV	HELL	CLO	2/11/91

DCE 91-165



CONTROLLED  
RCPT ID 296

CPL-313

REV. 1

H.B. ROBINSON S.E. PLANT	C P & L
UNIT NO. 2	
DESCRIPTION: SERVICE AND COOLING WATER	
LINE NO. 30-CW-12 CPL-313 REV.	

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-211

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>CW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 313 - A</u>
-------------------	--------------------------------	--------------------------------------

DWG./LOC.: CPL 313 REV 1 / INTAKE STRUCTURE

[X] VT-3 PROCEDURE: <sup>SP1097 AP4-23-92</sup> ~~NDEP 613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [X] OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		N/A
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT
STRUCTURAL INTEGRITY		✓		N/A
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art Pinner LEVEL: II DATE: 4-23-92

REVIEWER: Edward R. Dorman LEVEL: II DATE: 4-25-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

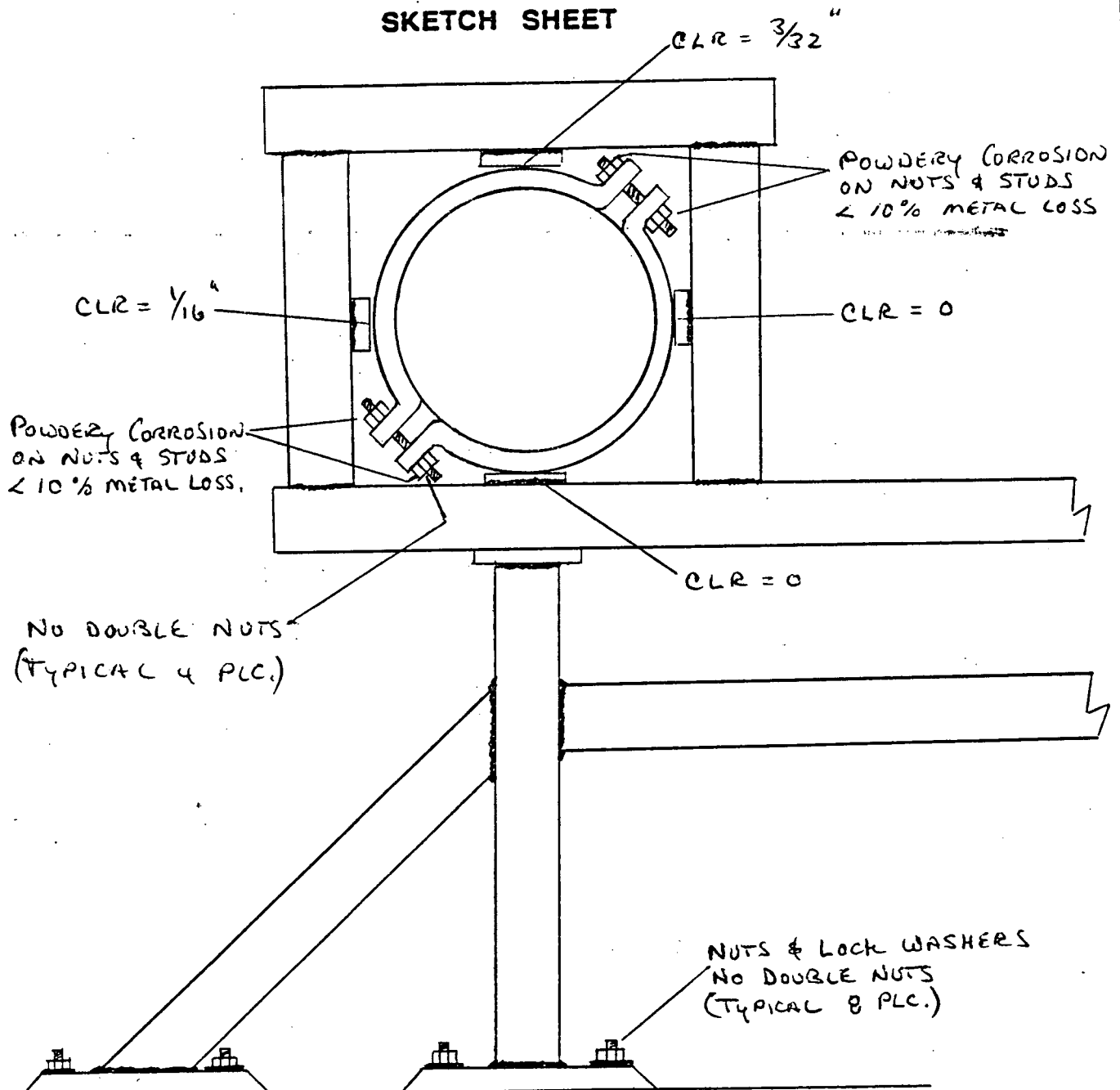
REVIEWERS COMMENTS:

ANII REVIEW: CP McLeod DATE: 4.28-92

# 1105

PAGE 2 OF 2DATA SHEET NO. 1097-211EXAM ITEM CPL 313-AISO DWG. NO. CPL 313 REV. 1

## SKETCH SHEET



EXAMINER Art Purnan  
EXAMINER N/A  
REVIEWER Edward R. Dawson  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/28/92  
DATE \_\_\_\_\_

DATE 4-23-92  
DATE N/A  
DATE 4-25-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-212

WR&A # N/A

PAGE 1 OF 1

PLANT: H.B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: CW COMPONENT NAME: INTEGRAL ATTACHMENT COMPONENT ID NO.: CPL 313-A-W5

DWG./LOC.: CAL 313 REV. 1 / INTAKE STRUCTURE

[X] VT-3 PROCEDURE: SP1097 AP9-23-92 NOEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV. 4

DIRECT [X] REMOTE [ ] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [ ] MIRROR [ ] OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	N/A
MISALIGNMENT			✓	
DEBRIS			✓	
CORROSION/EROSION			✓	
STRUCTURAL INTEGRITY			✓	
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES			✓	
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: NO INTEGRAL ATTACHMENT ON THIS SUPPORT.

EXAMINER: Cert Purnan LEVEL: II DATE: 4-23-92

REVIEWER: Elmer R. Donnan LEVEL: II DATE: 4-25-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: Billadone

DATE: 4-28-92

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-166

WR&A # N/A

PAGE 1 OF 2

PLANT: H.B. Robinson UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>CW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 313 - C</u>
-------------------	--------------------------------	--------------------------------------

DWG./LOC.: CPL 313 REV. 1 / INTAKE STRUCTURE

[X] VT-3 PROCEDURE: SP.1097 AP 4-16-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER <u></u>	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art Pinner LEVEL: II DATE: 4-16-92

REVIEWER: Chf Moss PM LEVEL: II DATE: 4-18-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

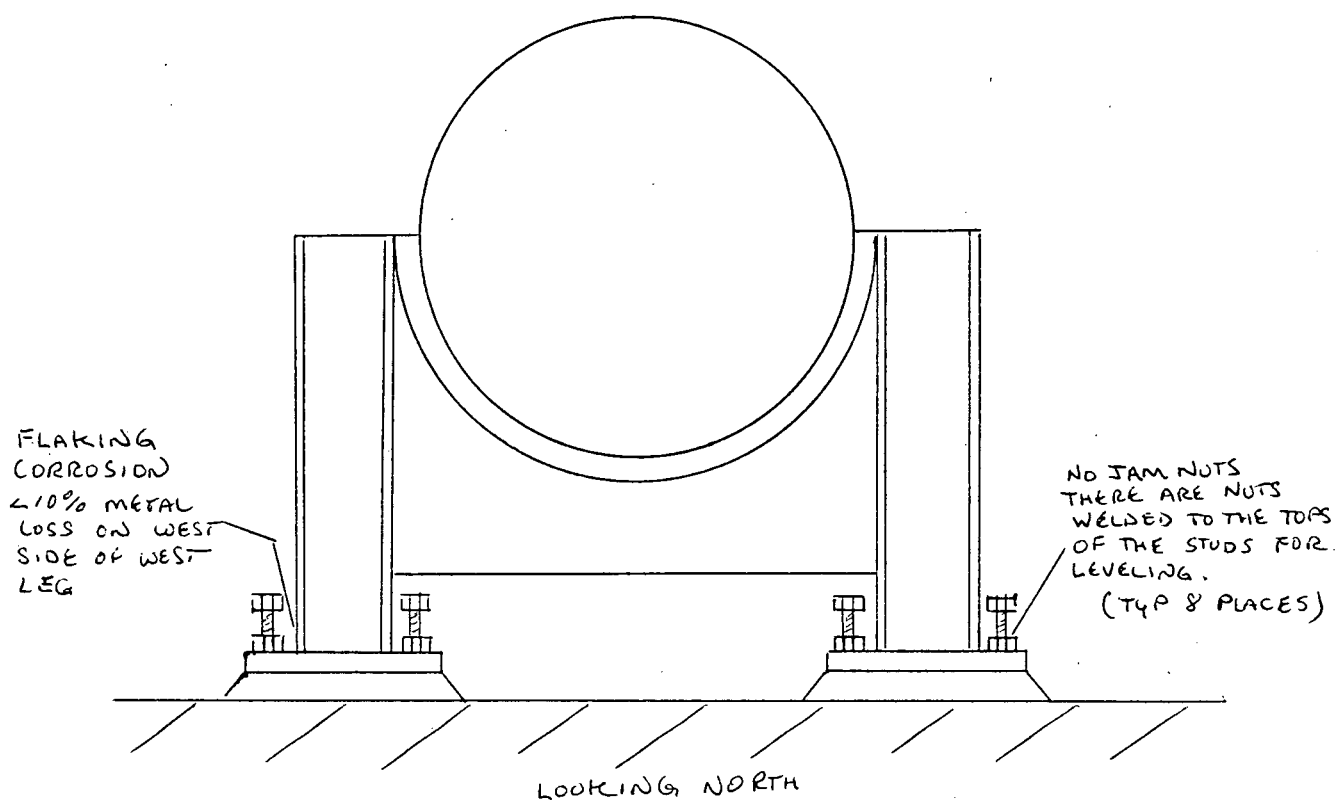
ANII REVIEW: R Valladares DATE: 4 23 92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1077-166EXAM ITEM CPL 313 - CISO DWG. NO. CPL 313 REV. Q1AP  
4-16-92

## SKETCH SHEET



EXAMINER Art Purnan  
EXAMINER N/A  
REVIEWER Cliff Mast  
REVIEWER Richard B. Weber  
REVIEWER AW

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/21/92  
DATE \_\_\_\_\_

DATE 4-16-92  
DATE N/A  
DATE 4-18-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-213

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT 1 1 X 2 1 PSI X ISI

SYSTEM: <u>CW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 313 - C1</u>
-------------------	--------------------------------	---------------------------------------

DWG./LOC.: CPL 313 REV 1 / INTAKE STRUCTURE

X VT-3 PROCEDURE: <sup>SP1097 APY-2342</sup> ~~NBEP-613~~ REV.: 0 1 VT-4 PROCEDURE: 614 REV.

DIRECT <u>X</u> REMOTE <u>X</u>	VIDEO RECORDING NO: <u>X</u> N/A
EQUIPMENT USED: <u>X</u> FLASHLIGHT <u>X</u> MIRROR <u> </u> OTHER <u>                    </u>	TYPE OF COMPONENT SUPPORT: <u> </u> HYDRAULIC SNUBBER <u> </u> CONSTANT SUPPORT <u> </u> MECHANICAL SNUBBER <u> </u> VARIABLE SUPPORT <u>X</u> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		N/A
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		N/A
RESISTANCE TO MOVEMENT	✓			
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		N/A
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art Pinner LEVEL: II DATE: 4-23-92

REVIEWER: Edward R. Donovan LEVEL: II DATE: 4-25-92

COMPONENT CONDITION:   SATISFACTORY   UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Calladare

DATE: 4-28-92

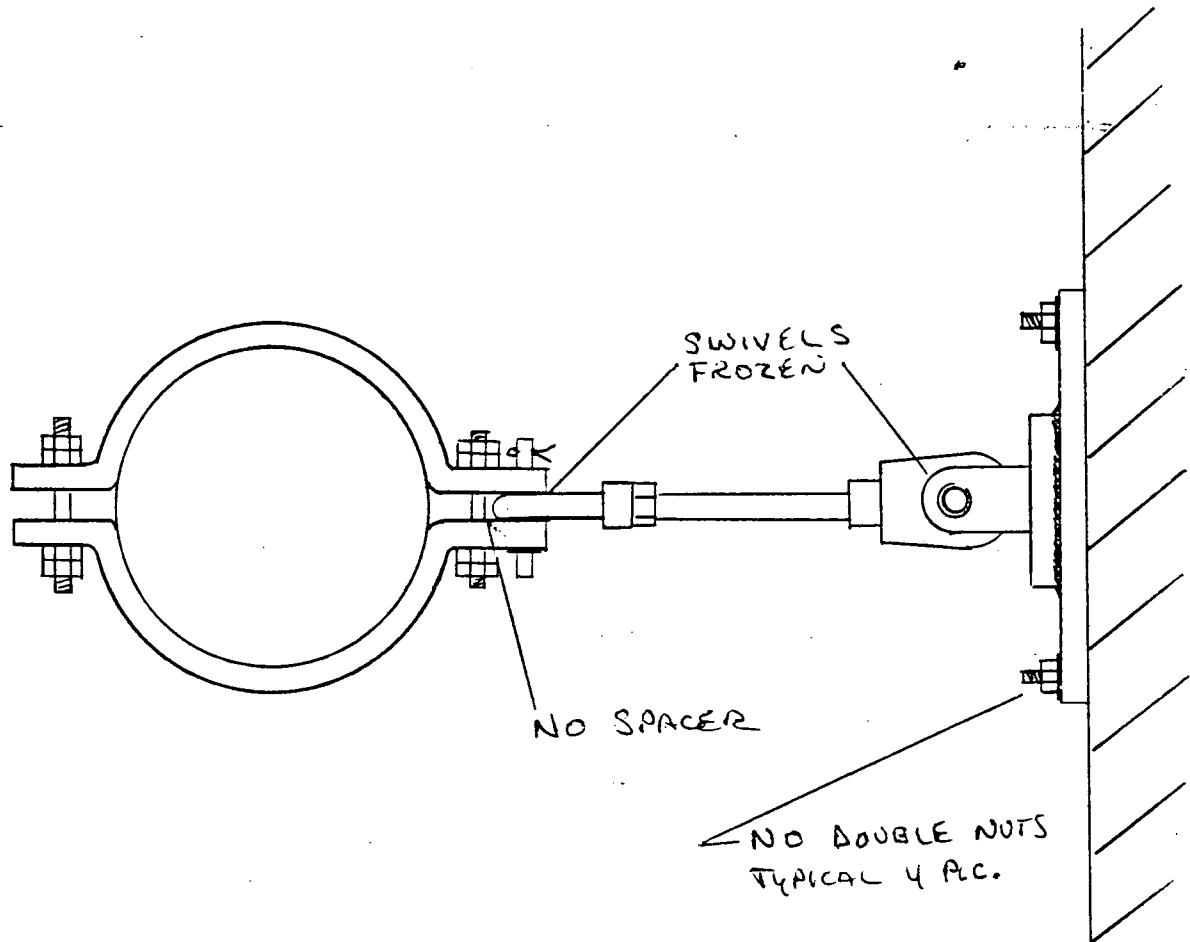
# 1125

PAGE 2 OF 2

DATA SHEET NO. \_\_\_\_\_

EXAM ITEM CPL 313 - C1ISO DWG. NO. CPL 313 REV. 1

## SKETCH SHEET



EXAMINER Carl P. [Signature]  
EXAMINER N/A  
REVIEWER Richard R. Dawson  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/28/92  
DATE \_\_\_\_\_

DATE 4-23-92  
DATE N/A  
DATE 4-25-92



Carolina Power &amp; Light Company

VISUAL EXAMINATION  
DATA SHEETREPORT NO. 1097-67WR&A # N/APAGE 1 OF 2PLANT: H. B. ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISISYSTEM: CW COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL 313 - DDWG./LOC.: CPL 313 REV 1 / INTAKE STRUCTURE[x] VT-3 PROCEDURE: <sup>SP 1097 AP4-1642</sup>NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [x] REMOTE [x] VIDEO RECORDING NO: [x] N/A

EQUIPMENT USED: [x] FLASHLIGHT [x] MIRROR [ ] OTHER \_\_\_\_\_ TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [x] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONSEXAMINER: Art P... LEVEL: II DATE: 4-16-92REVIEWER: Cliff Moss LEVEL: II DATE: 4-18-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

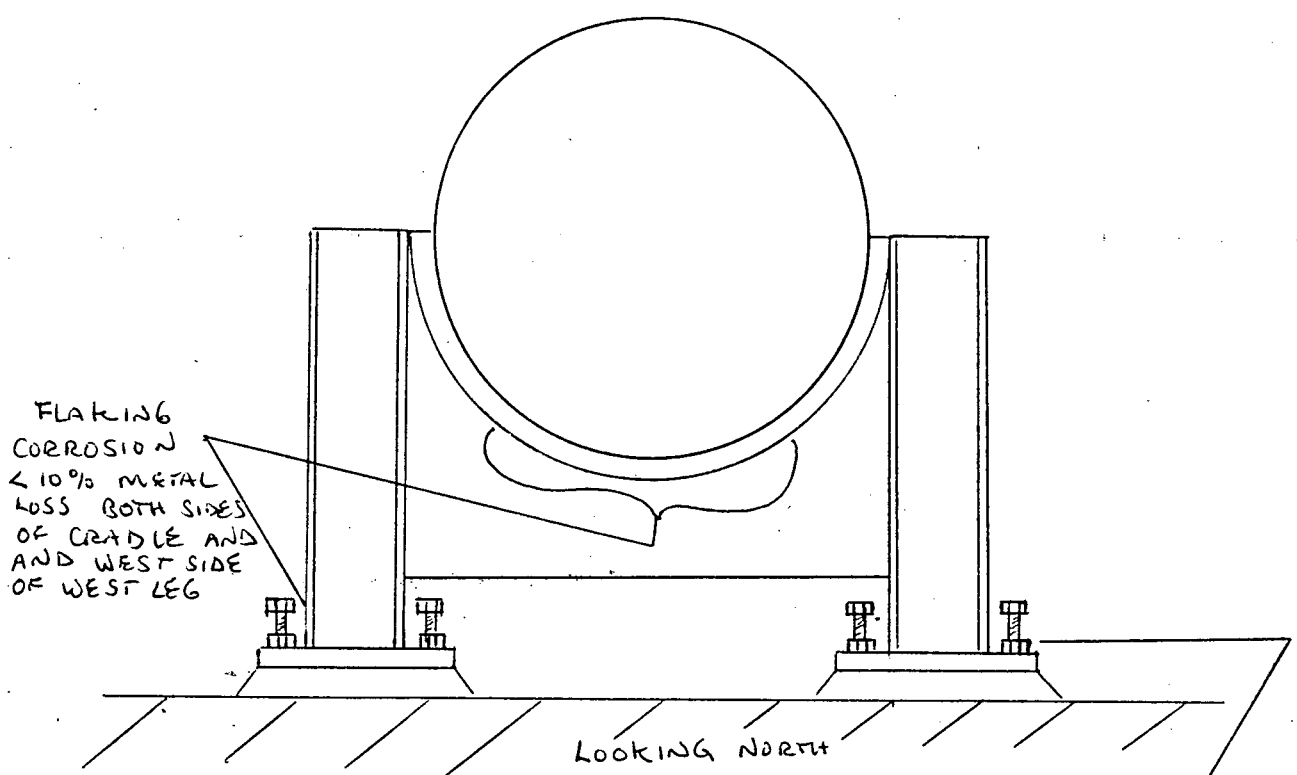
ANII REVIEW: R. M. ValladaresDATE: 4-23-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-167  
EXAM ITEM CPL 313 - D  
ISO DWG. NO. CPL 313 REV. 01

## SKETCH SHEET

AP 4-18-92



EXAMINER Det Puma  
EXAMINER N/A  
REVIEWER CHP Moss  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/21/92  
DATE \_\_\_\_\_

DATE 4-16-92  
DATE N/A  
DATE 4-18-92



**CP&L**  
 Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-56

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 1 1 ☒ 2 1 PSI ☒ ISI

SYSTEM: SERV. <u>COOL. WATER</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-314-A</u>
-------------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL-314, Rev 0 / COMPONENT COOLANT RM.

☒ VT-3 PROCEDURE: <sup>SP-1097 ERD 4-6-92</sup>~~NDEP-613~~ REV.: 0      ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/> EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>6" SCALE</u>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS	<sup>ERD 4-7-92</sup> <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER <u>N/A</u>	ACTUAL:	<u>N/A</u>	STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: ☒ RECORDABLE INDICATION  
<sup>ERD 4-8-92</sup>☒

EXAMINER: Edmund L. Donovan LEVEL: II DATE: 4-6-92

REVIEWER: Art Pinner LEVEL: II DATE: 4-7-92

COMPONENT CONDITION: ☐ SATISFACTORY      ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

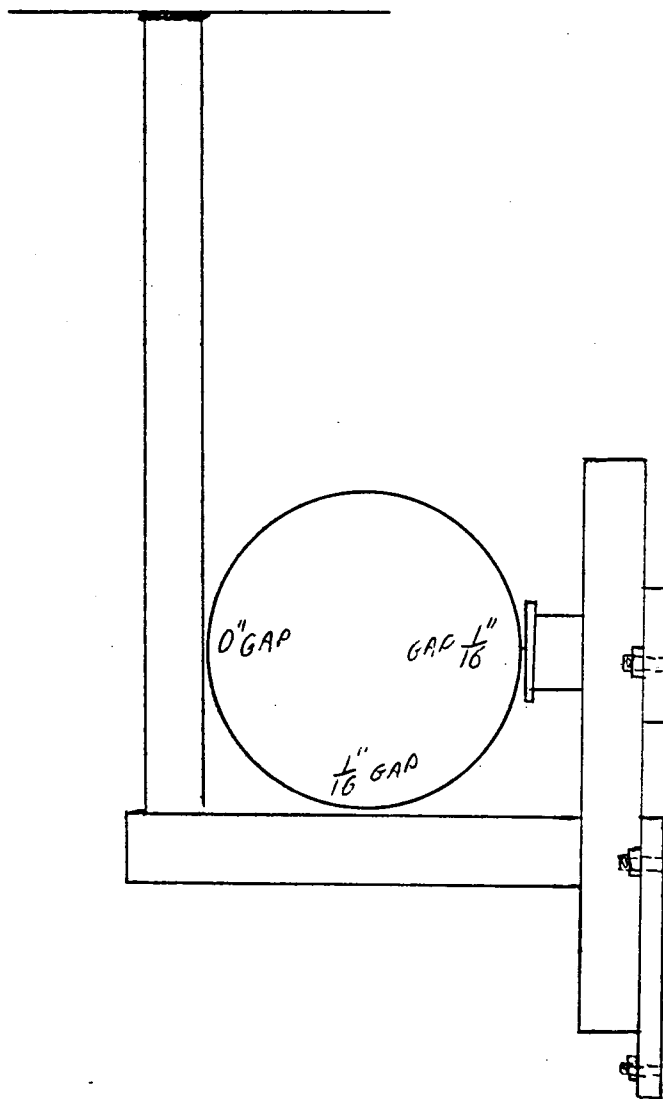
REVIEWERS COMMENTS:

ANII REVIEW: [Signature] DATE: 4-10-92

# 125

PAGE 2 OF 2  
DATA SHEET NO. 1097-56  
EXAM ITEM CPL-314-A  
ISO DWG. NO. CPL-314 REV. 0

## SKETCH SHEET



NEED TO KNOW  
GAP TOLERANCE  $\pm 0.004$   
TOLERANCE

EXAMINER Edward L. Donovan  
EXAMINER SA  
REVIEWER Art Pymmer  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-6-92  
DATE NA  
DATE 4-7-92

DM



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-52

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 1 1 X 2 1 PSI X ISI

SYSTEM: SERV. & COOL. WATER COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-314-B

DWG./LOC.: CPL-314 REV 0 / COMPONENT COOLANT RM.

X VT-3 PROCEDURE: SP-1097 ERO 4692 NDEP-613 REV.: 0 1 VT-4 PROCEDURE: 614 REV.: 0

DIRECT X REMOTE X VIDEO RECORDING NO: X N/A

EQUIPMENT USED: X FLASHLIGHT X MIRROR  
X OTHER 6" SCALE  
 TYPE OF COMPONENT SUPPORT:  
1 HYDRAULIC SNUBBER 1 CONSTANT SUPPORT  
X MECHANICAL SNUBBER 1 VARIABLE SUPPORT  
X SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>X</u>		
MISALIGNMENT		<u>X</u>		
DEBRIS		<u>X</u>		
CORROSION/EROSION		<u>X</u>		
STRUCTURAL INTEGRITY		<u>X</u>		
RESISTANCE TO MOVEMENT	<u>X</u>			<u>SEE ATTACHED SKETCH</u>
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER <u>N/A</u>	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: N RECORDABLE INDICATIONS  
ERO  
4-8-92

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-6-92

REVIEWER: Art Purnum LEVEL: II DATE: 4-7-92

COMPONENT CONDITION: 1 SATISFACTORY 1 UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

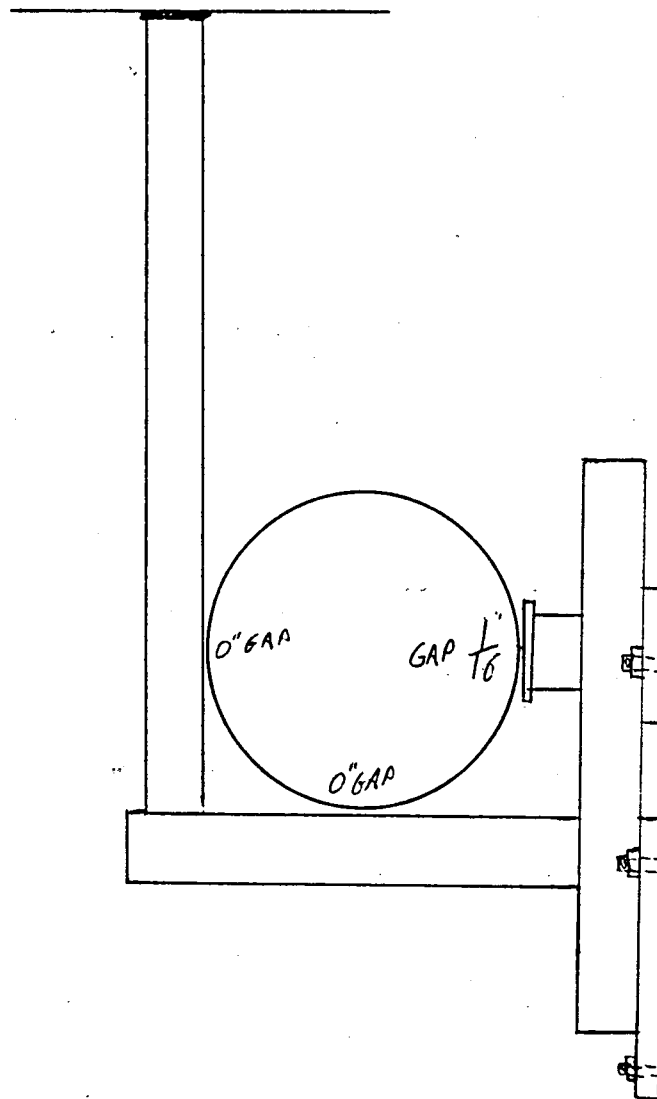
REVIEWERS COMMENTS:

ANII REVIEW: RP Vallasquez DATE: 4.10.92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-57EXAM ITEM CPL-314-BISO DWG. NO. CPL 314 REV. 0

## SKETCH SHEET



NEED TO KNOW  
GAP TOLERANCE

EXAMINER Edmund J. DonovanEXAMINER NAREVIEWER Geo. P. ...REVIEWER Richard B. WeberREVIEWER   LEVEL IILEVEL NALEVEL IIDATE 4/10/92DATE   DATE 4-6-92DATE NADATE 4-7-92bn

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-58

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COOL WATER COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-314-J

DWG./LOC.: CPL-314 Rev 0 / COMPONENT COOLANT RM.

[X] VT-3 PROCEDURE: SP 1097 ERA 4-6-92 NOEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		X		
MISALIGNMENT		X		
DEBRIS	X			SEE ATTACHED SKETCH
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY		X		
RESISTANCE TO MOVEMENT	X			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER N/A	ACTUAL: N/A	STROKE: N/A	S/N N/A	

COMMENTS: N/A RECORDABLE INDICATION  
CRD 4-8-92

EXAMINER: Edmund L. Dorman LEVEL: II DATE: 4-6-92

REVIEWER: Art Rimmerman LEVEL: II DATE: 4-7-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

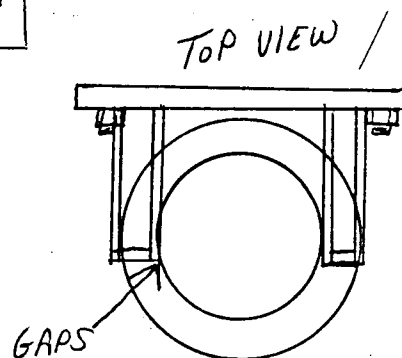
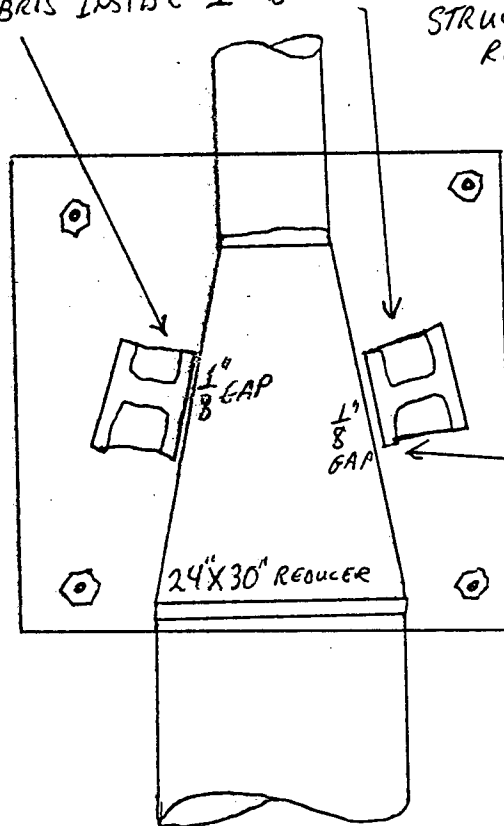
ANII REVIEW: R. Walker DATE: 4-10-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-58EXAM ITEM CPL-314-JISO DWG. NO. CPL-314REV. 0

## SKETCH SHEET

LOOKING EAST

DEBRIS INSIDE "I" BEAMS DOES NOT AFFECT THE  
STRUCTURAL INTEGRITY OF  
RESTRAINT

EXAMINER

Charles R. Donovan

LEVEL

II

DATE

4-6-92

EXAMINER

NA

LEVEL

NA

DATE

NA

REVIEWER

Art P...

LEVEL

II

DATE

4-7-92

REVIEWER

Richard B. Weber

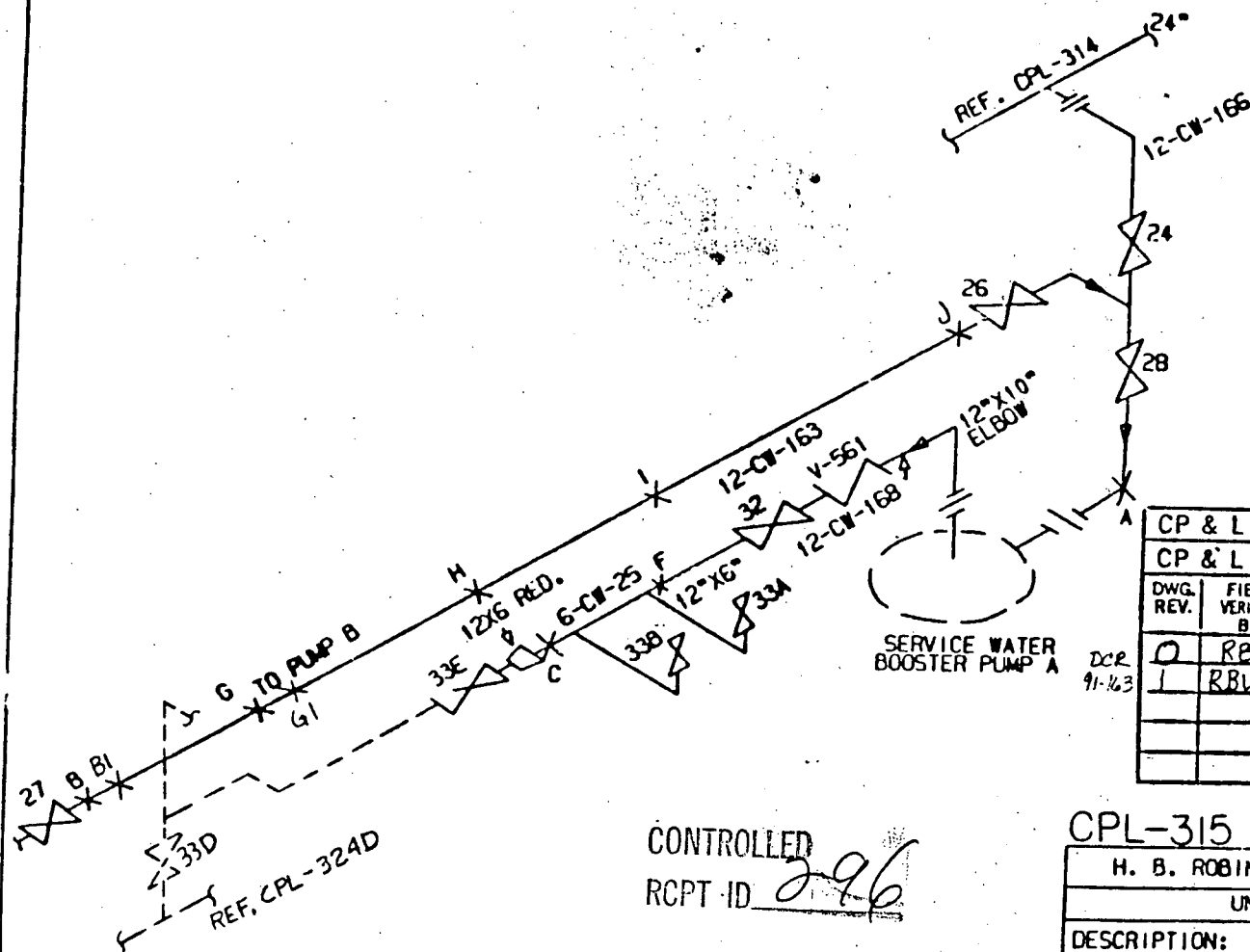
DATE

4/10/92

REVIEWER

DATE

AW



CP & L Dwg. No. HBR2-10418 SH.130					
CP & L P.O. No. CPL 51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	CPIL	CLO	CLO	12/13/89
1	RBW	HELL	WLL	CLO	2/11/91

CPL-315 REV.1

H. B. ROBINSON S. E. PLANT

UNIT NO. 2

DESCRIPTION: SERVICE AND COOLING WATER

CONTROLLED  
RCPT ID 296

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-93

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SERVICE COOLING WATER</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-315-A</u>
---	-----------------------------------	---------------------------------------

DWG./LOC.: CPL 315 REV-1 / AUX HALLWAY

☒ VT-3 PROCEDURE: SP 1097 ERO 4-7-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 2em; transform: rotate(45deg); display: inline-block;">/</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-7-92

REVIEWER: Art Pinner APD LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

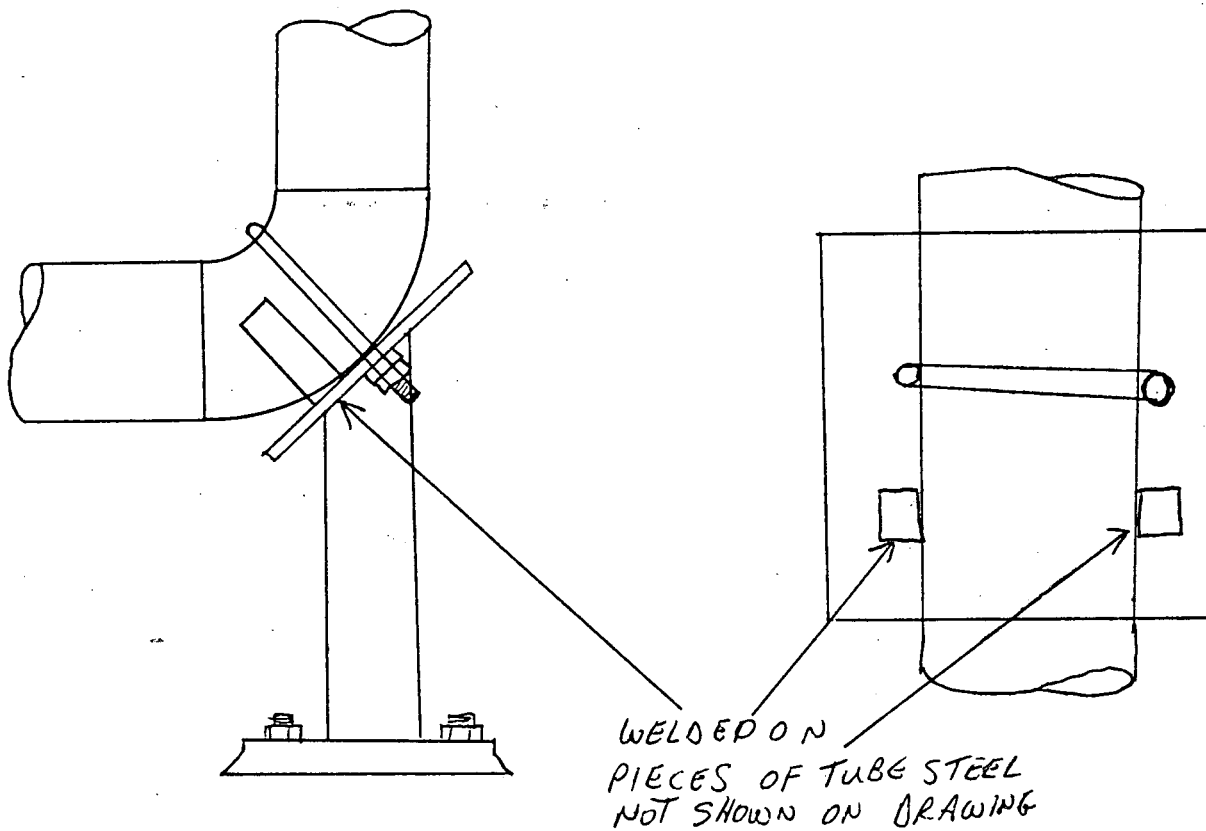
REVIEWERS COMMENTS:

ANII REVIEW: R. P. Valladane DATE: 4.15.92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-93EXAM ITEM CPL-315-AISO DWG. NO. CPL 315 REV. 1

## SKETCH SHEET

EXAMINER Charles E. DonovanEXAMINER NAREVIEWER Art RuncornREVIEWER Richard B. WeberREVIEWER AMLEVEL IILEVEL NALEVEL IIDATE 4/14/92

DATE \_\_\_\_\_

DATE 4792DATE NADATE 4-11-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-39

WR&A # NA

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SERVICE COOLING WATER</u>	COMPONENT NAME: <u>BOX RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-315-B</u>
---	---	---------------------------------------

DWG./LOC.: CPL 315 REV-1 / AUX NACLWAY

☒ VT-3 PROCEDURE: SP 1097 ERO 4-7-92  
~~NOEP-613~~ REV.: 0      ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH FOR GAPS</u>
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: ERD 4-8-92 RECORDABLE INDICATIONS

EXAMINER: Charles L. Donora LEVEL: II DATE: 4-7-92

REVIEWER: Art Purnan LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: ☐ SATISFACTORY      ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: R. P. Madaras DATE: 4-10-92

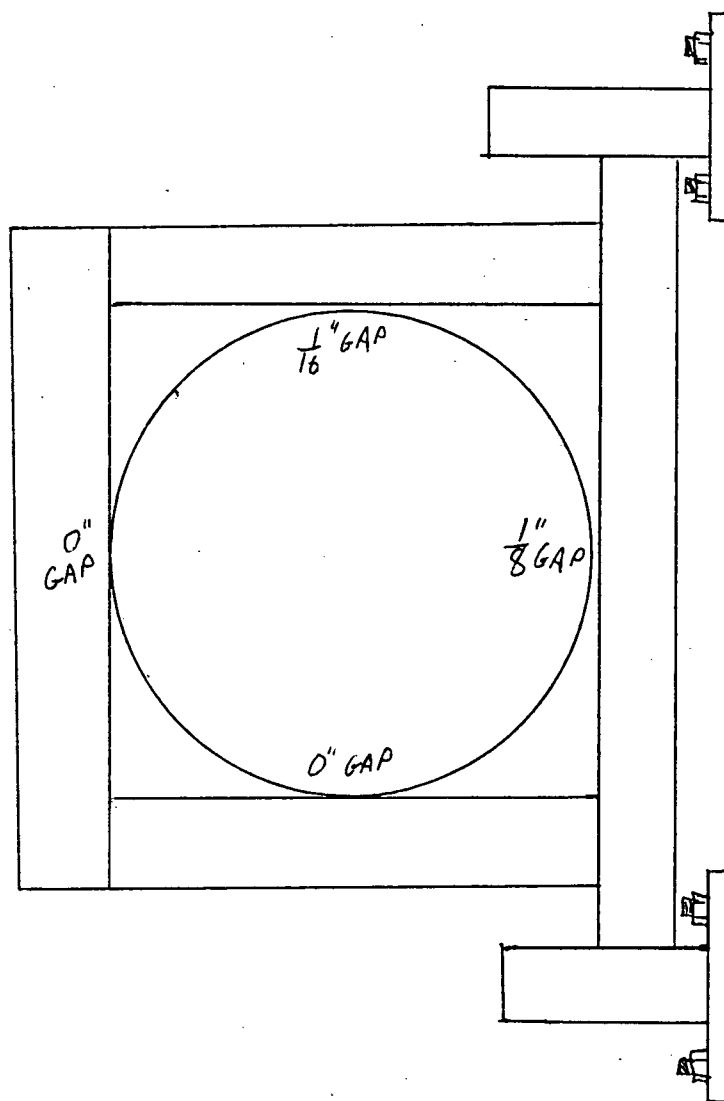


DATA SHEET NO. 1077-59

EXAM ITEM CPL-315-B

ISO DWG. NO. CPL 315 REV. 1

# SKETCH SHEET



EXAMINER Edmund K Dorosan

EXAMINER NA

REVIEWER Art Pennino

REVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL II

LEVEL 1/2

LEVEL II

DATE 4/10/92

DATE \_\_\_\_\_

DATE 4-7-92

DATE 2/8

DATE 4-9-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-60

WR&A # N/A

PAGE 1 OF 1

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SERVICE COOLING WATER</u>	COMPONENT NAME: <u>SEE COMMENTS</u>	COMPONENT ID NO.: <u>CPL-315-B1</u>
---	--	--

DWG./LOC.: CPL 315 REV-1 / AUX HALLWAY

☒ VT-3 PROCEDURE: SP 1097 ERO 4-7-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
EQUIPMENT USED: <input type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	SUPPORT CPL-315-B1 ON ISO CPL 315
MISALIGNMENT			<input checked="" type="checkbox"/>	DOES NOT EXIST. THE FRAME FOR THE LINE
DEBRIS			<input checked="" type="checkbox"/>	RUNNING PARALLEL TO LINE 12 CW 163
CORROSION/EROSION			<input checked="" type="checkbox"/>	PASSES OVER AND UNDER LINE 12-CW-163
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	BUT DOES NOT SUPPORT OR RESTRAIN
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	LINE 12-CW-163
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NORECORDABLE INDICATION  
ERO 4-8-92

EXAMINER: Edward R. Darrow LEVEL: II DATE: 4-7-92

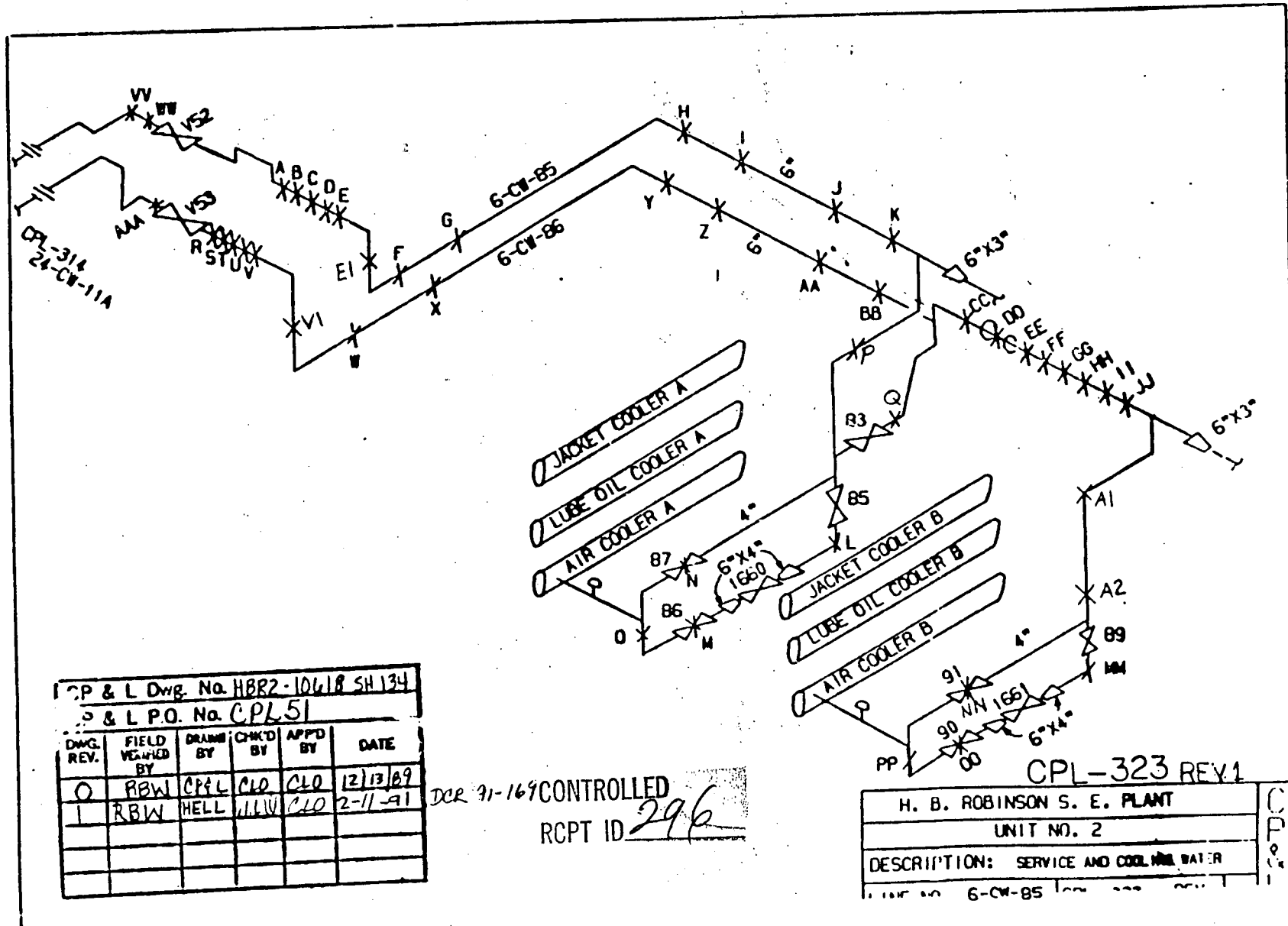
REVIEWER: Art Purnum APM LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: BP Valladares DATE: 4-10-92

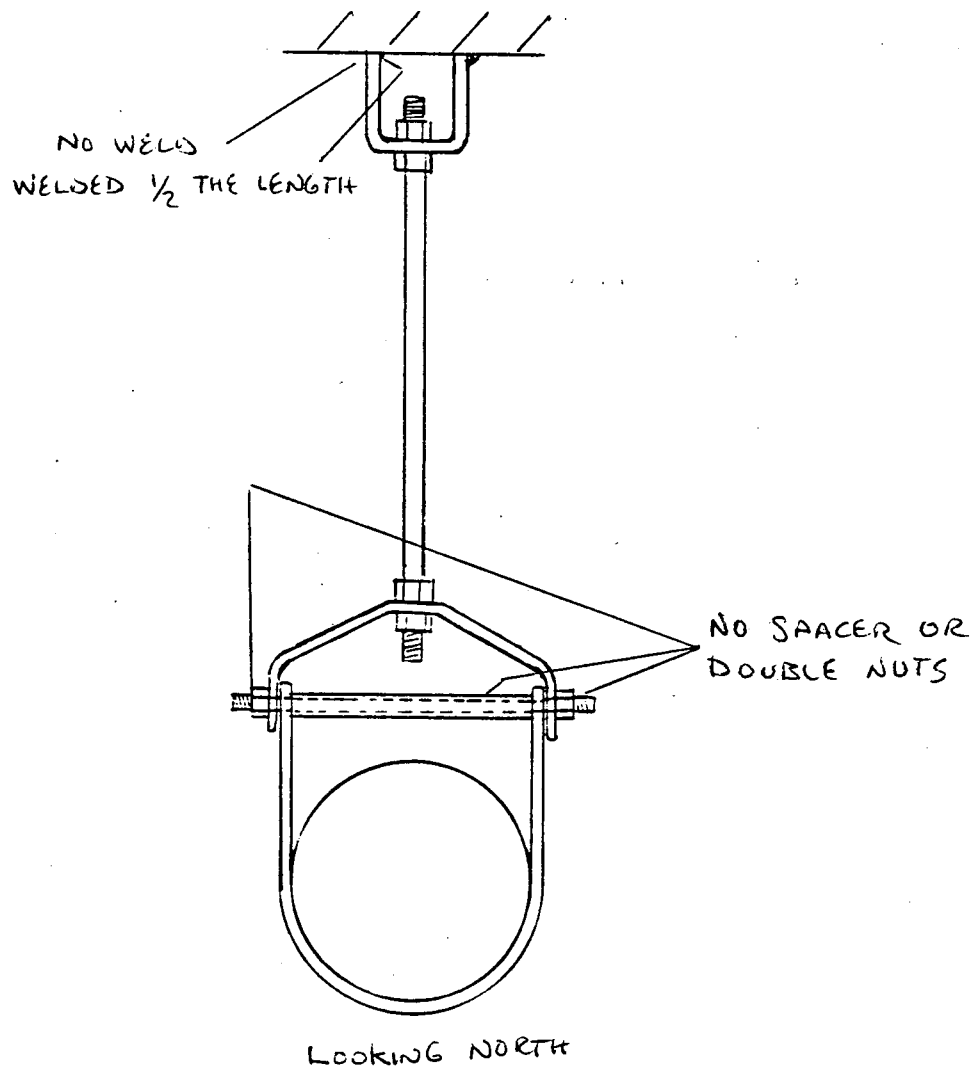




# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-168  
EXAM ITEM CPL 323-A  
ISO DWG. NO. CPL 323 REV. 1

## SKETCH SHEET



EXAMINER Art Rumm  
EXAMINER N/A  
REVIEWER Chris Moss  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/21/92  
DATE \_\_\_\_\_

DATE 4-18-92  
DATE N/A  
DATE 4-20-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-289

WR&A # N/A

PAGE 1 OF 1

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: SERVICE AND COOLING WATER COMPONENT NAME: HANGER COMPONENT ID NO.: CPL-323-A1

DWG./LOC.: CPL-323 REV-1 "B" DIESEL GENERATOR ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 5-16-92 NOEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [ ] MIRROR [ ] OTHER                      TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>[X]</u>		<u>N</u> <u>A</u>
MISALIGNMENT		<u>[X]</u>		
DEBRIS		<u>[X]</u>		
CORROSION/EROSION		<u>[X]</u>		
STRUCTURAL INTEGRITY		<u>[X]</u>		
RESISTANCE TO MOVEMENT			<u>[X]</u>	
CLEARANCES OF MOVING PARTS		<u>[X]</u>		
ARC STRIKES/GOUGES		<u>[X]</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM AFTER REPAIR

WR/JO 92-AFSC1

EXAMINER: Edmund P. Donovan LEVEL: II DATE: 5-15-92

REVIEWER: Art Pinner LEVEL: II DATE: 5-16-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/18/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Halladame DATE: 5-18-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097769

WR&A # N/A

PAGE 1 OF 1

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 323-B</u>
-------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL 323 REV 1 / AUX BLDG HALLWAY

[X] VT-3 PROCEDURE: <sup>SP1097 AP 4-18-92</sup> ~~NOEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT [X] REMOTE [X]	VIDEO RECORDING NO: [X] N/A
EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT		✓		
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Curt Purnell LEVEL: II DATE: 4-18-92

REVIEWER: Chet Moss LEVEL: II DATE: 4-20-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard S. Weber 4/21/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Phalladen

DATE: 4-21-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1397-70

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 323-C</u>
-------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL 323 REV 1 / Aux. BLDG. HALLWAY

[X] VT-3 PROCEDURE: <sup>SP-1097 RP 4-18-92</sup> NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER <u></u>	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	SUPPORT/HANGER			COMMENTS
	YES	NO	N/A	
FASTENING DEVICES	✓			SEE ATTACHMENT  N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT  N/A
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	N/A
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art Purnan LEVEL: II DATE: 4-18-92

REVIEWER: Chf Moss LEVEL: II DATE: 4-20-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

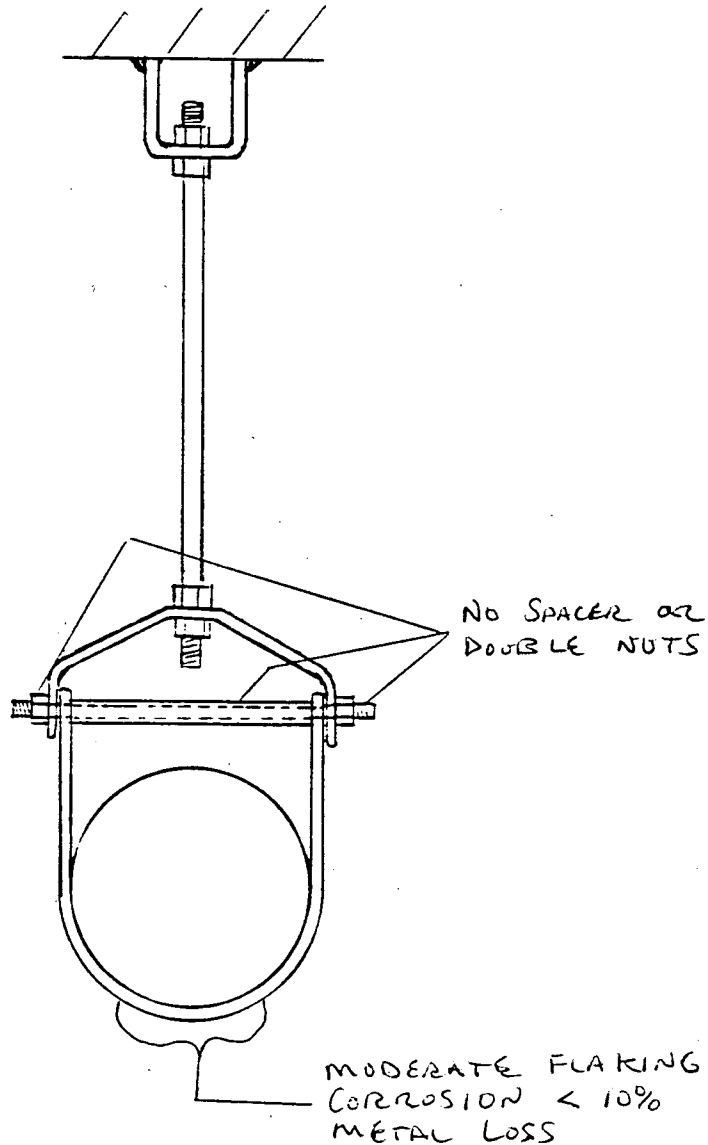
ANII REVIEW: RP Valladane DATE: 4-23-92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-170EXAM ITEM CPL 323-CISO DWG. NO. CPL 323REV. 1

## SKETCH SHEET



EXAMINER

Art P...

LEVEL

IIDATE 4-18-92

EXAMINER

N/A

LEVEL

N/A

DATE

N/A

REVIEWER

Chad Mast

LEVEL

II

DATE

4-20-92

REVIEWER

Richard B. Weber

DATE

4/21/92

REVIEWER

DATE

fm



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-171

WR&A # N/A

PAGE 1 OF 1

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 323 - VV</u>
-------------------	--------------------------------	---------------------------------------

DWG./LOC.: CPL 323 REV 1 / AUX. BLDG HALLWAY

[X] VT-3 PROCEDURE: <sup>SP1097 AP41B-92</sup> NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT		✓		
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Art Ruman LEVEL: II DATE: 4-18-92

REVIEWER: Cliff Moss LEVEL: II DATE: 4-20-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

ANTI REVIEW: R. P. Walladare DATE: 4-21-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-172

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT 1 1 X2 1 PSI X ISI

SYSTEM: <u>SW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 323-WW</u>
-------------------	--------------------------------	-------------------------------------

DWG./LOC.: CPL 323 REV 1 / AUX. BLDG. HALLWAY

☒ VT-3 PROCEDURE: SP 1097 AP 4-18-92 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
<input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR	<input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT
<input type="checkbox"/> OTHER <u></u>	<input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT
	<input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHMENT
MISALIGNMENT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHMENT
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art Purnum LEVEL: II DATE: 4-18-92

REVIEWER: Cliff Mast LEVEL: II DATE: 4-20-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

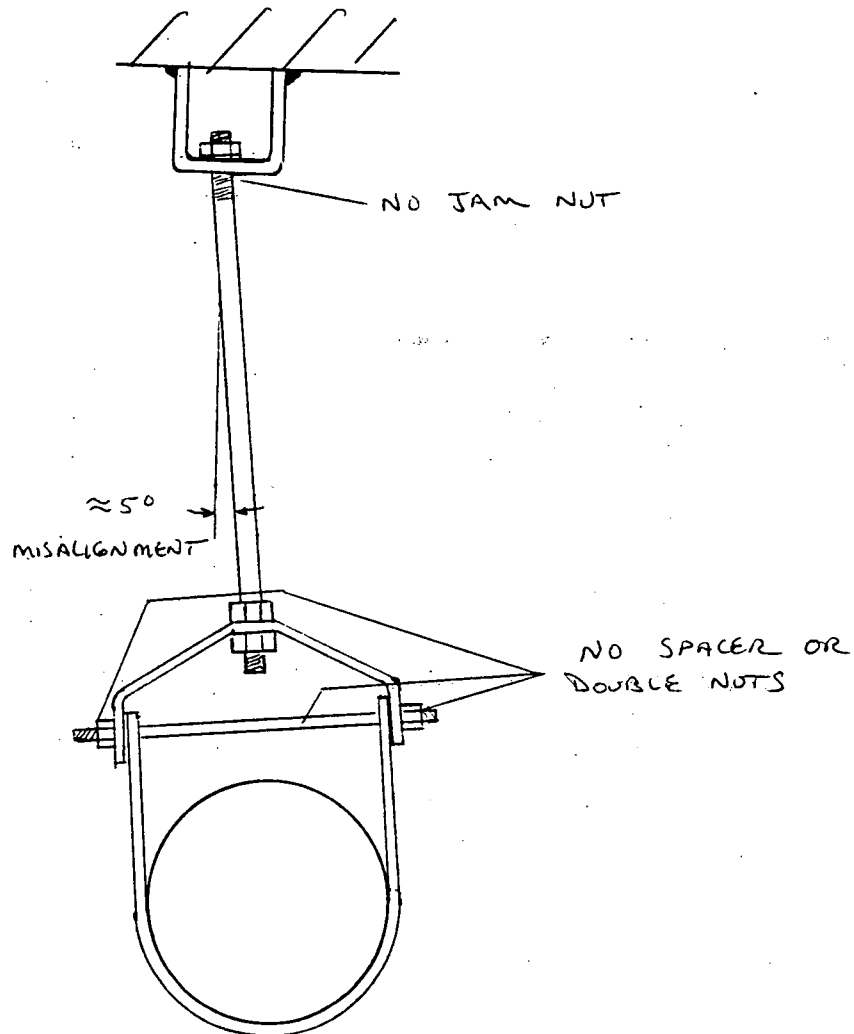
ANII REVIEW: AP Valladares

DATE: 4-23-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1077-172EXAM ITEM CPL-323 - WWISO DWG. NO. CPL-323 REV. 1

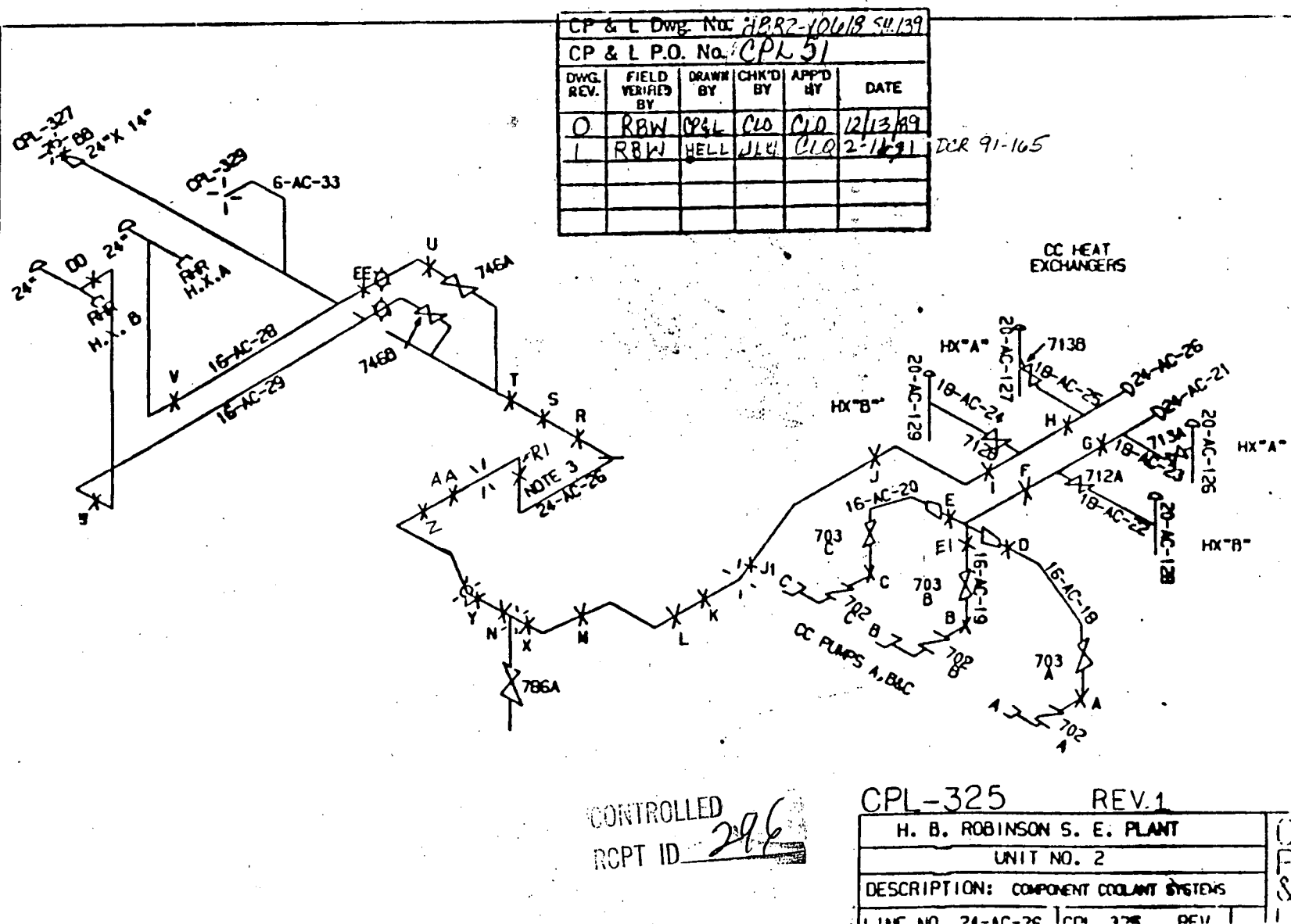
## SKETCH SHEET



EXAMINER Art Puma  
EXAMINER N/A  
REVIEWER Chris Moss  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/21/92  
DATE \_\_\_\_\_

DATE 4-18-92  
DATE N/A  
DATE 4-20-92



VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-23

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

COMPONENT COOLING	COMPONENT NAME: <u>STATION</u>	COMPONENT ID NO.: <u>CPL-325-A</u>
-------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL-325 Rev. 1 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4.4.92 NBEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED:

☒ FLASHLIGHT ☒ MIRROR  
☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT:

<input type="checkbox"/> HYDRAULIC SNUBBER	<input type="checkbox"/> CONSTANT SUPPORT
<input type="checkbox"/> MECHANICAL SNUBBER	<input type="checkbox"/> VARIABLE SUPPORT
<input checked="" type="checkbox"/> SUPPORT/HANGER	

CONDITION Present	YES NO N/A			COMMENTS
	YES	NO	N/A	
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">N A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund L. Davern

LEVEL: II

DATE: 4-4-92

REVIEWER: Pat Purnum

LEVEL: II

DATE: 4-10-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard P. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: R. P. Valladares

DATE: 4.15.92



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-22

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLING COMPONENT NAME: INTEGRAL ATTACHMENT COMPONENT ID NO.: CPL 325-WS-A

DWG./LOC.: CPL 325 Rev.1 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERD 4492 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☐ OTHER \_\_\_\_\_ TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT ☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT ☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	N/A
MISALIGNMENT			<input checked="" type="checkbox"/>	
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: INTEGRAL ATTACHMENT WELD IS PAINTED

NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-4-92

REVIEWER: Art Purnum LEVEL: III DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: JP Valladares

DATE: 4.15.92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-27

WR&A # N/A

PAGE 1 OF 1

PLANT: <u>HB ROBINSON</u>		UNIT <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> PSI <input checked="" type="checkbox"/> ISI	
SYSTEM: COMPONENT <u>COOLERS</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-325-D</u>	
DWG./LOC.: <u>CPL-325 Rev. 1</u> / <u>COMPONENT COOLANT ROOM</u>			
<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 ERO 4492</u> <u>NDEP-613 REV.: 0</u>		<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>	
DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>		VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A	
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____		TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER	
CONDITION Present	YES	NO	N/A
FASTENING DEVICES		<input checked="" type="checkbox"/>	N/A
MISALIGNMENT		<input checked="" type="checkbox"/>	
DEBRIS		<input checked="" type="checkbox"/>	
CORROSION/EROSION		<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT		<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>		
SNUBBER	ACTUAL: <u>N/A</u>	STROKE: <u>N/A</u>	S/N <u>N/A</u>
COMMENTS: <u>NO RECORDABLE INDICATIONS</u>			
EXAMINER: <u>Edmund R. Donovan</u>	LEVEL: <u>II</u>	DATE: <u>4-4-92</u>	
REVIEWER: <u>Art Purnell</u>	LEVEL: <u>II</u>	DATE: <u>4-11-92</u>	
COMPONENT CONDITION: <input type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY			
REVIEWED BY: <u>Richard B. Weber 4/14/92</u>			
REVIEWERS COMMENTS:			
ANII REVIEW: <u>Bob Valladares</u>		DATE: <u>4-15-92</u>	



VISUAL EXAMINATION  
DATA SHEETREPORT NO. 1097-26WR&A # N/APAGE 1 OF 2PLANT: HB ROBINSONUNIT 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: COMPONENT <u>COOLING</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-325-E</u>
-------------------------------------	--------------------------------------	---------------------------------------

DWG./LOC.: CPL-325 REV.1 / COMPONENT COOLANT ROOM

<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP-1097 ERO 4.492</u> <u>NDEP-613 REV.: 0</u>	<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>
---	---

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>LOOSE NUT-SEE ATTACHED SKETCH</u>
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>LOOSE NUT-SEE ATTACHED SKETCH</u>
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONEXAMINER: Edmund L. Dawson LEVEL: II DATE: 4-4-92REVIEWER: Art Rimmer LEVEL: II DATE: 4-11-92COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORYREVIEWED BY: Richard B. Weber 4/14/92

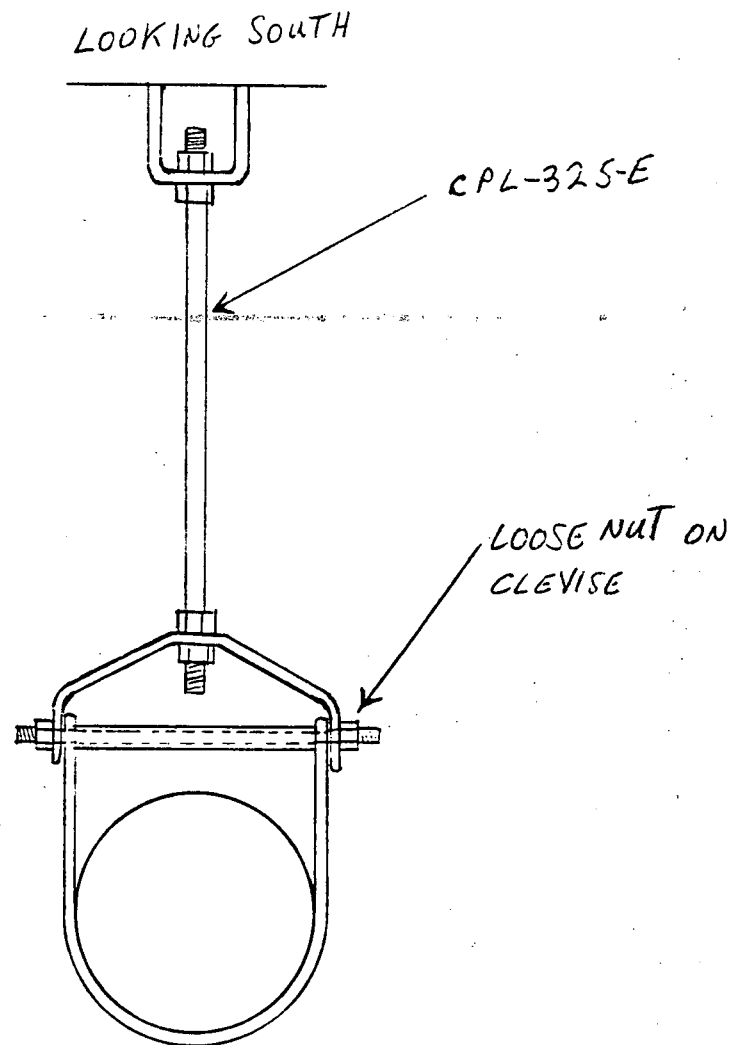
REVIEWERS COMMENTS:

ANII REVIEW: R. ValladaresDATE: 4-15-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-26  
EXAM ITEM CPL-325-E  
ISO DWG. NO. CPL-325 REV. 1

## SKETCH SHEET



EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER W. J. Pinner  
REVIEWER Richard B. Wilcox  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL III  
DATE 4/14/92  
DATE \_\_\_\_\_

DATE 4-4-92  
DATE NA  
DATE 4-6-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-259

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-325-E</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-325 REV-1 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERD 5-6-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/> EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;">N/A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>			STROKE: <u>N/A</u> S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE EXAM AFTER REPAIR

WR/JO 92-AEXK1

EXAMINER: Edmund K. Darr LEVEL: II DATE: 5-6-92

REVIEWER: Art Purnan LEVEL: II DATE: 5-7-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/8/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares

DATE: 5-13-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-29

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>BOX RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-325-E1</u>
-------------------------------------	---	--

DWG./LOC.: CPL 325-REV-1 / COMPONENT COOLANT ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 4692 NDEP-623 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

EXAMINER: Edmund R. Donora LEVEL: II DATE: 4-4-92

REVIEWER: Art Purnell LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard A. Weber 4/9/92

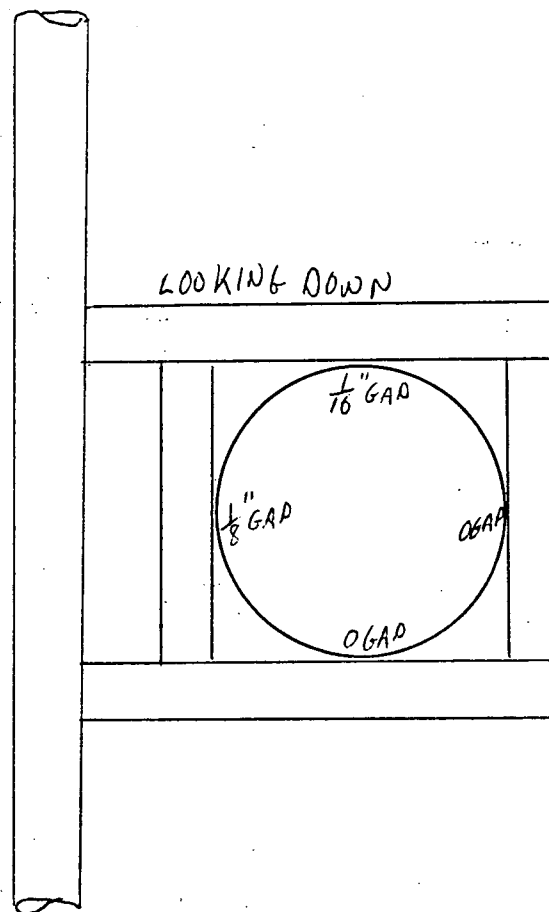
REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 4.9.92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-29EXAM ITEM CPL-325-E1ISO DWG. NO. CPL-325 REV. 1

## SKETCH SHEET

EXAMINER Edward R. DonovanEXAMINER NAREVIEWER Art TammREVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL IILEVEL NALEVEL IIDATE 4/9/92

DATE \_\_\_\_\_

DATE 44-92DATE NADATE 4-9-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-24

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>BOX RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-325-F</u>
-------------------------------------	---	---------------------------------------

DWG./LOC.: CPL-325 REV.-1 / COMPONENT COOLANT ROOM

[X] VT-3 PROCEDURE: <sup>SP 1097 ERD 4-4-92</sup> ~~NOEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	
MISALIGNMENT		X		
DEBRIS	X			SEE ATTACHED SKETCH FOR LOCATION
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY		X		
RESISTANCE TO MOVEMENT	X			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	SIN <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edward R. Dorman LEVEL: II DATE: 4-4-92

REVIEWER: Art P... LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/9/92

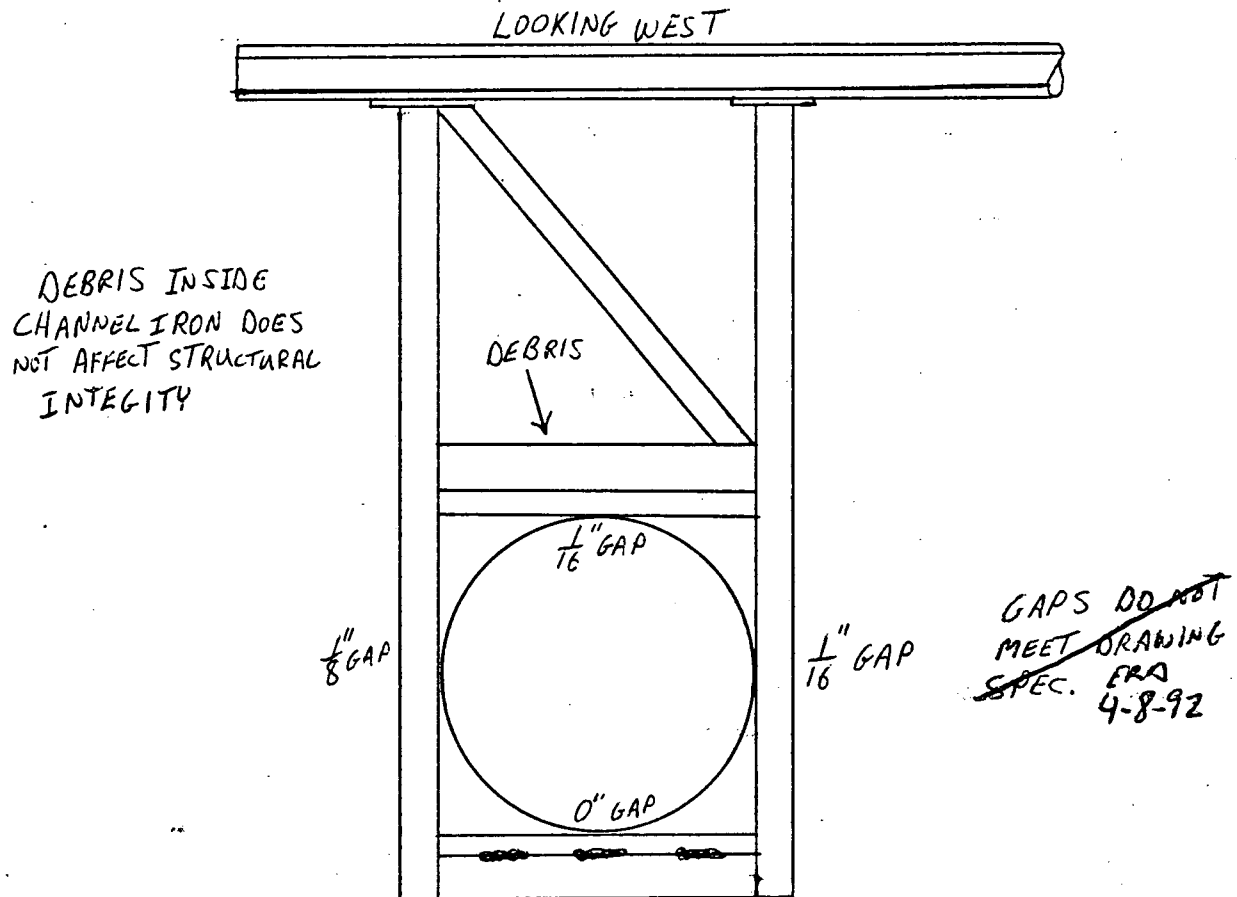
REVIEWERS COMMENTS:

ANII REVIEW: R. Malladanes DATE: 4-9-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-24EXAM ITEM CPL-325-FISO DWG. NO. CPL-325 REV. 1

## SKETCH SHEET



EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER Art P...  
REVIEWER Richard A. Weber  
REVIEWER km

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/9/92  
DATE

DATE 4-4-92  
DATE NA  
DATE 4-6-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-28

WR&A # 01/A

PAGE 1 OF 2

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

COMPONENT

COMPONENT

COMPONENT COOLING

NAME: ROD HANGER

ID NO.: CPL-325-6

DWG./LOC.: CPL-325 Rev. 1

/ COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERD 44.92  
NDEP-613 REV.: 0

☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒

REMOTE ☒

VIDEO RECORDING NO:

☒ N/A

EQUIPMENT USED:

☒ FLASHLIGHT

☒ MIRROR

☐ OTHER

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER

☐ CONSTANT SUPPORT

☐ MECHANICAL SNUBBER

☐ VARIABLE SUPPORT

☒ SUPPORT/HANGER

CONDITION  
Present

YES

NO

N/A

COMMENTS

FASTENING DEVICES

☒

LOOSE nut - SEE ATTACHED SKETCH FOR LOCATION

MISALIGNMENT

☒

DEBRIS

☒

CORROSION/EROSION

☒

STRUCTURAL INTEGRITY

☒

LOOSE nut - SEE ATTACHED SKETCH FOR LOCATION

RESISTANCE TO MOVEMENT

☒

CLEARANCES OF MOVING PARTS

☒

ARC STRIKES/GOUGES

☒

VARIABLE/CONSTANT SUPPORT

ACTUAL: N/A

SNUBBER

ACTUAL: N/A

STROKE: N/A

S/N N/A

COMMENTS: RECORDABLE INDICATIONS

EXAMINER:

Edmund R. Donovan

LEVEL: II

DATE: 4-4-92

REVIEWER:

Art Purnan

LEVEL: II

DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY

☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW:

R. Valladane

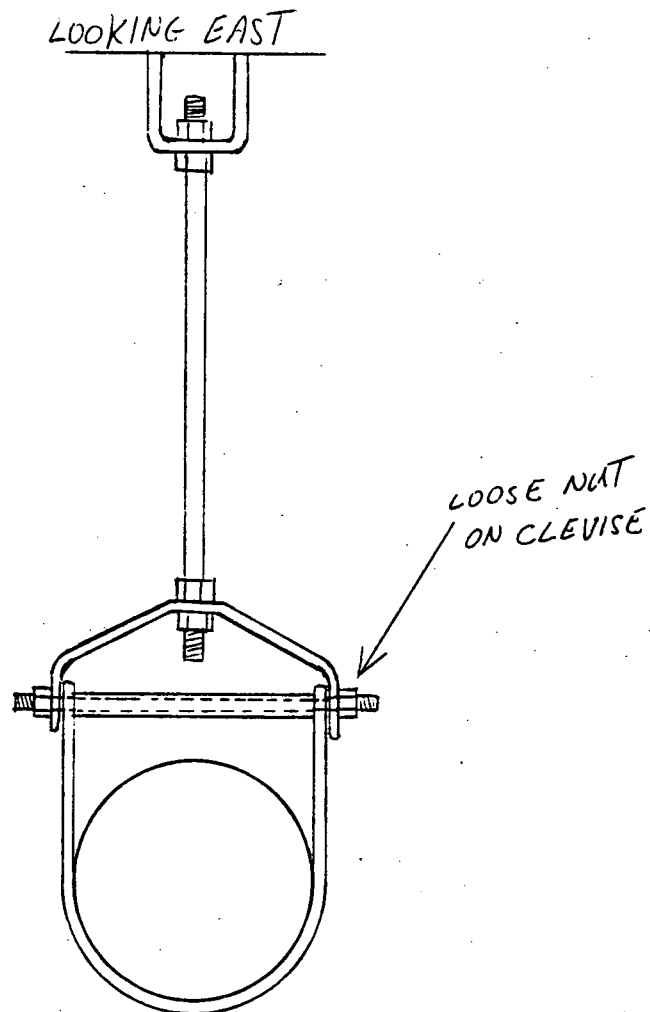
DATE: 4-15-92



# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-28  
EXAM ITEM CPL-325-6  
ISO DWG. NO. CPL-325 REV. 1

## SKETCH SHEET



EXAMINER Edward R. Donovan  
EXAMINER NA  
REVIEWER Art Pinner  
REVIEWER Richard B. Weber  
REVIEWER am

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/14/92  
DATE \_\_\_\_\_

DATE 4-4-92  
DATE NA  
DATE 4-6-92

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-260

WR&A # NA

PAGE 1 OF 1

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: COMPONENT COOLANT	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-325-G</u>
------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL 325 REV.-1 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 5-6-92  
#DEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>NA</u>			
SNUBBER	ACTUAL: <u>NA</u>		STROKE: <u>NA</u>	S/N <u>NA</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM AFTER REPAIR

WR/JO 92-AEXLI

EXAMINER: Edmund R. Davon LEVEL: II DATE: 5-6-92

REVIEWER: Art R... LEVEL: II DATE: 5-7-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/8/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares

DATE: 5-13-92

**CP&L**  
 Carrying Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-21

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLING</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-325-H</u>
-------------------------------------	--------------------------------------	---------------------------------------

DWG./LOC.: CPL 325 Rev.1 / Component Coolant Room

☒ VT-3 PROCEDURE: SP1097 ERO 4-4-92 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund L Donovan LEVEL: II DATE: 4-4-92

REVIEWER: Art P... LEVEL: II DATE: 4-10-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Welby 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: R Valladanes DATE: 4.15.92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-25

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT COMPONENT NAME: BOX RESTRAINT COMPONENT ID NO.: CPL-325-I

DWG./LOC.: CPL-325 REV-1 / COMPONENT COOLANT ROOM

[X] VT-3 PROCEDURE: SP 1097 ERD 44-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR TYPE OF COMPONENT SUPPORT:  
[X] OTHER 6" SCALE [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<u>X</u>	
MISALIGNMENT		<u>X</u>		
DEBRIS	<u>X</u>			<u>SEE ATTACHED SKETCH FOR LOCATION</u>
CORROSION/EROSION		<u>X</u>		
STRUCTURAL INTEGRITY		<u>X</u>		
RESISTANCE TO MOVEMENT	<u>X</u>			<u>SEE ATTACHED SKETCH FOR GAPS</u>
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORD ABLE INDICATIONS

EXAMINER: Edmund R Down LEVEL: II DATE: 4-4-92

REVIEWER: Art Purnan LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard S. Weber 4/9/92

REVIEWERS COMMENTS:

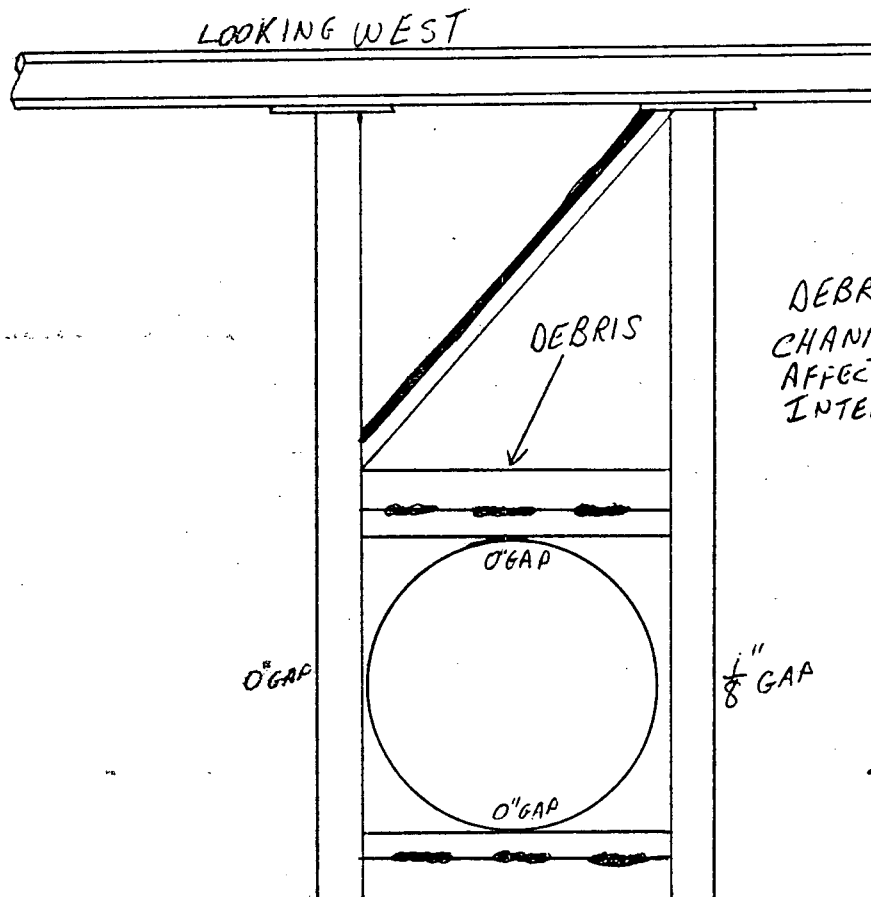
ANII REVIEW: PP Valladares

DATE: 4-9-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-25EXAM ITEM CPL-325-IISO DWG. NO. CPL 325 REV. 1

## SKETCH SHEET



DEBRIS INSIDE  
CHANNEL IRON DOES NOT  
AFFECT STRUCTURAL  
INTEGRITY

0" GAP

0" GAP

0" GAP

 $\frac{1}{8}$ " GAP

GAPS DO NOT  
MEET DRAWING  
SPEC.

ERD 4-8-92

EXAMINER

Charles L. Donovan

LEVEL

II

DATE

4-4-92

EXAMINER

NA

LEVEL

NA

DATE

NA

REVIEWER

Carl P. P. P.

LEVEL

II

DATE

4-6-92

REVIEWER

Richard B. Weber

DATE

4/9/92

REVIEWER

DATE

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-20

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

COMPONENT

COMPONENT

COMPONENT COOLANT

NAME: ROD HANGER

ID NO.: CPL-325-J

DWG./LOC.: CPL-325 Rev. 1 / COMPONENT COOLING ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4-4-92 ~~HBEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED:

☒ FLASHLIGHT ☒ MIRROR

☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT

☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT

☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edward R. Donovan

LEVEL: II

DATE: 4-4-92

REVIEWER: Art Pinner

LEVEL: II

DATE: 4-10-92

COMPONENT CONDITION: ☐ SATISFACTORY

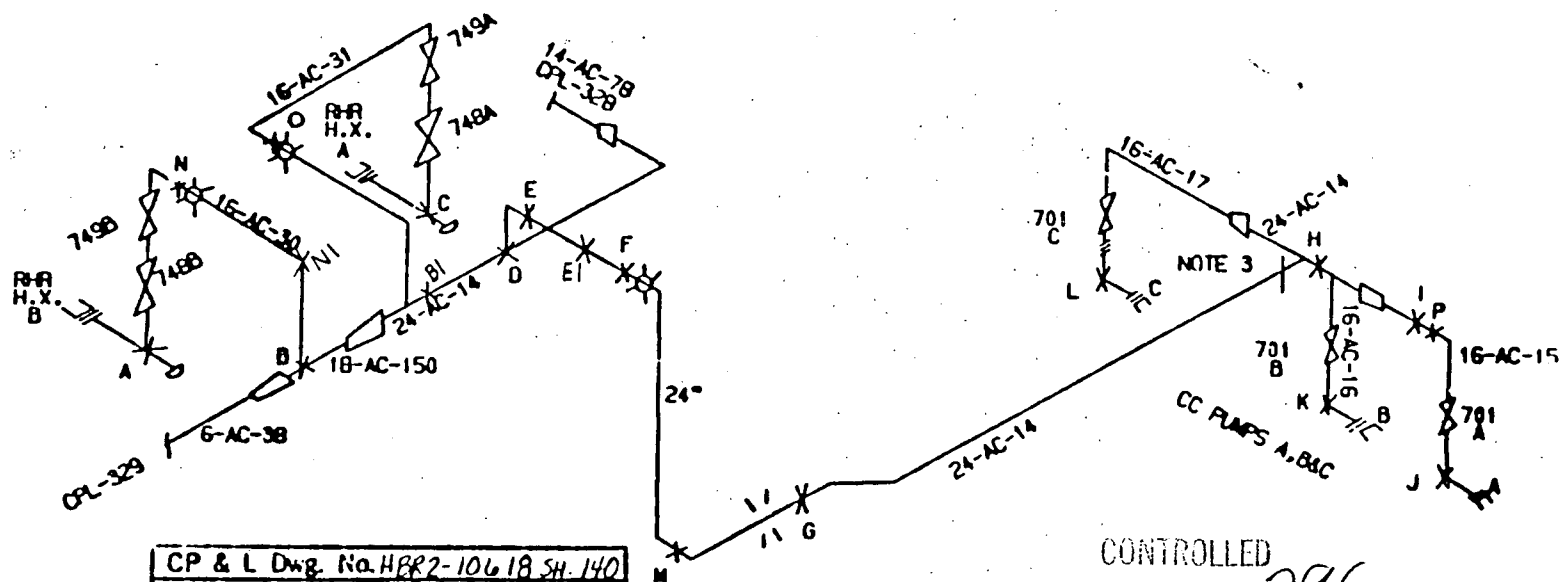
☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Wallacke

DATE: 7.15.92



CP & L Dwg. No. HPR2-10618 SH. 140					
CP & L P.O. No. CPL51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	CPH	CLD	CLD	12/13/89
1	RBW	HELL	JLW	CLD	2-11-91

D/R 11-170

CONTROLLED  
RCPT ID 296

CPL-326 REV.1

H. B. ROBINSON S. E. PLANT
UNIT NO. 2
DESCRIPTION: COMPONENT COOLANT SYSTEMS

CPL &

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-YSB

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-326-B</u>
-------------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL 326 REV-1 / W.H.U.T. ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4-15-92 ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<u>SEE PAGE 2 EXTRA BOLT ON BASE PLATE</u>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS  
SEE PAGE 2 FOR ADDITIONAL INFORMATION

EXAMINER: Richard R. Donovan LEVEL: II DATE: 4-15-92

REVIEWER: Art Pinner LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/17/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 4-20-92

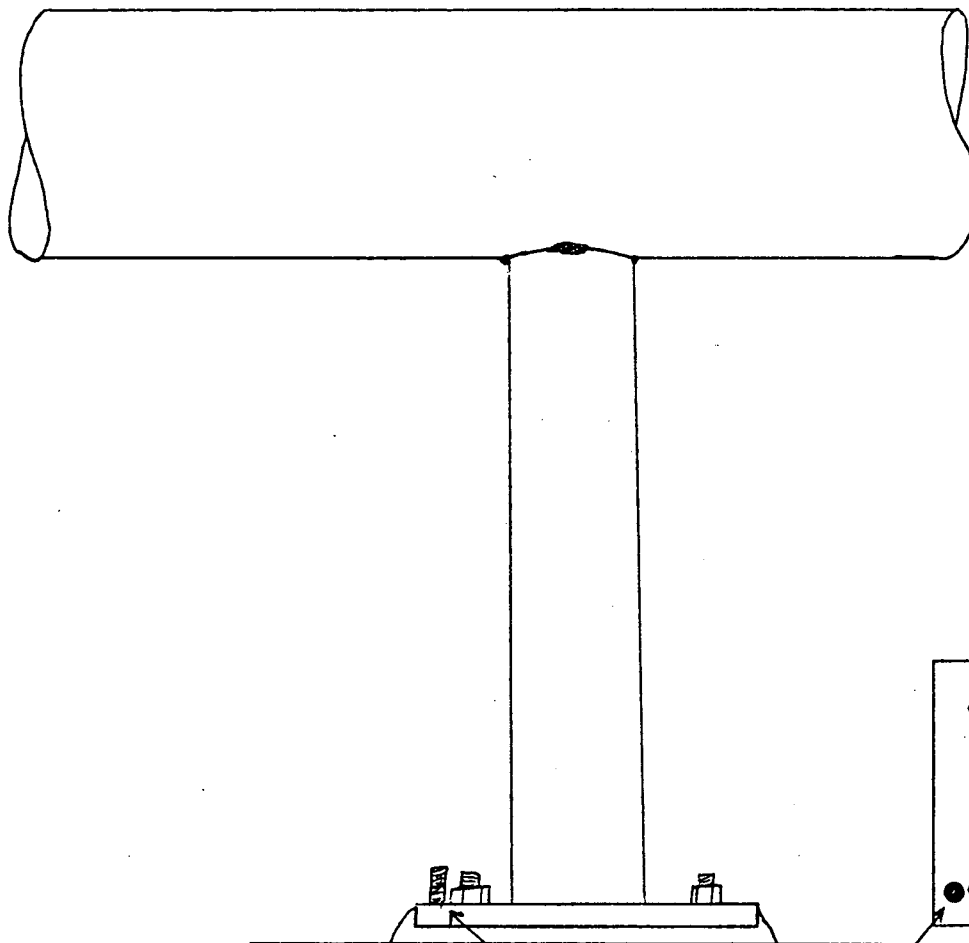


# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-750EXAM ITEM CPL-326-BISO DWG. NO. CPL 326 REV. 1

## SKETCH SHEET

VIEW LOOKING NORTH

EXTRA STUD IN BASE PLATE NO NUT  
ON ITEXAMINER Chuck DonovanLEVEL IIDATE 4-15-92EXAMINER N/ALEVEL N/ADATE N/AREVIEWER Art PearsonLEVEL IIDATE 4-16-92REVIEWER Richard B. WeberDATE 4/17/92

REVIEWER \_\_\_\_\_

DATE \_\_\_\_\_

**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-151

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT COMPONENT NAME: SUPPORT ATTACHMENT INTEGRAL COMPONENT ID NO.: CPL-326-WS-B

DWG./LOC.: CPL 326 REV-1 / W.H.U.T. ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4-15-92 ~~NDP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☒ OTHER 6" SCALE  
TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATION

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-15-92

REVIEWER: Art Pinner LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/17/92

REVIEWERS COMMENTS:

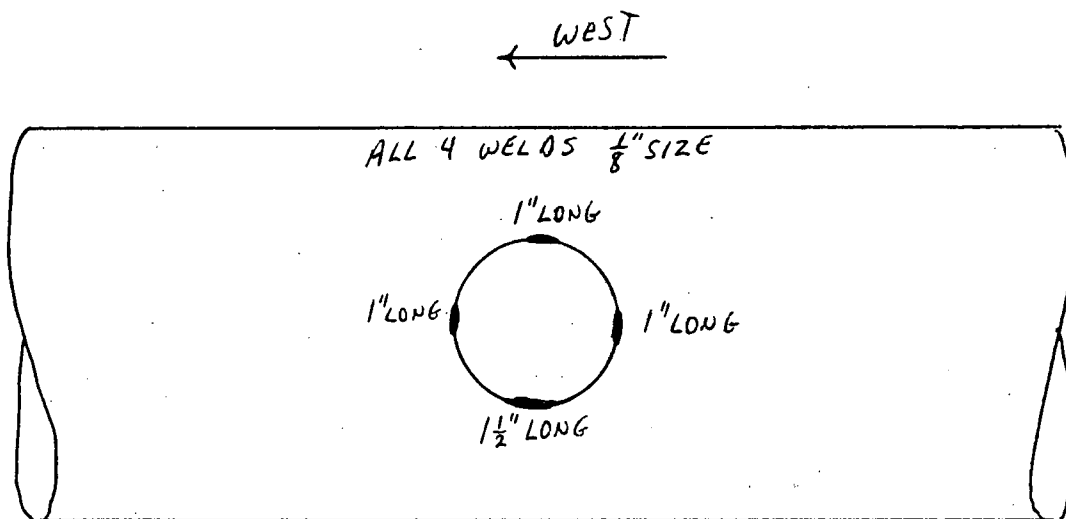
ANII REVIEW: R. Valladanes DATE: 4-20-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-157  
EXAM ITEM CPL-326-WS-B  
ISO DWG. NO. CPL 326 REV. 1

## SKETCH SHEET

VIEW LOOKING UP



INTEGRAL ATTACHMENT WELD  
DOES NOT GO ALL THE WAY AROUND STANTION  
CORROSION ON PIPE, ATTACHMENT WELDS AND STANTION  
LESS THAN 5% WALL LOSS

EXAMINER Edmund L. Darrow  
EXAMINER W  
REVIEWER Art P...  
REVIEWER Richard B. Weber  
REVIEWER ...

LEVEL II  
LEVEL W  
LEVEL II  
DATE 4/17/92  
DATE ...

DATE 4-15-92  
DATE W  
DATE 4-16-92

62

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-152 <sup>254</sup> <sub>3/57</sub>

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ 1 ] ☒ 2 [ ] PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-326-B1</u>
-------------------------------------	-----------------------------------	--

DWG./LOC.: CPL-326 REV.-1 / W.H.U.T. ROOM

☒ VT-3 PROCEDURE: SP-1097 ERO 4-15-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR [ ] OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edmund R. Dawson LEVEL: II DATE: 4-15-92

REVIEWER: Art P... LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Valladares DATE: 4-29-92

# 1125

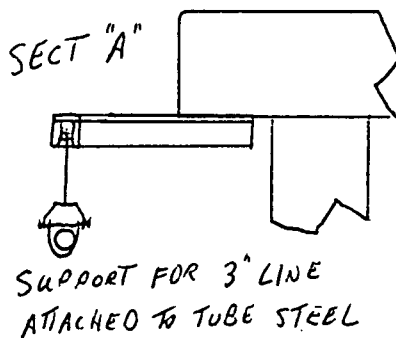
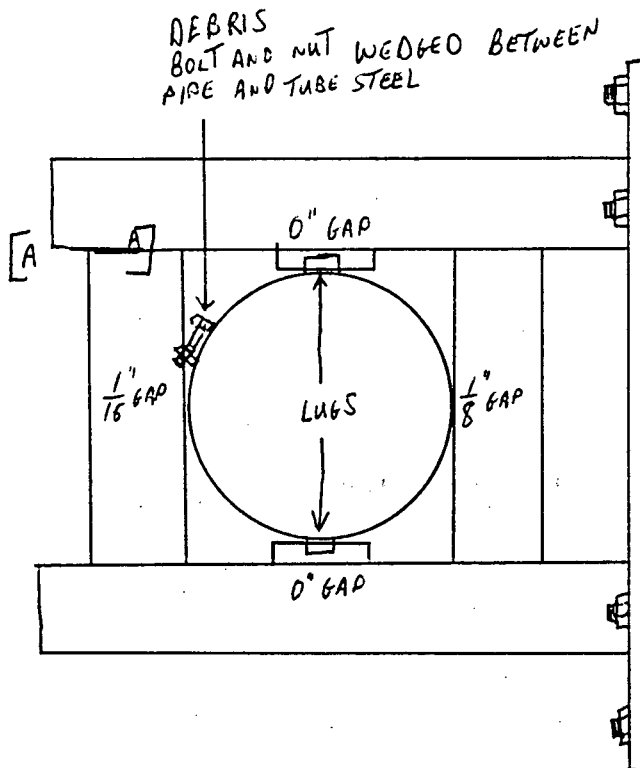
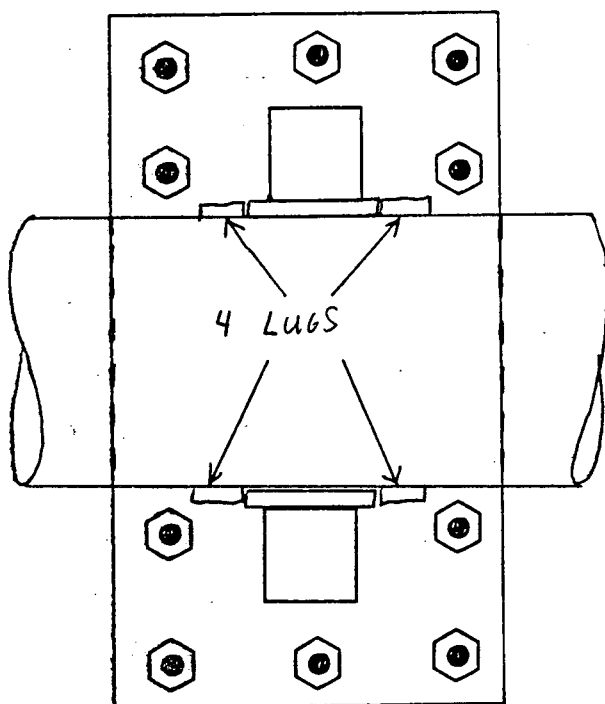
PAGE 2 OF 2

DATA SHEET NO. 1097-152 254 025/82

EXAM ITEM CPL-326-B1

ISO DWG. NO. CPL 326 REV. 1

## SKETCH SHEET



EXAMINER Edward R. Dawson  
 EXAMINER NA  
 REVIEWER Art P...  
 REVIEWER Richard B. Weber  
 REVIEWER \_\_\_\_\_

LEVEL II  
 LEVEL NA  
 LEVEL II  
 DATE 4/28/92  
 DATE \_\_\_\_\_

DATE 4-15-92  
 DATE NA  
 DATE 4-16-92

# CP&L

Cable Power & Light Company  
VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1091-269

WR&A # N/A

PAGE 1 OF 2

PLANT: NB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-326-B1</u>
-------------------------------------	-----------------------------------	--

DWG./LOC.: CPL-326 REV.-1 / W.H.U.T. ROOM

☒ VT-3 PROCEDURE: SP 1092 ERO 5-6-92 ~~NOEP-613~~ REV.: 0      ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	<div style="font-size: 2em; transform: rotate(45deg); display: inline-block;">N A</div>
MISALIGNMENT			<input checked="" type="checkbox"/>	
DEBRIS			<input checked="" type="checkbox"/>	
CORROSION/EROSION			<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: ERO AND RECORDABLE INDICATIONS  
5-7-92 RE EXAM AFTER REPAIR FOR LUG GAPS FOR NED  
ERO 5-7-92

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 5-6-92

REVIEWER: Art P... LEVEL: II DATE: 5-8-92

COMPONENT CONDITION: ☐ SATISFACTORY      ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/11/92

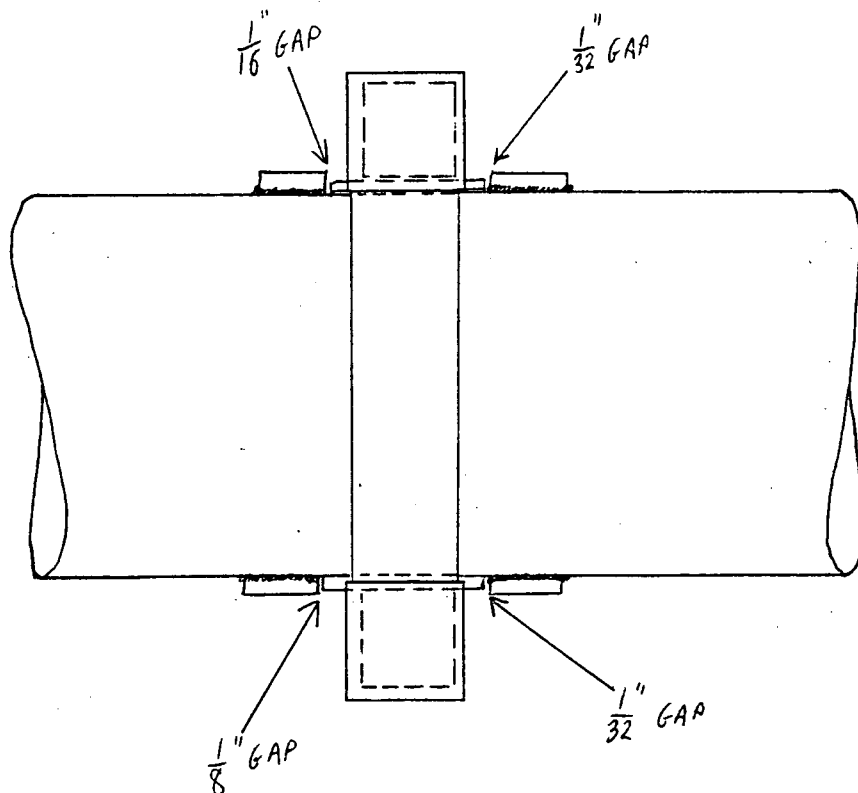
REVIEWERS COMMENTS:

ANII REVIEW: AP Valladanes DATE: 5-13-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-LG  
EXAM ITEM CPL-326-B1  
ISO DWG. NO. CPL 326 REV. 0

## SKETCH SHEET



EXAMINER	<u>Edmund R. Donawa</u>	LEVEL	<u>II</u>	DATE	<u>5-6-92</u>
EXAMINER	<u>NA</u>	LEVEL	<u>NA</u>	DATE	<u>NA</u>
REVIEWER	<u>Art Ruman</u>	LEVEL	<u>II</u>	DATE	<u>5-8-92</u>
REVIEWER	<u>Richard B. Weber</u>	DATE	<u>5/11/92</u>		
REVIEWER		DATE			



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-03

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLING</u>	COMPONENT NAME: <u>SUPPORT LUGS</u>	COMPONENT ID NO.: <u>CPL-326-WS-B1</u>
-------------------------------------	--	---

DWG./LOC.: CPL-326 REV.-1 / W.H.U.T. ROOM

<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 ERO 4159L</u> <u>NDEP-613 REV.: 0</u>	<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>
---	---

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
---	---

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	N A
MISALIGNMENT		X		
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY		X		
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORD ABLE INDICATIONS  
SEE ATTACHED SKETCH FOR LOCATION OF LUGS

EXAMINER: <u>Edmund K. Downer</u>	LEVEL: <u>II</u>	DATE: <u>4-15-92</u>
-----------------------------------	------------------	----------------------

REVIEWER: <u>Cliff Purnum</u>	LEVEL: <u>II</u>	DATE: <u>4-16-92</u>
-------------------------------	------------------	----------------------

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Quirland B. Weber 4/17/92

REVIEWERS COMMENTS:

ANII REVIEW: <u>AP Valladanes</u>	DATE: <u>4-20-92</u>
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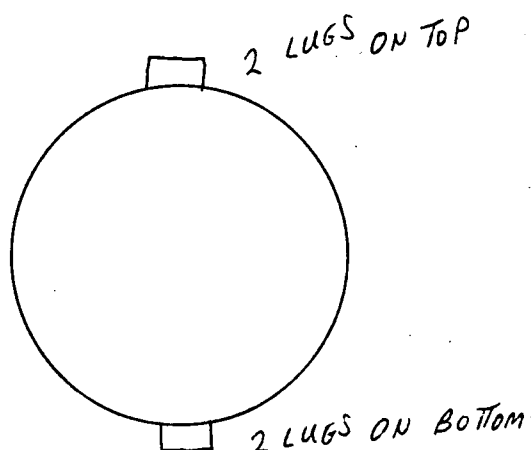
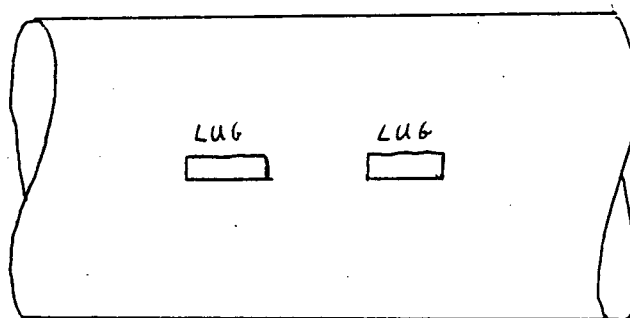


# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-153EXAM ITEM CPL-326-WS-B1ISO DWG. NO. CPL 326 REV. 1

## SKETCH SHEET

TOP VIEW



EXAMINER Edward R. Dancer  
EXAMINER NA  
REVIEWER Art Pinner  
REVIEWER Richard B. Welch  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/12/92  
DATE \_\_\_\_\_

DATE 4-15-92  
DATE NA  
DATE 4-16-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-129

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>CC</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 326-C</u>
-------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL 326 REV 1 / RHR HEAT EXCHANGER ROOM

[X] VT-3 PROCEDURE: SP 1097 Rev-12-92 ~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT  N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT  N/A
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	N/A
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art. P... LEVEL: II DATE: 4-11-92

REVIEWER: Chf Moss MD LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

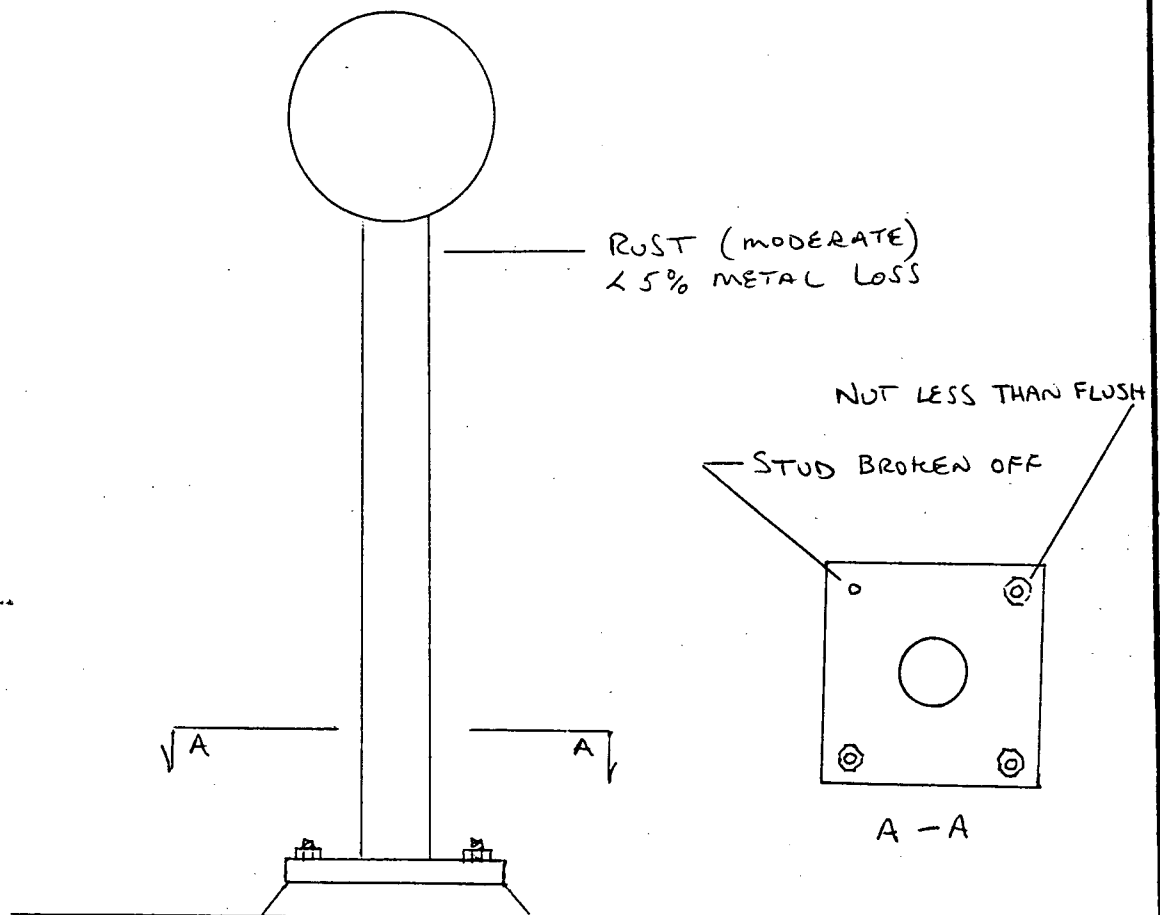
ANII REVIEW: R. Valladares

DATE: 4-17-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-129EXAM ITEM CPL 326 - CISO DWG. NO. CPL 326 REV. 0

## SKETCH SHEET

EXAMINER Art. PurnanEXAMINER Cliff Moss CWREVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

REVIEWER \_\_\_\_\_

LEVEL IILEVEL IILEVEL 4/14/92 N/A

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 4-11-92DATE 4-14-92DATE 4/14/92Reviewed  
CW  
4-14-92



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-130

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>CC</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 326 - C - WS</u>
----------------------	-----------------------------------	--

DWG./LOC.: CPL 326 REV 1 / RHR HEAT EXCHANGER ROOM

[X] VT-3 PROCEDURE: SP1097 <sup>APR 4-92</sup> NDEP 613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☐ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	
MISALIGNMENT		✓		N/A
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	N/A
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

EXAMINER: Cat P... LEVEL: II DATE: 4-11-92

REVIEWER: Chf Moss CP LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

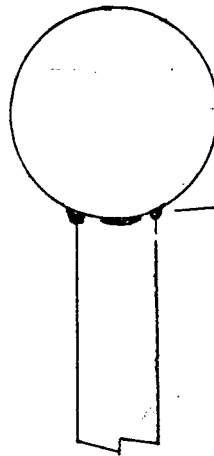
REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4-17-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097730EXAM ITEM CPL 326-C-WSISO DWG. NO. CPL 326 REV. 0

## SKETCH SHEET



MODERATE RUST ON WELDS  
< 5 % METAL LOSS

EXAMINER Cert PurnanLEVEL IIDATE 4-11-92EXAMINER N/ALEVEL N/ADATE N/AREVIEWER Chiff MossLEVEL IIDATE 4-14-92REVIEWER Richard B. WeberDATE 4/14/92

REVIEWER \_\_\_\_\_

DATE \_\_\_\_\_





Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-159 <sup>255</sup> *Don* 4/7/92

WR&A # *N/A*

PAGE 1 OF 2 <sup>ERO</sup> 4-16-92

PLANT: *HB ROBINSON* UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: *COMPONENT COOLANT* COMPONENT NAME: *SUPPORT* COMPONENT ID NO.: *CPL-326-D*

DWG./LOC.: *CPL-326 REV-1 / W.H.U.T. ROOM*

[X] VT-3 PROCEDURE: *SP 1097 ERO 4-15-92* ~~NOEP-613~~ REV.: *0* [ ] VT-4 PROCEDURE: *614 REV.:*

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] *N/A*

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		X		<i>N</i> <i>A</i>
MISALIGNMENT		X		
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY		X		
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <i>N/A</i>			
SNUBBER	ACTUAL: <i>N/A</i> STROKE: <i>N/A</i> S/N <i>N/A</i>			

COMMENTS: *NO RECORD ABLE INDICATIONS*

EXAMINER: *Chuck Darrow* LEVEL: *II* DATE: *4-15-92*

REVIEWER: *Art Purnan* LEVEL: *II* DATE: *4-16-92*

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: *Richard B. Weber* 4/17/92

REVIEWERS COMMENTS:

ANII REVIEW: *RP Valladares* DATE: *4-20-92*

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-195 <sup>256</sup> <sub>57</sub>

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: COMPONENT COOLANT COMPONENT <sup>INTEGRAL</sup> NAME: SUPPORT ATTACHMENT COMPONENT ID NO.: CPL-326-WS-D

DWG./LOC.: CPL-326 REV.-1 / WH U.T. ROOM

☒ VT-3 PROCEDURE: SP 1097 EDO 4-15-92 ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☒ OTHER 6" SCALE  
TYPE OF COMPONENT SUPPORT:  
☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N: <u>N/A</u>			

COMMENTS: RECORDABLE INDICATION

EXAMINER: Edmund R Donovon LEVEL: II DATE: 4-15-92

REVIEWER: Cert Purnum LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/17/92

REVIEWERS COMMENTS:

ANII REVIEW: R Valladares DATE: 4-20-92

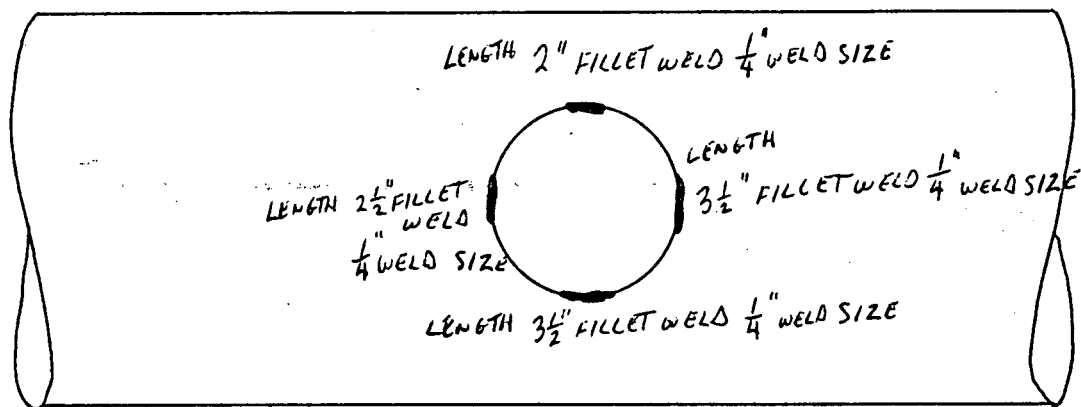
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PAGE 2 OF 2DATA SHEET NO. 1097-153-256 (2) 9/92EXAM ITEM CPL-326-WS-0ISO DWG. NO. CPL 326 REV. 1

## SKETCH SHEET

VIEW LOOKING UP

← WEST



INTEGRAL ATTACHMENT WELD  
DOES NOT GO ALL THE WAY AROUND STANTION  
SUPPORT  
CORROSION ERO 44692  
CORROSION ON PIPE ATTACHMENT WELD AND  
STANTION LESS THAN 5% WALL LOSS

EXAMINER Edmund J. Donovan  
EXAMINER NA  
REVIEWER Keith R. Penner  
REVIEWER Richard B. Weber  
REVIEWER NA

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/17/92  
DATE \_\_\_\_\_

DATE 4-15-92  
DATE NA  
DATE 4-16-92



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-21

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 11 ☒ 12 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-326-H</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-326 REV-1 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP1097 ERO 5-9-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/> EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;">N A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT		<input checked="" type="checkbox"/>		
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS WR50 92-AFS61  
RE-EXAM AFTER REPAIR PIPE WAS INSULATED

EXAMINER: <u>Edmund R. Danner</u>	LEVEL: <u>II</u>	DATE: <u>5-9-92</u>
REVIEWER: <u>W. P. Pinner</u>	LEVEL: <u>II</u>	DATE: <u>5-15-92</u>

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/18/92

REVIEWERS COMMENTS:

ANII REVIEW: R. P. Villalobos DATE: 5-18-92

# CP&L

Cavities Power & Light Company  
VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-282

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-326-I</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-326 REV-1 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP1097 ERO 5-92 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;">N A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM AFTER REPAIR

INR/JO 92-AFSH1

EXAMINER: Edmund R. Darden LEVEL: II DATE: 5-9-92

REVIEWER: Art Purnaman LEVEL: II DATE: 5-15-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/18/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Valladares

DATE: 5-18-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097731

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>CC</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 326-0</u>
-------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL 326 REV 1 / RHR HEAT EXCHANGER RM

[X] VT-3 PROCEDURE: SP1097 RP412-92 ~~NOEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [X] OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		N/A
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY	✓			SEE ATTACHMENT
RESISTANCE TO MOVEMENT	✓			SEE ATTACHMENT
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		N/A
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: THE OTHER HALF OF THIS SUPPORT IS IN THE WHUT ROOM,  
RECORDABLE INDICATIONS

EXAMINER: Art P... LEVEL: II DATE: 4-11-92

REVIEWER: Chf Moss dm LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

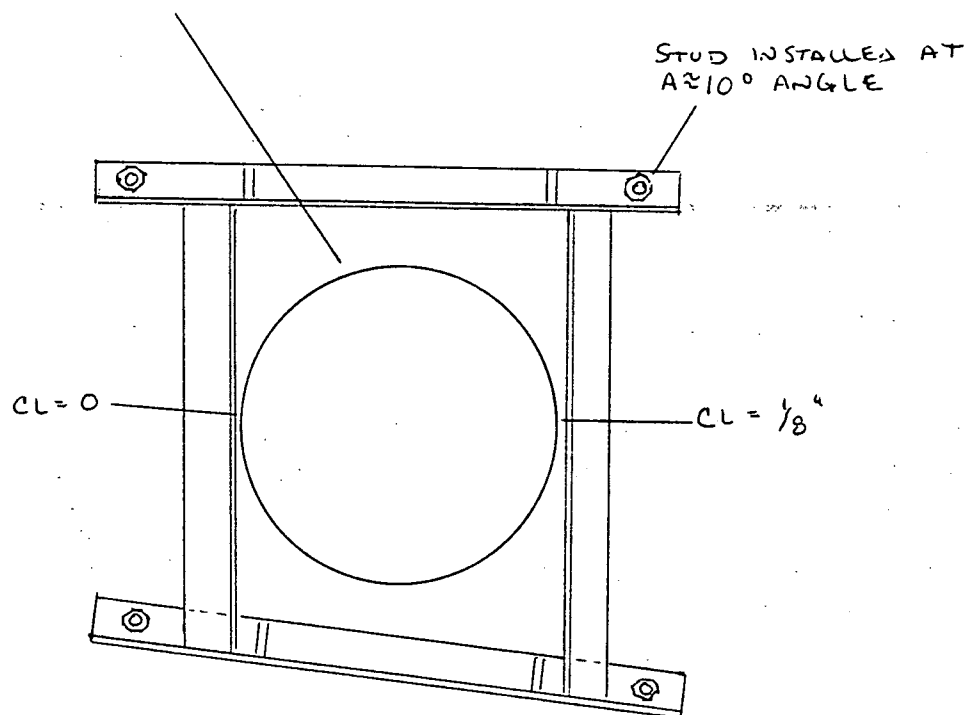
ANII REVIEW: CP Valladares DATE: 4-17-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-131EXAM ITEM CPL 326 - 0ISO DWG. NO. CPL 326 REV. 1

## SKETCH SHEET

A LOOSE PIPE CLAMP IS AROUND PIPE  
NEXT TO SUPPORT. IT IS CONNECTED AT  
THE TOP BUT OPEN AT THE BOTTOM.



NOTE: THIS SUPPORT IS CONTINUED IN THE WHUT ROOM.

EXAMINER Cert. PersonLEVEL IIDATE 4-11-92EXAMINER N/ALEVEL N/ADATE N/AREVIEWER Cliff MossLEVEL IIDATE 4-14-92REVIEWER Richard B. WeberDATE 4/14/92REVIEWER DATE

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-136

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-326-0</u>
-------------------------------------	-----------------------------------	------------------------------------

DWG./LOC.: CPL-326 REV.-1 / W.H.U.T. ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4-15-92 ~~NOEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT		<input checked="" type="checkbox"/>		
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT		ACTUAL: <u>N/A</u>		
SNUBBER		ACTUAL: <u>N/A</u>	STROKE: <u>N/A</u>	SIN <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS. EXAMINED ONLY THE WASTE HOLDUP TANK ROOM SIDE OF SUPPORT CPL-326-0 SEE VT DATASHEET #1097131 FOR RHR HX. ROOM SIDE OF EXAM

EXAMINER: Shawn R. Dawson LEVEL: II DATE: 4-15-92

REVIEWER: Art Purnan LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/17/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 4-20-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-281

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 ☒ 12 ☐ PSI ☒ ISI

SYSTEM: COMPONENT COOLANT COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-326-0

DWG./LOC.: CPL-326 REV.-1 / RHR NX ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 5-16-92 NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☐ MIRROR ☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	N A
MISALIGNMENT			<input checked="" type="checkbox"/>	
DEBRIS			<input checked="" type="checkbox"/>	
CORROSION/EROSION			<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: PIPE CLAMP HAS BEEN REMOVED

RE EXAM AFTER REPAIR

WR/JO 92-AE7B1

EXAMINER: Edmund R. Dawson LEVEL: II DATE: 5-15-92

REVIEWER: Art Pinner LEVEL: II DATE: 5-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/18/92

REVIEWERS COMMENTS:

ANII REVIEW: B. Palladare

DATE: 5-18-92



# CP&L

Carolina Power & Light Company  
VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-61

WR&A # N/A

PAGE 1 OF 2

PLANT: NB ROBINSON UNIT 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: COMPONENT COOLING COMPONENT NAME: STATION SUPPORT COMPONENT ID NO.: CPL-327-A

DWG./LOC.: CPL-327 REV-0 / SFP HX ROOM

☒ VT-3 PROCEDURE: SP-1097 ERO 4-7-92 ~~NOEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☐ OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT:  
☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	N A
MISALIGNMENT		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DEBRIS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION/EROSION		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

SEE ATTACHED SKETCH FOR BASE PLATE CONFIGURATION  
PLATE ERO 4-9-92

EXAMINER: Edmund R. Dorman LEVEL: II DATE: 4-7-92

REVIEWER: A. P. Purnell AP LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: R. P. Villalobos

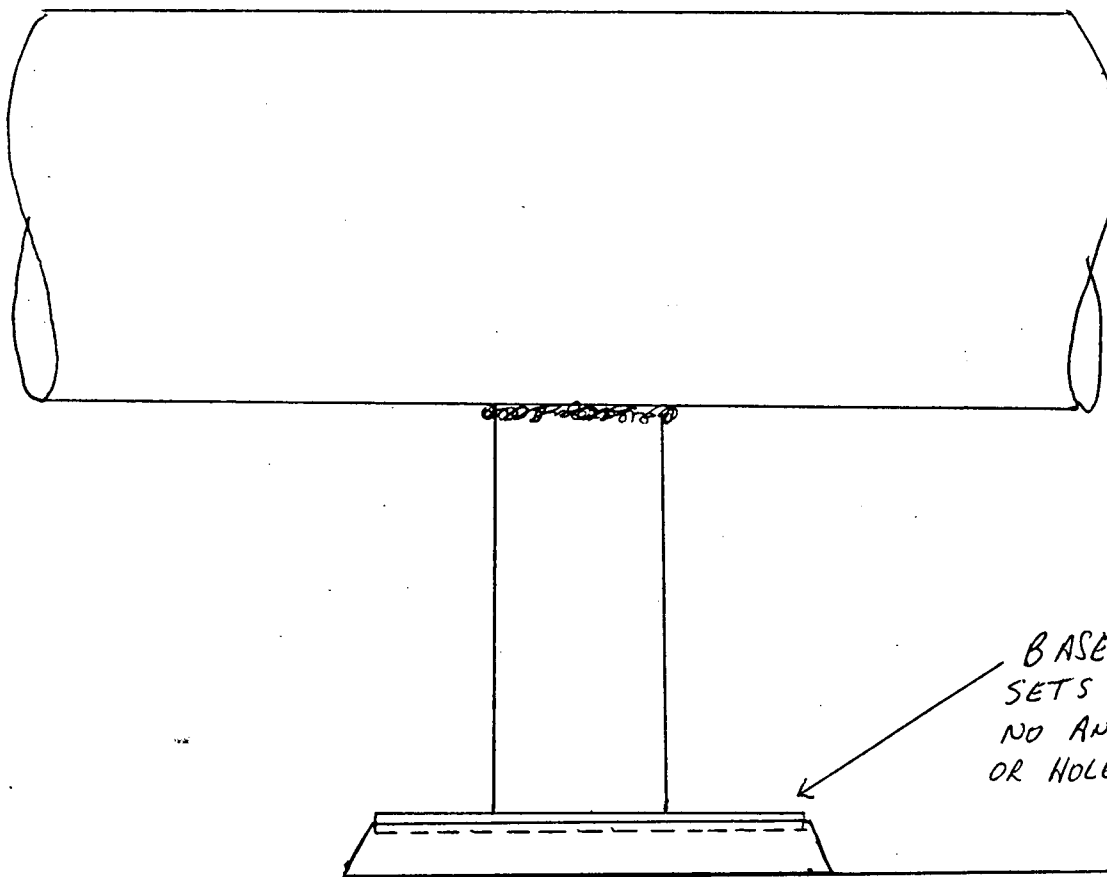
DATE: 4-10-92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-61EXAM ITEM CPL-327-AISO DWG. NO. CPL 327 REV. 0

## SKETCH SHEET



BASE PLATE  $\frac{3}{8}$ "  
SETS IN GROUT  
NO ANCHOR BOLTS  
OR HOLES FOR BOLTS

EXAMINER Edmund R. DawsonLEVEL IIDATE 4-7-92EXAMINER NALEVEL NADATE NAREVIEWER Edmund R. DawsonLEVEL IIDATE 4-9-92REVIEWER Richard S. WeberDATE 4/10/92

REVIEWER \_\_\_\_\_

DATE \_\_\_\_\_

**CP&L**  
Carolina Power & Light Company  
VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-62

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLING</u>	COMPONENT <u>INTEGRAL WELD</u> NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-327-WS-A</u>
-------------------------------------	--	--

DWG./LOC.: CPL-327 REV-0 / SFP HX ROOM

SP 1097 ERO 4-7-92  
[X] VT-3 PROCEDURE: NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORD ABCE INDICATIONS

EXAMINER: <u>Edward R. Donovan</u>	LEVEL: <u>II</u>	DATE: <u>4-7-92</u>
REVIEWER: <u>Q. J. Puma</u> <u>QJP</u>	LEVEL: <u>II</u>	DATE: <u>4-9-92</u>

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

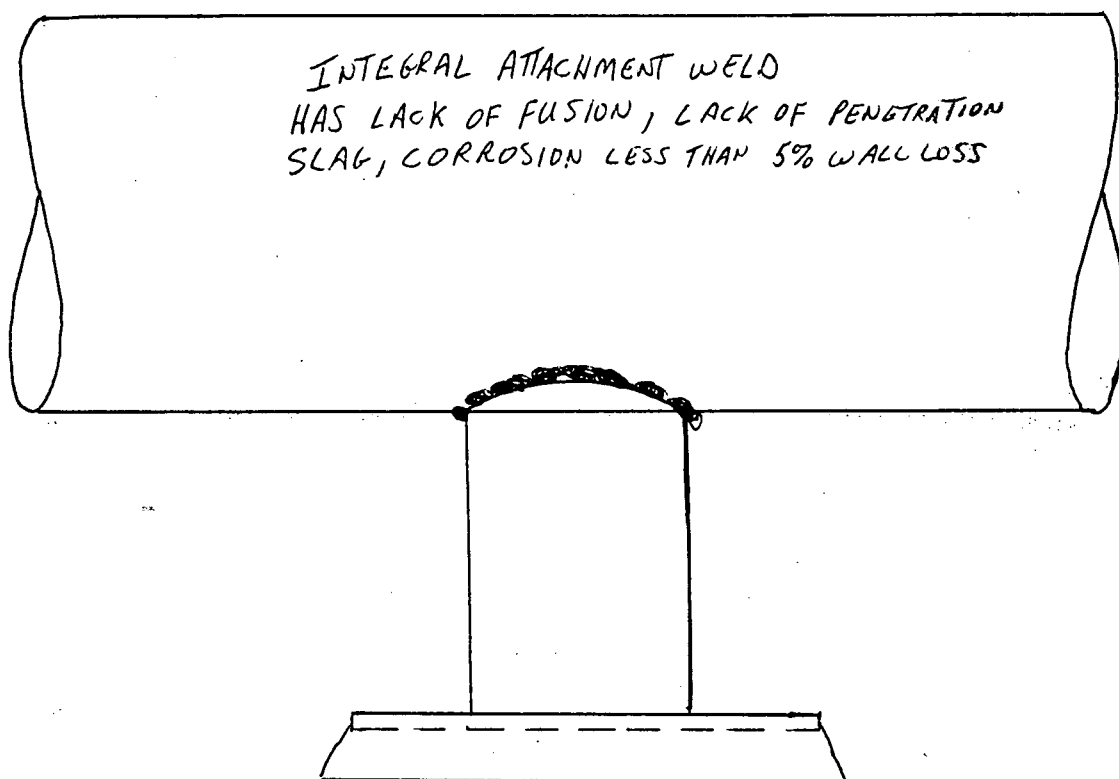
REVIEWERS COMMENTS:

ANII REVIEW: C. P. Valladares DATE: 4-10-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-62  
EXAM ITEM CPL-327-WS-A  
ISO DWG. NO. CPL 327 REV. 0

## SKETCH SHEET



EXAMINER Edmund L. Donovan  
EXAMINER NA  
REVIEWER W. J. Puma  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-7-92  
DATE NA  
DATE 4-8-92

AW

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-143

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI @ 4-13-92  
 SYSTEM: COMPONENT COOLANT COMPONENT NAME: SUPPORT COMPONENT ID NO.: 327 CPL-237-B

DWG./LOC.: CPL-237 Rev 0 <sup>327 4/14/92</sup> PIPE ALLEY

☒ VT-3 PROCEDURE: SP-1097 (en) 4-13-92 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR TYPE OF COMPONENT SUPPORT:  
☐ OTHER ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS	<input checked="" type="checkbox"/>			Light debris <sup>@ 4-16-92</sup> <del>on</del> on horizontal surfaces.
CORROSION/EROSION		<input checked="" type="checkbox"/>		N/A
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			See page #2 for details
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	N/A
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A STROKE: N/A S/N N/A			

COMMENTS: RECORDABLE INDICATIONS - see page # 2 for details.

*This hanger is double support - see also CPL-328-AA*

EXAMINER: Cliff Moss @ LEVEL: II DATE: 4-13-92

REVIEWER: Art Pinner @ LEVEL: II DATE: 4-16-92

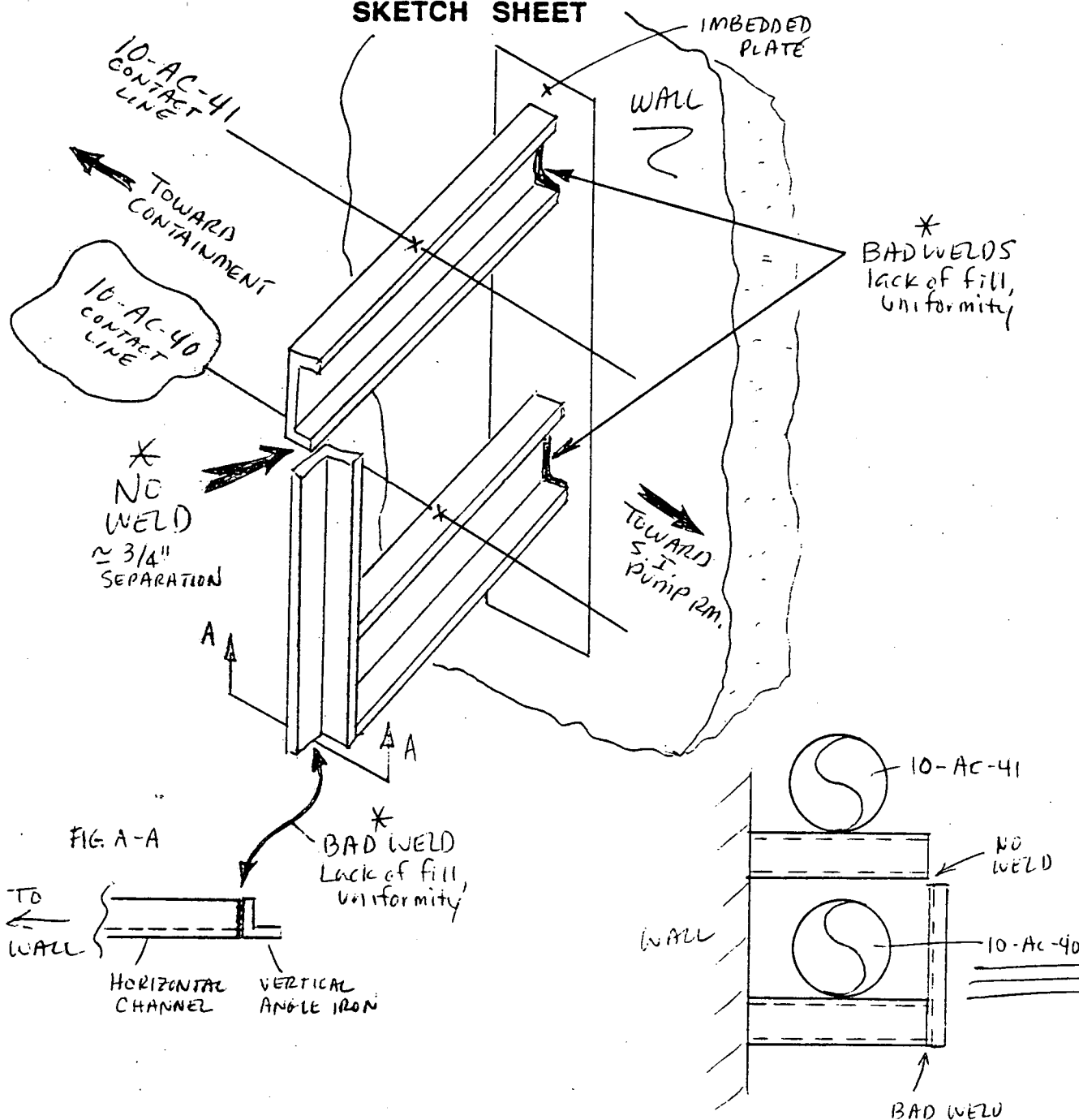
COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4.28.92

## SKETCH SHEET



EXAMINER Chff Moss

EXAMINER N/A

REVIEWER Art P...

REVIEWER Richard Weber

REVIEWER AM

LEVEL II

LEVEL N/A

LEVEL II

DATE 4/28/92

DATE

DATE 4-13-92

DATE N/A

DATE 4-16-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-144

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-327-C</u>
------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL-327, Rev 0 / PIPE ALLEY

☒ VT-3 PROCEDURE: <sup>SP-1097 EN 4-13-92</sup> ~~NOEP-613~~ REV.: 0      ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS	<input checked="" type="checkbox"/>			Light <sup>EN</sup> dust & debris on all horizontal surfaces 4-18-92
CORROSION/EROSION		<input checked="" type="checkbox"/>		N/A
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			See page #2 for details
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	N/A
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS - see page #2 for details.

NOTE: This support is physically tied to CPL-327-R (see pg. #2)

EXAMINER: Chf Moss <sup>EN</sup> LEVEL: II DATE: 4-13-92

REVIEWER: Col Purnell <sup>EN</sup> LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY      ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/24/92

REVIEWERS COMMENTS:

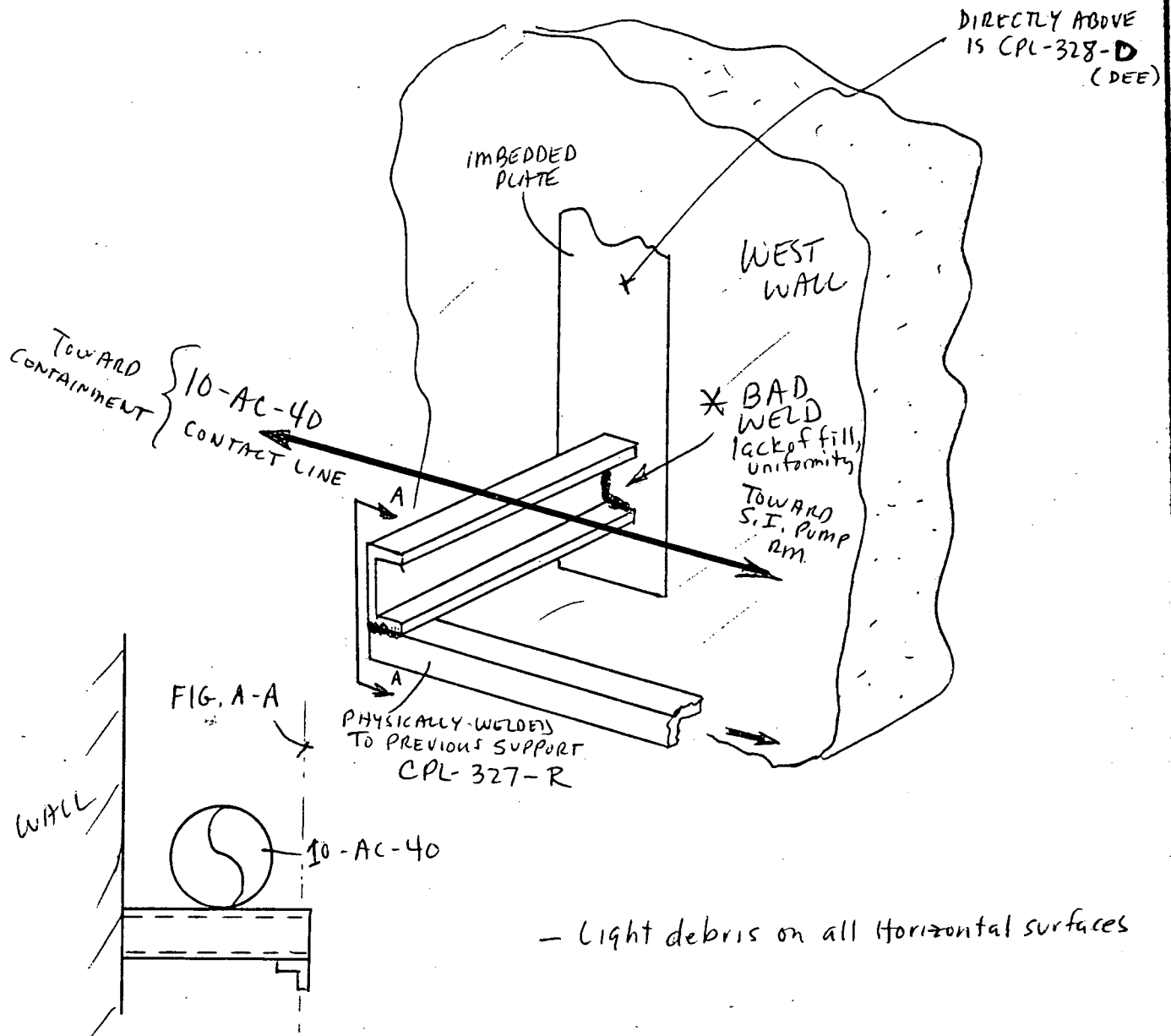
ANII REVIEW: R Malladanes

DATE: 4-27-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097744EXAM ITEM CPL-327-CISO DWG. NO. CPL-327 REV. C

## SKETCH SHEET

EXAMINER Cliff MossEXAMINER N/AREVIEWER Art P...REVIEWER Richard B. WeberREVIEWER amLEVEL IILEVEL N/ALEVEL IIDATE 4/24/92

DATE \_\_\_\_\_

DATE 4-13-92DATE N/ADATE 4-16-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-63

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-327-P</u>
-------------------------------------	--------------------------------------	---------------------------------------

DWG./LOC.: CPL-327 REV-0 / SFP HX ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 4-7-92  
~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edmund R. Doran LEVEL: II DATE: 4-7-92

REVIEWER: Art Pinner AP LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Arthur B. Weber 4/10/92

REVIEWERS COMMENTS:

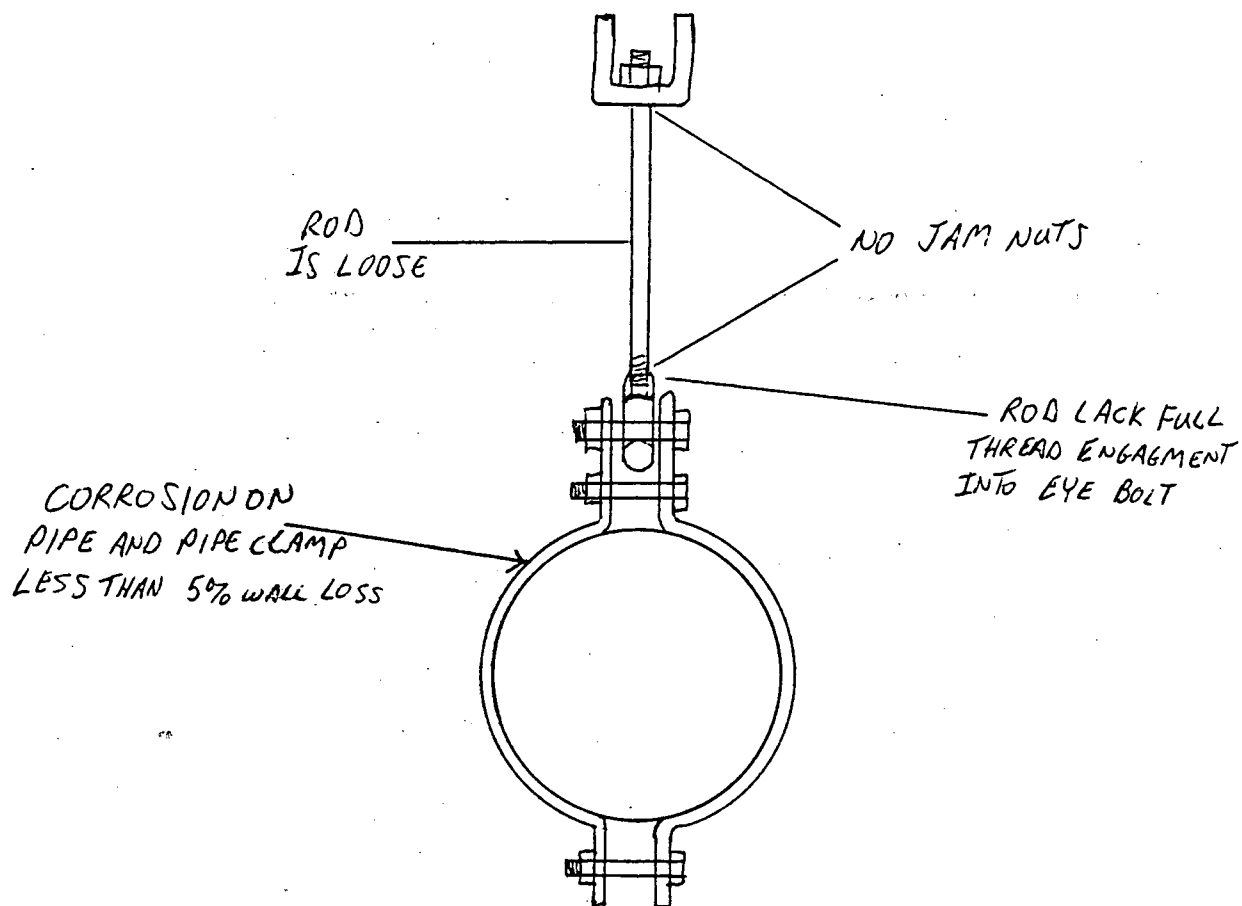
ANII REVIEW: AP Valladares DATE: 4-10-92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-63EXAM ITEM CPL-327-PISO DWG. NO. CPL 327 REV. 0

## SKETCH SHEET

EXAMINER Edmund P. DonovanLEVEL IIDATE 4-7-92EXAMINER NALEVEL NADATE NAREVIEWER Art P. ...LEVEL IIDATE 4-9-92REVIEWER Richard B. ...DATE 4/10/92REVIEWER AW

DATE \_\_\_\_\_

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-262

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 11 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-327-P</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-327 REV-0 / SFP HX ROOM

☒ VT-3 PROCEDURE: SP 1097 ERD 5-7-92  
NOEP-613 REV.:0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT			ACTUAL: <u>N/A</u>	
SNUBBER			ACTUAL: <u>N/A</u>	STROKE: <u>N/A</u> S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM AFTER REPAIR

WR/JO 92-AEMB1

EXAMINER: Edward R. Donovan LEVEL: II DATE: 5-6-92

REVIEWER: Art P... LEVEL: II DATE: 5-7-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/8/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares

DATE: 5-13-92

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097742

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-327-Q</u>
------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL-327, Rev 0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP-1097 @ 4-13-92 ~~NDP-613~~ REV.: 0      ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		Partial exam - see page #2 for details
MISALIGNMENT		<input checked="" type="checkbox"/>		<u>@</u> N/A
DEBRIS	<input checked="" type="checkbox"/>			Light <del>dust</del> debris on horizontal surfaces
CORROSION/EROSION		<input checked="" type="checkbox"/>		<u>4-18-92</u>
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	N/A
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		

VARIABLE/CONSTANT SUPPORT      ACTUAL: N/A

SNUBBER      ACTUAL: N/A      STROKE: N/A      S/N N/A

COMMENTS: RECORDABLE INDICATION - see page #2 for details      Double support see CPL-328-BB  
NOTE: Partial exam only - insulation covering clamps - see page 2.

EXAMINER: Chf Moss @      LEVEL: II      DATE: 4-13-92

REVIEWER: Chf Purnan @      LEVEL: II      DATE: 4-16-92

COMPONENT CONDITION:      ☐ SATISFACTORY      ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/1/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares      DATE: 5-4-92

# 1125

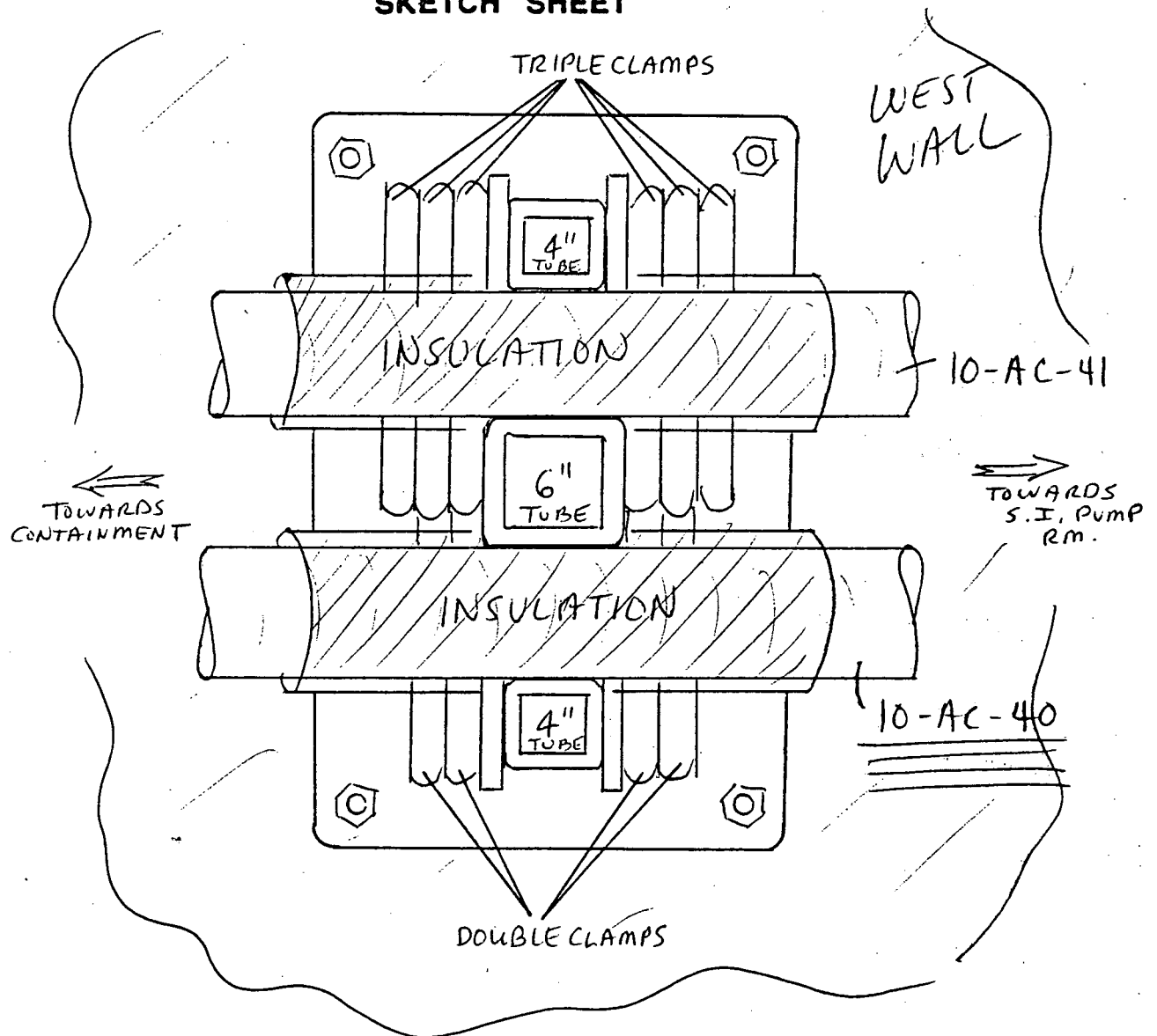
PAGE 2 OF 2

DATA SHEET NO. 1097-742

(10-AC-40) EXAM ITEM CPL-327-Q

ISO DWG. NO. CPL-327 REV. 0

## SKETCH SHEET



NOTE: INSULATION COVERS ALL CLAMP BOLTS - could not examine

- All other structures are acceptable, including welds & bolts.
- light ~~dot~~ debris on horizontal surfaces.

CP 4-18-92

EXAMINER Chiff Moss

LEVEL II

DATE 4-13-92

EXAMINER N/A

LEVEL N/A

DATE N/A

REVIEWER Art P...

LEVEL II

DATE 4-16-92

REVIEWER Richard B. Weber

DATE 5/1/92

REVIEWER

DATE

QW

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-243

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 327-Q</u>
-------------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL-327 REV-0 PIPE ALLEY

[X] VT-3 PROCEDURE: NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input checked="" type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS  
RE-EXAM AFTER INSULATION REMOVAL

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-30-92

REVIEWER: Art Purnum IN LEVEL: II DATE: 5-1-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/1/92

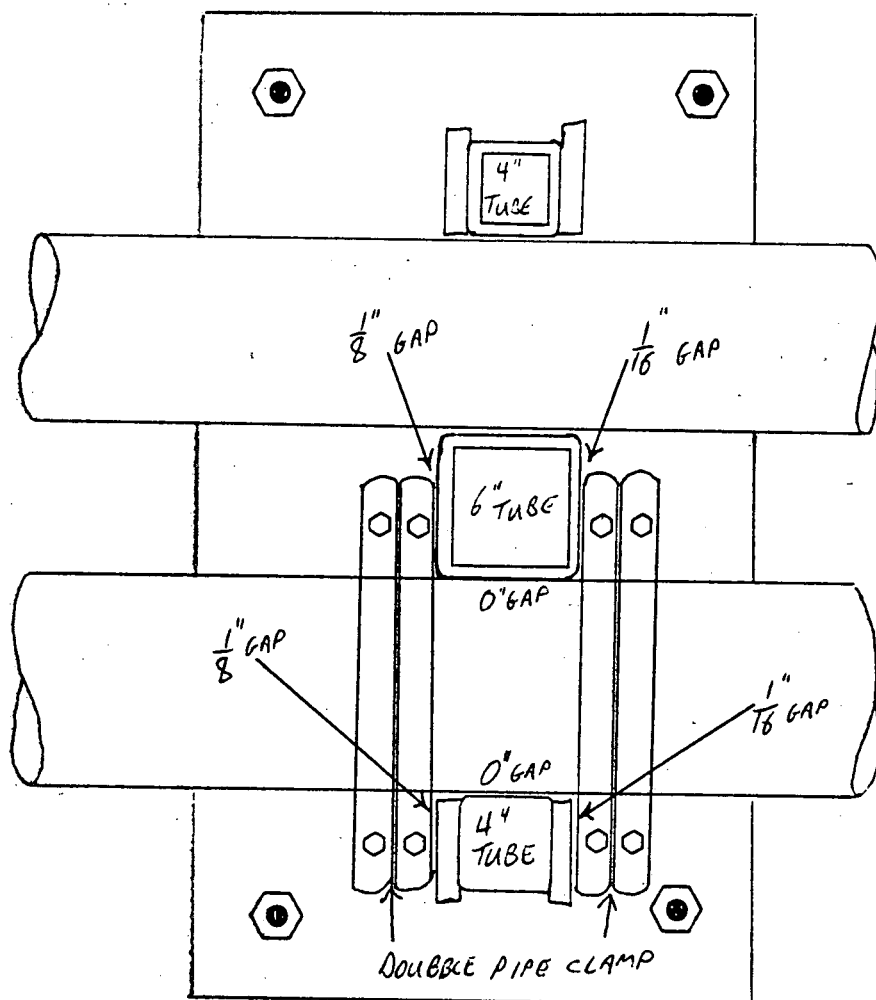
REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares DATE: 5-4-92

1125

PAGE 2 OF 2DATA SHEET NO. 1097-243EXAM ITEM CPL-327-QISO DWG. NO. CPL-327 REV. 0

## SKETCH SHEET

NEED GAP  
TOLERANCE

EXAMINER

Edward J. Donovan

LEVEL

II

DATE

4-30-92

EXAMINER

A

LEVEL

A

DATE

4/8

REVIEWER

Art Purnum

LEVEL

II

DATE

5-1-92

REVIEWER

Richard B. Weber

DATE

5/1/92

REVIEWER

RW

DATE

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-145

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-327-R</u>
-------------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL-327 Rev 0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP-1097 <sup>CP</sup> 4-13-92 ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:   

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>                    </u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <span style="margin-left: 50px;"><input type="checkbox"/> CONSTANT SUPPORT</span> <input type="checkbox"/> MECHANICAL SNUBBER <span style="margin-left: 50px;"><input type="checkbox"/> VARIABLE SUPPORT</span> <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		<sup>CP</sup>
DEBRIS	<input checked="" type="checkbox"/>			Light dust & debris on horizontal surfaces.
CORROSION/EROSION		<input checked="" type="checkbox"/>		<sup>4-13-92</sup> N/A
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			See page # 2 for details
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	N/A
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A    STROKE: N/A    S/N N/A			

COMMENTS: RECORDABLE INDICATIONS—see page # 2 for details.

NOTE: This support is physically tied to CPL-327-C (see pg.# 2)

EXAMINER: Chet Moss <sup>CP</sup> LEVEL: II DATE: 4-13-92

REVIEWER: Art Purnell <sup>CP</sup> LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/24/92

REVIEWERS COMMENTS:

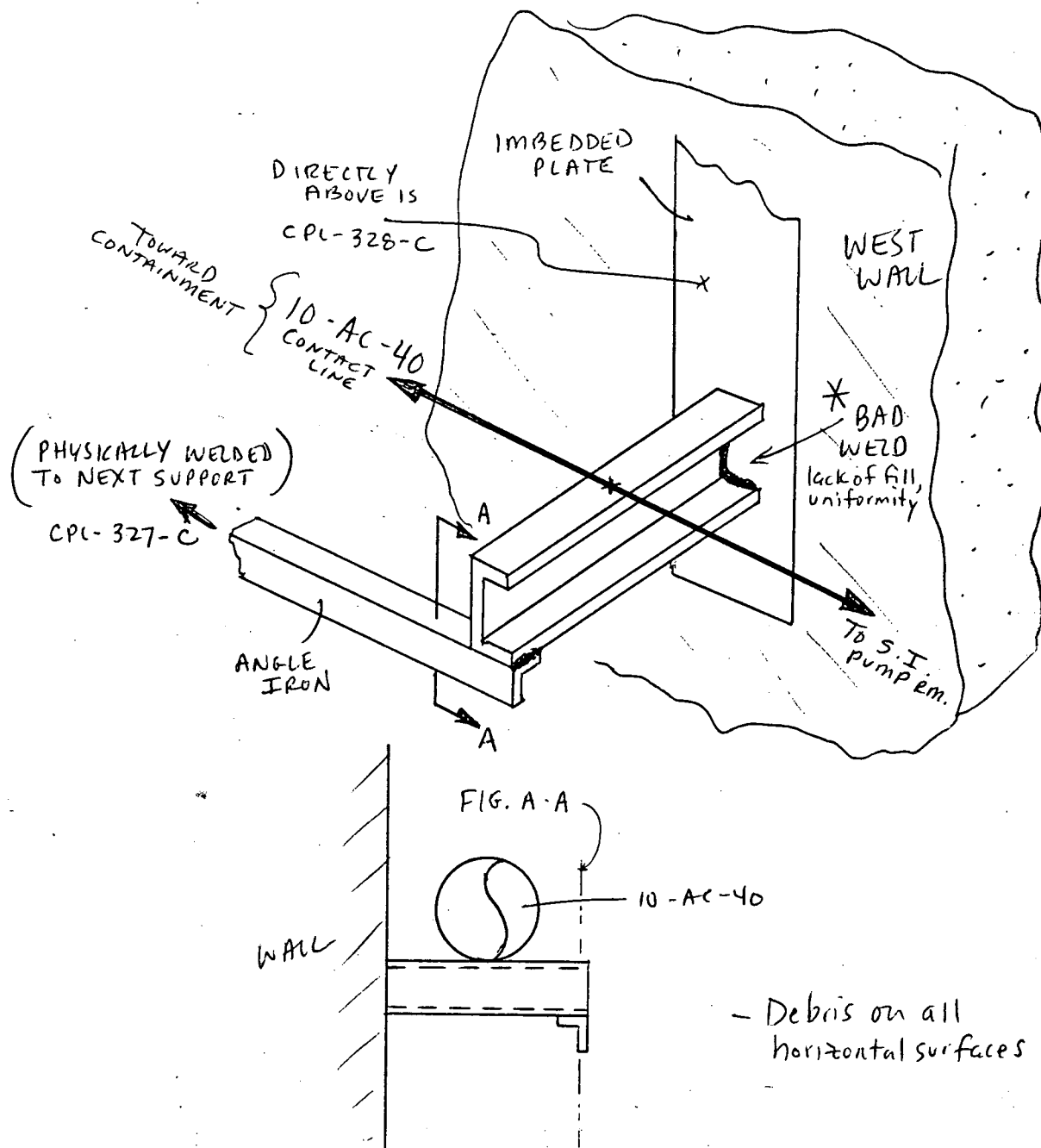
ANII REVIEW: RP Valladares

DATE: 4-27-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-445EXAM ITEM CPL-327-RISO DWG. NO. CPL-327 REV. 0

## SKETCH SHEET

EXAMINER Cliff MossEXAMINER N/AREVIEWER Two Penn. comREVIEWER Richard S. WeberREVIEWER AMLEVEL IILEVEL N/ALEVEL IIDATE 4/24/92

DATE \_\_\_\_\_

DATE 4-13-92DATE N/ADATE 4-16-92



VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-257

WR&A # N/A

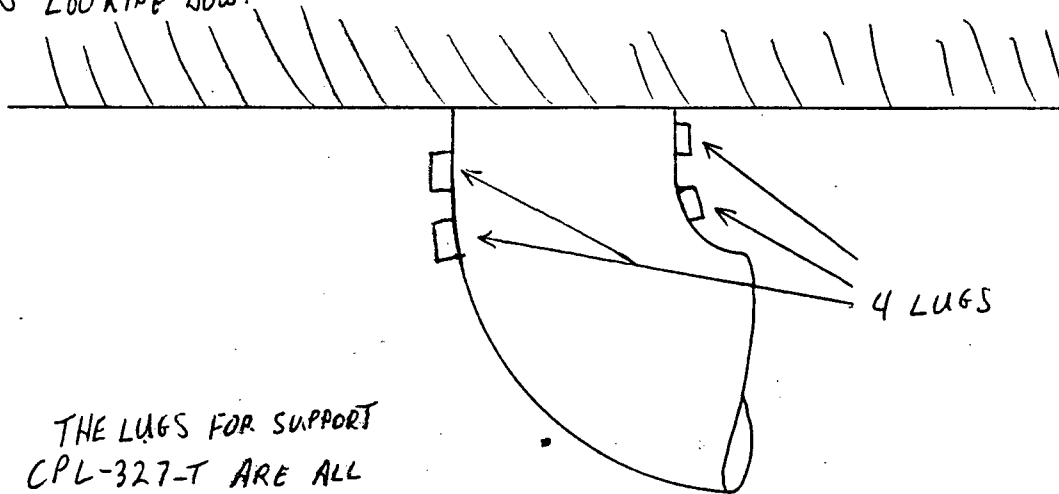
PAGE 1 OF 2

PLANT: <u>H B ROBINSON</u>		UNIT <u>[ ] 1 [X] 2 [ ] PSI [X] ISI</u>	
SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-327-T</u>	
DWG./LOC.: <u>CPL-327 REV-0 / NON REGEN HT. EXCH. ROOM</u>			
<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 ERO 4-15-92</u> <u>NDEP-613 REV.: 0</u>		<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>	
DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>		VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A	
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____		TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER	
CONDITION Present	YES	NO	N/A
FASTENING DEVICES	<input checked="" type="checkbox"/>		<u>SEE ATTACHED SKETCH</u>
MISALIGNMENT			<input checked="" type="checkbox"/>
DEBRIS			<input checked="" type="checkbox"/>
CORROSION/EROSION			<input checked="" type="checkbox"/>
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>		<u>SEE ATTACHED SKETCH</u>
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>		
SNUBBER	ACTUAL: <u>N/A</u>	STROKE: <u>N/A</u>	S/N <u>N/A</u>
COMMENTS: <u>RECORDABLE INDICATIONS</u>			
EXAMINER: <u>Edward R. Davoren</u>		LEVEL: <u>II</u>	DATE: <u>4-15-92</u>
REVIEWER: <u>Art P...</u>		LEVEL: <u>II</u>	DATE: <u>4-16-92</u>
COMPONENT CONDITION: <input type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY			
REVIEWED BY: <u>Arthur B. Weber 4/17/92</u>			
REVIEWERS COMMENTS:			
ANII REVIEW: <u>R. Walladanes</u>		DATE: <u>4-20-92</u>	

# 1125

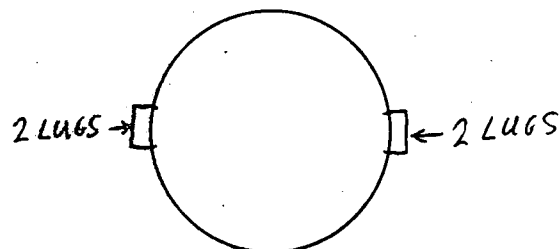
PAGE 2 OF 2DATA SHEET NO. 1097257EXAM ITEM CPL-327-TISO DWG. NO. CPL-327 REV. 0VIEW WEST WALL  
LOOKING DOWN

## SKETCH SHEET



THE LUGS FOR SUPPORT  
CPL-327-T ARE ALL  
THAT IS LEFT OF  
THIS SUPPORT ALL  
OTHER PIECES ARE  
MISSING

VIEW LOOKING WEST

EXAMINER Edmund R. DawsonLEVEL IIDATE 4/5/92EXAMINER NALEVEL NADATE NAREVIEWER Cliff PymmerLEVEL CHDATE 4-16-92REVIEWER Richard B. WeberDATE 4/17/92REVIEWER PM

DATE \_\_\_\_\_

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-258

WR&A # N/A

PAGE 1 OF 2 <sup>ERO</sup>  
4-15-92

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLING</u>	COMPONENT NAME: <u>SUPPORT LUGS</u>	COMPONENT ID NO.: <u>CPL-327-WS-T</u>
-------------------------------------	--	--

DWG./LOC.: CPL-327 REV-0 / NON REGEN HT EXCH. ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4-15-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	<div style="font-size: 2em;">N</div> <div style="font-size: 2em;">A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edward R. Donovan LEVEL: II DATE: 4-15-92

REVIEWER: Carl P. ... LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Wiley 4/17/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 4-20-92




I certify that the image contained on this frame was made in the normal and regular course of business.



Carolina Power &amp; Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-64

WR&amp;A #

N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT COMPONENT NAME: ROD HANGER COMPONENT ID NO.: CPL-328-A

DWG./LOC.: CPL 328 / REV-0 / SFP HX ROOM

[X] VT-3 PROCEDURE: SP 1097 ERD 4-7-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	X			SEE ATTACHED SKETCH
MISALIGNMENT	X			SEE ATTACHED SKETCH
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY	X			SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT		X		
CLEARANCES OF MOVING PARTS		X		
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: N RECORDABLE INDICATION  
ERD 4-8-92

EXAMINER: Schmitt R Dorian LEVEL: II DATE: 4-7-92

REVIEWER: [Signature] [Signature] LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

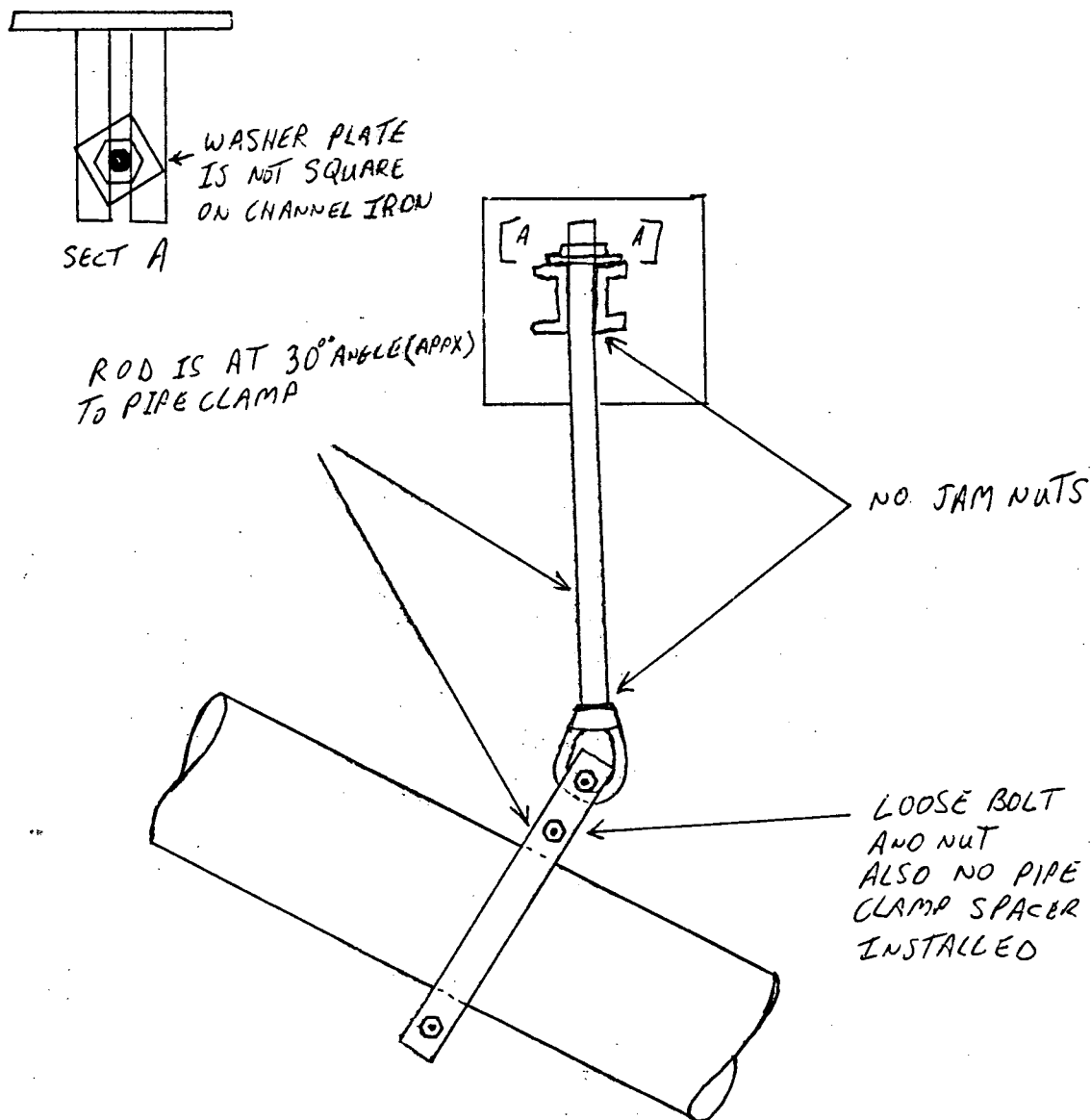
ANII REVIEW: [Signature]

DATE: 4-10-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-64EXAM ITEM CPL-328-AISO DWG. NO. CPL 328 REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Dorey  
EXAMINER N/A  
REVIEWER Art Purnan  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-7-92  
DATE N/A  
DATE 4-8-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-149

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-328-A</u>
------------------------------	--------------------------------------	---------------------------------------

DWG./LOC.: CPL-328, Rev 0 (SPENT FUEL POOL HX R.M.)

☒ VT-3 PROCEDURE: SP-1097 @ 4-16-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u></u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <span style="margin-left: 20px;"><input type="checkbox"/> CONSTANT SUPPORT</span> <input type="checkbox"/> MECHANICAL SNUBBER <span style="margin-left: 20px;"><input type="checkbox"/> VARIABLE SUPPORT</span> <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BOLT MISSING
MISALIGNMENT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ROD & CLAMP APPROX. 30° MISALIGNED.
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE PAGE #2
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS - See page #2 for details,

This exam supplements data sheet #1097-64 per Engineering request.

EXAMINER: Chris Moss CM LEVEL: II DATE: 4-16-92

REVIEWER: W. P. ... LEVEL: II DATE: 4-18-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/24/92

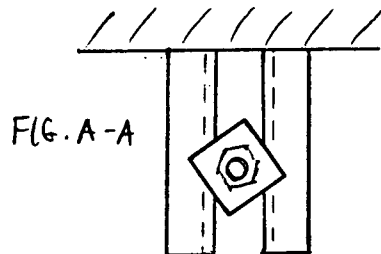
REVIEWERS COMMENTS:

ANII REVIEW: RP Walladines DATE: 4.27.92

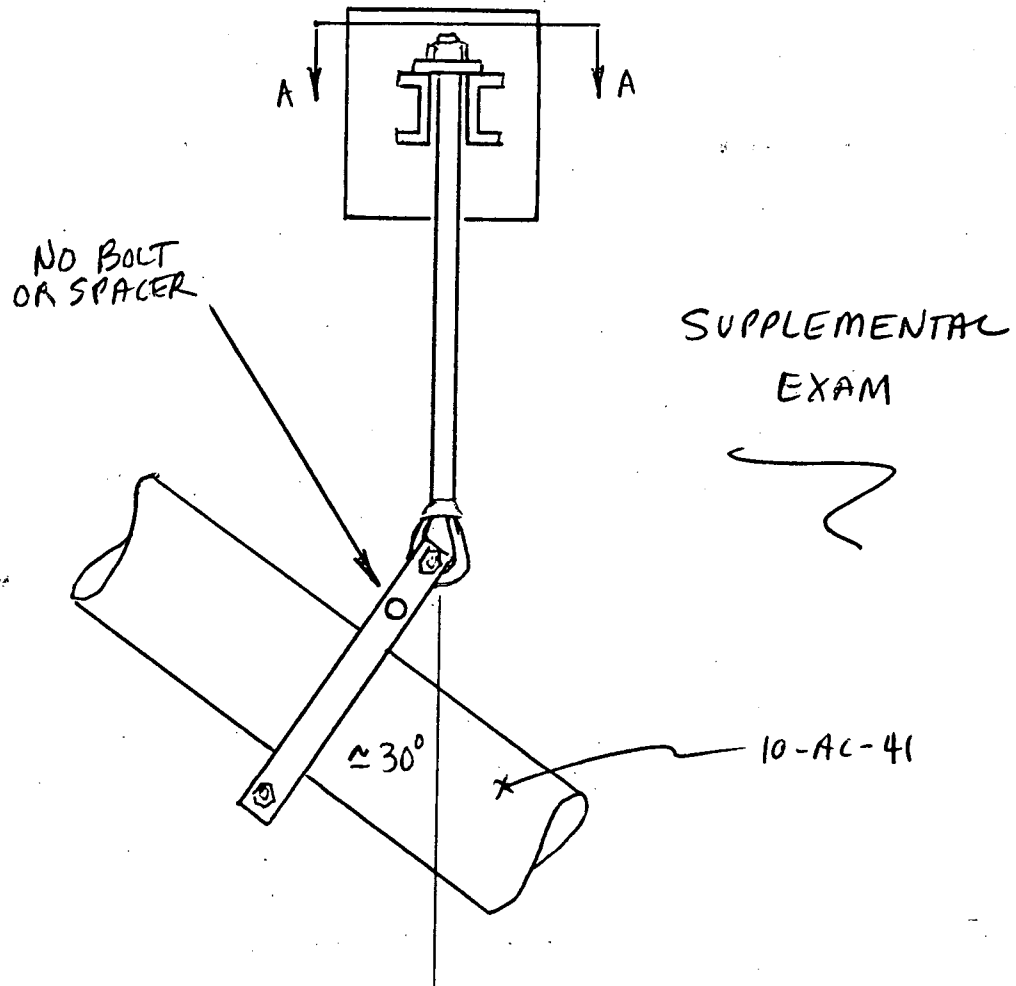
# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-149  
EXAM ITEM CPL-328-A  
ISO DWG. NO. CPL-328 REV. 0

## SKETCH SHEET



See VT data sheet  
1097-64 for other  
pertinent data.



EXAMINER Cliff Moss  
EXAMINER N/A  
REVIEWER Art Pinner  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/24/92  
DATE \_\_\_\_\_

DATE 4-16-92  
DATE N/A  
DATE 4-18-92





Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-290

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 1 2 1 PSI 1 ISI

SYSTEM: COMPONENT COOLANT COMPONENT NAME: HANGER COMPONENT ID NO.: CPL-328-A

DWG./LOC.: CPL-328 REV.-0 / S.F.D. HX ROOM

SP 1097 ERD 5-15-92  
☒ VT-3 PROCEDURE: NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☐ OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT:  
☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM. AFTER REPAIR

WR/JO 92-AEMCI

EXAMINER: Edward R. Donora

LEVEL: II

DATE: 5-15-92

REVIEWER: Art Purnan

LEVEL: II

DATE: 5-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/18/92

REVIEWERS COMMENTS:

ANII REVIEW: Q. Malladares

DATE: 5-18-92



Carolina Power &amp; Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-65

WR&A # N/APAGE 1 OF 2PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLING</u>	COMPONENT NAME: <u>RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-328-B</u>
-------------------------------------	-------------------------------------	---------------------------------------

DWG./LOC.: CPL 328 REV-0 / SFP HX ROOM

<u>[X] VT-3 PROCEDURE: <del>NOEP-613</del> REV.: 0</u>	<u>[ ] VT-4 PROCEDURE: 614 REV.:</u>
--	--------------------------------------

DIRECT <u>[X]</u> REMOTE <u>[X]</u>	VIDEO RECORDING NO: <u>[X] N/A</u>
EQUIPMENT USED: <u>[X] FLASHLIGHT</u> <u>[X] MIRROR</u> <u>[X] OTHER 6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <u>[ ] HYDRAULIC SNUBBER</u> <u>[ ] CONSTANT SUPPORT</u> <u>[ ] MECHANICAL SNUBBER</u> <u>[ ] VARIABLE SUPPORT</u> <u>[X] SUPPORT/HANGER</u>

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>[X]</u>		
MISALIGNMENT		<u>[X]</u>		
DEBRIS		<u>[X]</u>		
CORROSION/EROSION		<u>[X]</u>		
STRUCTURAL INTEGRITY		<u>[X]</u>		
RESISTANCE TO MOVEMENT	<u>[X]</u>			<u>SEE ATTACHED SKETCH FOR GAPS</u>
CLEARANCES OF MOVING PARTS			<u>[X]</u>	
ARC STRIKES/GOUGES		<u>[X]</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: N/A RECORDABLE INDICATION  
ERD 4-8-92EXAMINER: Edward R. Donovan LEVEL: II DATE: 4-7-92REVIEWER: Art Pinner LEVEL: II DATE: 4-9-92COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORYREVIEWED BY: Richard B. Weber 4/10/92

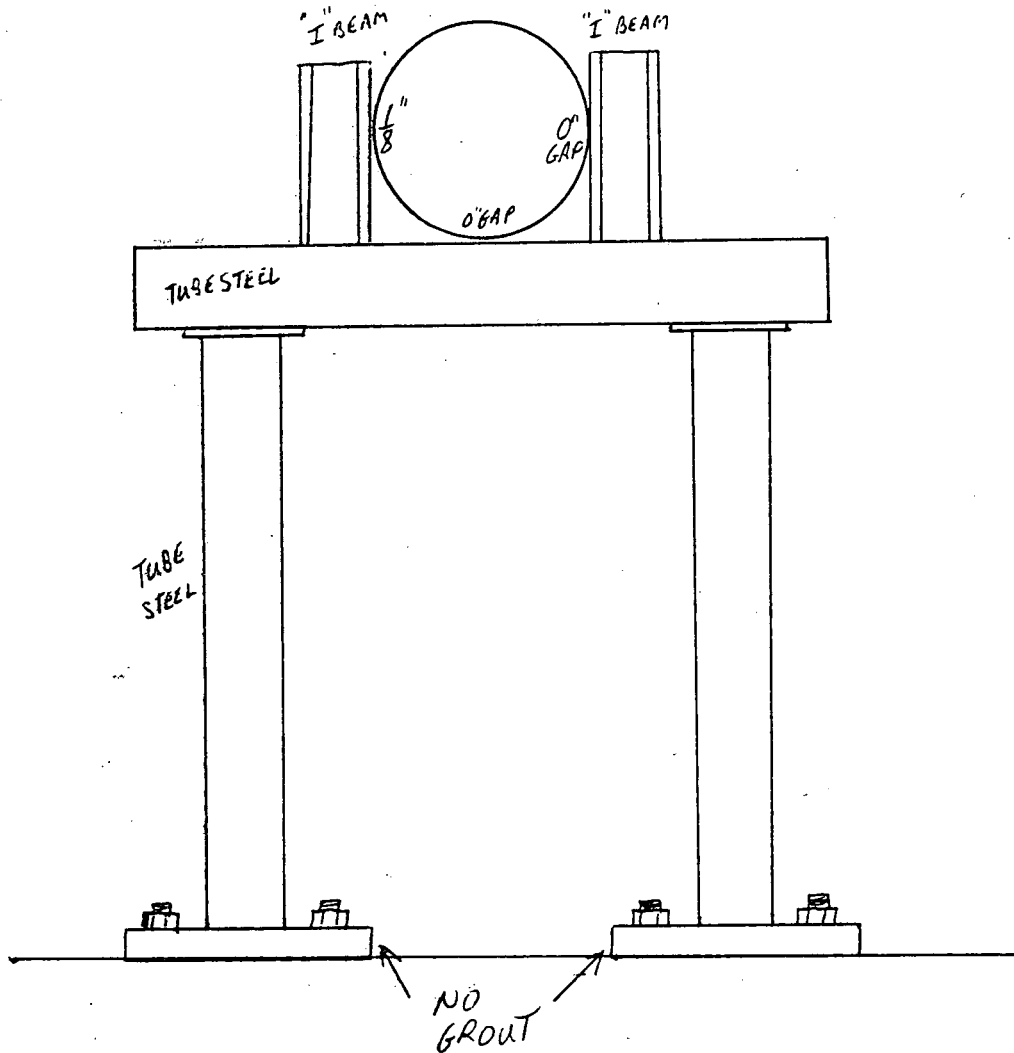
REVIEWERS COMMENTS:

ANII REVIEW: CP ValladaresDATE: 4-10-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1092-65EXAM ITEM CPL-328-BISO DWG. NO. CPL-328 REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER Carl P. ...  
REVIEWER \_\_\_\_\_  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE \_\_\_\_\_  
DATE \_\_\_\_\_

DATE 4-7-92  
DATE NA  
DATE 4-8-92

AN

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-252

WR&A # N/A

PAGE 1 OF 2

PLANT: \_\_\_\_\_ UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-328-B</u>
-------------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL-328 REV-0 / S.F.P. HX. ROOM

☒ VT-3 PROCEDURE: SP1097 ERO 5-4-92  
NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT			<input checked="" type="checkbox"/>	
DEBRIS			<input checked="" type="checkbox"/>	
CORROSION/EROSION			<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION RECHECK GAP FOR NED.

EXAMINER: Edward R. Dorman LEVEL: II DATE: 5-4-92

REVIEWER: Art Pinner LEVEL: II DATE: 5-6-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Walladous DATE: 5-13-92

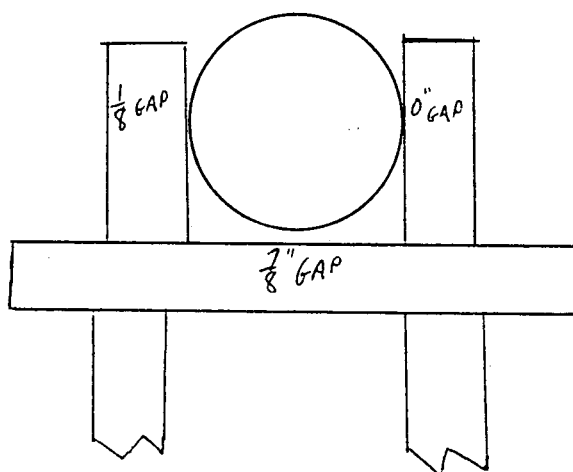
# 1125

PAGE 2 OF 2

DATA SHEET NO. \_\_\_\_\_

EXAM ITEM CPL-328-BISO DWG. NO. CPL-328REV. 0

## SKETCH SHEET



EXAMINER Edward R. Dawson  
EXAMINER N/A  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL N/A  
DATE \_\_\_\_\_  
DATE \_\_\_\_\_

DATE 5-4-92  
DATE N/A  
DATE 5/9/92

\* CPL-328-D is now assigned to the 4th support after penetration into pipe alley. This number was not on ISO# CPL-328, Rev 0.



VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097746

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT	COMPONENT NAME: SUPPORT	COMPONENT ID NO.: CPL-328-C
------------------------------	----------------------------	--------------------------------

DWG./LOC.: CPL-328, Rev 0 / PIPE ALLEY

[X] VT-3 PROCEDURE: <sup>SP-1097 @ 4-13-92</sup> ~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	N/A
MISALIGNMENT		X		
DEBRIS	X			Light dust & debris on horizontal surfaces.
CORROSION/EROSION		X		4-18-92 N/A
STRUCTURAL INTEGRITY	X			See page #2 for details
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	N/A
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS - see page #2 for details.

NOTE: This support is physically tied to \*CPL-328-D (see pg #2)

EXAMINER: Chf Moss @ LEVEL: II DATE: 4-13-92

REVIEWER: Art R... LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/24/92

REVIEWERS COMMENTS:

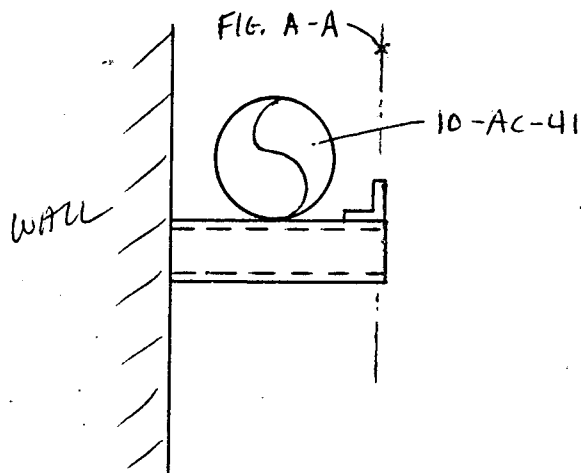
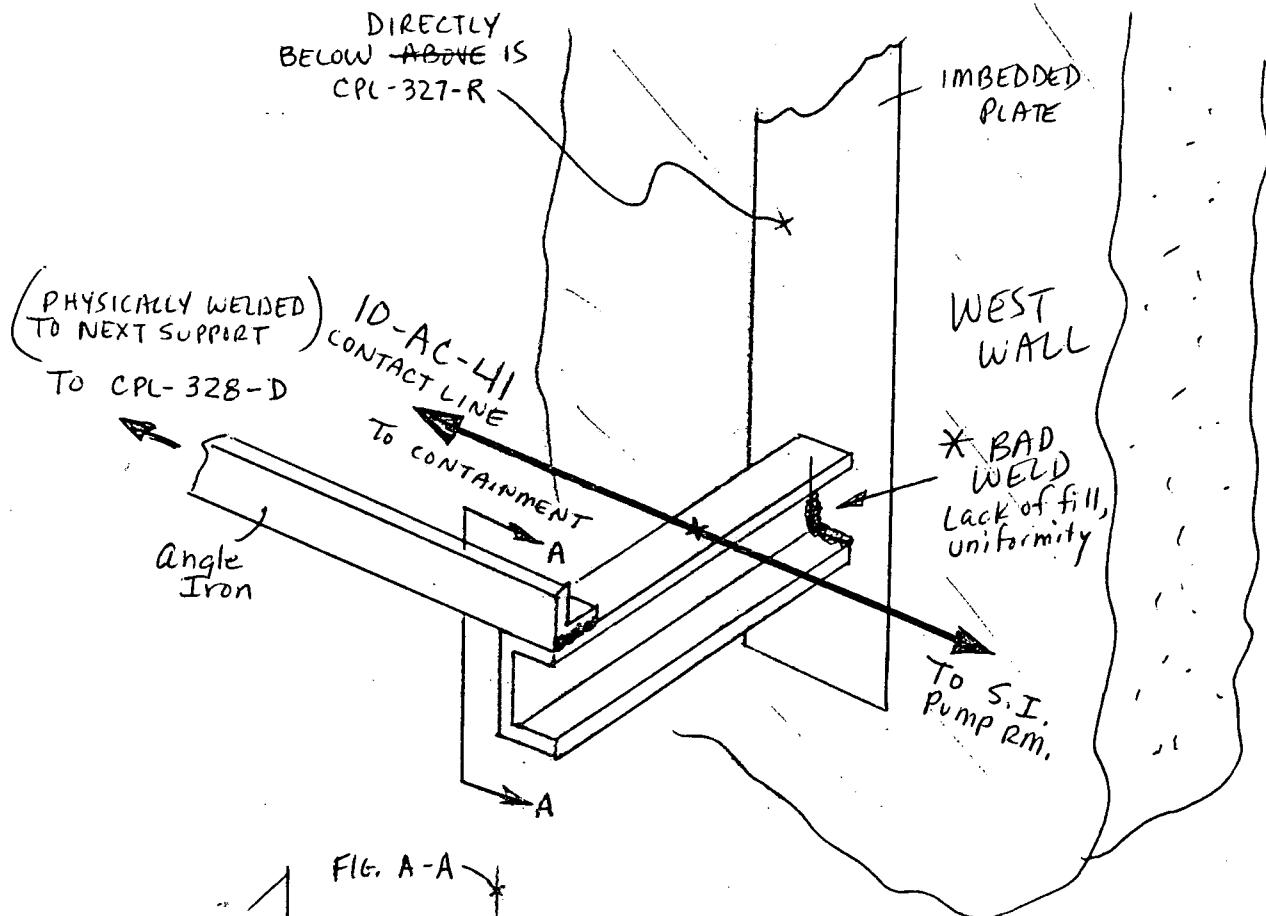
ANII REVIEW: R. Valladares

DATE: 4-27-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-146EXAM ITEM CPL-328-CISO DWG. NO. CPL-328 REV. 0

## SKETCH SHEET



Light,  
- Debris on all horizontal  
surfaces.

EXAMINER Cliff Moss  
EXAMINER N/A  
REVIEWER Oct. Puma  
REVIEWER Richard B. Weber  
REVIEWER

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/24/92  
DATE

DATE 4-13-92  
DATE N/A  
DATE 4-16-92

\* CPL-328-D is now assigned to the 4th support after penetration into pipe alley. This number was not on ISO # CPL-328, Rev 0



VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-142

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT COMPONENT NAME: SUPPORT COMPONENT ID NO.: \* CPL-328-D

DWG./LOC.: CPL-328 Rev 0 / PIPE ALLEY

[X] VT-3 PROCEDURE: SP-1097 <sup>CP</sup> 4-13-92 ~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			[X]	N/A
MISALIGNMENT		[X]		
DEBRIS	[X]			Light <sup>con</sup> dust & debris on all horizontal surfaces
CORROSION/EROSION		[X]		4-18-92 N/A
STRUCTURAL INTEGRITY	[X]			See page # 2 for details
RESISTANCE TO MOVEMENT			[X]	
CLEARANCES OF MOVING PARTS			[X]	N/A
ARC STRIKES/GOUGES		[X]		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS - see page # 2 for details

NOTE: This support is physically tied to CPL-328-C (see page # 2)

EXAMINER: Chiff Moss <sup>CP</sup> LEVEL: II DATE: 4-13-92

REVIEWER: Carl R... <sup>AW</sup> LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/24/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares

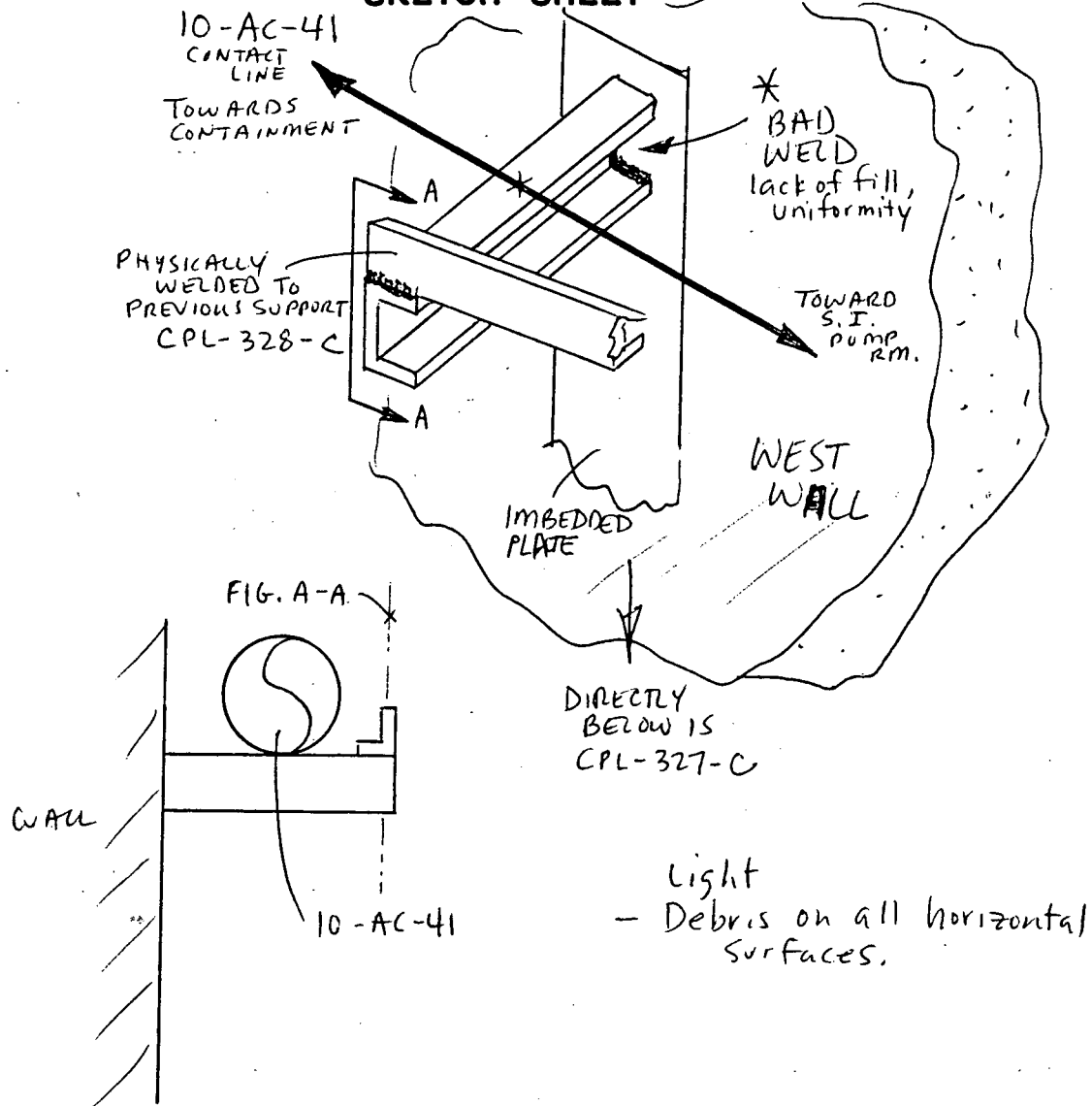
DATE: 4-27-92



# 1105

PAGE 2 OF 2DATA SHEET NO. 1097-147EXAM ITEM CPL-328-DISO DWG. NO. CPL-328 REV. 0

## SKETCH SHEET

EXAMINER Chiff MossEXAMINER N/AREVIEWER Carl P. PinnerREVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL IILEVEL N/ALEVEL IIDATE 4/24/92

DATE \_\_\_\_\_

DATE 4-13-92DATE N/ADATE 4-16-92



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-224

WR&A # N/A

PAGE 1 OF 1 <sup>AP</sup> 4-25-92

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: CCW	COMPONENT NAME: SUPPORT	COMPONENT ID NO.: CPL 328 - E
----------------	----------------------------	----------------------------------

DWG./LOC.: CPL 328 REV 0 / PIPE ALLEY

[X] VT-3 PROCEDURE: <sup>SP 1097 AP 4-25-92</sup> ~~NDEP 613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [X] OTHER 6" SCALE	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT		✓		
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Art Pinner LEVEL: II DATE: 4-25-92

REVIEWER: Edward R. Downer <sup>DN</sup> LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: RR Valladares DATE: 4-28-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-67

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: COMPONENT COOLANT	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-328-Z</u>
------------------------------	--------------------------------------	---------------------------------------

DWG./LOC.: CPL-328 REV-0 / SFP HY ROOM

☒ VT-3 PROCEDURE: SP 1097 ERD 4-7-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edmund R Donagan LEVEL: II DATE: 4-7-92

REVIEWER: Curt Purnum CPN LEVEL: II DATE: 4-8-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B Weber 4/10/92

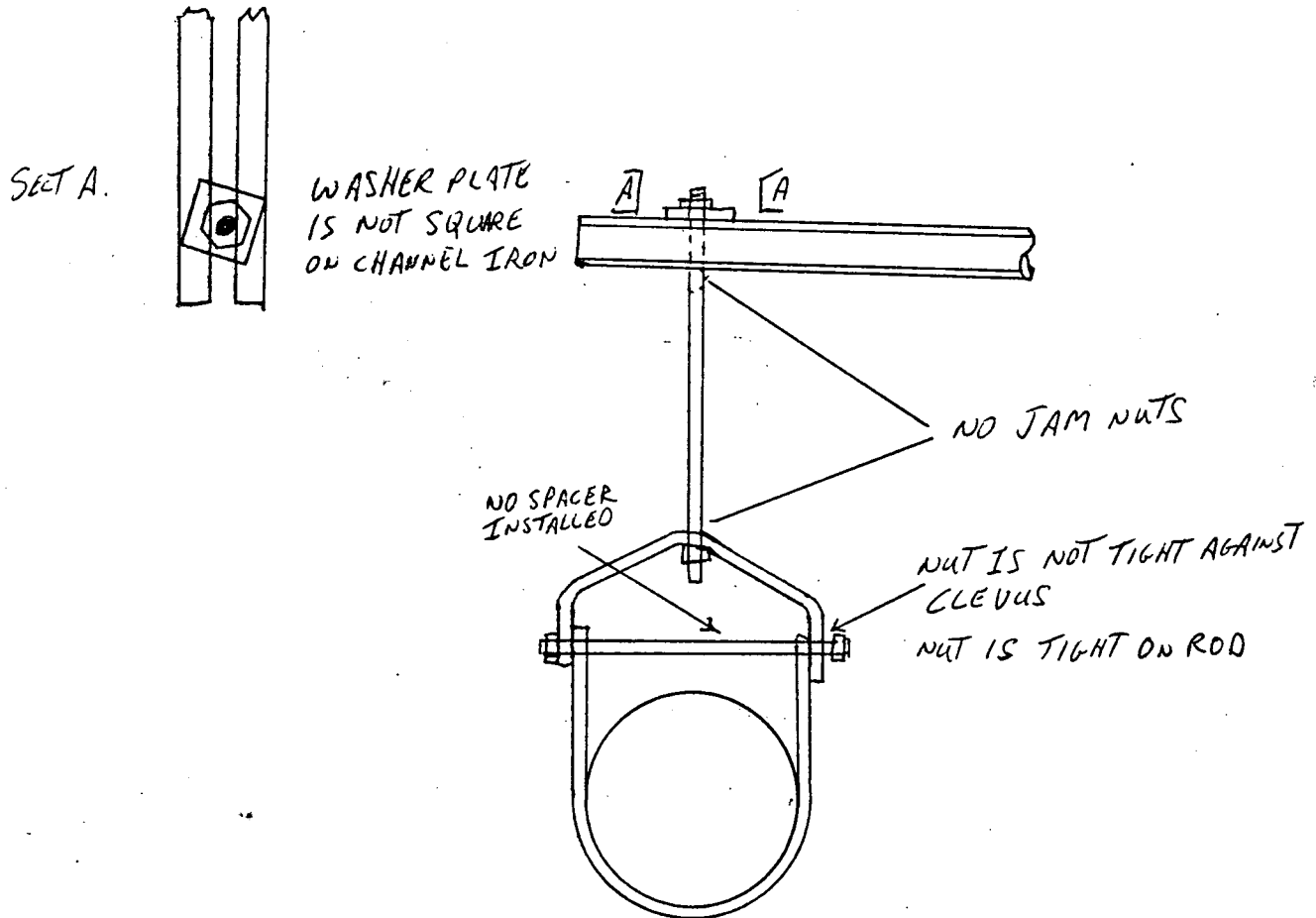
REVIEWERS COMMENTS:

ANII REVIEW: BP Valladares DATE: 4-10-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-67EXAM ITEM CPL-3 28-ZISO DWG. NO. CPL 328 REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Dawson  
EXAMINER Art Pinner 4-7-92 N/A  
REVIEWER Art Pinner  
REVIEWER Richard B. Heber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-7-92  
DATE N/A  
DATE 4-9-92

GW

**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-272

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-328-Z</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-328 REV-0 / SFP NX ROOM

[X] VT-3 PROCEDURE: <sup>SP 1097 ERO 5-7-92</sup> ~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <u>[ ] MIRROR</u> <u>[ ] OTHER</u>	TYPE OF COMPONENT SUPPORT: <u>[ ] HYDRAULIC SNUBBER</u> <u>[ ] CONSTANT SUPPORT</u> <u>[ ] MECHANICAL SNUBBER</u> <u>[ ] VARIABLE SUPPORT</u> <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM AFTER REPAIR

WR/JO 92-AELXI

EXAMINER: Edward R. Dorman

LEVEL: II

DATE: 5-7-92

REVIEWER: Art P...

LEVEL: II

DATE: 5-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Walladares

DATE: 5-12-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-140

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-328-AA</u>
------------------------------	-----------------------------------	--

DWG./LOC.: CPL-328 Rev 0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP-1097 (en) 4-13-92 ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO.: 0 ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input checked="" type="checkbox"/> OTHER <u>CP 4-13-92</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	<u>N/A</u>
MISALIGNMENT		<input checked="" type="checkbox"/>		<u>@ 4-18-92</u>
DEBRIS	<input checked="" type="checkbox"/>			<u>Light debris &amp; dust on horizontal surfaces.</u>
CORROSION/EROSION		<input checked="" type="checkbox"/>		<u>N/A</u>
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			<u>See page #2 for details</u>
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	<u>N/A</u>
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N: <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS - see page #2 for details

This hanger is a double support - see also CPL-327-B

EXAMINER: Chris Moss (en) LEVEL: II DATE: 4-13-92

REVIEWER: Bob Purnell (en) LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/24/92

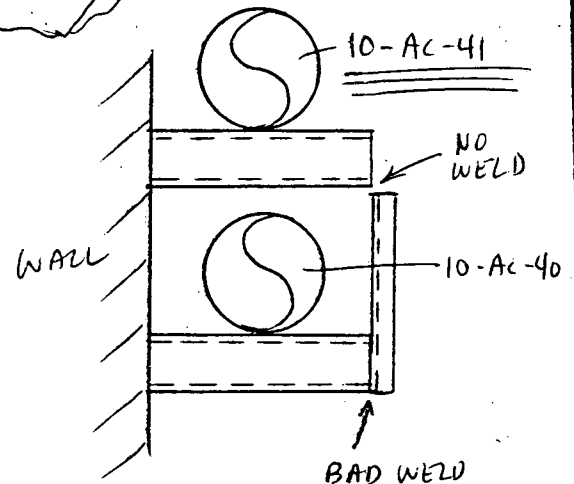
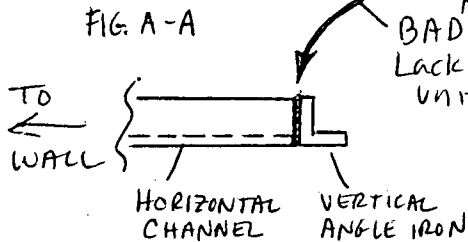
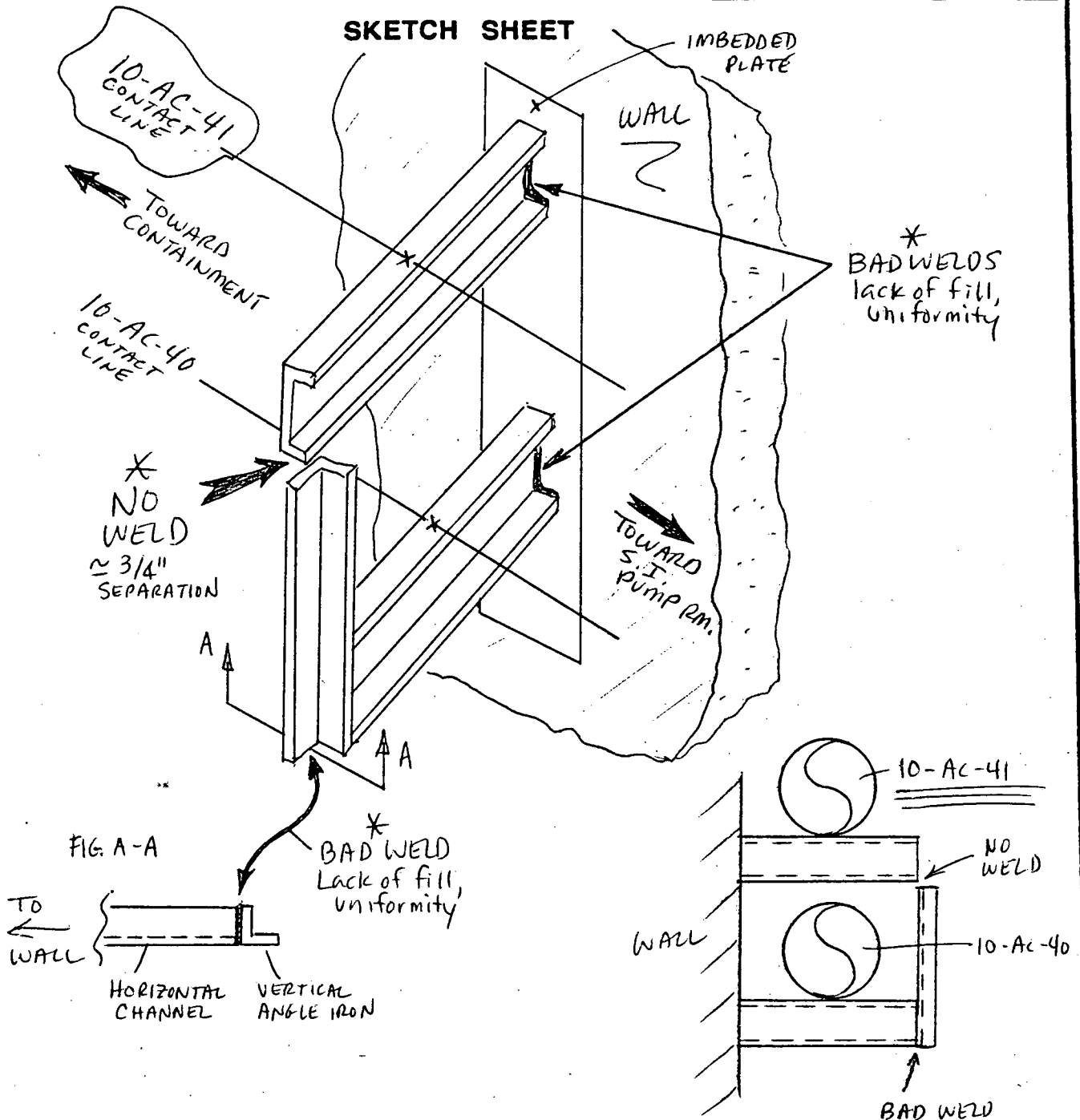
REVIEWERS COMMENTS:

ANII REVIEW: AP Malladene DATE: 4.27.92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097740(10-AC-41) EXAM ITEM CPL-328-AAISO DWG. NO. CPL-328 REV. 0

## SKETCH SHEET

EXAMINER Chf MossEXAMINER N/AREVIEWER Get P...REVIEWER Richard B. WeberREVIEWER LEVEL IILEVEL N/ALEVEL IIDATE 4/24/92DATE DATE 4-13-92DATE N/ADATE 4-16-92AW

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-141

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 11 ☒ 12 ☐ PSI ☒ ISI

SYSTEM: COMPONENT COOLANT	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-328-BB</u>
------------------------------	-----------------------------------	--

DWG./LOC.: CPL-328 Rev 0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP-1097 (CN) 4-13-92 ~~NOEP-613~~ REV.: C ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		Partial exam - see page #2 for details
MISALIGNMENT		<input checked="" type="checkbox"/>		N/A
DEBRIS	<input checked="" type="checkbox"/>			Light <del>dust</del> debris on horizontal surfaces 4-18-92
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	N/A
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		

VARIABLE/CONSTANT SUPPORT ACTUAL: N/A

SNUBBER ACTUAL: N/A STROKE: N/A S/N N/A

COMMENTS: RECORDABLE INDICATION - see page #2 for details Double support see CPL-327-Q.  
NOTE: Partial exam only - insulation covering clamps - see page 2.

EXAMINER: Chiff Most (CN) LEVEL: II DATE: 4-13-92

REVIEWER: Art P... (AN) LEVEL: II DATE: 4-16-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

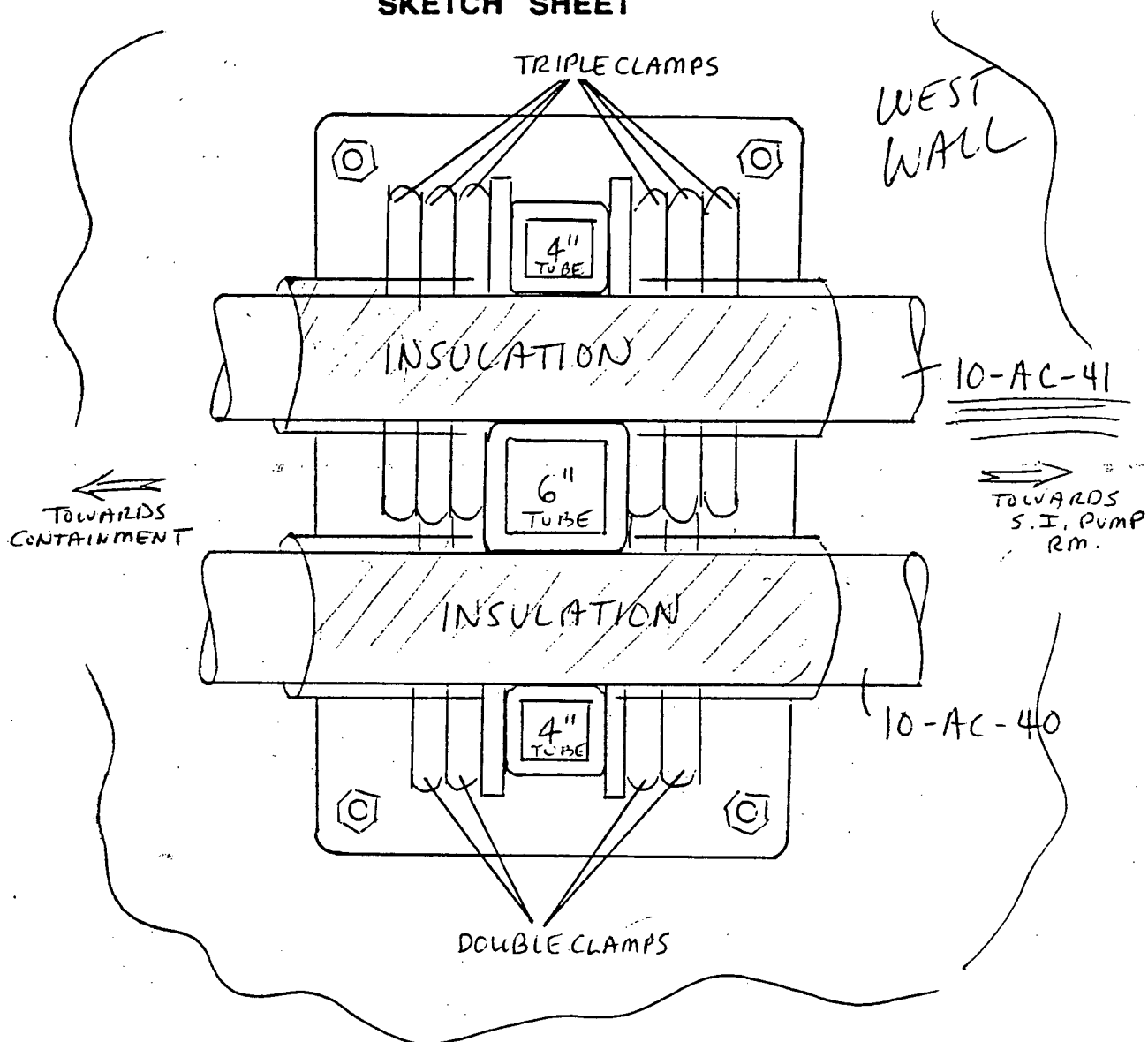
REVIEWED BY: Richard B. Weber 5/1/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Valle-dares DATE: 5-4-92



## SKETCH SHEET



NOTE: INSULATION COVERS ALL CLAMP BOLTS - could not examine

- All other structures are acceptable, including welds & bolts.
- light ~~debris~~ <sup>4-18-92</sup> debris on horizontal surfaces.

EXAMINER Chiff Moss

LEVEL II

DATE 4-13-92

EXAMINER N/A

LEVEL N/A

DATE N/A

REVIEWER Carl P. ...

LEVEL II

DATE 4-16-92

REVIEWER Richard B. ...

DATE 5/1/92

REVIEWER  

DATE

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-244

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-328-BB

DWG./LOC.: CPL-328 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP 1097 ERO 43092 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR  
☒ OTHER 6" SCALE

TYPE OF COMPONENT SUPPORT:  
☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORD ABLE INDICATIONS  
RE-EXAM AFTER INSULATION REMOVAL

EXAMINER: Edmund R. Dawson LEVEL: II DATE: 4-30-92

REVIEWER: W. P. ... W LEVEL: II DATE: 5-1-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/1/92

REVIEWERS COMMENTS:

ANII REVIEW: G. Mella ... DATE: 5-4-92

# 115

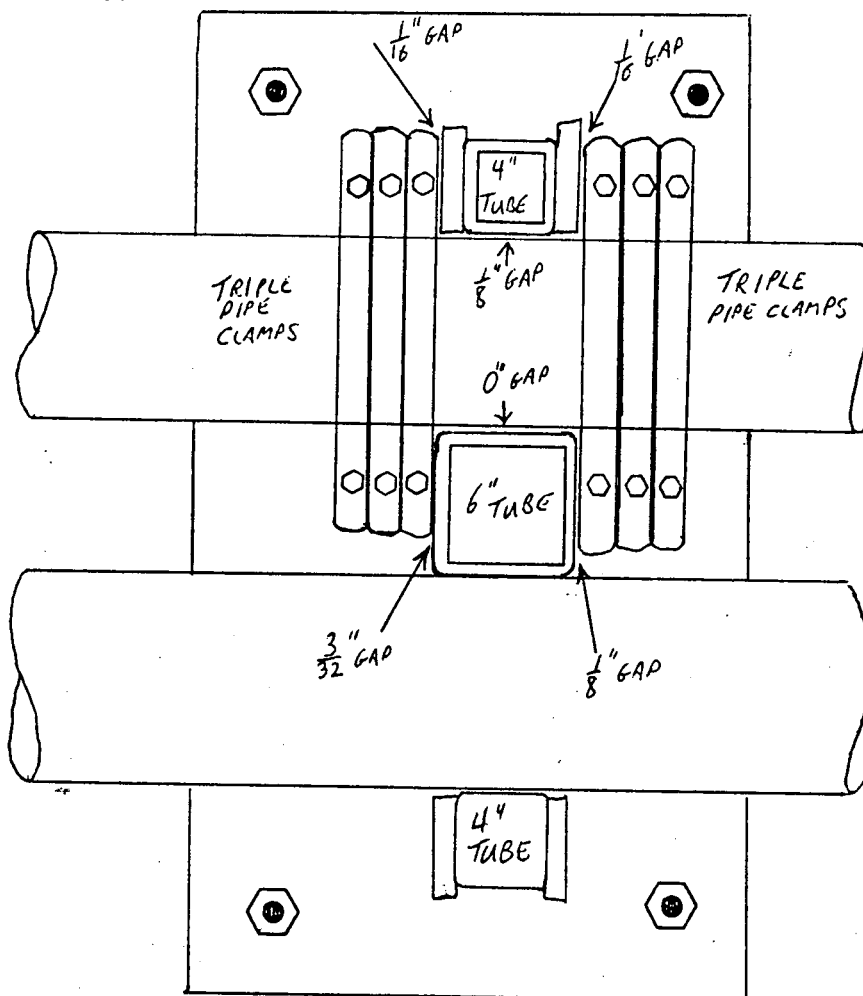
PAGE 2 OF 2

DATA SHEET NO. 1097-244

EXAM ITEM CPL-328-BB

ISO DWG. NO. CPL-328 REV. 0

## SKETCH SHEET



NEED GAP  
TOLERANCE

EXAMINER Edmund R. Darrow

EXAMINER NA

REVIEWER Art P...

REVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL II

LEVEL NA

LEVEL II

DATE 5/1/92

DATE \_\_\_\_\_

DATE 4-30-92

DATE NA

DATE 5-1-92

la



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-222

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: CCW	COMPONENT NAME: SUPPORT	COMPONENT ID NO.: CPL 328 - CC
----------------	----------------------------	-----------------------------------

DWG./LOC.: CPL 328 REV 0 / PIPE ALLEY - B.A. EVAP B ROOM

[X] VT-3 PROCEDURE: <sup>SP1097 AP 4-26-92</sup> NOEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		SEE ATTACHMENT
RESISTANCE TO MOVEMENT	✓			
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS  
NO SUPPORT ON PIPE ALLEY SIDE  
NO PIPE CLAMPS ON B.A. EVAP RM. SIDE.

EXAMINER: Art Purnan LEVEL: II DATE: 4-26-92

REVIEWER: Edmund R Donovan LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

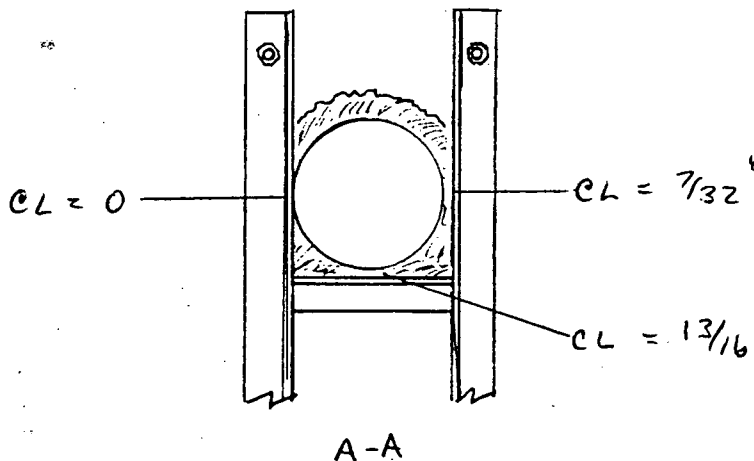
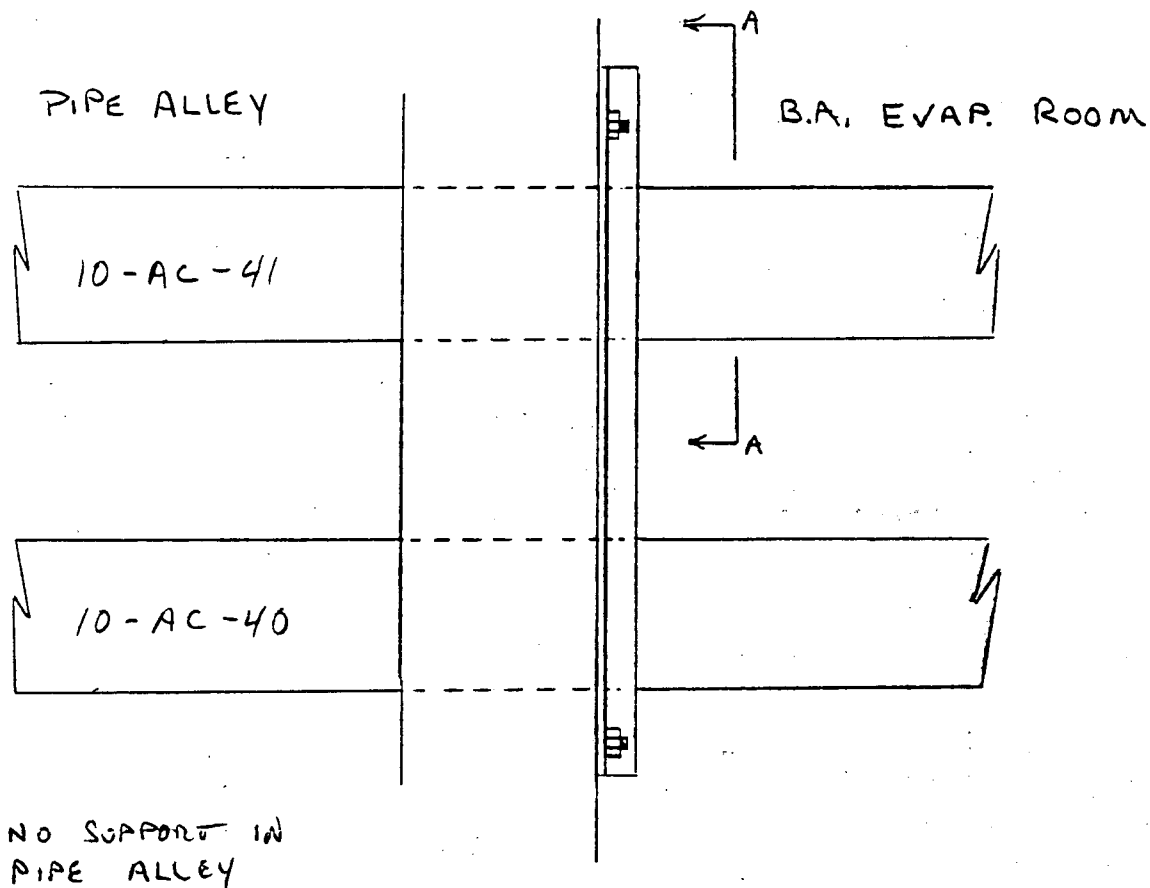
REVIEWERS COMMENTS:

ANII REVIEW: M. Walladare DATE: 4-28-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-222EXAM ITEM CPL 328 - CCISO DWG. NO. CPL 328 REV. 0

## SKETCH SHEET



EXAMINER

Art Purnan

LEVEL

IIDATE 4-26-92

EXAMINER

N/A

LEVEL

N/A

DATE

N/A

REVIEWER

Edward L. Darrow

LEVEL

II

DATE

4-27-92

REVIEWER

Richard B. Weber

DATE

4/28/92

REVIEWER

DATE

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-66

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-328-DD</u>
-------------------------------------	--------------------------------------	--

DWG./LOC.: CPL-328 REV-0 / SFP 4X ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 4-792  
~~HBEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: <u>[X]</u> FLASHLIGHT <u>[X]</u> MIRROR <u>[ ]</u> OTHER _____	TYPE OF COMPONENT SUPPORT: <u>[ ]</u> HYDRAULIC SNUBBER <u>[ ]</u> CONSTANT SUPPORT <u>[ ]</u> MECHANICAL SNUBBER <u>[ ]</u> VARIABLE SUPPORT <u>[X]</u> SUPPORT/HANGER
--	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<u>X</u>			<u>SEE ATTACHED SKETCH</u>
MISALIGNMENT		<u>X</u>		
DEBRIS		<u>X</u>		
CORROSION/EROSION		<u>X</u>		
STRUCTURAL INTEGRITY	<u>X</u>			<u>SEE ATTACHED SKETCH</u>
RESISTANCE TO MOVEMENT			<u>X</u>	
CLEARANCES OF MOVING PARTS		<u>X</u>		
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edward R. Donovan LEVEL: II DATE: 4-7-92

REVIEWER: Art Purnan DM LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

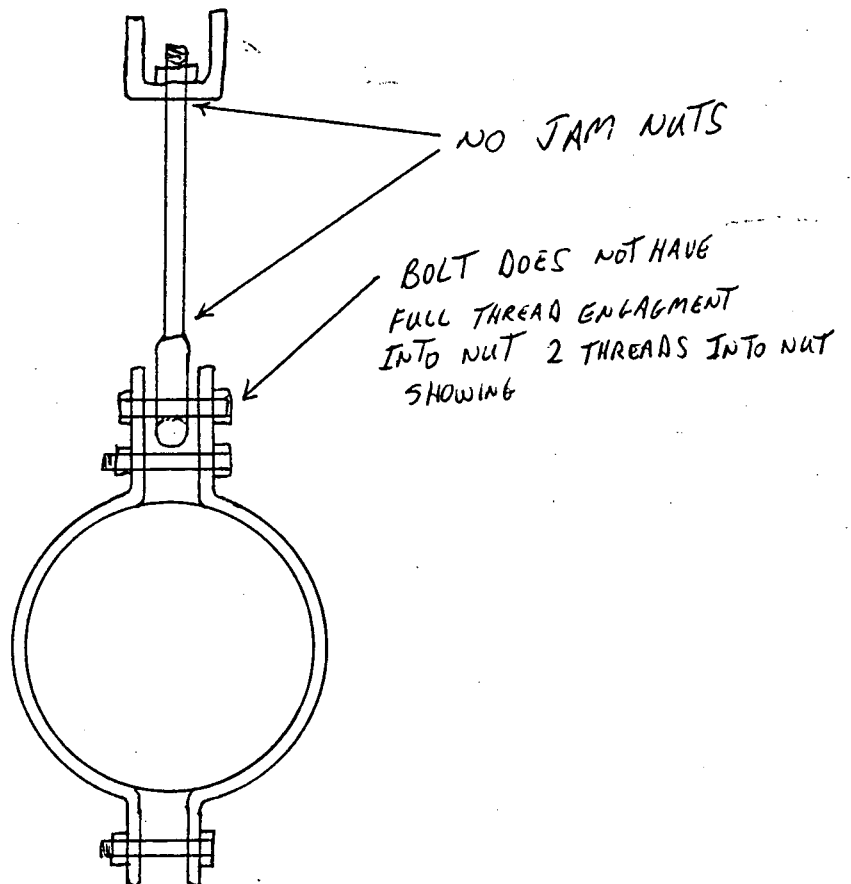
ANII REVIEW: CP Valladao

DATE: 4.10.92

# 1125

PAGE 2 OF 2DATA SHEET NO. 109766EXAM ITEM CPL-328-00ISO DWG. NO. CPL 328 REV. 0

## SKETCH SHEET

EXAMINER Chenell R. DonovanEXAMINER NAREVIEWER Art Purnan

REVIEWER \_\_\_\_\_

REVIEWER \_\_\_\_\_

LEVEL IILEVEL NALEVEL II

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 4-7-92 4-8-92 ERO 4-8-92DATE N/ADATE 4-9-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-263

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-328-DD</u>
------------------------------	----------------------------------	--

DWG./LOC.: CPL-328 REV.: 0 S.F.P. NX ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 5-6-92  
NOEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT <u>[X]</u> REMOTE <u>[X]</u> EQUIPMENT USED: <u>[X]</u> FLASHLIGHT <u>[X]</u> MIRROR <u>[ ]</u> OTHER _____	VIDEO RECORDING NO: <u>[X] N/A</u> TYPE OF COMPONENT SUPPORT: <u>[ ]</u> HYDRAULIC SNUBBER <u>[ ]</u> CONSTANT SUPPORT <u>[ ]</u> MECHANICAL SNUBBER <u>[ ]</u> VARIABLE SUPPORT <u>[X]</u> SUPPORT/HANGER
---	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>[X]</u>		
MISALIGNMENT		<u>[X]</u>		
DEBRIS		<u>[X]</u>		
CORROSION/EROSION		<u>[X]</u>		
STRUCTURAL INTEGRITY		<u>[X]</u>		
RESISTANCE TO MOVEMENT			<u>[X]</u>	
CLEARANCES OF MOVING PARTS		<u>[X]</u>		
ARC STRIKES/GOUGES		<u>[X]</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM AFTER REPAIR WR 100 92-AEL41

EXAMINER: Edward R. Downer LEVEL: II DATE: 5-6-92

REVIEWER: Art Purnan LEVEL: II DATE: 5-7-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

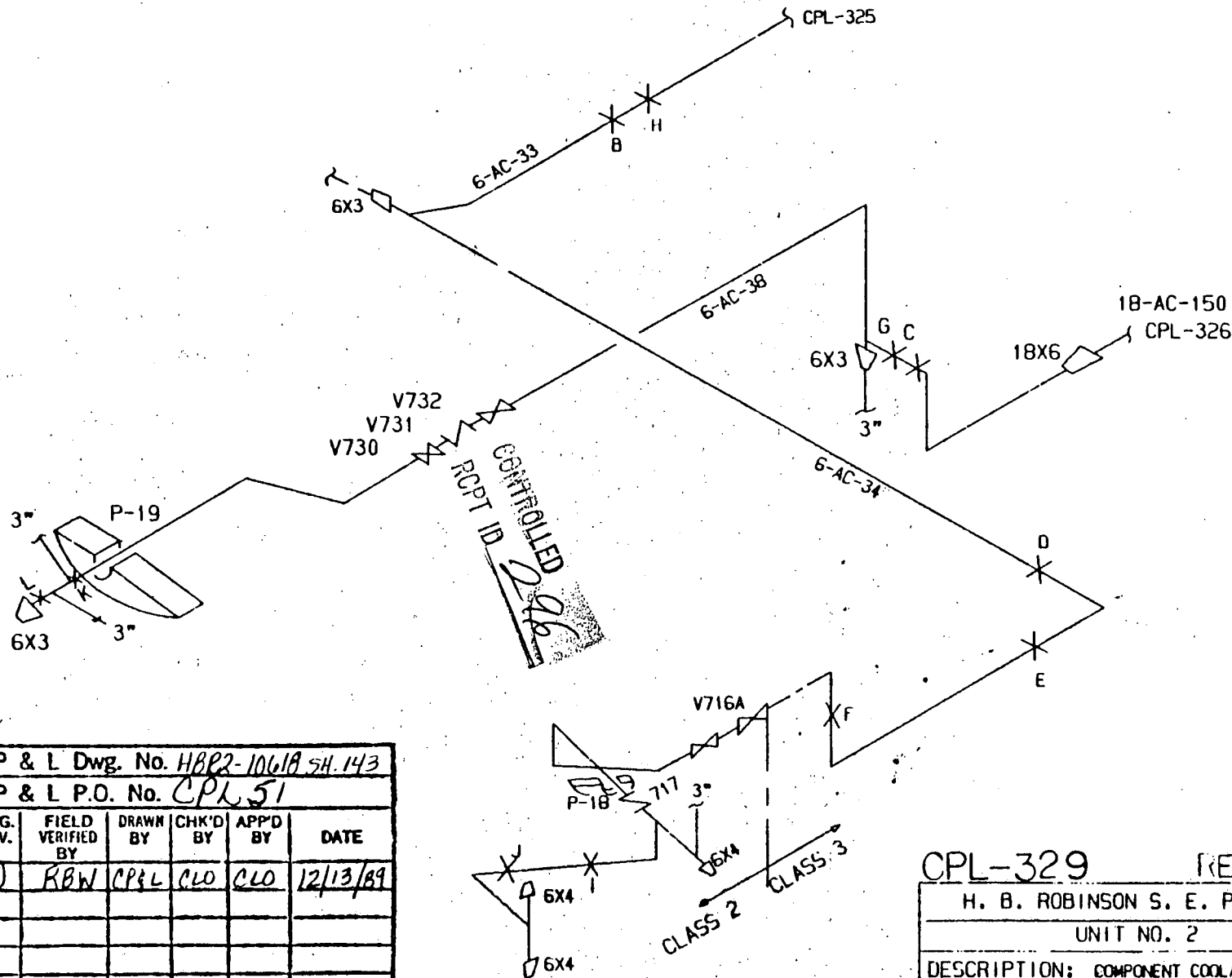
REVIEWED BY: Richard B. Weber 5/8/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Halladay

DATE: 5-13-92





CP & L Dwg. No. HBR2-10618 SH. 143					
CP & L P.O. No. CPL 51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	CP&L	CLO	CLO	12/13/89

CPL-329		REV. 1.0
H. B. ROBINSON S. E. PLANT		
UNIT NO. 2		
DESCRIPTION: COMPONENT COOLANT SYSTEM		
LINE NO. 6-AC-38	CPL- 329	REV. 1

C  
P  
&  
L

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-132

WR&A # NA

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 329 B</u>
-------------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL 329 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP 1097 GRO 4/092  
NEEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input checked="" type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH FOR GAPS
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>NA</u>			
SNUBBER	ACTUAL: <u>NA</u>		STROKE: <u>NA</u>	S/N <u>NA</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edward R. Donovan LEVEL: II DATE: 4-10-92

REVIEWER: Carl P. ... LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

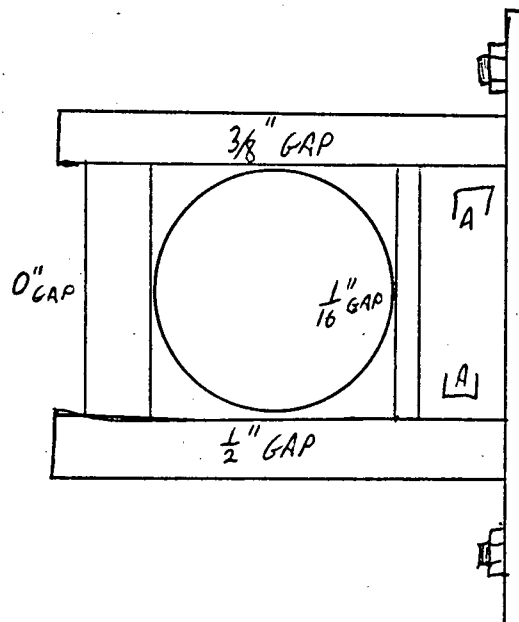
REVIEWERS COMMENTS:

ANII REVIEW: R. Valladane DATE: 4-17-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-132EXAM ITEM CPL-329-BISO DWG. NO. CPL 329 REV. 0

## SKETCH SHEET



SECTION  
CUT SECTION OF  
I BEAM WELDED  
IN PLACE  
TO BASE  
PLATE &  
TUBE STEEL

EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER Carl P. [unclear]  
REVIEWER Richard B. [unclear]  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/14/92  
DATE \_\_\_\_\_

DATE 4-10-92  
DATE NA  
DATE 4-14-92

4/14

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-133

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-329-D</u>
-------------------------------------	--------------------------------------	---------------------------------------

DWG./LOC.: CPL-329 REV 0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP 1097 ERO 4-10-92  
NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:


DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N: <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-10-92

REVIEWER: Art Purnum  LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard D. Weber 4/14/92

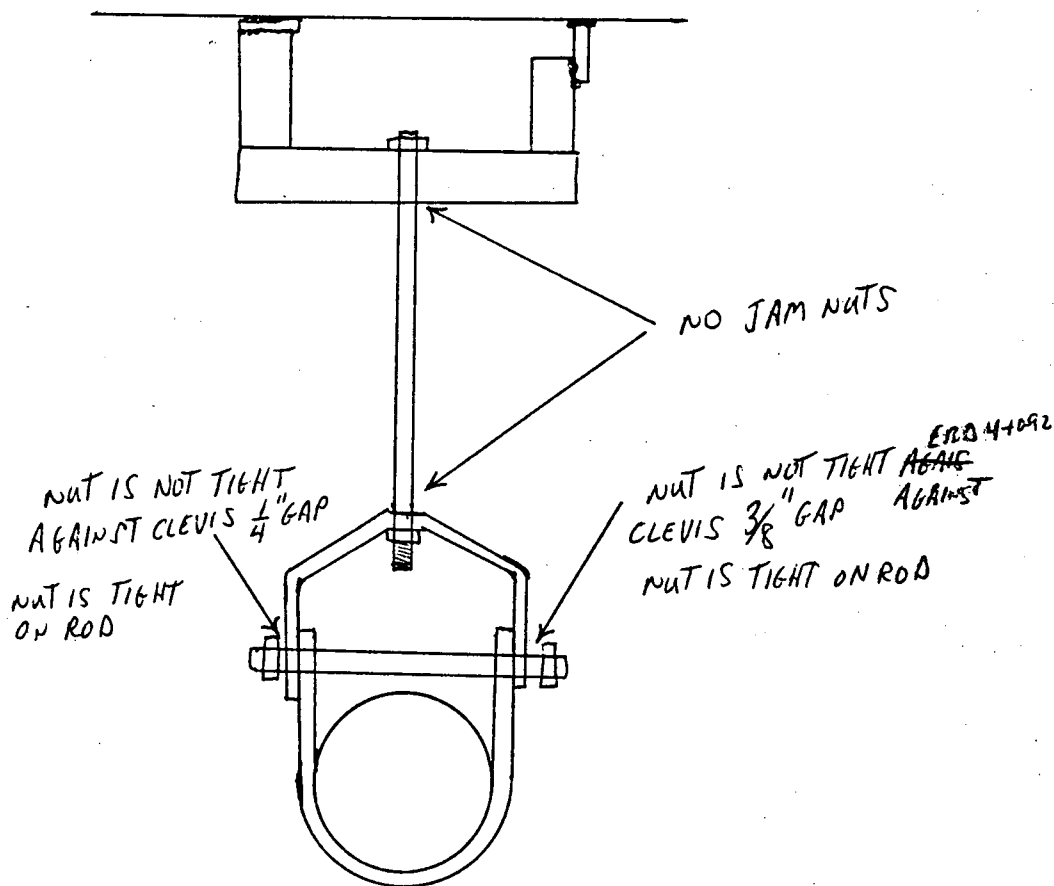
REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4.17-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-133EXAM ITEM CPL-329-0ISO DWG. NO. CPL 329 REV. 0

## SKETCH SHEET



EXAMINER Edmund P. Darrow

EXAMINER N/A

REVIEWER Cliff R. Rumm

REVIEWER Richard B. Weber

REVIEWER DM

LEVEL II

LEVEL N/A

LEVEL II

DATE 4/14/92

DATE \_\_\_\_\_

DATE 4-10-92

DATE N/A

DATE 4-14-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1092-223

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-329-A</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-329 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP1097 ERD 5-8-92  
NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <span style="margin-left: 20px;"><input type="checkbox"/> MIRROR</span> <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <span style="margin-left: 20px;"><input type="checkbox"/> CONSTANT SUPPORT</span> <input type="checkbox"/> MECHANICAL SNUBBER <span style="margin-left: 20px;"><input type="checkbox"/> VARIABLE SUPPORT</span> <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;">N A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS  
RE-EXAM AFTER REPAIR WR/JO 92-AEZF1

EXAMINER: Edward R. Donovan LEVEL: II DATE: 5-8-92

REVIEWER: Art P... LEVEL: II DATE: 5-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Walladanes DATE: 5-12-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-134

WR&A # N/A

PAGE 1 OF 2

PLANT:	UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI
SYSTEM:	COMPONENT NAME: ROD HANGER COMPONENT ID NO.: CPL-329-E
COMPONENT COOLANT	

DWG./LOC.: CPL 329 REV-0 / PIPE ALLEY

[X] VT-3 PROCEDURE: SP 1097 ERO 4-10-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
[X] FLASHLIGHT [X] MIRROR	[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT
[ ] OTHER	[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT
	[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	X			SEE ATTACHED SKETCH
MISALIGNMENT		X		
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY	X			SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	X			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS		X		
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A			STROKE: N/A S/N N/A

COMMENTS: RECORDABLE INDICATION

EXAMINER: Edmund R Donovan LEVEL: II DATE: 4-10-92

REVIEWER: Curt Purnell LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

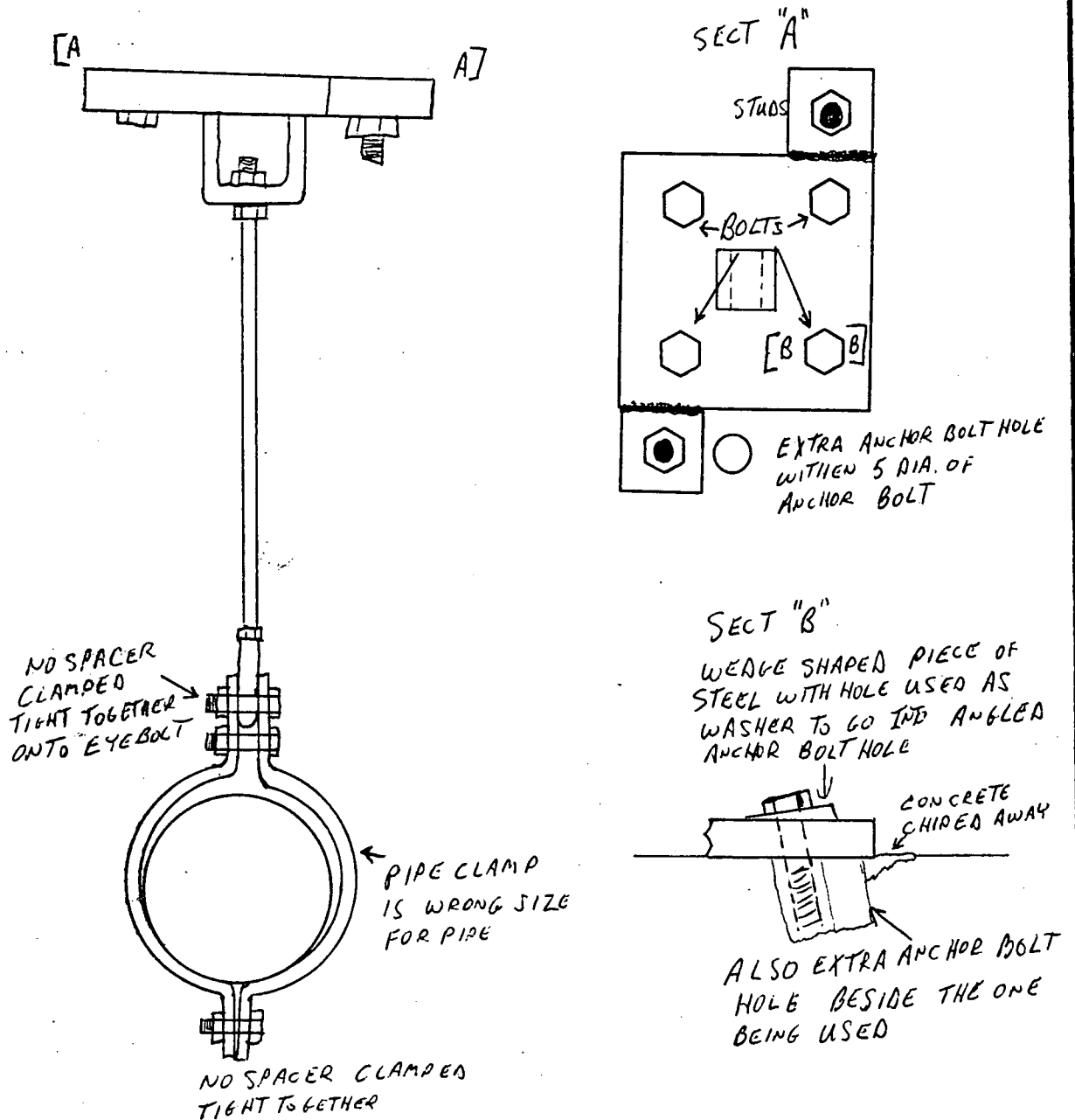
REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares DATE: 4-17-92

# 105

PAGE 2 OF 2DATA SHEET NO. 1097-739EXAM ITEM CPL-329-EISO DWG. NO. CPL 329 REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Donovan

EXAMINER NA

REVIEWER Carl P. Pinner

REVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL II

LEVEL NA

LEVEL II

DATE 4/14/92

DATE \_\_\_\_\_

DATE 4-10-92

DATE NA

DATE 4-14-92

QAC





Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-135

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-329-H</u>
-------------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL-329 REV-0 PIPE ALLEY

☒ VT-3 PROCEDURE: SP-1097 ERA 4-10-92 NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div>NA</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edward R. Downum LEVEL: II DATE: 4-10-92

REVIEWER: Art Pinner APD LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Valladares DATE: 4-17-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-236

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-329-I</u>
-------------------------------------	--------------------------------------	---------------------------------------

DWG./LOC.: CPL-329 REV-0 / CONTAINMENT

☒ VT-3 PROCEDURE: SP 1097 ERO 42992  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input checked="" type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
MISALIGNMENT	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u> SIN <u>N/A</u>	

COMMENTS: RECORDABLE INDICATIONS PIPE WAS INSULATED  
EXPANDED SCOPE

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-29-92

REVIEWER: Art Pennington LEVEL: II DATE: 4-29-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/30/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 5-1-92

# 1125

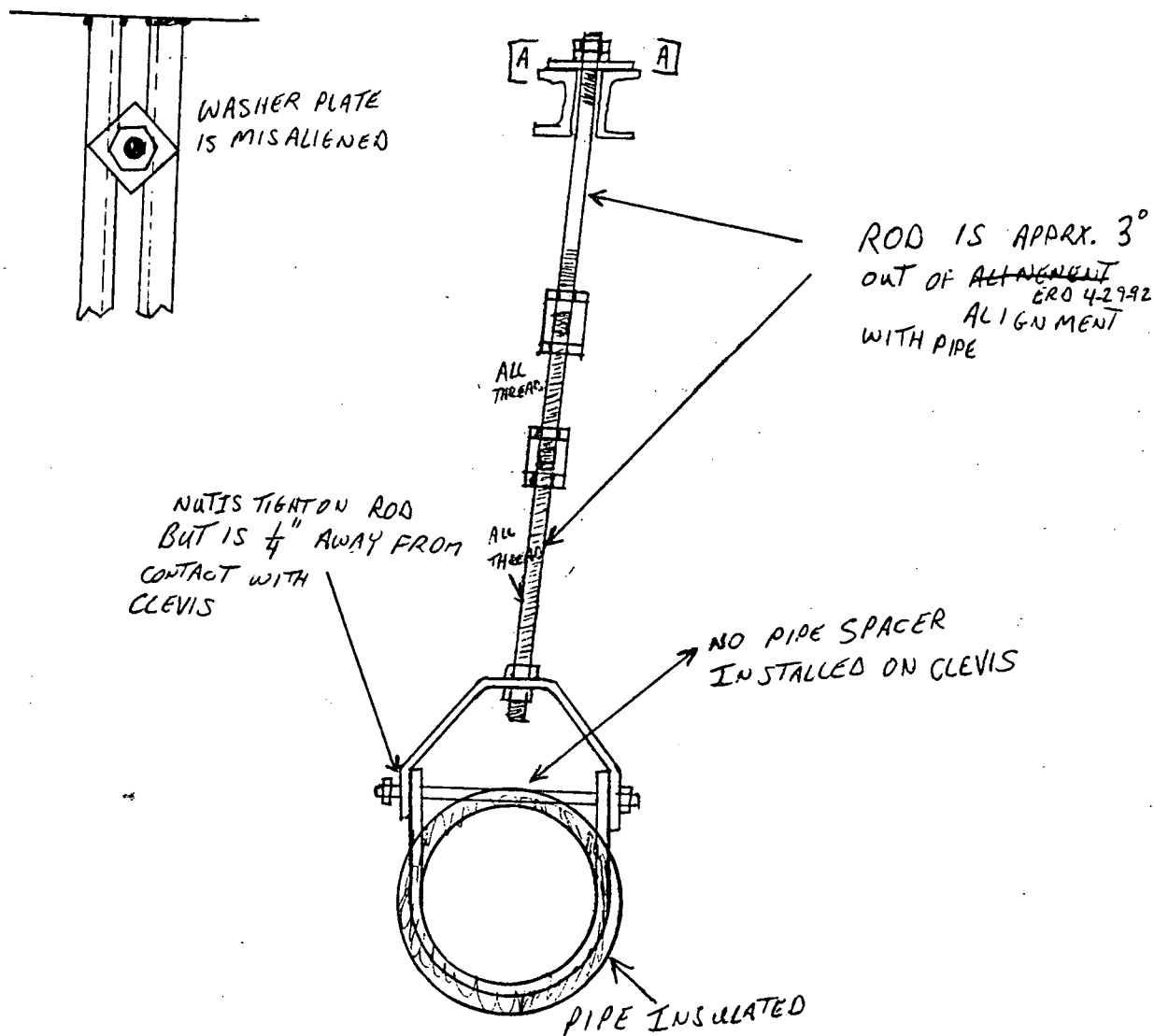
PAGE 2 OF 2

DATA SHEET NO. 1097-236

EXAM ITEM CPL-329-I

ISO DWG. NO. CPL-329 REV. 0

## SKETCH SHEET



EXAMINER Edward R. Darrow

EXAMINER NA

REVIEWER Richard B. Weber

REVIEWER Richard B. Weber

REVIEWER AM

LEVEL II

LEVEL NA

LEVEL II

DATE 4/30/92

DATE \_\_\_\_\_

DATE 4-29-92

DATE NA

DATE 4-29-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-237

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

COMPONENT COOLANT

COMPONENT

NAME: ROD HANGER

COMPONENT

ID NO.: CPL-329-K

DWG./LOC.: CPL-329 REV-0 / CONTAINMENT

☒ VT-3 PROCEDURE: SP 1097 ERO 4-29-92 NDP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO:

☒ N/A

EQUIPMENT USED:

☒ FLASHLIGHT ☒ MIRROR

☐ OTHER

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION  
Present

YES NO N/A

COMMENTS

FASTENING DEVICES

☒

SEE ATTACHED SKETCH

MISALIGNMENT

☒

SEE ATTACHED SKETCH

DEBRIS

☒

CORROSION/EROSION

☒

STRUCTURAL INTEGRITY

☒

SEE ATTACHED SKETCH

RESISTANCE TO MOVEMENT

☒

CLEARANCES OF MOVING PARTS

☒

ARC STRIKES/GOUGES

☒

VARIABLE/CONSTANT SUPPORT

ACTUAL: N/A

SNUBBER

ACTUAL: N/A

STROKE: N/A

SIN N/A

COMMENTS: RECORDABLE INDICATIONS

PIPE WAS INSULATED

EXPANDED SCOPE

EXAMINER:

Edmund L. Donovan

LEVEL: II

DATE: 4-29-92

REVIEWER:

Art Pinner

LEVEL: II

DATE: 4-29-92

COMPONENT CONDITION:

☐ SATISFACTORY

☐ UNSATISFACTORY

REVIEWED BY:

Richard B. Weber 4/30/92

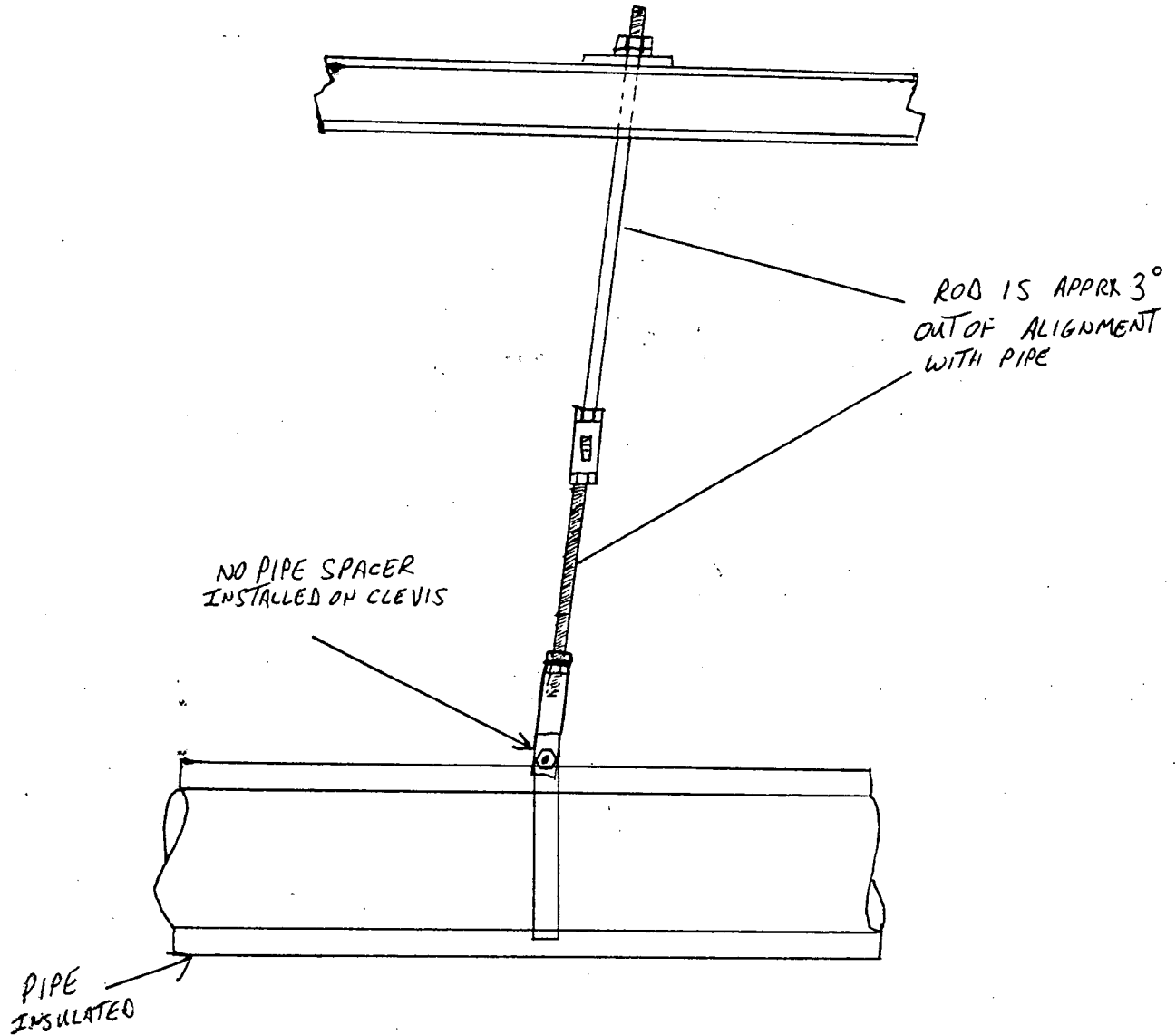
REVIEWERS COMMENTS:

ANII REVIEW:

R. Valladares

DATE: 5-1-92

## SKETCH SHEET



EXAMINER Edmund E. Donovan

EXAMINER NA

REVIEWER Art Pinnaman

REVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL II

LEVEL NA

LEVEL II

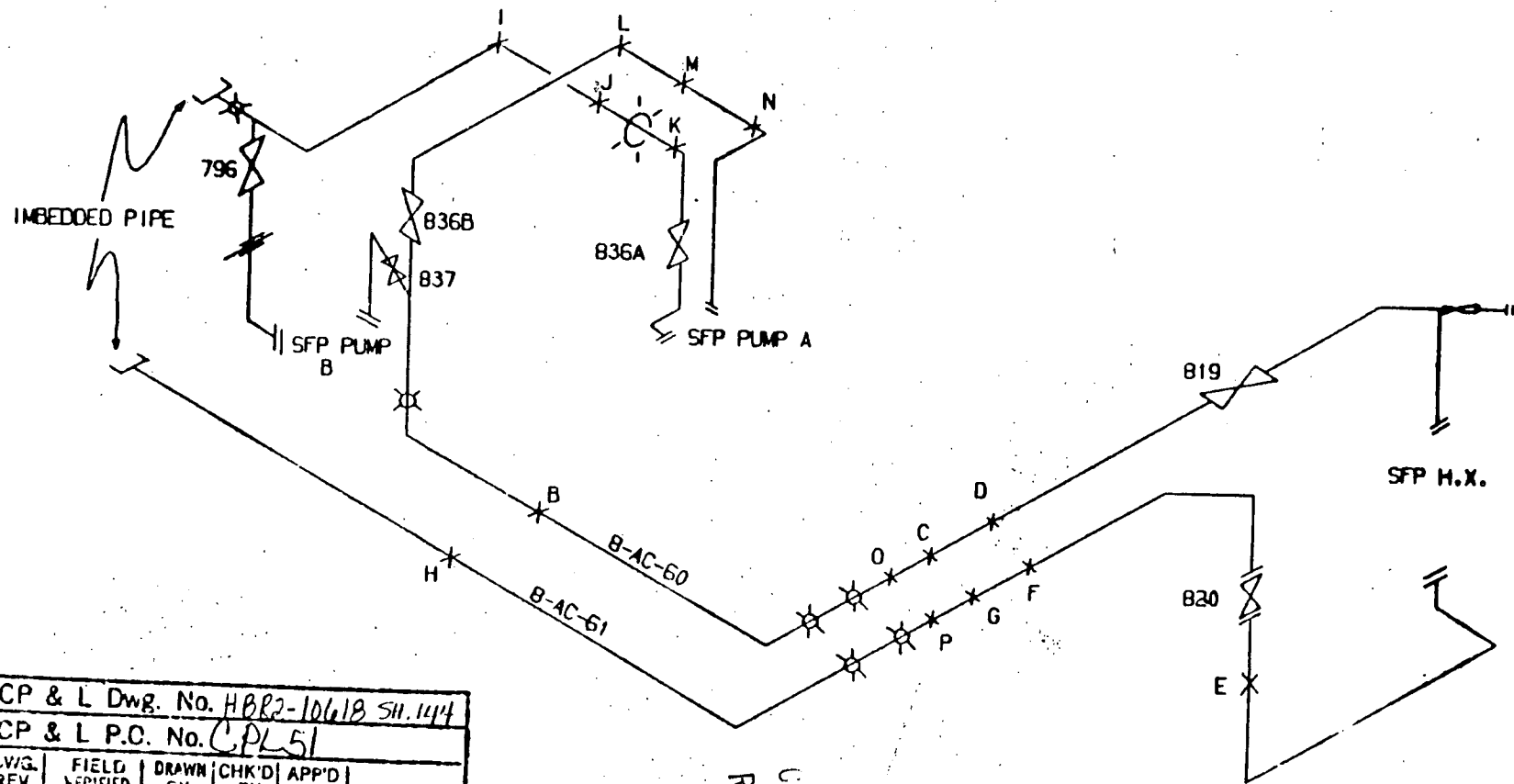
DATE 4/30/92

DATE \_\_\_\_\_

DATE 4-29-92

DATE NA

DATE 4-29-92



CP & L Dwg. No. HBR2-10618 SH.144					
CP & L P.C. No. CPL51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	CPL	CLO	CLO	12/13/99

CONTROLLED  
RCPT ID 296

CPL-330	REV. 0
H. B. ROBINSON S. E. PLANT	
UNIT NO. 2	
DESCRIPTION: SPENT FUEL PIT COOLANT SYS.	

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-68

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SFP COOLANT</u>	COMPONENT NAME: <u>BOX RESTRAINT</u>	COMPONENT ID NO.: <u>CPL 330 -E</u>
-------------------------------	---	--

DWG./LOC.: CPL 330 REV-0 / SFP HX ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4-7-92 ~~NDEP-613~~ REV.: 0      ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH FOR GAPS</u>
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: N/A RECORDABLE INDICATION  
ERO 4892

EXAMINER: Edward R. Donovan LEVEL: II DATE: 4-7-92

REVIEWER: Art Pinner AN LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: ☐ SATISFACTORY      ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

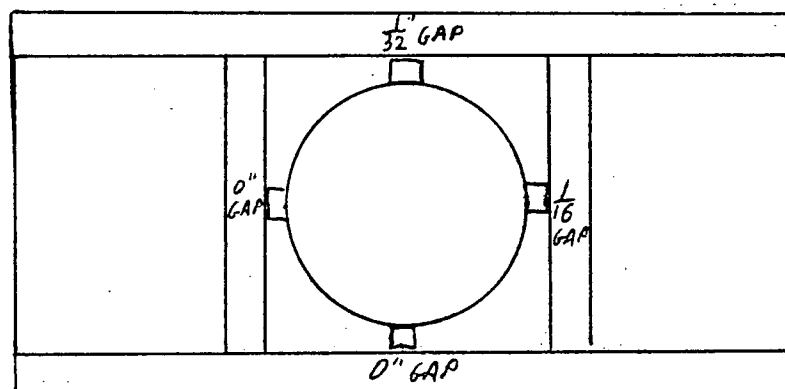
REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares DATE: 4-10-92

# 1105

PAGE 2 OF 2DATA SHEET NO. 1047-68EXAM ITEM <sup>ERO</sup>4-292 CPL 330 R CPL 330-EISO DWG. NO. CPL 330 REV. 0

## SKETCH SHEET



EXAMINER

Edmund R. Donovan

EXAMINER

N/A

REVIEWER

Cliff Pinner

REVIEWER

Richard B. Weber

REVIEWER

LEVEL

II

LEVEL

N/A

LEVEL

II

DATE

4/10/92

DATE

DATE

4-7-92

DATE

N/A

DATE

4-9-92(CVA)



**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1092-69

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: SFP COOLANT COMPONENT NAME: SUPPORT LUGS COMPONENT ID NO.: CPL-330-E-W5

DWG./LOC.: CPL-330 REY-0 / SFP HX ROOM

[X] VT-3 PROCEDURE: <sup>SP 1097 ERD 4-7-92</sup> ~~WSEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER  
TYPE OF COMPONENT SUPPORT:  
[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<u>X</u>	<u>N</u> <u>A</u>
MISALIGNMENT		<u>X</u>		
DEBRIS		<u>X</u>		
CORROSION/EROSION		<u>X</u>		
STRUCTURAL INTEGRITY		<u>X</u>		
RESISTANCE TO MOVEMENT			<u>X</u>	
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: LUGS ARE NOT WELD ALL AROUND  
4 LUGS NO RECORDABLE INDICATIONS

EXAMINER: Edward R. Donnan LEVEL: II DATE: 4-7-92

REVIEWER: Art Purnum (AP) LEVEL: III DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares DATE: 4-10-92

# CP&L

Carolina Power & Light Company

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-70

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: SFP COOLANT COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-330 F

DWG./LOC.: CPL 330 REV-0 / SFP HX ROOM

☒ VT-3 PROCEDURE: SP 1097 ERD 4-7-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR  
☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT:  
☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ERD 4-7-92 SEE ATTACHED SKETCH
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: N/A RECORDABLE INDICATIONS  
ERD 4-8-92

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-7-92

REVIEWER: Art Puma LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

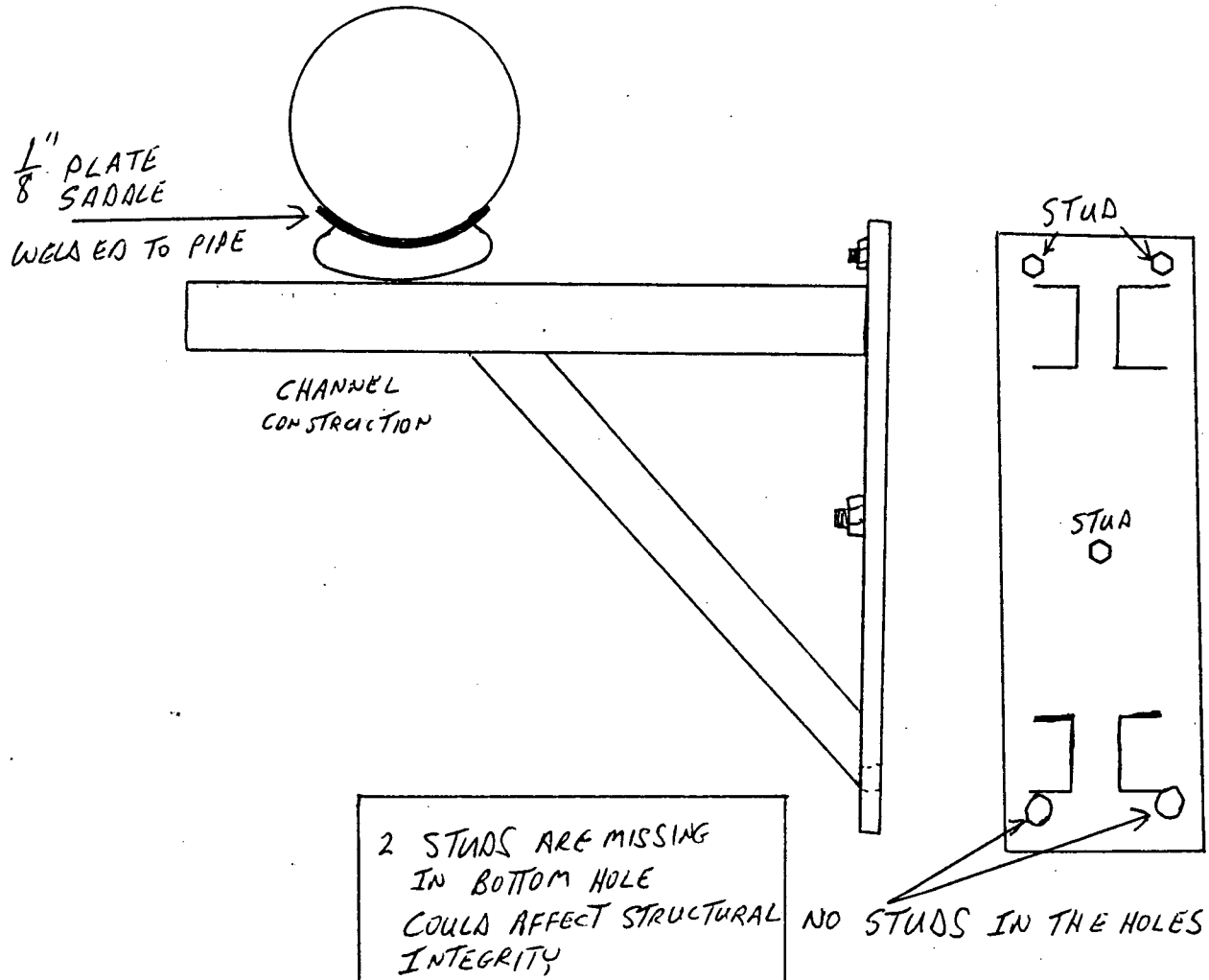
ANII REVIEW: AP Villalobos

DATE: 4.10.92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-70EXAM ITEM CPL-330-FISO DWG. NO. CPL-330REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER Art Pannan  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-7-92  
DATE NA  
DATE 4-9-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-71

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SFP COOLANT</u>	COMPONENT NAME: <u>SUPPORT SADDLE</u>	COMPONENT ID NO.: <u>CPL-330-WS-F</u>
-------------------------------	--	--

DWG./LOC.: CPL-330 REV-0 / SFP HX ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 4-7-92 WBEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: <u>[X]</u> FLASHLIGHT <u>[X]</u> MIRROR <u>[ ]</u> OTHER _____	TYPE OF COMPONENT SUPPORT: <u>[ ]</u> HYDRAULIC SNUBBER <u>[ ]</u> CONSTANT SUPPORT <u>[ ]</u> MECHANICAL SNUBBER <u>[ ]</u> VARIABLE SUPPORT <u>[X]</u> SUPPORT/HANGER
--	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<u>X</u>	
MISALIGNMENT		<u>X</u>		
DEBRIS		<u>X</u>		<u>N</u>
CORROSION/EROSION		<u>X</u>		<u>A</u>
STRUCTURAL INTEGRITY		<u>X</u>		
RESISTANCE TO MOVEMENT			<u>X</u>	
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: SEE ATTACHED SKETCH FOR CONFIGURATION OF INTEGRAL ATTACHMENT WELD  
NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-7-92

REVIEWER: Art Purnum AP LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares

DATE: 4-10-92

1125

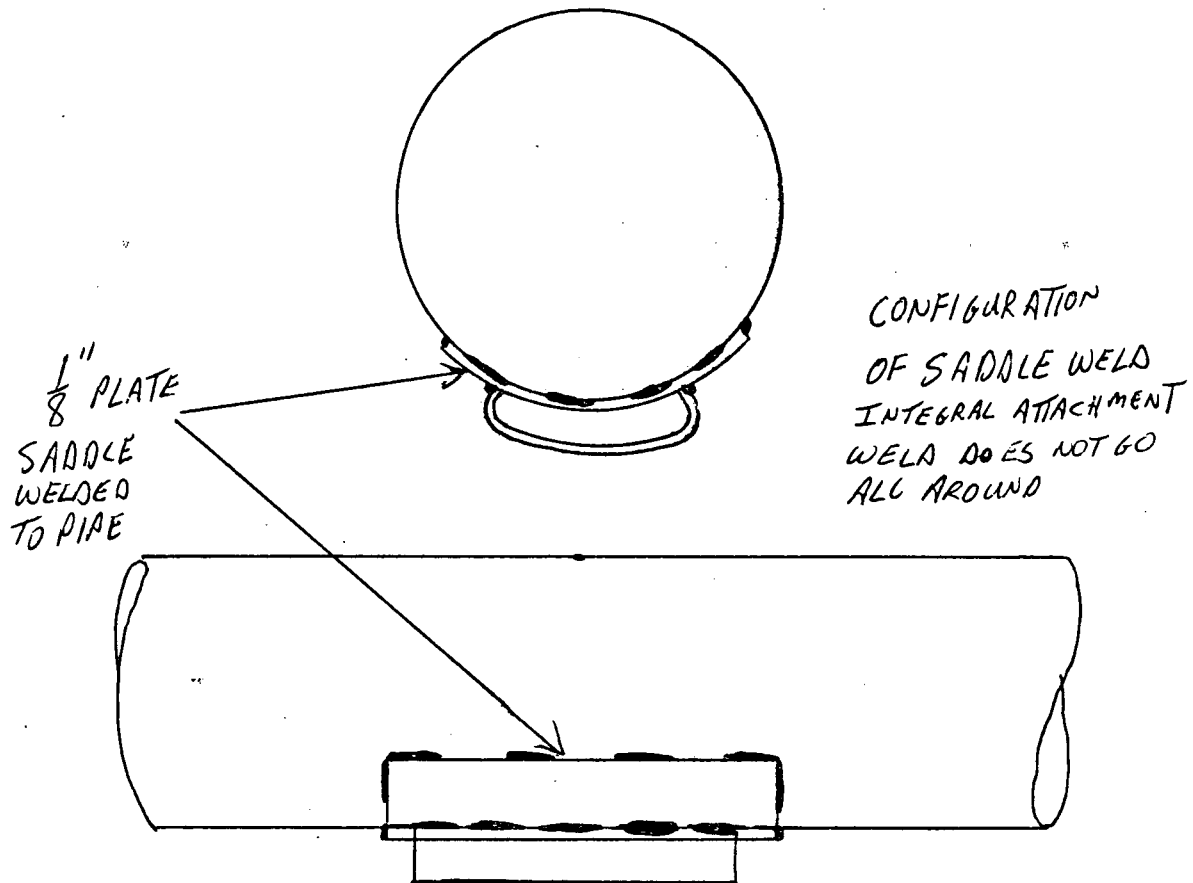
PAGE 2 OF 2

DATA SHEET NO. 6097-71

EXAM ITEM CPL-330-WS-F

ISO DWG. NO. CPL 330 REV. 0

SKETCH SHEET



EXAMINER Edmund L. Dancer  
EXAMINER NA  
REVIEWER Art Purnan  
REVIEWER Richard B. Gabor  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-7-92  
DATE NA  
DATE 4-9-92

dm

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-72

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SFP COOLANT</u>	COMPONENT NAME: <u>BOX RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-330-6</u>
-------------------------------	---	---------------------------------------

DWG./LOC.: CPL 330 REV-0 / SPF HX ROOM

[X] VT-3 PROCEDURE: SP 1097 ERD 4-7-92 ~~WEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: <u>[X] FLASHLIGHT</u> <u>[X] MIRROR</u> <u>[X] OTHER</u> <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <u>[ ]</u> HYDRAULIC SNUBBER <u>[ ]</u> CONSTANT SUPPORT <u>[ ]</u> MECHANICAL SNUBBER <u>[ ]</u> VARIABLE SUPPORT <u>[X]</u> SUPPORT/HANGER
--	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>X</u>		
MISALIGNMENT		<u>X</u>		
DEBRIS		<u>X</u>		
CORROSION/EROSION		<u>X</u>		
STRUCTURAL INTEGRITY		<u>X</u>		
RESISTANCE TO MOVEMENT	<u>X</u>			<u>SEE ATTACHED SKETCH FOR GAPS</u>
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edward R. Downum LEVEL: II DATE: 4-7-92

REVIEWER: Art Purnum DP LEVEL: II DATE: 4-8-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

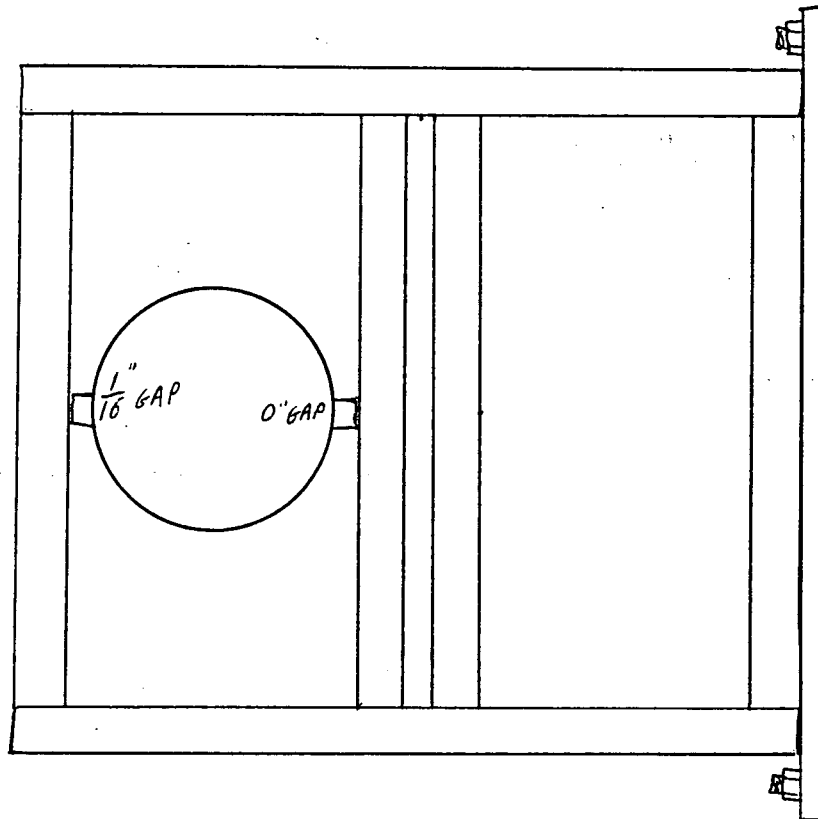
REVIEWERS COMMENTS:

ANII REVIEW: AP Molladars DATE: 4-10-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-72EXAM ITEM CPL-330-6ISO DWG. NO. CPL 330 REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Darow  
EXAMINER NA  
REVIEWER Art Pinnick  
REVIEWER Richard B. Weber  
REVIEWER AN

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-7-92  
DATE NA  
DATE 4-9-92



Carolina Power &amp; Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-74

WR&amp;A # N/A

PAGE 1 OF 1

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM:  
SFP COOLANTCOMPONENT  
NAME: SUPPORT LUGSCOMPONENT  
ID NO.: CPL 330-WS-6

DWG./LOC.: CPL-330 REV-0 / SFP HX ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 4-7-92  
NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X]

VIDEO RECORDING NO:

[X] N/A

EQUIPMENT USED:

[X] FLASHLIGHT [X] MIRROR  
[ ] OTHER

TYPE OF COMPONENT SUPPORT:

[ ] HYDRAULIC SNUBBER  
[ ] MECHANICAL SNUBBER  
[X] SUPPORT/HANGER[ ] CONSTANT SUPPORT  
[ ] VARIABLE SUPPORT

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	
MISALIGNMENT		X	X	ERO 4-8-92
DEBRIS		X		
CORROSION/EROSION		X		N
STRUCTURAL INTEGRITY		X		A
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A			STROKE: N/A S/N N/A

COMMENTS: 2 LUGS, LUGS ARE NOT WELDED ALL AROUND  
NO RECORDABLE INDICATIONS

EXAMINER: Edward R. Dawson

LEVEL: II

DATE: 4-7-92

REVIEWER: Art Pinner

②

LEVEL: II

DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY

[ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares

DATE: 4-10-92





Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-136

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM:  
SFP COOLANT

COMPONENT  
NAME: SUPPORT

COMPONENT  
ID NO.: CPL-330-I

DWG./LOC.: CPL 330 REV-0 / SFP PUMP ROOM "A"

☒ VT-3 PROCEDURE: SP 1097 ERO 4-11-92  
NOEP-613 REV.: 0

☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO:

☒ N/A

EQUIPMENT USED:

☒ FLASHLIGHT ☒ MIRROR  
☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div>N</div> <div>A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edward R. Donovan

LEVEL: II

DATE: 4-11-92

REVIEWER: Curt R. ... AM

LEVEL: II

DATE: 4-14-92

COMPONENT CONDITION: ☐ SATISFACTORY

☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares

DATE: 4-17-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-73

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SFP COOLANT</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-330-P</u>
-------------------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL-330 REV. 0 / SFP HY ROOM

[X] VT-3 PROCEDURE: SP 1097 ERA 4-7-92  
NOEP 613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT <u>[X]</u> REMOTE <u>[X]</u>	VIDEO RECORDING NO: <u>[X] N/A</u>
EQUIPMENT USED: <u>[X]</u> FLASHLIGHT <u>[X]</u> MIRROR <u>[ ]</u> OTHER _____	TYPE OF COMPONENT SUPPORT: <u>[ ]</u> HYDRAULIC SNUBBER <u>[ ]</u> CONSTANT SUPPORT <u>[ ]</u> MECHANICAL SNUBBER <u>[ ]</u> VARIABLE SUPPORT <u>[X]</u> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>[X]</u>		<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;">N A</div>
MISALIGNMENT		<u>[X]</u>		
DEBRIS		<u>[X]</u>		
CORROSION/EROSION		<u>[X]</u>		
STRUCTURAL INTEGRITY		<u>[X]</u>		
RESISTANCE TO MOVEMENT		<u>[X]</u>		
CLEARANCES OF MOVING PARTS			<u>[X]</u>	
ARC STRIKES/GOUGES		<u>[X]</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: N/A NO RECORDABLE INDICATIONS  
ERA 4-8-92

EXAMINER: Edward L. Dawson LEVEL: II DATE: 4-7-92

REVIEWER: W. H. Heman LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares

DATE: 4-10-92

**CP&L**  
 Carolina Power & Light Company  
 VISUAL EXAMINATION  
 DATA SHEET

REPORT NO. 1097-75

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: SFP COOLANT COMPONENT NAME: SUPPORT SADDLE COMPONENT ID NO.: CPL-330-WS-P

DWG./LOC.: CPL 330 REV-0 / SFP HX ROOM

[X] VT-3 PROCEDURE: SP 1097 BRD 4-7-92 NDP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR TYPE OF COMPONENT SUPPORT:  
[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<u>X</u>	<u>N/A</u>
MISALIGNMENT		<u>X</u>		
DEBRIS		<u>X</u>		
CORROSION/EROSION		<u>X</u>		
STRUCTURAL INTEGRITY		<u>X</u>		
RESISTANCE TO MOVEMENT			<u>X</u>	
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: SEE ATTACHED SKETCH FOR CONFIGURATION  
OF INTEGRAL ATTACHMENT WELD NO RECORDABLE INDICATIONS

EXAMINER: Edward L. Donovan LEVEL: II DATE: 4-7-92

REVIEWER: Art Pinner LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

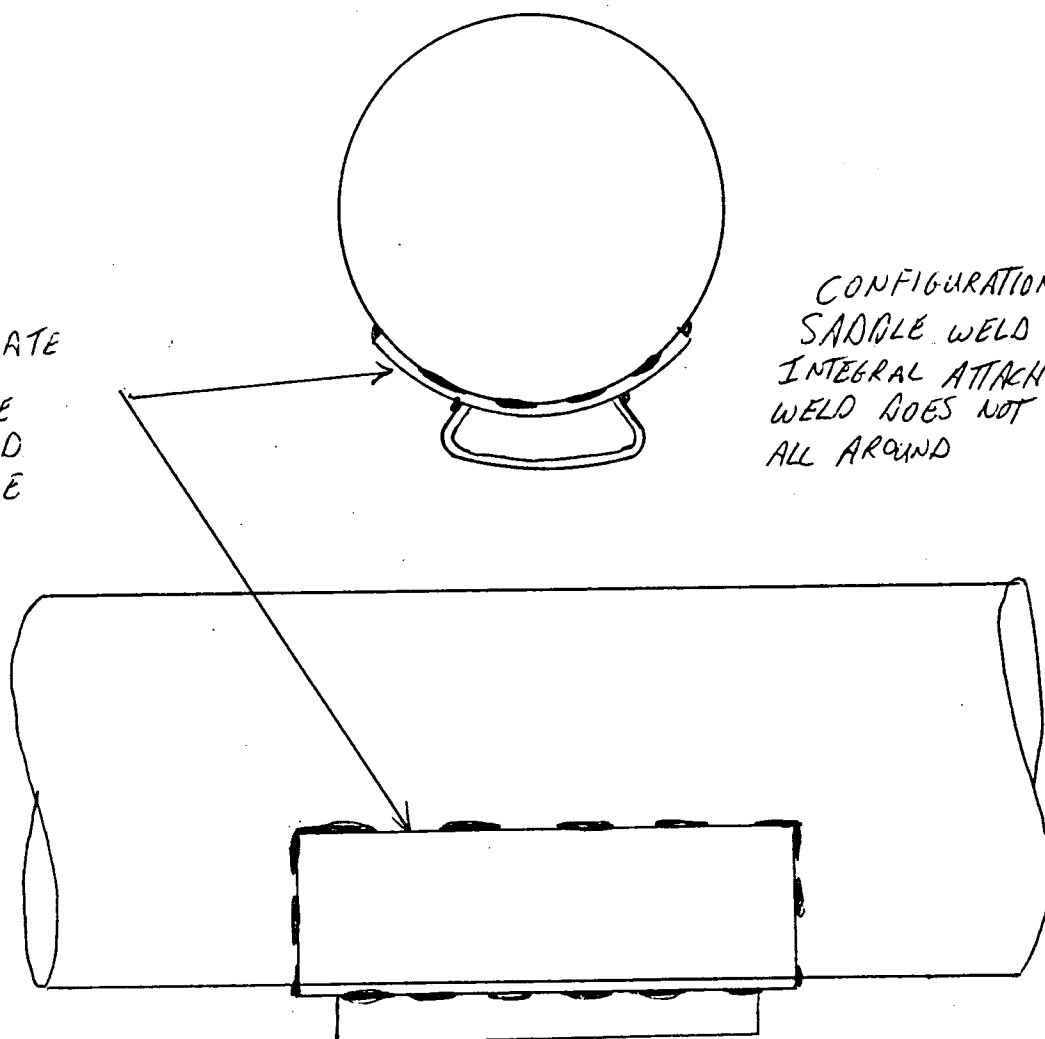
ANII REVIEW: R. Welladaus DATE: 4-10-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1092-25EXAM ITEM CPL-330-WS-PISO DWG. NO. CPL-330 REV. 0

## SKETCH SHEET

$\frac{1}{8}$ " PLATE  
SADDLE  
WELDED  
TO PIPE



CONFIGURATION OF  
SADDLE WELD  
INTEGRAL ATTACHMENT  
WELD DOES NOT GO  
ALL AROUND

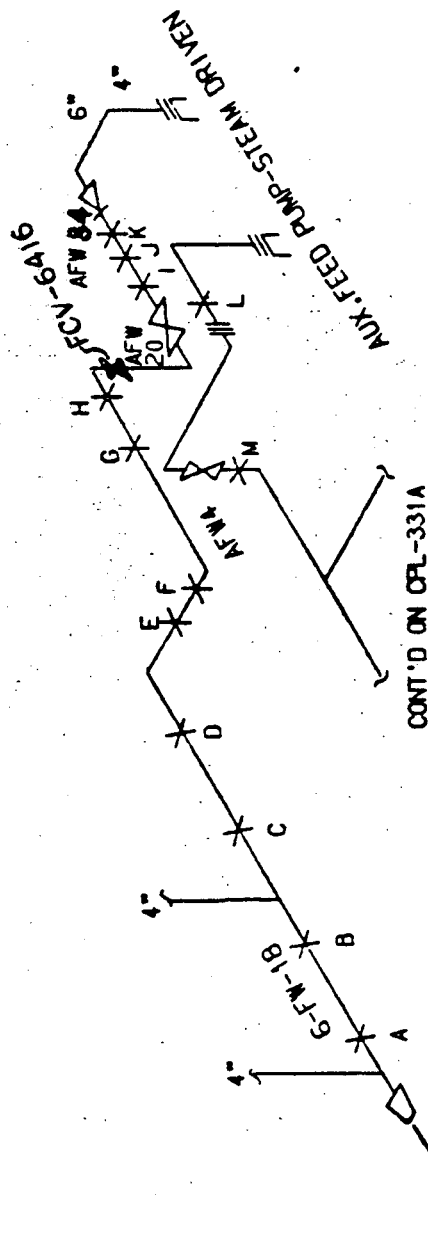
EXAMINER Richard L. Down  
EXAMINER N/A  
REVIEWER Rich P. ...  
REVIEWER Richard B. Weber  
REVIEWER Dr

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-7-92  
DATE N/A  
DATE 4-9-92

**SPRING HANGERS**  
**B,C,E,G,J**

C.P. & L DWG. No.	HBR3-10619	SH. 145			
C.P. & L P.O. No.	CPL51				
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	BW	APL	CLO	CLO	12/12/89



CONTROLLED  
RCPT ID 2

CPL-331 REV. 0

H. B. ROBINSON S. E. PLANT

UNIT NO. 2

DESCRIPTION: AUXY. FEED&CONDENSATE PIPE

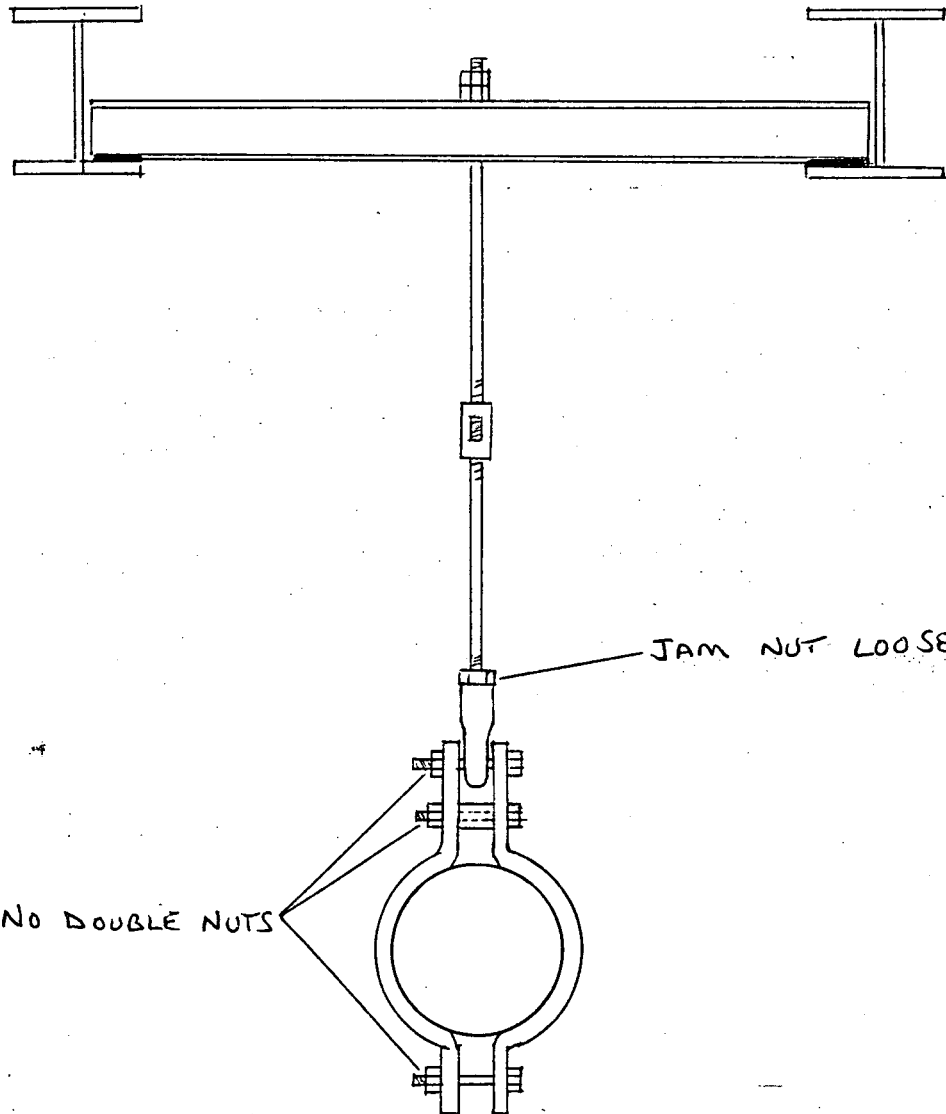
INF NO.	6-FW-18	CPI - 331	REF.
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# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-173EXAM ITEM CPL 331 - AISO DWG. NO. CPL 331 REV. 0

## SKETCH SHEET



EXAMINER Art Purnan  
EXAMINER N/A  
REVIEWER Cliff Moss  
REVIEWER Hubert B. Weber  
REVIEWER [Signature]

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/21/92  
DATE \_\_\_\_\_

DATE 4-19-92  
DATE N/A  
DATE 4-20-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-174

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 331-B</u>
--------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL 331 REV 0 / TURBINE BLDG.

[X] VT-3 PROCEDURE: <sup>SP 1097 AP4-1992</sup> ~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X]	VIDEO RECORDING NO: [X] N/A
EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		N/A
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS		AP 4-19-92 ✓	✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art P... LEVEL: II DATE: 4-19-92

REVIEWER: Chf Mass AM LEVEL: II DATE: 4-20-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

ANII REVIEW: AValladares

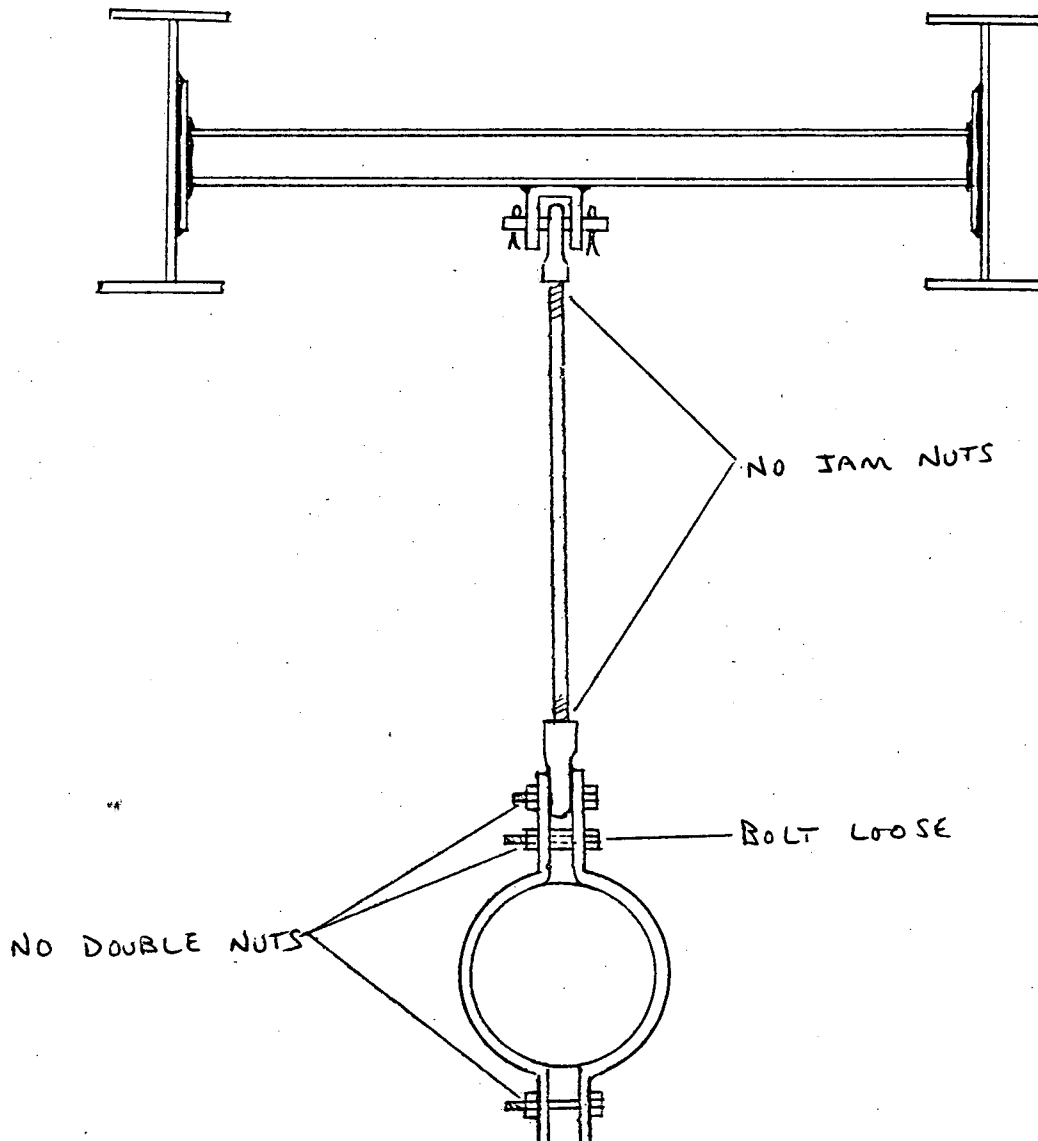
DATE: 4.23-92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-175 174 (Am) 4/2/92EXAM ITEM CPL 331-BISO DWG. NO. CPL 331 REV. 0

## SKETCH SHEET



EXAMINER

Art P...LEVEL IIDATE 4-19-92

EXAMINER

N/ALEVEL N/ADATE N/A

REVIEWER

Cliff MossLEVEL IIDATE 4-20-92

REVIEWER

Richard B. WeberDATE 4/21/92

REVIEWER

DATE



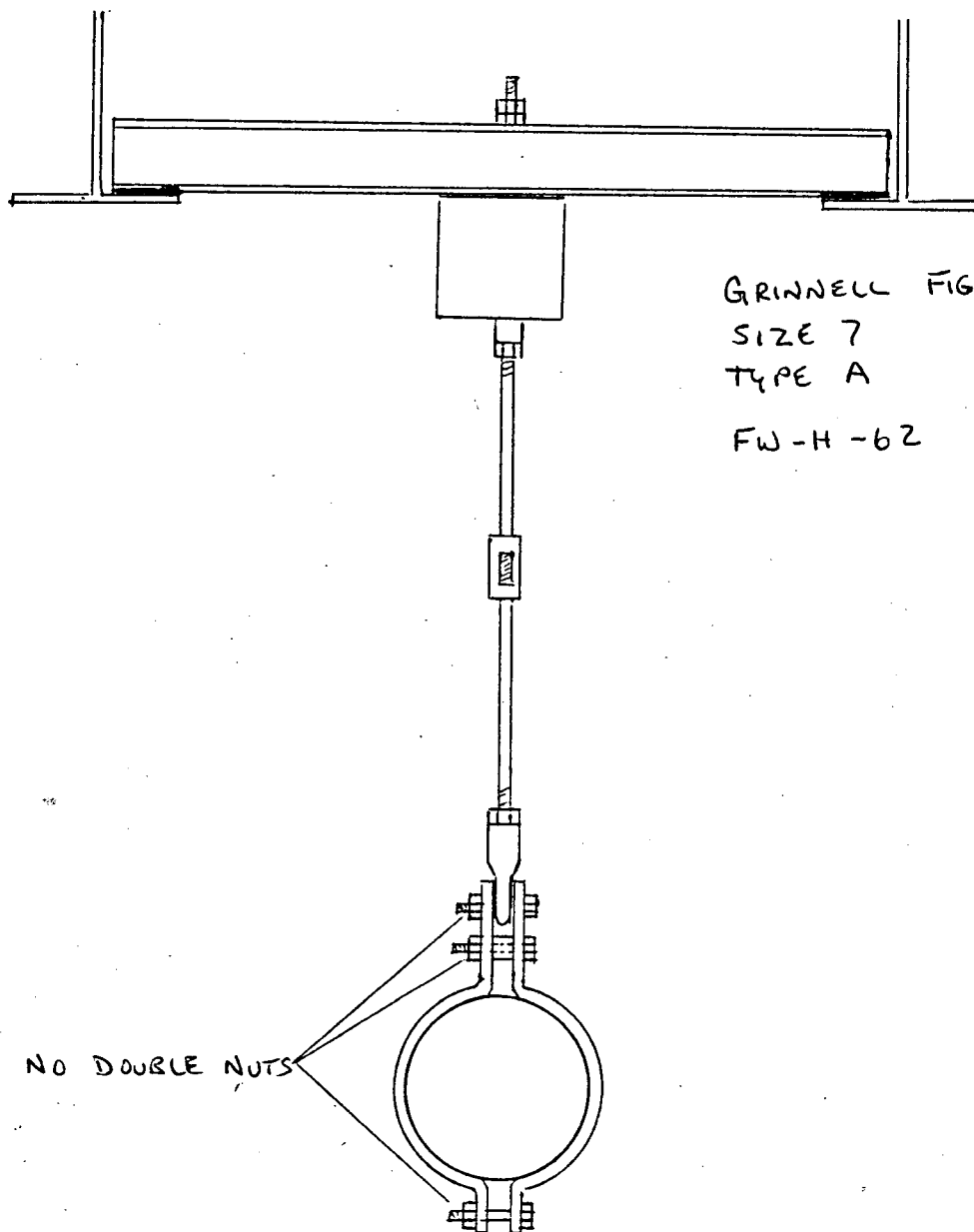
PAGE 1 OF 2

QA NDE ISI 5, Revision 5 11/88

# 1125

PAGE 2 OF 2DATA SHEET NO. 1077-175EXAM ITEM CPL 331-CISO DWG. NO. CPL 331 REV. 0

## SKETCH SHEET



GRINNELL FIG. 82

SIZE 7

TYPE A

FW-H-62

NO DOUBLE NUTS

EXAMINER Art PurnanEXAMINER N/AREVIEWER Cliff MossREVIEWER William B. Weber

REVIEWER \_\_\_\_\_

LEVEL IILEVEL N/ALEVEL IIDATE 4/21/92

DATE \_\_\_\_\_

DATE 4-19-92DATE N/ADATE 4-20-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-181

WR&A # N/A

PAGE 1 OF 1

PLANT: H.B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 331-D</u>
--------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL 331 REV 0 / TURBINE BLDG.

[X] VT-3 PROCEDURE: <sup>SP 1097 AP 4-20-92</sup> ~~NDEP 613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Cert. P. [Signature] LEVEL: II DATE: 4-20-92

REVIEWER: Chf. Moss LEVEL: II DATE: 4-20-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

ANII REVIEW: [Signature] DATE: 4.21.92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-180

WR&A # N/A

PAGE 1 OF 1

PLANT: H. B. ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>INTEGRAL ATTACHMENT</u>	COMPONENT ID NO.: <u>CPL 331-D-WS</u>
--------------------	--	---------------------------------------

DWG./LOC.: CPL 331 REV 0 / TURBINE BLDG.

[x] VT-3 PROCEDURE: SP1097 AM 4-20-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [x] REMOTE [x] VIDEO RECORDING NO: [x] N/A

EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
[x] FLASHLIGHT [x] MIRROR	[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT
[ ] OTHER	[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT
	[x] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Curt Pannace LEVEL: II DATE: 4-20-92

REVIEWER: Cliff Moss LEVEL: II DATE: 4-20-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Villalobos DATE: 4-21-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-129

WR&A # N/A

PAGE 1 OF 1

PLANT: H. B. ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 331-F</u>
--------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL 331 REV 0 / TURBINE BLDG.

[x] VT-3 PROCEDURE: <sup>SP 1097 AP 4-20-92</sup> ~~NOEP 613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT [x] REMOTE [x] VIDEO RECORDING NO: [x] N/A

EQUIPMENT USED: [x] FLASHLIGHT [x] MIRROR [x] OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [x] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT		✓		
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: [Signature] LEVEL: II DATE: 4-20-92

REVIEWER: [Signature] LEVEL: II DATE: 4-20-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

ANII REVIEW: [Signature] DATE: 4-21-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 109778Y

WR&A # N/A

PAGE 1 OF 1

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>INTEGRAL ATTACHMENT</u>	COMPONENT ID NO.: <u>CPL 331-F-WS</u>
--------------------	--	---------------------------------------

DWG./LOC.: CPL 331 REV 0 / TURBINE BLDG.

[X] VT-3 PROCEDURE: <sup>SP1047 AP4-20-92</sup> NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER <u></u>	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	N/A
MISALIGNMENT			✓	
DEBRIS			✓	
CORROSION/EROSION			✓	
STRUCTURAL INTEGRITY			✓	
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES			✓	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: AN INTEGRAL ATTACHMENT DOES NOT EXIST AT THIS LOCATION.

EXAMINER: Cat Purnan LEVEL: II DATE: 4-20-92

REVIEWER: Edward R Donovan LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

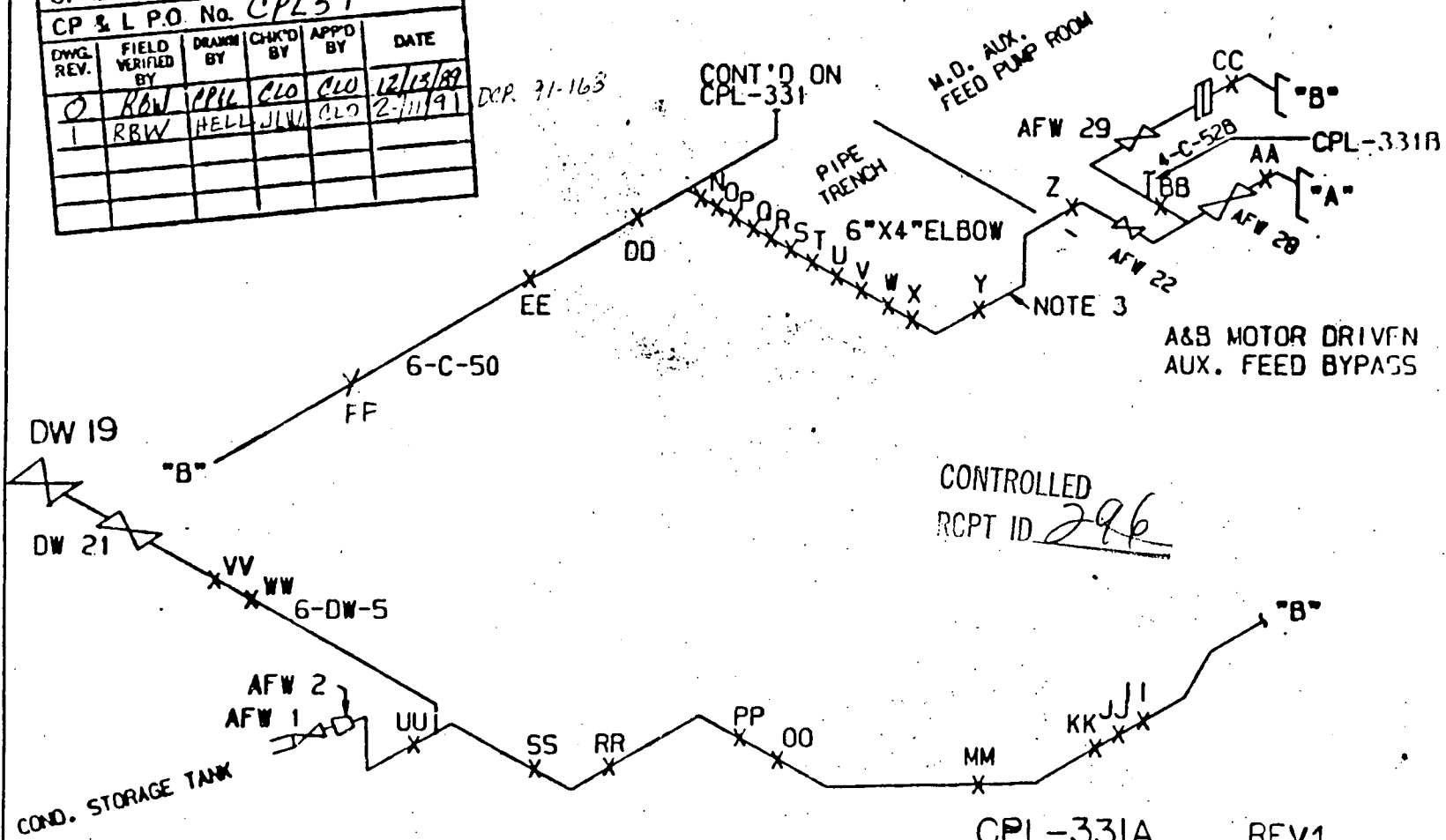
ANII REVIEW: R. Walladare DATE: 4-28-92

CP & L Dwg. No. <u>HBR2-10418 SM 146</u>					
CP & L P.O. No. <u>CPL 51</u>					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	CPL	CLO	CLO	12/13/89
1	RBW	HELL	JLV	CLO	2-11-91

D.P. 71-163

CONT'D ON  
CPL-331

M.O. AUX.  
FEED PUMP ROOM



CONTROLLED  
RCPT ID. 296

A&B MOTOR DRIVEN  
AUX. FEED BYPASS

CPL-331A	REV1	C P 8
H. B. ROBINSON S. E. PLANT		
UNIT NO. 2		
DESCRIPTION: ALDY. FEED & CONDENSATE PIPE		
DATE: 10-5-50		



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-225

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 33/A-T</u>
--------------------	--------------------------------	-------------------------------------

DWG./LOC.: CPL 33/A REV 1 / TURBINE BLOC

[x] VT-3 PROCEDURE: 8P1097 RA 4-23-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/> EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u></u>	VIDEO RECORDING NO: <u>[x] N/A</u> TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			SEE ATTACHMENT
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	N/A
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

EXAMINER: <u>Art Purnan</u>	LEVEL: <u>II</u>	DATE: <u>4-22-92</u>
REVIEWER: <u>Edmund R. Down</u>	LEVEL: <u>II</u>	DATE: <u>4-27-92</u>

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Walldare DATE: 4-28-92

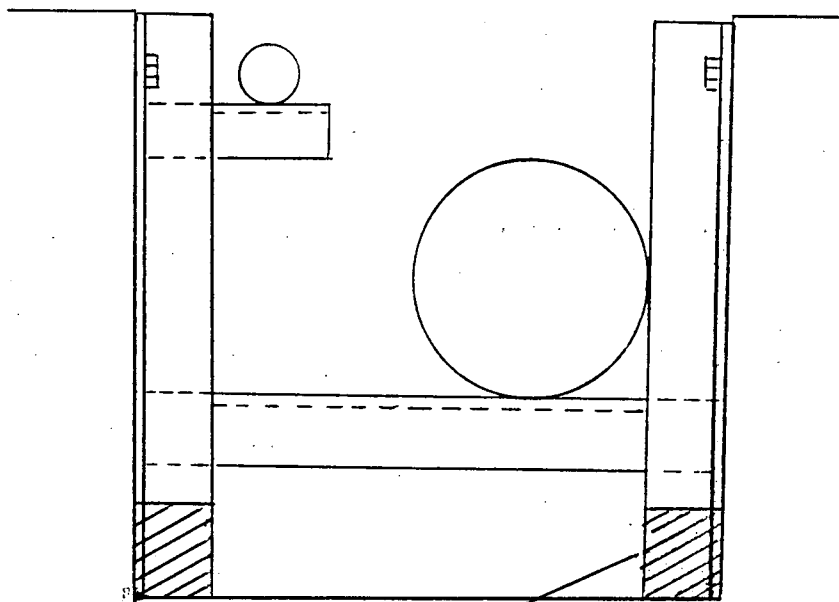
# 1125

PAGE 2 OF 2

DATA SHEET NO. \_\_\_\_\_

EXAM ITEM CAL 331A - TISO DWG. NO. CPL 331A REV. 1

## SKETCH SHEET



CORROSION MODERATE TO HEAVY  
FLAKING. 10% OR GREATER METAL  
LOSS.

EXAMINER Att PimanEXAMINER NAREVIEWER Charles R. DannerREVIEWER Richard B. WeberREVIEWER AMLEVEL IILEVEL NALEVEL IIDATE 4/28/92

DATE \_\_\_\_\_

DATE 4-22-92DATE NADATE 4-27-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-226

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT 1 1 2 1 PSI 1 ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 331A - U</u>
-----------------------	-----------------------------------	--

DWG./LOC.: CPL 331A REV 1 / TURBINE BLDG.

[X] VT-3 PROCEDURE: SP 1097 AP 4-22-92 NOEP 613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	
MISALIGNMENT		✓		N/A
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT		✓		N/A
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		

VARIABLE/CONSTANT SUPPORT ACTUAL: N/A

SNUBBER ACTUAL: N/A STROKE: N/A S/N N/A

COMMENTS: RECORDABLE INDICATION

MARKED SS-44

EXAMINER: Art P... LEVEL: II DATE: 4-22-92

REVIEWER: Edmund R. Donovan ADW LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

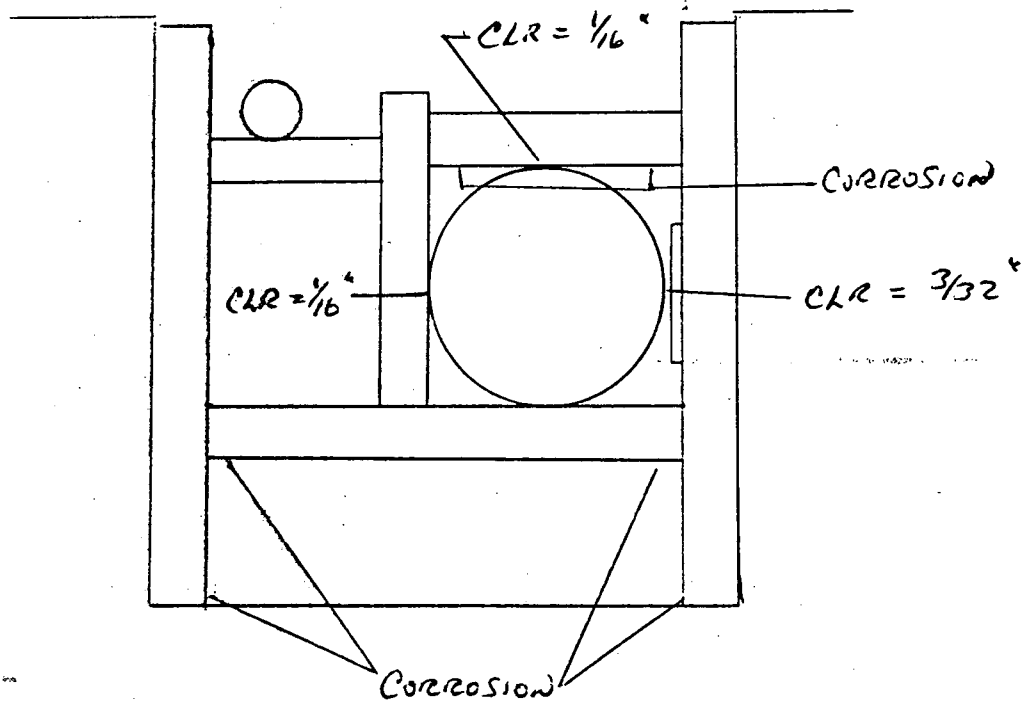
ANII REVIEW: R. Valladares DATE: 4-28-92

QA NOE ISI 5, Revision 5 11/88

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-226EXAM ITEM <sup>AP 4-23-92</sup> CL 331 CPL 331A-UISO DWG. NO. CPL 331 REV. 1

## SKETCH SHEET



CORROSION MODERATE FLAKING  
< 10% METAL LOSS

EXAMINER Art Purnan  
EXAMINER N/A  
REVIEWER Thompson R. Darrow  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/28/92  
DATE \_\_\_\_\_

DATE 4-22-92  
DATE N/A  
DATE 4-27-92

WVA

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-227

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☐ ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 331A - V</u>
--------------------	--------------------------------	---------------------------------------

DWG./LOC.: CPL 331A - REV 1 / TURBINE GLOG.

☒ VT-3 PROCEDURE: <sup>SP 1097 RP 4-23-92</sup> ~~NDEP 613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:   

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>                    </u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			SEE ATTACHMENT
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	N/A
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

EXAMINER: Art Purnan LEVEL: II DATE: 4-22-92

REVIEWER: Edmund R. Danner LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard S. Weber 4/28/92

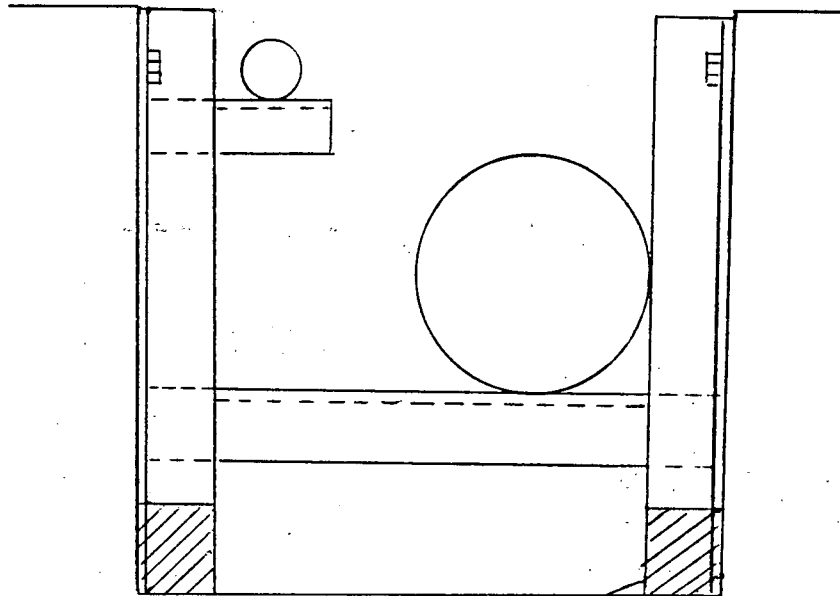
REVIEWERS COMMENTS:

ANII REVIEW: CP Walladare DATE: 4-28-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-227EXAM ITEM CPL 331A - VISO DWG. NO. CPL 331A REV. 1

## SKETCH SHEET



CORROSION MODERATE TO HEAVY  
FLAKING 10% OR GREATER METAL  
LOSS

EXAMINER Art Pinner  
EXAMINER N/A  
REVIEWER Edmund L. Doerflinger  
REVIEWER Richard B. Weber  
REVIEWER [Signature]

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/28/92  
DATE \_\_\_\_\_

DATE 4-22-92  
DATE N/A  
DATE 4-27-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-228

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☐ ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 331A-W</u>
--------------------	--------------------------------	-------------------------------------

DWG./LOC.: CPL 331A REV 1 / TURBINE BLDG

☒ VT-3 PROCEDURE: SP1097 <sup>AP 4-23-92</sup> ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	
MISALIGNMENT		✓		N/A
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT		✓		N/A
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

MARKED SS-45

EXAMINER: AT P... LEVEL: II DATE: 4-22-92

REVIEWER: Edmund R. Donovan LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

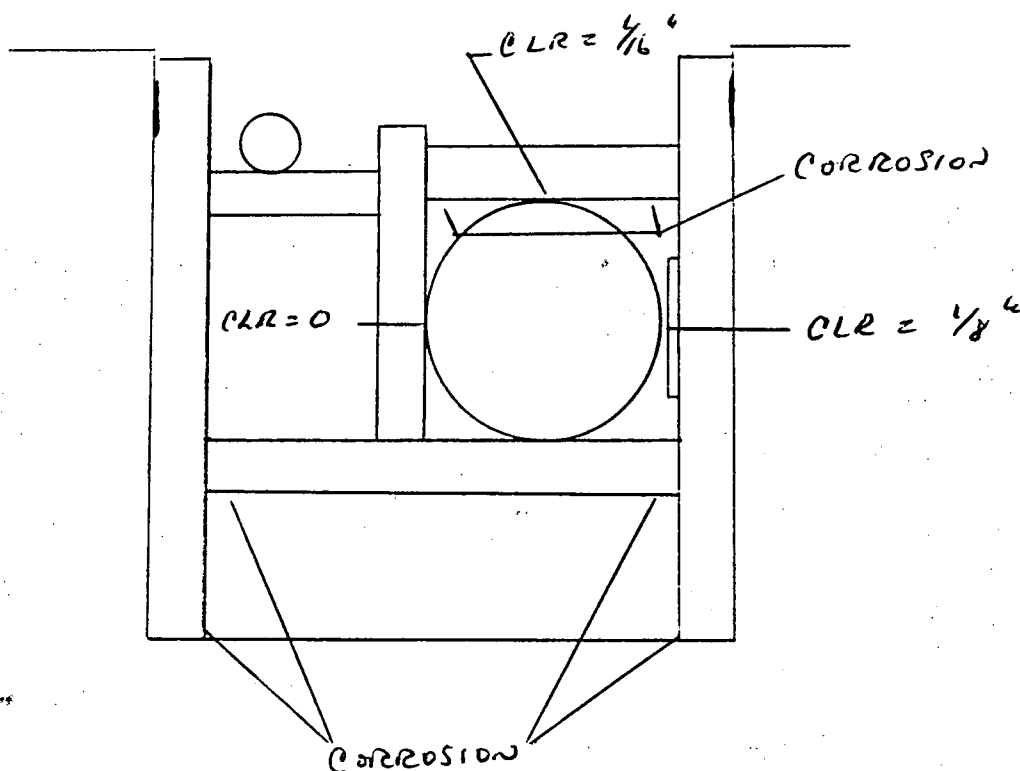
REVIEWERS COMMENTS:

ANII REVIEW: RValladare DATE: 4-28-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1047-228EXAM ITEM CPL 331A-WISO DWG. NO. CPL 331A REV. 1

## SKETCH SHEET



CORROSION MODERATE FLAKING  
~ 10% METAL LOSS

EXAMINER Art Pearson  
EXAMINER N/A  
REVIEWER Edward R. Dawson  
REVIEWER Richard B. Weber  
REVIEWER AWD

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/28/92  
DATE \_\_\_\_\_

DATE 4-22-92  
DATE N/A  
DATE 4-27-92



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-229

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CP 331A - X</u>
--------------------	--------------------------------	--------------------------------------

DWG./LOC.: CP 331A REV 1 / TURBINE BLDG.

☒ VT-3 PROCEDURE: <sup>SP 1097</sup> ~~NDEP-613~~ <sup>AP 9-23-92</sup> REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
<input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR	<input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT
<input type="checkbox"/> OTHER <u></u>	<input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT
	<input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT
STRUCTURAL INTEGRITY		✓		N/A
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N: N/A

COMMENTS: RECORDABLE INDICATION

EXAMINER: But Purnan LEVEL: II DATE: 4-22-92

REVIEWER: Richard R. Donovan LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

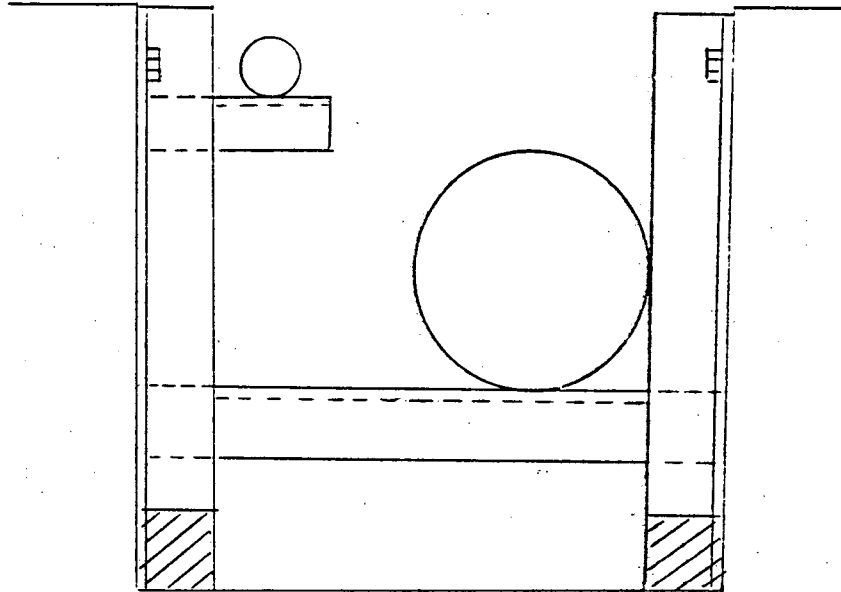
REVIEWERS COMMENTS:

ANII REVIEW: CP Walladares DATE: 4-28-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-229EXAM ITEM CPL 331 A - XISO DWG. NO. CAL 331 A REV. 1

## SKETCH SHEET



CORROSION  
MODERATE TO HEAVY FLAKING,  
10% OR GREATER METAL  
LOSS.

EXAMINER Art PurnanLEVEL IIDATE 4-22-92EXAMINER N/ALEVEL N/ADATE N/AREVIEWER Edmund R. DannerLEVEL IIDATE 4-27-92REVIEWER Richard B. WeberDATE 4/28/92

REVIEWER \_\_\_\_\_

DATE \_\_\_\_\_



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-230

WR&A # N/A

PAGE 1 OF 2

PLANT: H.B. Robinson UNIT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SYSTEM: AFW COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL 331A - 4

DWG./LOC.: CPL 331A REV 1 / TURBINE BLDG.

[X] VT-3 PROCEDURE: SP 1097 NOV-22-92 NOEP 613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER \_\_\_\_\_ TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION	✓			SEE ATTACHMENT
STRUCTURAL INTEGRITY		✓		N/A
RESISTANCE TO MOVEMENT		✓		
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N: <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

EXAMINER: Carl P. ... LEVEL: II DATE: 4-22-92

REVIEWER: Edmund R. ... LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

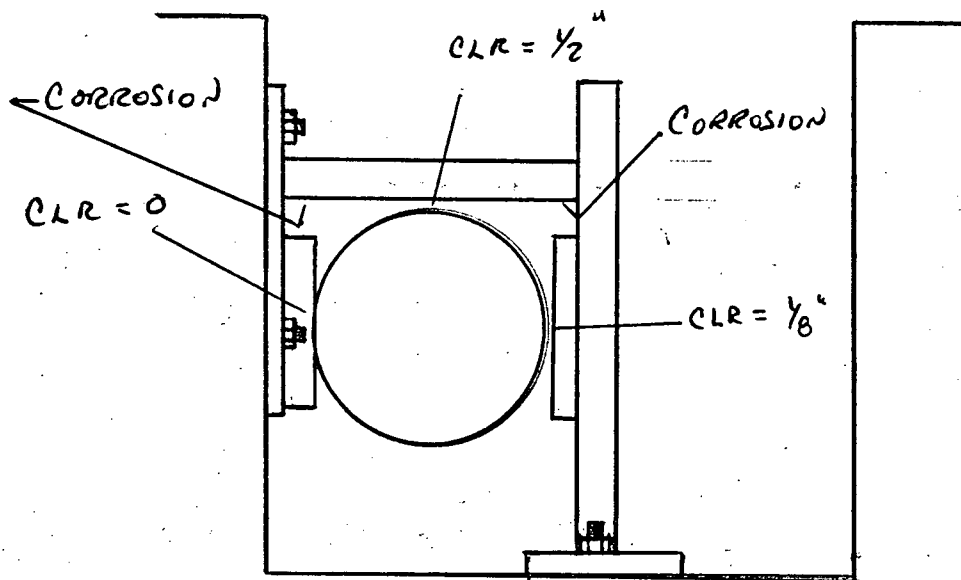
REVIEWERS COMMENTS:

ANII REVIEW: AP Walla ... DATE: 4-28-92

# 1105

PAGE 2 OF 2DATA SHEET NO. 1097-230EXAM ITEM CPL 331A-4ISO DWG. NO. CPL 331A REV. 1

## SKETCH SHEET



CORROSION MODERATE FLAKING  
< 10% METAL LOSS.

EXAMINER Art Purnan  
EXAMINER N/A  
REVIEWER Edmund R. Dawson  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/28/92  
DATE \_\_\_\_\_

DATE 4-22-92  
DATE N/A  
DATE 4-27-92

AW



Carroll Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-234

WR&A # N/A

PAGE 1 OF 1

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [ ] ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>INTEGRAL ATTACHMENT</u>	COMPONENT ID NO.: <u>CPL 331A - U - WS</u>
--------------------	--	--

DWG./LOC.: CPL 331A REV 1 / TORBINE Q LDG -

[X] VT-3 PROCEDURE: <sup>SP 1097-AP 4-23-92</sup> ~~NBEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [ ] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
[X] FLASHLIGHT [ ] MIRROR	[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT
[ ] OTHER	[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT
	[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	N/A
MISALIGNMENT			✓	
DEBRIS			✓	
CORROSION/EROSION			✓	
STRUCTURAL INTEGRITY			✓	
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES			✓	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: INTEGRAL ATTACHMENT DOES NOT EXIST

EXAMINER: Art Ruman LEVEL: II DATE: 4-22-92

REVIEWER: Edward R. Darrow JR LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: R. M. Ladd

DATE: 4-28-92

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-94

WR&amp;A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 1 1 2 1 PSI ISI

SYSTEM: AUX. FEED &amp; COND. PIPE COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-331A-Z

DWG./LOC.: CPL-331A Rev 1 / M.D. AUX FEED PUMP RM. -T.B.

VT-3 PROCEDURE: <sup>SP-1097</sup> <sup>CD</sup> <sup>4-9-92</sup> ~~NDEP-613~~ REV.: 0 VT-4 PROCEDURE: 614 REV.:DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/AEQUIPMENT USED: ☒ FLASHLIGHT ☐ MIRROR ☐ OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS	<input checked="" type="checkbox"/>			See page #2 for details
CORROSION/EROSION		<input checked="" type="checkbox"/>		N/A
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			} See page #2 for details
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			
CLEARANCES OF MOVING PARTS	<input checked="" type="checkbox"/>			
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		N/A
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A STROKE: N/A S/N N/A			

COMMENTS: RECORDABLE INDICATIONS - see page #2 for details

EXAMINER: *Cliff Moss* <sup>CD</sup> LEVEL: II DATE: 4-9-92REVIEWER: *Edmund R. Darrow* <sup>CD</sup> LEVEL: II DATE: 4-10-92COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORYREVIEWED BY: <sup>FRD 4-10-92</sup> *Charles* *Richard B. Weber* 4/14/92

REVIEWERS COMMENTS:

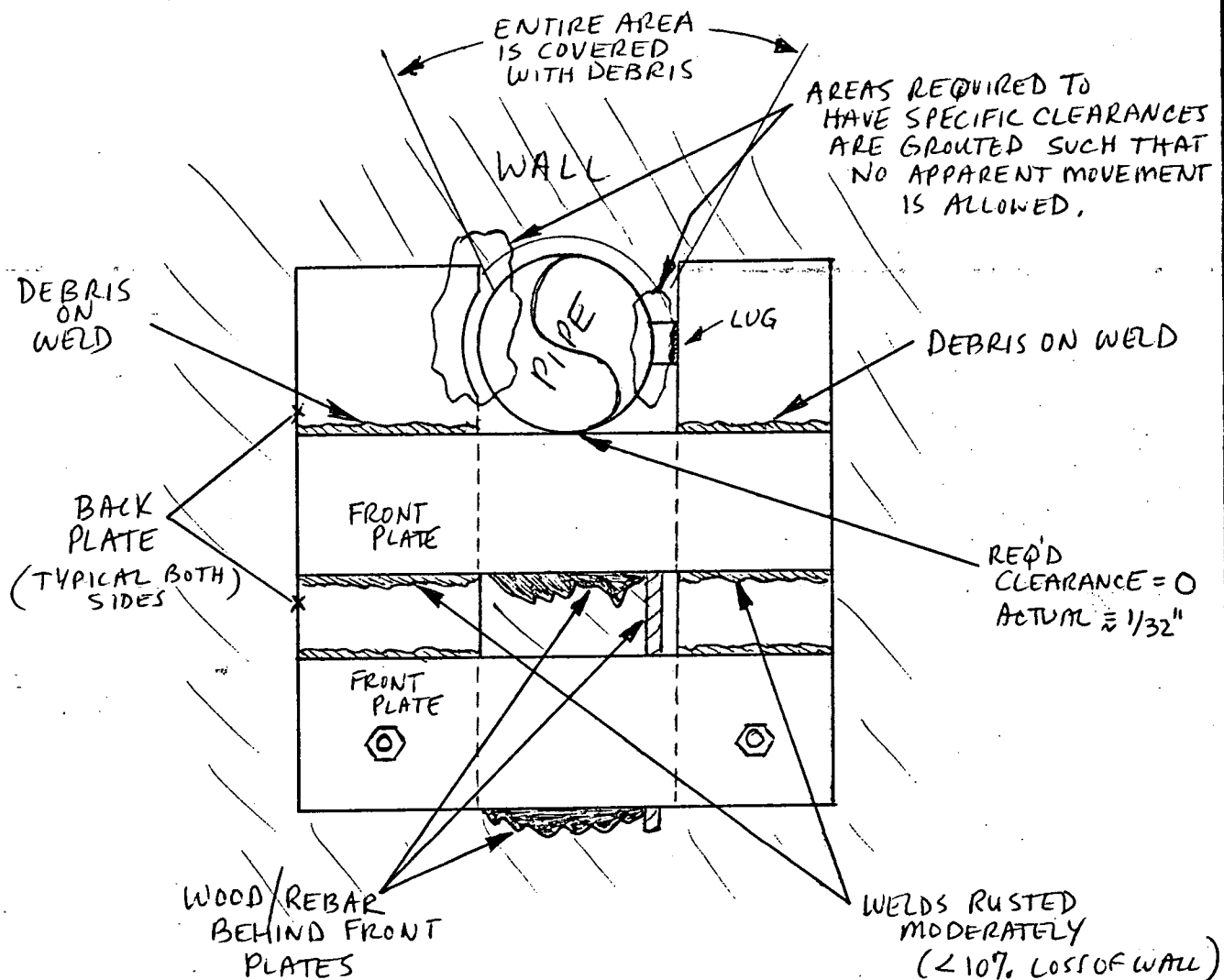
ANII REVIEW: *CP Valladares*

DATE: 4.15.92

# 1125

PAGE 2 OF 2  
 DATA SHEET NO. 1097-74  
 EXAM ITEM CPL-331A-Z  
 ISO DWG. NO. CPL-331A REV. 1

## SKETCH SHEET



(REQUIRED CLEARANCES SHOWN ON DWG. AB-CAR-C-1-M.)

EXAMINER Cliff Moss  
 EXAMINER N/A  
 REVIEWER Edmund R. Dorian  
 REVIEWER Richard B. Weber  
 REVIEWER \_\_\_\_\_

LEVEL II  
 LEVEL N/A  
 LEVEL II  
 DATE 4/14/92  
 DATE \_\_\_\_\_

DATE 4-9-92  
 DATE N/A  
 DATE 4-10-92

DM

# CP&L

Carolina Power & Light Company  
VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-247

WR&A # N/A

PAGE 1 OF 2

PLANT: NB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: AUX FEED COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-331A-Z

DWG./LOC.: CPL-331A REV-01 / AUX FEED PUMP ROOM

[X] VT-3 PROCEDURE: SP 1097 ERA 5-191 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [X] OTHER 1" SCALE  
TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<u>CRD</u> <u>5-192</u>	<u>X</u>	<u>X</u>	
MISALIGNMENT			<u>X</u>	
DEBRIS			<u>X</u>	
CORROSION/EROSION			<u>X</u>	
STRUCTURAL INTEGRITY			<u>X</u>	
RESISTANCE TO MOVEMENT	<u>X</u>			<u>SEE ATTACHED SKETCH</u>
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES			<u>X</u>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS  
RE EXAM AFTER CLEAN UP TO CHECK GAPS

EXAMINER: Elmer R. Dargatz LEVEL: II DATE: 5-1-92

REVIEWER: W. T. Funnell LEVEL: II DATE: 5-2-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/2/92

REVIEWERS COMMENTS:

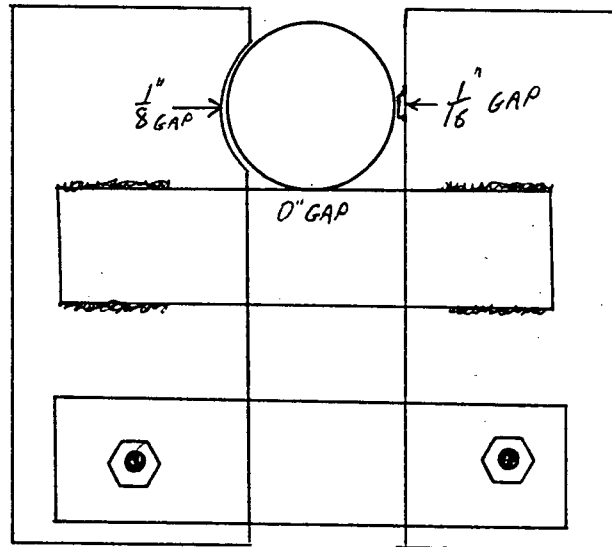
ANII REVIEW: OP Walladanes DATE: 5-4-92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-247EXAM ITEM CPL-331A-ZISO DWG. NO. CPL-331A REV. 01

## SKETCH SHEET



EXAMINER Charles R. Donovan  
EXAMINER NA  
REVIEWER Art Pinner  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 5/2/92  
DATE \_\_\_\_\_

DATE 5-1-92  
DATE NA  
DATE 5-2-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-214

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>* SEE COMMENTS</u>	COMPONENT ID NO.: <u>CPL-331A-Z-WS</u>
---------------------------------	--	---

DWG./LOC.: CPL 331A REV-1 / AUX FEED PUMP ROOM

☒ VT-3 PROCEDURE: SP-1097 ERO 4-2292 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	<div style="position: relative; height: 100%;"> <span style="position: absolute; top: 0; right: 0; transform: rotate(45deg); font-size: 2em;">N</span> <span style="position: absolute; bottom: 0; left: 0; transform: rotate(-45deg); font-size: 2em;">A</span> </div>
MISALIGNMENT			<input checked="" type="checkbox"/>	
DEBRIS			<input checked="" type="checkbox"/>	
CORROSION/EROSION			<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO INTEGRAL ATTACHMENT EXIST AT THIS LOCATION ON PIPE

EXAMINER: Edward L. Danov LEVEL: II DATE: 4-22-92

REVIEWER: Art P... LEVEL: II DATE: 4-25-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 4-28-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-14

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 11 ☒ 12 ☐ 1 PSI ☒ ISI

SYSTEM: AUX F&C PIPE COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-331A-AA

DWG./LOC.: CPL-331A Rev 1 / M.D. AUX FEED PUMP RM-T.B.

☒ VT-3 PROCEDURE: SP-1097 @ 4-9-92 WBEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR  
☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT:  
☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT		<input checked="" type="checkbox"/>		<u>N/A</u>
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			* PIPE NEAR INTEGRAL WELD (UNDER PIPE RUN) IS LIGHTLY RUSTED. (<10% LOSS OF WALL)
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	<u>N/A</u>
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATION \* PIPE FOR SUPPORT

EXAMINER: Chf Moss @ LEVEL: II DATE: 4-9-92

REVIEWER: Chf Purnan @ LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: BP Valladares DATE: 4-15-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1091-95

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 X 2 [ ] PSI X ISI

SYSTEM: AUX FEED & COND. PIPE COMPONENT NAME: INTEGRAL SUPPORT COMPONENT ID NO.: CPL-331A-WS-AA

DWG./LOC.: CPL-331A REV 1 / AUX FEED Pump RM - T.B.

X VT-3 PROCEDURE: SP-1097 CW 4-9-92 NOEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT X REMOTE X VIDEO RECORDING NO: X N/A

EQUIPMENT USED: X FLASHLIGHT [ ] MIRROR X OTHER 6" Scale  
TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
X MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
X SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<u>X</u>	
MISALIGNMENT			<u>X</u>	<u>N/A</u>
DEBRIS		<u>X</u>		
CORROSION/EROSION	<u>X</u>			PIPE IN AREA ADJACENT TO WELD IS LIGHTLY RUSTED.
STRUCTURAL INTEGRITY	<u>X</u>			SEE PAGE # 2
RESISTANCE TO MOVEMENT			<u>X</u>	
CLEARANCES OF MOVING PARTS			<u>X</u>	<u>N/A</u>
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS - see page # 2 for details.

EXAMINER: Chf Mass CW LEVEL: II DATE: 4-9-92

REVIEWER: Edward R. Darrow JR LEVEL: II DATE: 4-10-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

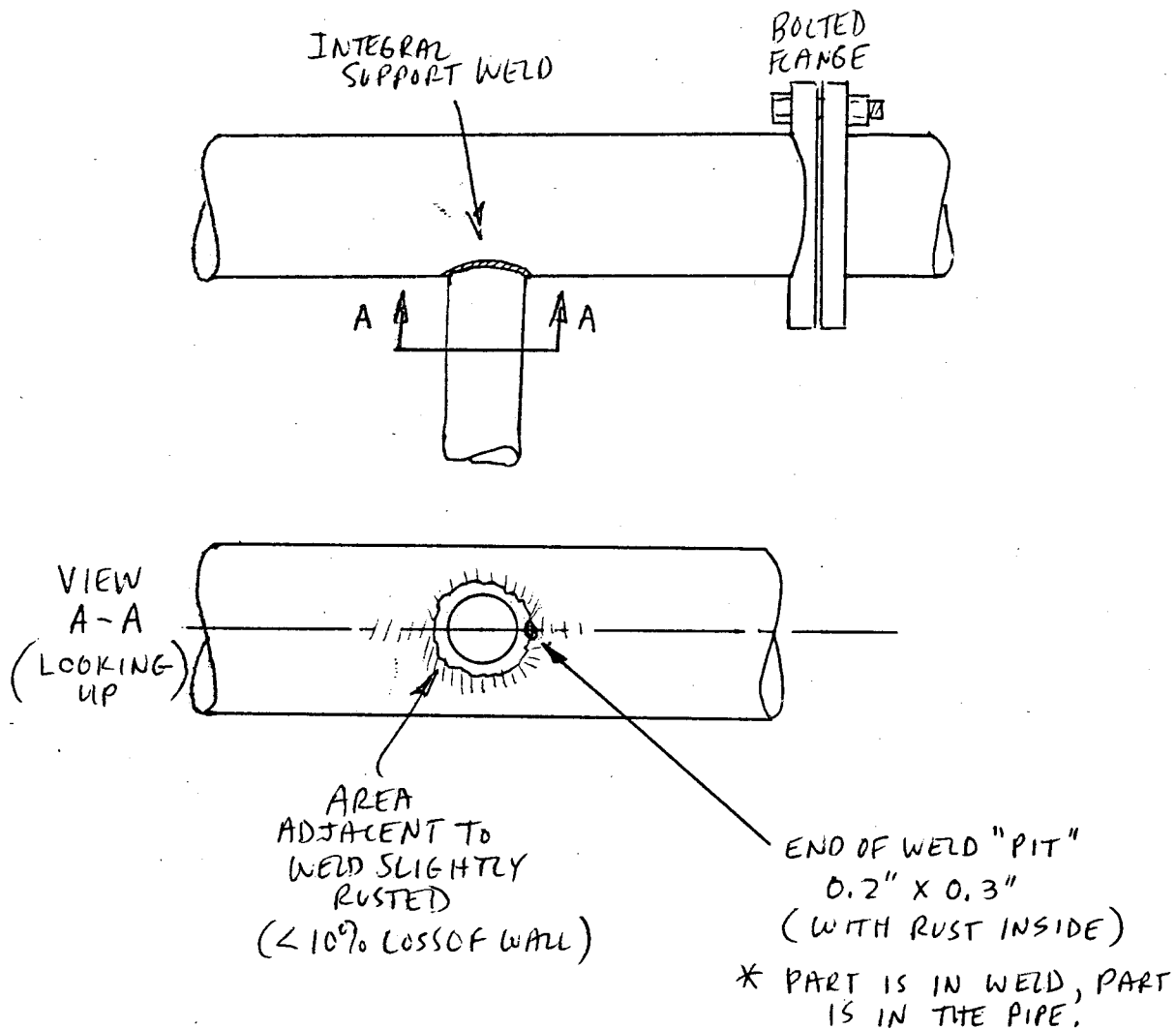
REVIEWERS COMMENTS:

ANII REVIEW: B. Walladere DATE: 4-15-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1092-95EXAM ITEM CPL-331A-WS-AAISO DWG. NO. CPL-331A REV. 1

## SKETCH SHEET



EXAMINER Cliff Mass

EXAMINER N/A

REVIEWER Edmund R. Donovan

REVIEWER Richard B. Weber

REVIEWER DN

LEVEL II

LEVEL N/A

LEVEL II

DATE 4/14/92

DATE \_\_\_\_\_

DATE 4-9-92

DATE N/A

DATE 4-10-92



Carolina Power &amp; Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-96

WR&amp;A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: AUX. FEED &amp; COND. PIPE COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-331A-BB

DWG./LOC.: CPL-331A Rev 1 / M.D. AUX FEED PUMP RM. - T.B.

[X] VT-3 PROCEDURE: SP-1097 CN 4-9-92 NDEP-613 REV.: [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [ ] MIRROR TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [X] OTHER 6" Scale [X] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		[X]		N/A
MISALIGNMENT		[X]		
DEBRIS	[X]			See sketch, pg #2
CORROSION/EROSION		[X]		N/A
STRUCTURAL INTEGRITY	[X]			See sketch, pg #2 : clamp
RESISTANCE TO MOVEMENT		[X]		N/A
CLEARANCES OF MOVING PARTS	[X]			See sketch, pg #2 : improper clearances
ARC STRIKES/GOUGES		[X]		N/A
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A STROKE: N/A S/N N/A			

COMMENTS: RECORDABLE INDICATIONS - see page #2 for details

EXAMINER: Cliff Moss CN LEVEL: II DATE: 4-9-92

REVIEWER: Edmund R Donovan CN LEVEL: II DATE: 4-10-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: P. J. Valladares

DATE: 4.15-92

# 1125

PAGE 2 OF 2

DATA SHEET NO. 1097-96

EXAM ITEM CPL-331A-BB

ISO DWG. NO. CPL-331A REV. 1

## SKETCH SHEET

ACTUAL  
CONFIGURATION

DEBRIS

RUN

A

A

FLOOR

REQ'D CL. = 0  
ACTUAL =  $\frac{1}{32} - \frac{1}{16}$ "

REQ'D  
CL. = 0  
ACTUAL  
=  $\frac{1}{32} - \frac{1}{16}$ "

REQ'D  
CL. = 0  
ACTUAL  
=  $\frac{1}{32} - \frac{1}{16}$ "

REQ'D & ACTUAL  
= 0

A-A  
LOOKING  
DOWN

FLOOR  
PLATE

RIGID  
BOX

SAME ON  
OTHER (3)  
CLAMPS

ALL CLAMPS  
APPEAR TO BE  
TOO SMALL FOR THE  
PIPE SIZE. APPROX  
 $\frac{1}{2}$ " GAP EXISTS  
AT ALL (8)  
LOCATIONS.  
(ALL BOLTS ARE  
TIGHT)

$\approx \frac{1}{2}$ "

TYPICAL

REFER TO C-1/20 (SHT 1 OF 2) FOR REQ'D CLEARANCES

EXAMINER Cliff Mess  
EXAMINER N/A  
REVIEWER Edmund R. Donovan  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/14/92  
DATE \_\_\_\_\_

DATE 4-9-92  
DATE N/A  
DATE 4-10-92

H 710

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-248

WR&A # N/A

PAGE 1 OF 2

PLANT: AB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-331A-BB</u>
----------------------------	-----------------------------------	---

DWG./LOC.: CPL-331A REV-1 / AUX FEED PUMP ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 5-192  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input checked="" type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT			<input checked="" type="checkbox"/>	
DEBRIS			<input checked="" type="checkbox"/>	
CORROSION/EROSION			<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS  
RE-EXAM FOR GAPS ON PIPE CLAMPS

EXAMINER: Edward R Donovan LEVEL: II DATE: 5-1-92

REVIEWER: Art P... LEVEL: II DATE: 5-2-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/2/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares

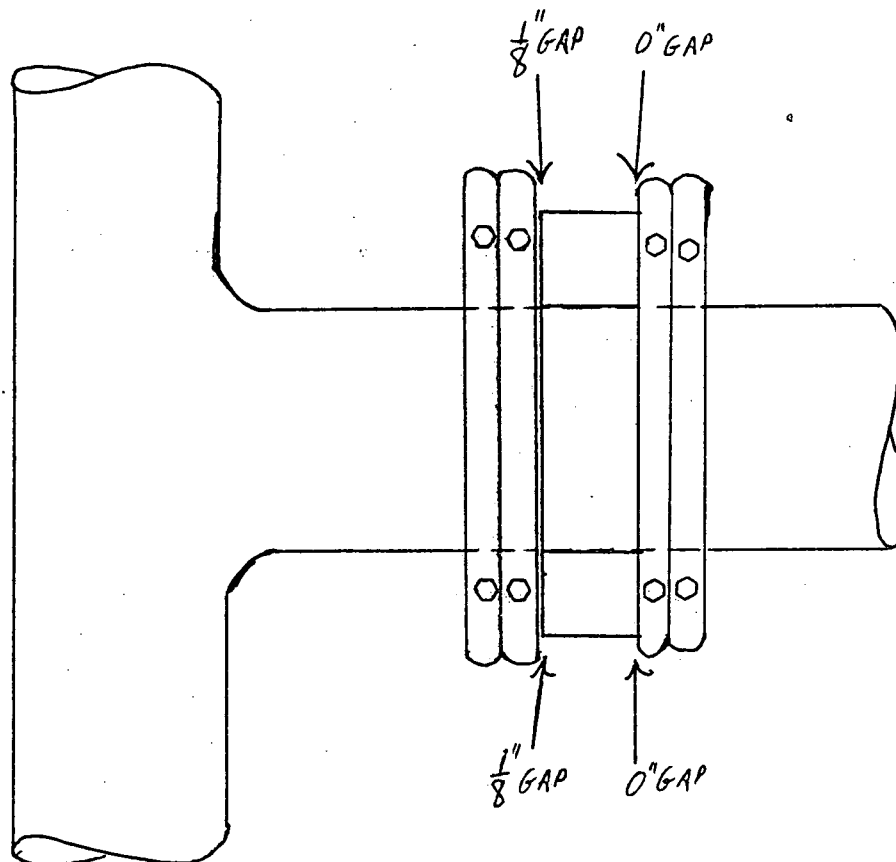
DATE: 5-4-92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-248EXAM ITEM CPL-331A-BBISO DWG. NO. CPL 331A REV. 1

## SKETCH SHEET



EXAMINER Edward L. Danner  
EXAMINER NA  
REVIEWER Cliff Pannan  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 5/2/92  
DATE \_\_\_\_\_

DATE 5-1-92  
DATE NA  
DATE 5-2-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-92

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 1 X 2 1 PSI X ISI

SYSTEM: <u>AUX FEED &amp; COND. PIPE</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-331A-CC</u>
---	-----------------------------------	---

DWG./LOC.: CPL-331A-Rev 1 / M.I.D. AUX FEED PUMP RM. - T.B.

X VT-3 PROCEDURE: SP-1097 @ 4-9-92 NOEP-613 REV.: 0 1 VT-4 PROCEDURE: 614 REV.:

DIRECT X REMOTE X VIDEO RECORDING NO: X N/A

EQUIPMENT USED: <u>X</u> FLASHLIGHT <u>1</u> MIRROR <u>1</u> OTHER _____	TYPE OF COMPONENT SUPPORT: <u>1</u> HYDRAULIC SNUBBER <u>1</u> CONSTANT SUPPORT <u>X</u> MECHANICAL SNUBBER <u>1</u> VARIABLE SUPPORT <u>X</u> SUPPORT/HANGER
--	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<u>X</u>	
MISALIGNMENT		<u>X</u>	<u>X</u>	<u>N/A</u>
DEBRIS		<u>X</u>	<u>X</u>	
CORROSION/EROSION	<u>X</u>			<u>* PIPE AROUND WELD IS SLIGHTLY RUSTED (&lt;10% LOSS OF WALL) * PIPE FOR SUPPORT</u>
STRUCTURAL INTEGRITY		<u>X</u>	<u>X</u>	
RESISTANCE TO MOVEMENT			<u>X</u>	
CLEARANCES OF MOVING PARTS			<u>X</u>	<u>N/A</u>
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATION

EXAMINER: Chiff Moss @ LEVEL: II DATE: 4-9-92

REVIEWER: Edward R. Dorman @ LEVEL: II DATE: 4-10-92

COMPONENT CONDITION: 1 SATISFACTORY 1 UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 4-15-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-98

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: AUX FEED & COND. PIPE COMPONENT NAME: INTEGRAL SUPPORT COMPONENT ID NO.: CPL-331A-WS-CC

DWG./LOC.: CPL-331A Rev 1 / AUX FEED PUMP RM. - T.B.

☒ VT-3 PROCEDURE: SP-1097 (EN) 4-9-92 ~~NDEP-613~~ REV.: C ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED:  
☒ FLASHLIGHT ☐ MIRROR  
☐ OTHER \_\_\_\_\_  
 TYPE OF COMPONENT SUPPORT:  
☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT			<input checked="" type="checkbox"/>	N/A
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			AREA ADJACENT TO WELD IS LIGHTLY RUSTED. ( $< 10\%$ LOSS OF WALL)
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	N/A
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A STROKE: N/A S/N N/A			

COMMENTS: RECORDABLE INDICATION

EXAMINER: Chf Moss CW LEVEL: II DATE: 4-9-92

REVIEWER: Edmund R Donoran RM LEVEL: II DATE: 4-10-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: R Valladares

DATE: 4-15-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-233

WR&A # N/A

PAGE 1 OF 1

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>APW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 331A-DD</u>
--------------------	--------------------------------	--------------------------------------

DWG./LOC.: CPL 331A REV 1 / TURBINE BLDG.

[X] VT-3 PROCEDURE: <u>SP 1097 AP 4-23-92</u> <u>NOEP 613</u> REV.: <u>0</u>	[ ] VT-4 PROCEDURE: <u>614</u> REV.: <u></u>
---	--

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER <u></u>	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION			✓	
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES			✓	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Art Purnum LEVEL: II DATE: 4-22-92

REVIEWER: Edward R. Dorman LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Halladare DATE: 4-28-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-232

WR&A # N/A

PAGE 1 OF 1

PLANT: H.B. ROBINSON UNIT 1 ☒ 2 ☐ PSI ☐ ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>INTEGRAL ATTACHMENT</u>	COMPONENT ID NO.: <u>CPL 331A-DD-WS</u>
--------------------	--	---

DWG./LOC.: CPL 331A REV1 / TURBINE BLDG.

☒ VT-3 PROCEDURE: SP 1097 AP4-23 F2 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☐ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			✓	N/A
MISALIGNMENT			✓	
DEBRIS			✓	
CORROSION/EROSION			✓	
STRUCTURAL INTEGRITY			✓	
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES			✓	
VARIABLE/CONSTANT SUPPORT		ACTUAL: <u>N/A</u>		
SNUBBER		ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u> S/N <u>N/A</u>

COMMENTS: INTEGRAL ATTACHMENT DOES NOT EXIST

EXAMINER: Art Purnan LEVEL: II DATE: 4-22-92

REVIEWER: Edward L. Dawson ED LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/28/92

REVIEWERS COMMENTS:

ANII REVIEW: B. Ballekare

DATE: 4-28-92



LED  
296

CP & L Dwg. No. HBR2-10618 SH.147CP & L P.O. No. CPL51

DWG.	FIELD	DRAWN	CHK'D	APP'D	DATE
REV.	VERIFIED	BY	BY	BY	

DATE	BY	DATE
12/13/88	DAVID	12/13/88

7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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[illegible]


[illegible]

CP-313  
CPL-331B REV. 0

H. B. ROBINSON S. E. PLANT	
UNIT NO. 2	
DESCRIPTION: AUX. FEED & COND.	
LINE NO. 6-CB-93	CPL - 3318 REV.

I certify that the image contained on this frame was made in the normal and regular course of business on the date

# CP&L

Carolina Power & Light Company  
VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-76

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON

UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>Aux Feed</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-331B-A</u>
----------------------------	-----------------------------------	--

DWG./LOC.: CPL-331B Rev. 0 / Component Coolant Room

[X] VT-3 PROCEDURE: SP-1097 ERO 4-6-92  
NBEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [X] OTHER <u>6" Scale</u>	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	X			SEE ATTACHED SKETCH
MISALIGNMENT		X		
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY	X			SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	X			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	SIN <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: <u>Edmund R. Donovan</u>	LEVEL: <u>II</u>	DATE: <u>4/6/92</u>
REVIEWER: <u>Cliff Moss</u>	LEVEL: <u>II</u>	DATE: <u>4-9-92</u>

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/13/92

REVIEWERS COMMENTS:

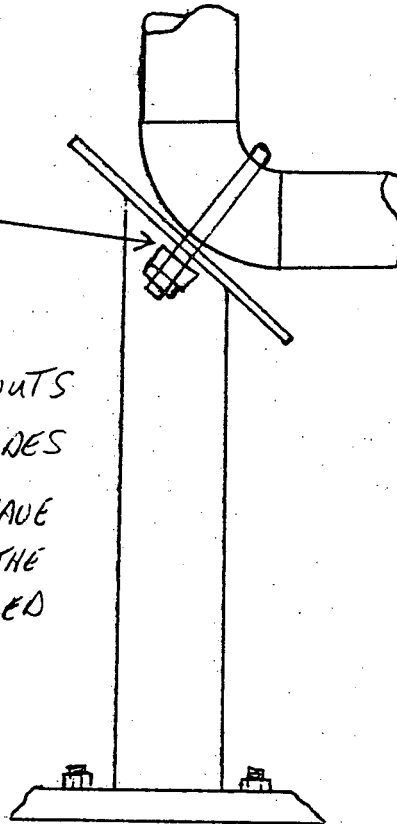
ANII REVIEW: R. Valladares DATE: 4-14-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-76EXAM ITEM CPL-331B-AISO DWG. NO. CPL 331B REV. 0

## SKETCH SHEET

LOCK NUTS  
ARE TIGHT  
BUT ARE NOT  
THREADED ALL THE  
WAY UP TO PLATE  
 $\frac{3}{16}$ " GAP BETWEEN NUTS  
AND PLATE BOTH SIDES  
A BOLT DOES NOT HAVE  
0" CLEARANCE ALL THE  
WAY AROUND AS CALLED  
FOR ON DRAWING

EXAMINER Edmund R. DonoranEXAMINER NAREVIEWER Let P. [signature]REVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL IILEVEL NALEVEL IIDATE 4/13/92

DATE \_\_\_\_\_

DATE 4-6-92DATE NADATE 4-7-92



**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-77

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON

UNIT 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

Aux. Feed

COMPONENT

NAME: Box RESTRAINT

COMPONENT

ID NO.: CPL-331B-B

DWG./LOC.: CPL-331B REV. 0 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP-1097 ERA 4-6-92  
NOEP-613 REV.: 0

☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO:

☐ N/A

EQUIPMENT USED:

☒ FLASHLIGHT ☒ MIRROR  
☒ OTHER 6" Scale

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edmund R. Dorman

LEVEL: II

DATE: 4/6/92

REVIEWER: Cliff Moss DM

LEVEL: II

DATE: 4-9-92

COMPONENT CONDITION: ☐ SATISFACTORY

☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/13/92

REVIEWERS COMMENTS:

ANII REVIEW: W. Valladares

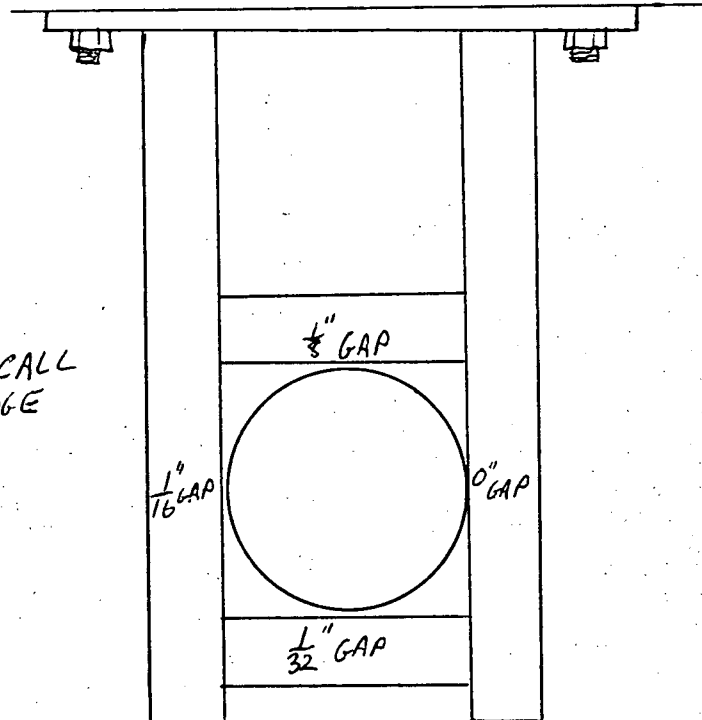
DATE: 4-14-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-77EXAM ITEM CPL-3318-BISO DWG. NO. CPL-3318 REV. 0

## SKETCH SHEET

DRAWING CALL  
FOR 0" CLEARANCE



EXAMINER

Charles R. Donovan

LEVEL

II

DATE

4-6-92

EXAMINER

NA

LEVEL

NA

DATE

NA

REVIEWER

Chris Korman

LEVEL

II

DATE

4-7-92

REVIEWER

Richard B. Weber

DATE

4/13/92

REVIEWER

RM

DATE

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-78

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON

UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM:

AUX FEED

COMPONENT

NAME: ROD HANGER

COMPONENT

ID NO.: CPL-331B-C

DWG./LOC.: CPL 331B REV-0 / COMPONENT COOLANT ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 4-6-92  
NOEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X]

VIDEO RECORDING NO:

[X] N/A

EQUIPMENT USED:

[X] FLASHLIGHT [X] MIRROR

[X] OTHER 6" SCALE

TYPE OF COMPONENT SUPPORT:

[ ] HYDRAULIC SNUBBER

[ ] CONSTANT SUPPORT

[ ] MECHANICAL SNUBBER

[ ] VARIABLE SUPPORT

[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	[X]			SEE ATTACHED SKETCH
MISALIGNMENT		[X]		
DEBRIS		[X]		
CORROSION/EROSION		[X]		
STRUCTURAL INTEGRITY		[X]		
RESISTANCE TO MOVEMENT			[X]	
CLEARANCES OF MOVING PARTS		[X]		
ARC STRIKES/GOUGES		[X]		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: ~~X~~ RECORDABLE INDICATION  
ERO 4-8-92

EXAMINER: Edmund R. Donovan

LEVEL: II

DATE: 4-6-92

REVIEWER: [Signature]

LEVEL: II

DATE: 4-7-92

COMPONENT CONDITION: [ ] SATISFACTORY

[ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

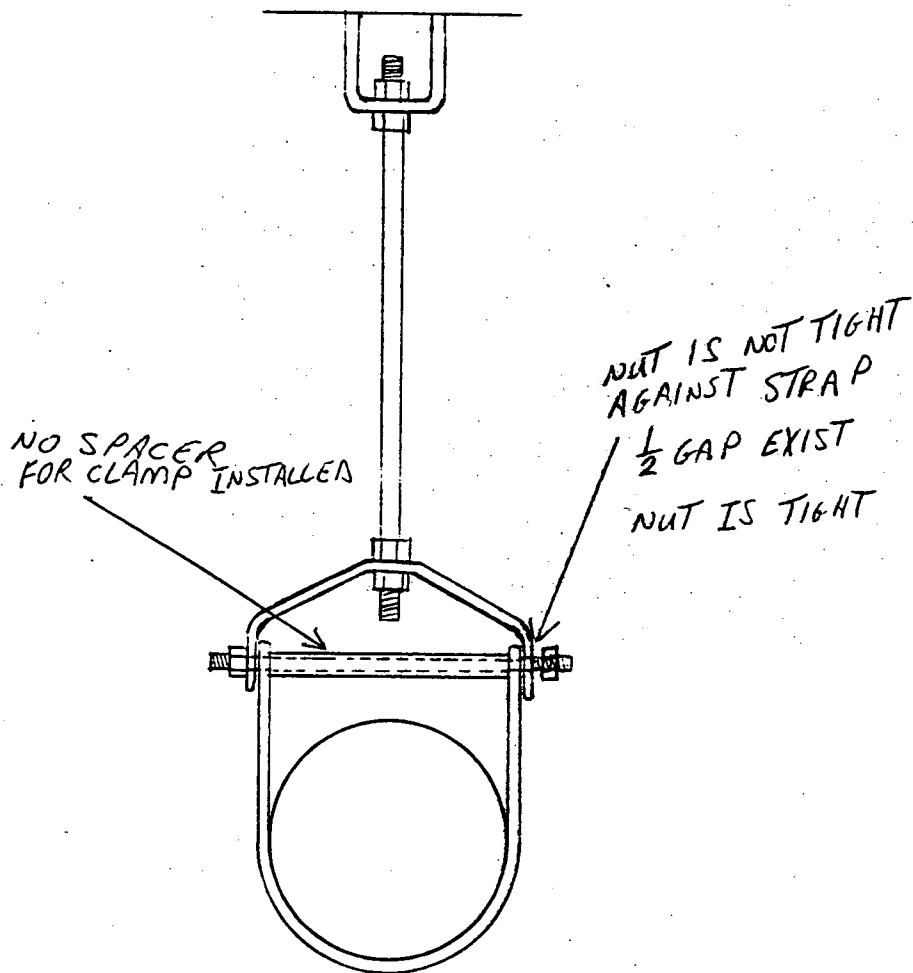
ANII REVIEW: [Signature]

DATE: 4-10-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-78  
EXAM ITEM CPL-331B-C  
ISO DWG. NO. CPL 331B REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER Art P...  
REVIEWER Richard S. H...  
REVIEWER AVN

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-6-92  
DATE NA  
DATE 4-7-92

# CP&L

Cordless Power & Light Company

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-274

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-331B-C</u>
----------------------------	----------------------------------	--

DWG./LOC.: CPL-331B REV-0 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 5-7-92 ~~NOEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS  
RE-EXAM AFTER REPAIR

WR/JO 92-AEMS I

EXAMINER: Edward R. Dorn LEVEL: II DATE: 5-7-92

REVIEWER: Art P... LEVEL: II DATE: 5-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: R. P. Valladares

DATE: 5-12-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-79

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-331B-0</u>
----------------------------	--------------------------------------	--

DWG./LOC.: CPL-331B REV-0 / COMPONENT COOLANT ROOM

[X] VT-3 PROCEDURE: SP 1077 ERA 4-6-92  
~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input checked="" type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: ERD 4-8-92 ☒ RECORDABLE INDICATION

EXAMINER: Edward R Donnan LEVEL: II DATE: 4-6-92

REVIEWER: Art P... LEVEL: II DATE: 4-7-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Malladare DATE: 4-10-92

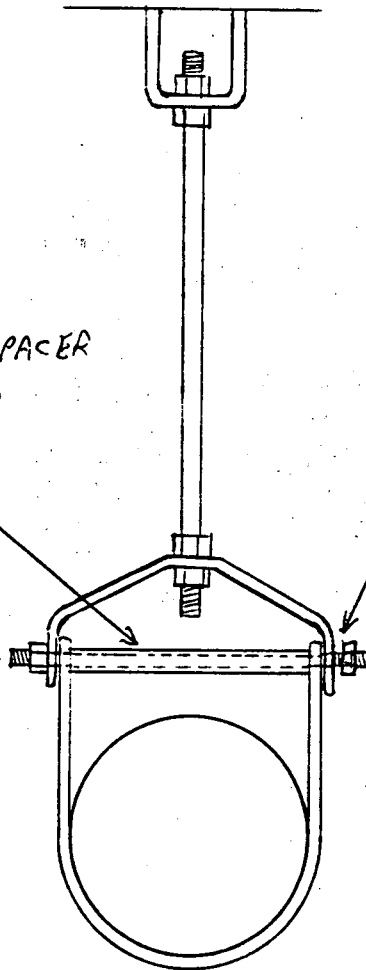
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PAGE 2 OF 2  
DATA SHEET NO. 1092-29  
EXAM ITEM CPL-331B-D  
ISO DWG. NO. CPL 331B REV. 0

## SKETCH SHEET

NO CLAMP SPACER  
INSTALLED

NUT IS NOT TIGHT  
AGAINST STRAP  
 $\frac{3}{16}$ " GAP EXIST  
NUT IS TIGHT



EXAMINER

Edmund L. Donovan

LEVEL

II

DATE

4-6-92

EXAMINER

NA

LEVEL

NA

DATE

NA

REVIEWER

Carl P. Pinner

LEVEL

II

DATE

4-7-92

REVIEWER

Richard B. Weber

DATE

4/10/92

REVIEWER

Don

DATE

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-275

WR&A # N/A

PAGE 1 OF 1

PLANT: H.B. ROBINSON UNIT 1 ☒ 12 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-331B-0</u>
----------------------------	----------------------------------	--

DWG./LOC.: CPL-331B REV-0 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 5292  
NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS  
RE-EXAM AFTER REWORK

WR-JO 92-AEMRI

EXAMINER: Edward L. Donovan LEVEL: II DATE: 5-7-92

REVIEWER: Art Pinner LEVEL: II DATE: 5-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Gable 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: CPalladares

DATE: 5-12-92



**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-80

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>BOX RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-331B-E</u>
----------------------------	---	--

DWG./LOC.: CPL-331B REV-0 / COMPONENT COOLANT ROOM

<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 ERO 4-6-92</u> <del>NDEP 613</del> REV.: <u>0</u>	<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>
---	---

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/> EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>6" SCALE</u>	VIDEO RECORDING NO: <u>N/A</u> TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ERO 4-6-92</u>
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: N/A RECORDABLE INDICATION  
ERO 4-6-92

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-6-92

REVIEWER: Art Purnell LEVEL: II DATE: 4-7-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares 4-10-92 DATE:

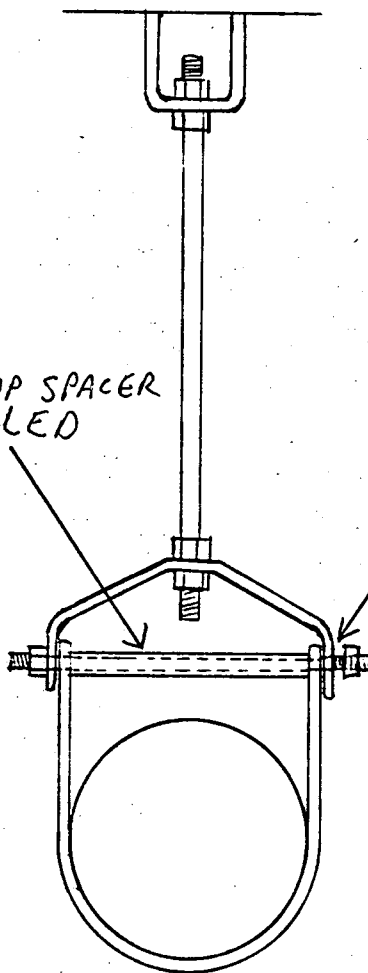
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PAGE 2 OF 2  
DATA SHEET NO. 1097-80  
EXAM ITEM CPL-331B-E  
ISO DWG. NO. CPL 331B REV. 0

## SKETCH SHEET

NO CLAMP SPACER  
INSTALLED

NUT IS NOT TIGHT  
AGAINST STRAP  
 $\frac{3}{16}$ " GAP EXIST  
NUT IS TIGHT



EXAMINER

Charles R. Donohue

LEVEL

II

DATE

4-6-92

EXAMINER

NA

LEVEL

NA

DATE

NA

REVIEWER

Carl P. ...

LEVEL

II

DATE

4-7-92

REVIEWER

Richard B. Weber

DATE

4/10/92

REVIEWER

AM

DATE

**CP&L**  
 Cables Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-226

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 11 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-331B-E</u>
----------------------------	----------------------------------	--

DWG./LOC.: CPL-331B REV-0 / COMPONENT COOL ANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 5-7-92 ~~NOEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <u>N/A</u>
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM AFTER REPAIR

WR/JO 92-AEMQ1

EXAMINER: Richard R. Dorrison LEVEL: II DATE: 5-7-92

REVIEWER: Art Puma LEVEL: II DATE: 5-8-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: 5-12-92 RPL/Calladare DATE: 5-12-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-81

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>BOX RESTRAINT</u>	COMPONENT ID NO.: <u>CPL 331B-F</u>
----------------------------	---	--

DWG./LOC.: CPL-331B REV-0

☒ VT-3 PROCEDURE: GP-1097 ERD 4-8-92  
NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <span style="margin-left: 20px;"><input type="checkbox"/> CONSTANT SUPPORT</span> <input type="checkbox"/> MECHANICAL SNUBBER <span style="margin-left: 20px;"><input type="checkbox"/> VARIABLE SUPPORT</span> <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: N/A RECORDABLE INDICATION  
ERD 4-8-92

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-6-92

REVIEWER: Art Pinner AP LEVEL: II DATE: 4-7-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Arthur B. Weber 4/13/92

REVIEWERS COMMENTS:

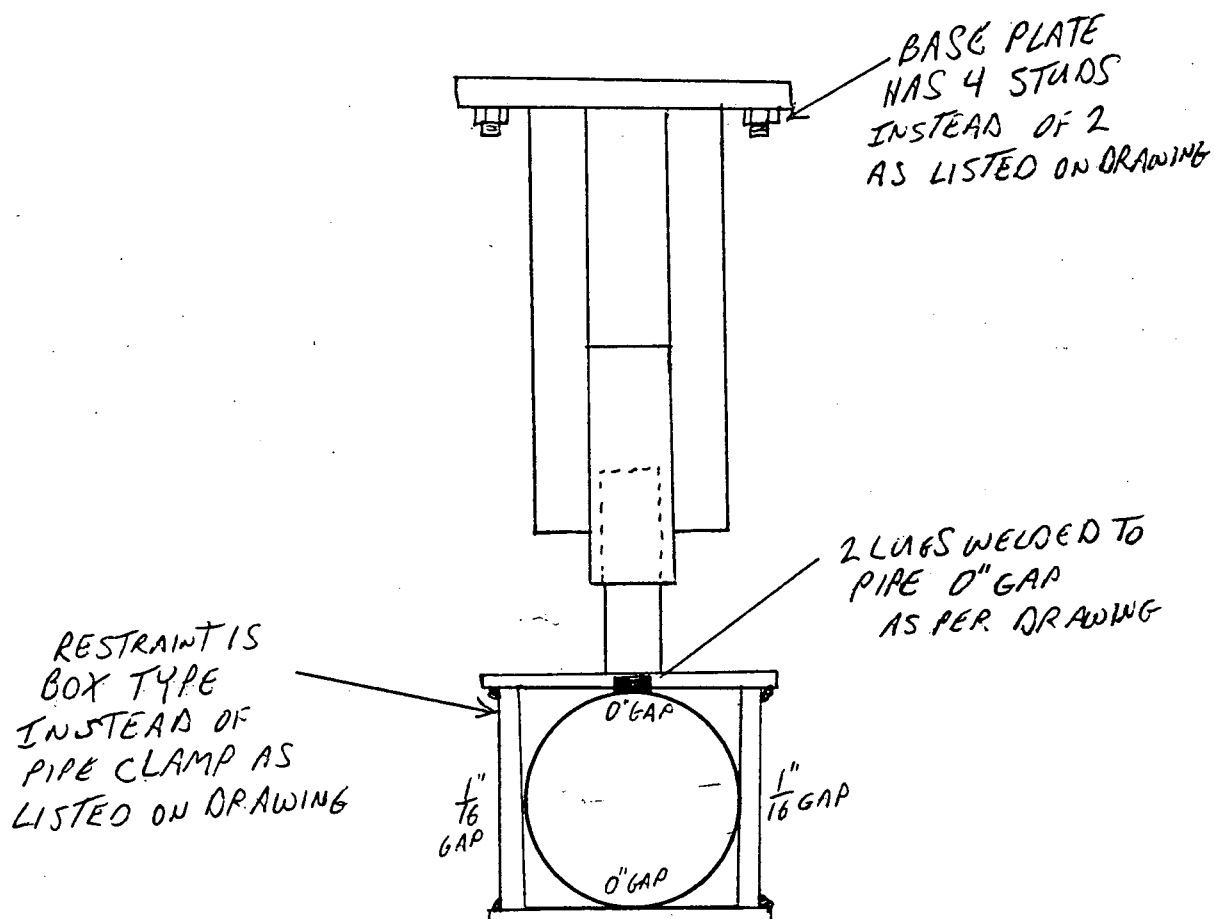
ANII REVIEW: AP Valladares

DATE: 4-14-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-81EXAM ITEM CPL-331B-FISO DWG. NO. CPL 331B REV. 0

## SKETCH SHEET



EXAMINER Edmund L. Dorrer  
EXAMINER NA  
REVIEWER Art Pinner  
REVIEWER Richard S. Kleber  
REVIEWER AM

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/13/92  
DATE \_\_\_\_\_

DATE 4-6-92  
DATE NA  
DATE 4-7-92

## VISUAL EXAMINATION DATA SHEET

 REPORT NO. 109782

 WR&A # N/A

 PAGE 1 OF 1

 PLANT: H B ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>RESTRAINT LUGS</u>	COMPONENT ID NO.: <u>CPL 331B-WS-F</u>
----------------------------	--	---

 DWG./LOC.: CPL 331B REV-0 / COMPONENT COOLANT ROOM

<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 ERD 4692</u> <u>NBEP-613 REV.:</u>	<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>
--	---

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
---	---

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;">N/A</div>
MISALIGNMENT		X		
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY		X		
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

 COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: <u>Edmund R. Donovan</u>	LEVEL: <u>II</u>	DATE: <u>4-6-92</u>
------------------------------------	------------------	---------------------

REVIEWER: <u>Cliff Mass</u> <i>dm</i>	LEVEL: <u>II</u>	DATE: <u>4-9-92</u>
---------------------------------------	------------------	---------------------

 COMPONENT CONDITION:    ☐ SATISFACTORY    ☐ UNSATISFACTORY

 REVIEWED BY: Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

 ANII REVIEW: R Valladares

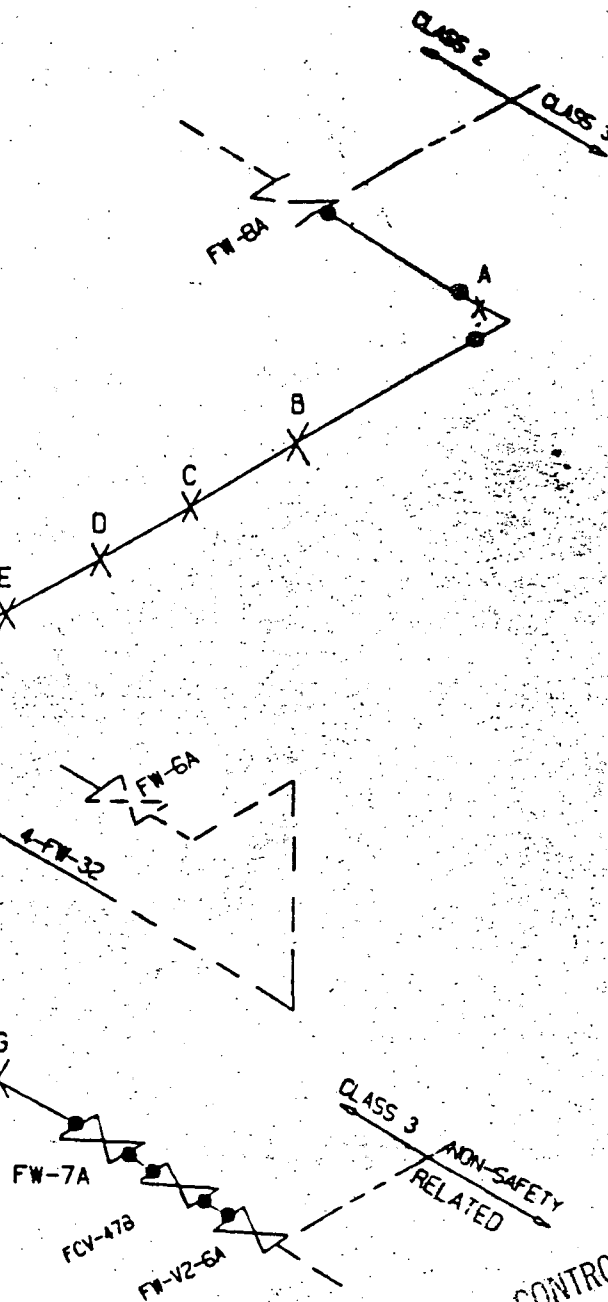
 DATE: 4-10-92

SPRING HANGERS

F

SN/5685

8



CONTROLLED  
RCPT ID 296

CP & L Dwg. No. HBR2-10618 SH 148					
CP & L P.O. No. CPL 51					
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY	DATE
0	RBW	CPL	CLO	CLO	12/13/89

CPL-332 REV.0

H.B. ROBINSON S.E. PLANT			C T E 8 I
UNIT NO. 2			
DESCRIPTION: FEEDWATER SYSTEM			
LINE NO. 16-FW-9	CPL-332	REV.	

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-99

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>FEEDWATER</u>	COMPONENT NAME: <u>HYD. SNUBBER</u>	COMPONENT ID NO.: <u>CPL-332-B</u>
-----------------------------	--	---------------------------------------

DWG./LOC.: CPL-332 REV-0 / TURBINE BLOC.

☒ VT-3 PROCEDURE: SP-1097 ERO 4-10-92 ~~NOEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input checked="" type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION <span style="float: right;">ERO 4-9-92</span>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH FOR GAPS
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>3 1/8" OF RAM</u> <u>8 1/2" TO PIN</u>		STROKE: <u>5"</u>	S/N <u>30084</u>

COMMENTS: RECORDABLE INDICATION RESERVOIR IS 3/4 FULL

EXAMINER: Edmund R. Dore LEVEL: II DATE: 4-9-92

REVIEWER: Art Ruman LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

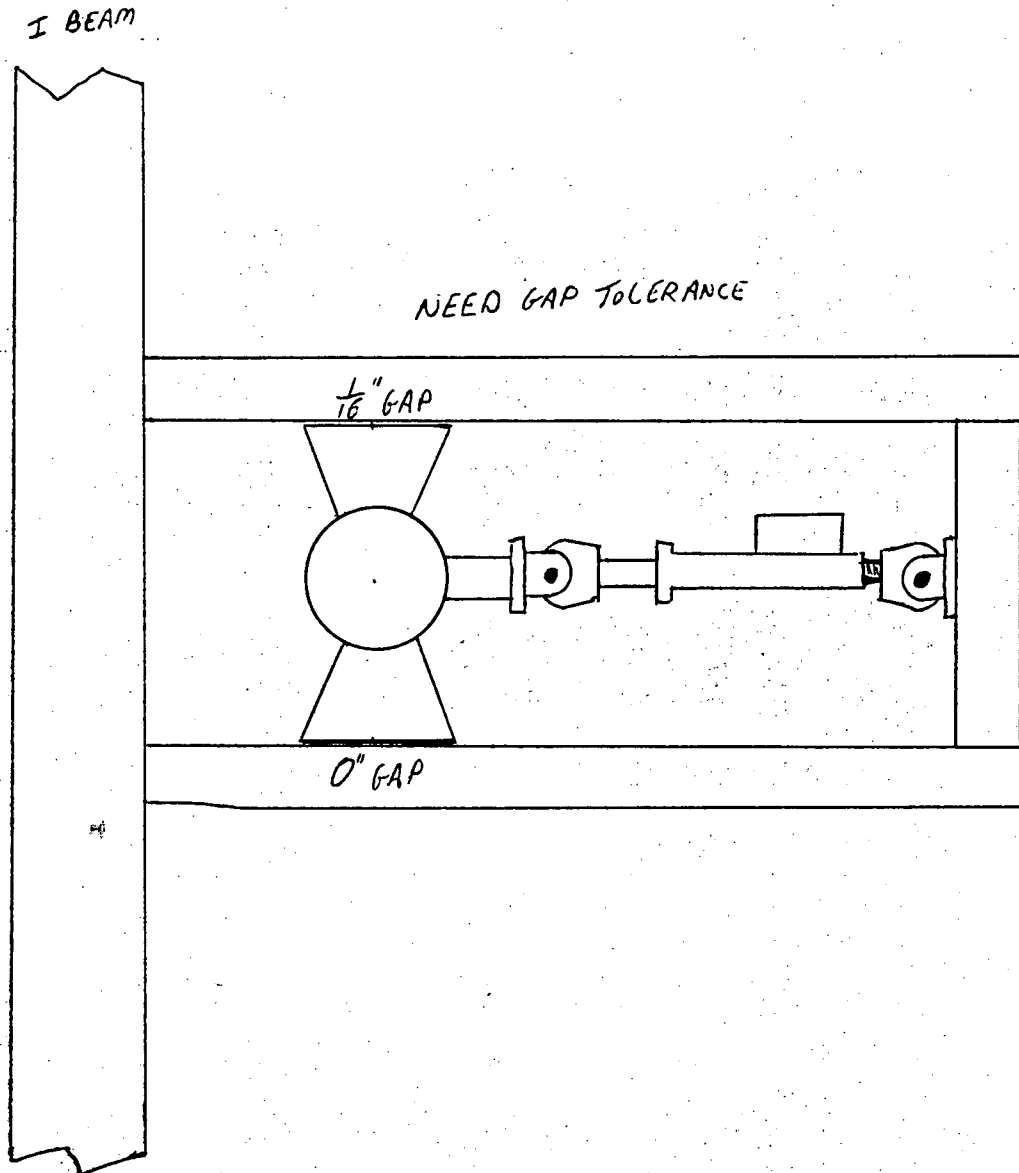
ANII REVIEW: B. P. Valladares DATE: 4.15.92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-99EXAM ITEM CPL-332-BISO DWG. NO. CPL 332 REV. 0

## SKETCH SHEET



EXAMINER Edward L. Donovan

EXAMINER NA

REVIEWER Art Pannan

REVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL II

LEVEL NA

LEVEL II

DATE 4/14/92

DATE \_\_\_\_\_

DATE 4-9-92

DATE NA

DATE 4-11-92

(102)

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-101

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>FEED WATER</u>	COMPONENT NAME: <u>INTEGRAL ATTACHMENT SNUBBER</u>	COMPONENT ID NO.: <u>CPL 332-B WS</u>
------------------------------	--	---------------------------------------

DWG./LOC.: CPL-332 REV-0 / TURBINE BLOC.

☒ VT-3 PROCEDURE: SP 1097 ERO 4992  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input checked="" type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATION

EXAMINER: Edward R. Donovan LEVEL: II DATE: 4-9-92

REVIEWER: Get Purnan LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

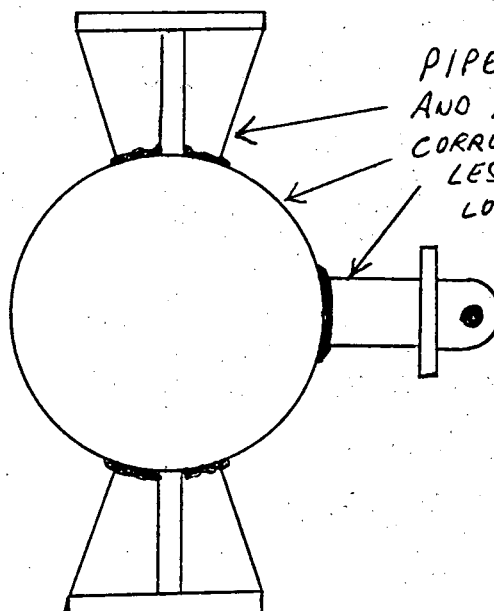
REVIEWERS COMMENTS:

ANII REVIEW: R. P. Villalobos DATE: 4-15-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097701EXAM ITEM CPL-332-B-WSISO DWG. NO. CPL-332 REV. 0

## SKETCH SHEET



PIPE, INTEGRAL WELD  
AND ATTACHMENT ARE  
CORRODED  
LESS THAN 5% MATERIAL  
LOSS

EXAMINER Edmund R. DonovanEXAMINER N/AREVIEWER Art RumanREVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

LEVEL IILEVEL N/ALEVEL IIDATE 4/14/92

DATE \_\_\_\_\_

DATE 4-9-92DATE N/ADATE 4-11-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-102

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 1 1 2 1 PSI X ISI

SYSTEM: <u>FEEDWATER</u>	COMPONENT NAME: <u>RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-332-C</u>
-----------------------------	-------------------------------------	---------------------------------------

DWG./LOC.: CPL 332 REV-0 / TURBINE BLOC. NORTH SIDE

<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 ERO 4-9-92</u> <del>NDEP-613</del> REV.: <u>0</u>	<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.: 0</u>
---	---

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/> EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT		<input checked="" type="checkbox"/>		
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Echmull & Donovan LEVEL: II DATE: 4-9-92

REVIEWER: Q.T. Penner Q.T. LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

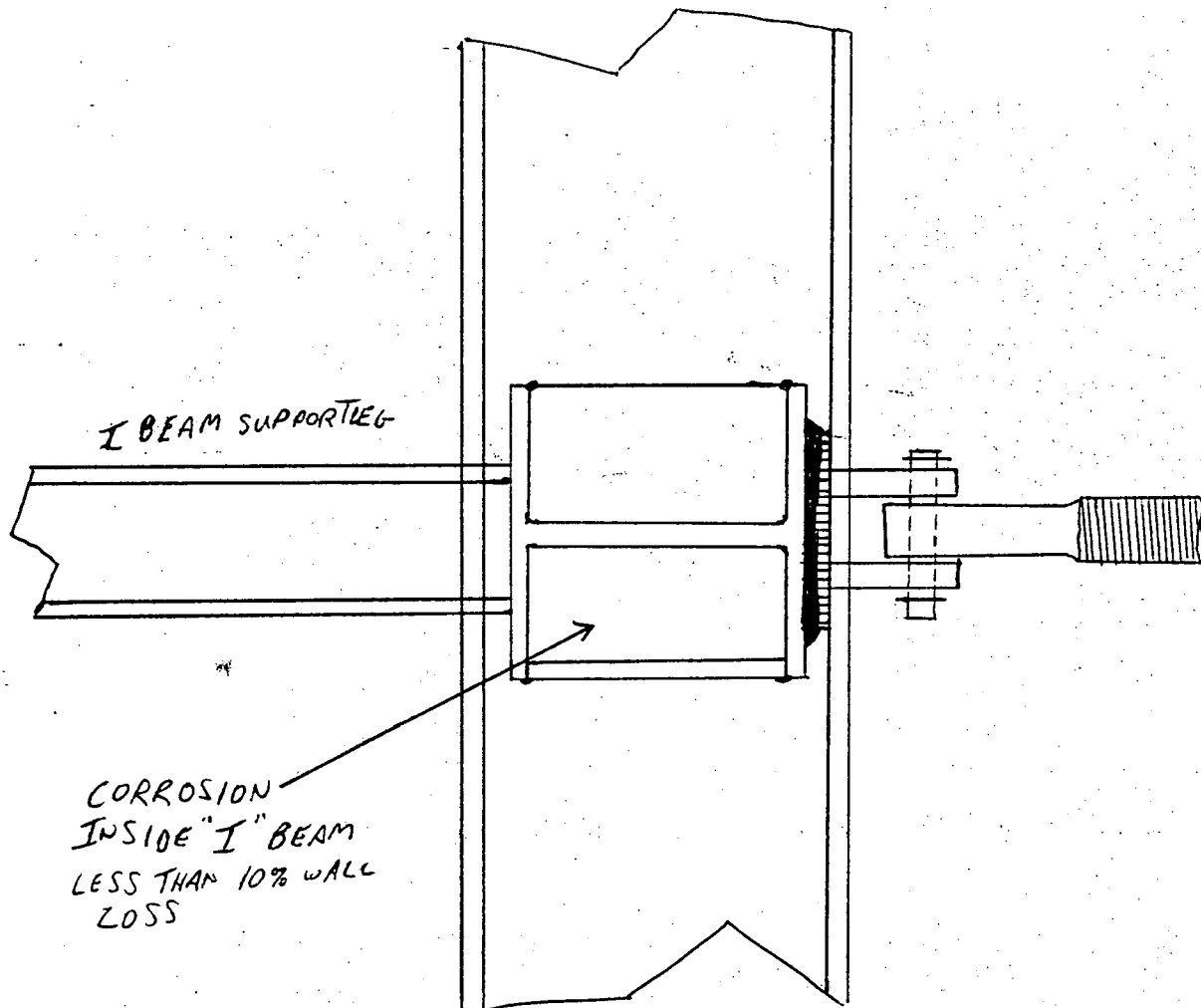
REVIEWERS COMMENTS:

ANII REVIEW: B. Walladane DATE: 4.15-92

# 1105

PAGE 2 OF 2  
DATA SHEET NO. 1097-102  
EXAM ITEM CPL-332-C  
ISO DWG. NO. CPL332 REV. 0

## SKETCH SHEET



EXAMINER Edmund K. Donovan  
EXAMINER NA  
REVIEWER Art P...  
REVIEWER Richard B. Weber  
REVIEWER in

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/14/92  
DATE

DATE 4-9-92  
DATE NTA  
DATE 4-11-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
DATA SHEET**

REPORT NO. 1097-103

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>FEEDWATER</u>	COMPONENT NAME: <u>INTEGRAL ATTACHMENT RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-332-WSC</u>
-----------------------------	--	--------------------------------------

DWG./LOC.: CPL-332 REV-0 / TURBINE B606, NORTH SIDE

☒ VT-3 PROCEDURE: SP1097 NOEP-613 REV.: ERO 49-92 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/> EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION	<input checked="" type="checkbox"/>			<u>SEE ATTACHMENT</u>
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

EXAMINER: <u>Edward R. Dorian</u>	LEVEL: <u>II</u>	DATE: <u>4-9-92</u>
REVIEWER: <u>Art Pinner</u> <i>AP</i>	LEVEL: <u>II</u>	DATE: <u>4-11-92</u>

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

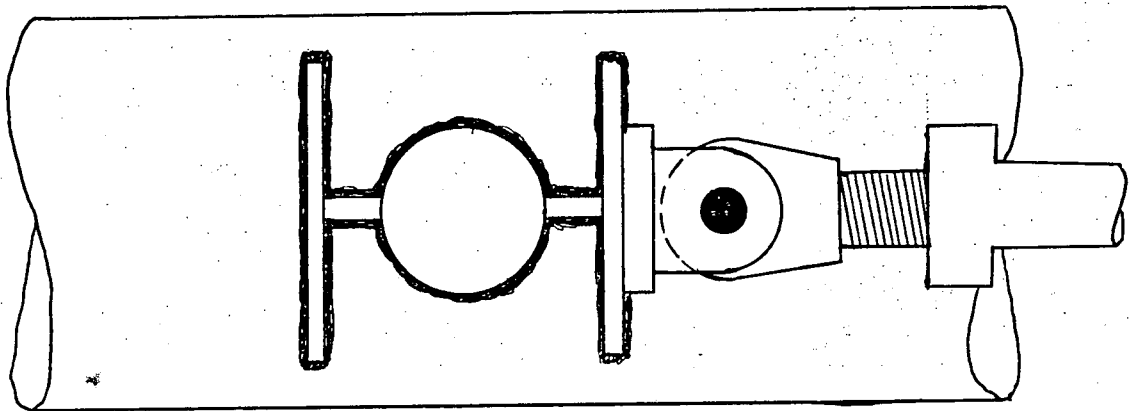
ANII REVIEW: CP Valladarez DATE: 4-15-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-103EXAM ITEM CPL 332 WS-CISO DWG. NO. CPL 332 REV. 0

## SKETCH SHEET

CORROSION ON PIPE, WELD AND ATTACHMENT  
LESS THAN 10% MATERIAL LOSS



EXAMINER Edmund L. Donovan  
EXAMINER NA  
REVIEWER Art P...  
REVIEWER Richard B. Weber  
REVIEWER

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/14/92  
DATE

DATE 4-9-92  
DATE NA  
DATE 4-11-92

EDW





## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097704

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-334A-A</u>
---------------------------------	--------------------------------------	--

DWG./LOC.: CPL 334A REV-0 / TURBINE ALOG

☒ VT-3 PROCEDURE: SP 1097 ERO 49.92 SEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u></u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>			
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-9-92

REVIEWER: Art Pinner DN LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

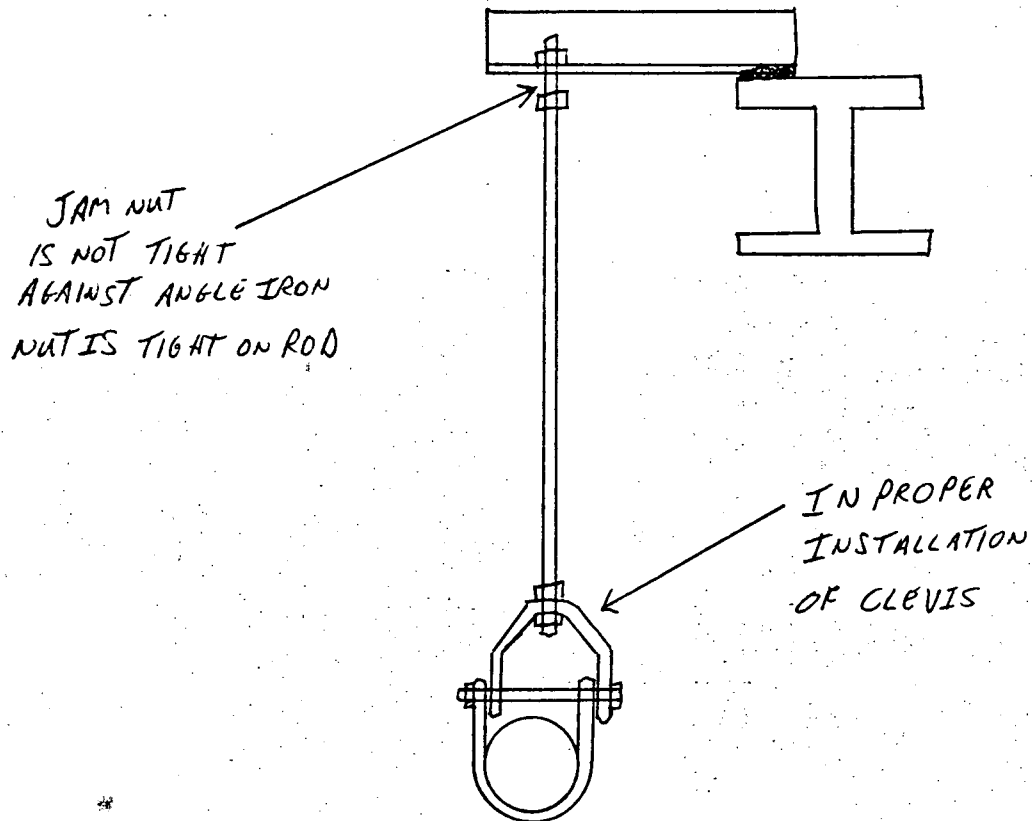
REVIEWERS COMMENTS:

ANII REVIEW: R. Walladaus DATE: 4-15-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-10YEXAM ITEM CPL 334A-AISO DWG. NO. CPL 334A REV. 0

## SKETCH SHEET



EXAMINER Charles L. Dawson  
EXAMINER N/A  
REVIEWER Art Burman  
REVIEWER Richard B. Weber  
REVIEWER DM

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/14/92  
DATE \_\_\_\_\_

DATE 4-9-92  
DATE N/A  
DATE 4-11-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1077-227

WR&A # N/A

PAGE 1 OF 1

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-334A-A</u>
----------------------------	----------------------------------	--

DWG./LOC.: CPL-334A REV-0 / TURBINE BLDG.

☒ VT-3 PROCEDURE: SP 1097 ERD 5-892  
~~NDEP-613~~ REV.: 0      ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 4em; transform: rotate(-45deg); display: inline-block;">N/A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM AFTER REPAIR

WR/JO 92-AEYR1

EXAMINER: Edward R. Danner LEVEL: II DATE: 5-8-92

REVIEWER: Art Rimmer LEVEL: II DATE: 5-9-92

COMPONENT CONDITION: ☐ SATISFACTORY    ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Ballard DATE: 5-12-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097700

WR&A # N/A

PAGE 1 OF 1

PLANT: H B ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-334A-B</u>
---------------------------------	-----------------------------------	--

DWG./LOC.: CPL-334A REV-0 / TURBINE BLDG.

☒ VT-3 PROCEDURE: SP 1097 ERD 4992 ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 2em; transform: rotate(-45deg); display: inline-block;">N/A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-9-92

REVIEWER: Art Ruman DR LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Ballacore DATE: 4.15.92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-102

WR&A # N/A

PAGE 1 OF 1

PLANT: H B ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEED WATER</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-334A-C</u>
----------------------------------	-----------------------------------	--

DWG./LOC.: CPL-334A REV-0 / TURBINE BLDG.

☒ VT-3 PROCEDURE: SP1097 ERO 4-9-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund R Donoran LEVEL: II DATE: 4-9-92

REVIEWER: Art Purnell LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valledares DATE: 4-15-92



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-105

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-334A-C1</u>
---------------------------------	-----------------------------------	---

DWG./LOC.: CPL-334A REV-0 / TURBINE BLAD.

☒ VT-3 PROCEDURE: SP-1097 ERO 4-9-92  
NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-9-92

REVIEWER: Art Pinner LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Harold B. Weber 4/14/92

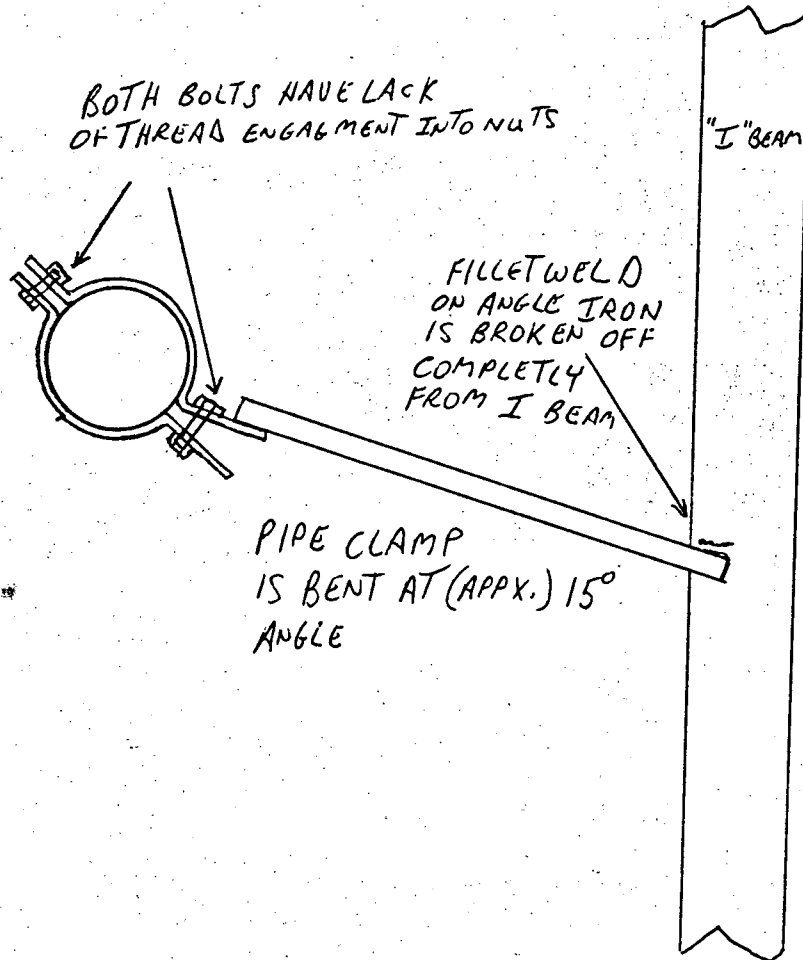
REVIEWERS COMMENTS:

ANII REVIEW: Q. P. Villalobos DATE: 4.15.92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-05  
EXAM ITEM <sup>ERO</sup>4-1497 ~~CPL-332-C1~~ CPL-334A-c1  
ISO DWG. NO. CPL 334A REV. 0

## SKETCH SHEET



EXAMINER Elmer L. Donovan  
EXAMINER N/A  
REVIEWER Art Pinner  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/14/92  
DATE \_\_\_\_\_

DATE 4-9-92  
DATE N/A  
DATE 4-11-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-106

WR&A # N/A

PAGE 1 OF 1

PLANT: NB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>RESTRAINT</u>	COMPONENT ID NO.: <u>CPL 334A D</u>
---------------------------------	-------------------------------------	--

DWG./LOC.: CPL 334A REV-0 / AT NORTH WEST CORNER TURBINE BLDG

☒ VT-3 PROCEDURE: SP 1097 ER 14592 NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-9-92

REVIEWER: Ed P. ... LEVEL: II DATE: 4-11-92

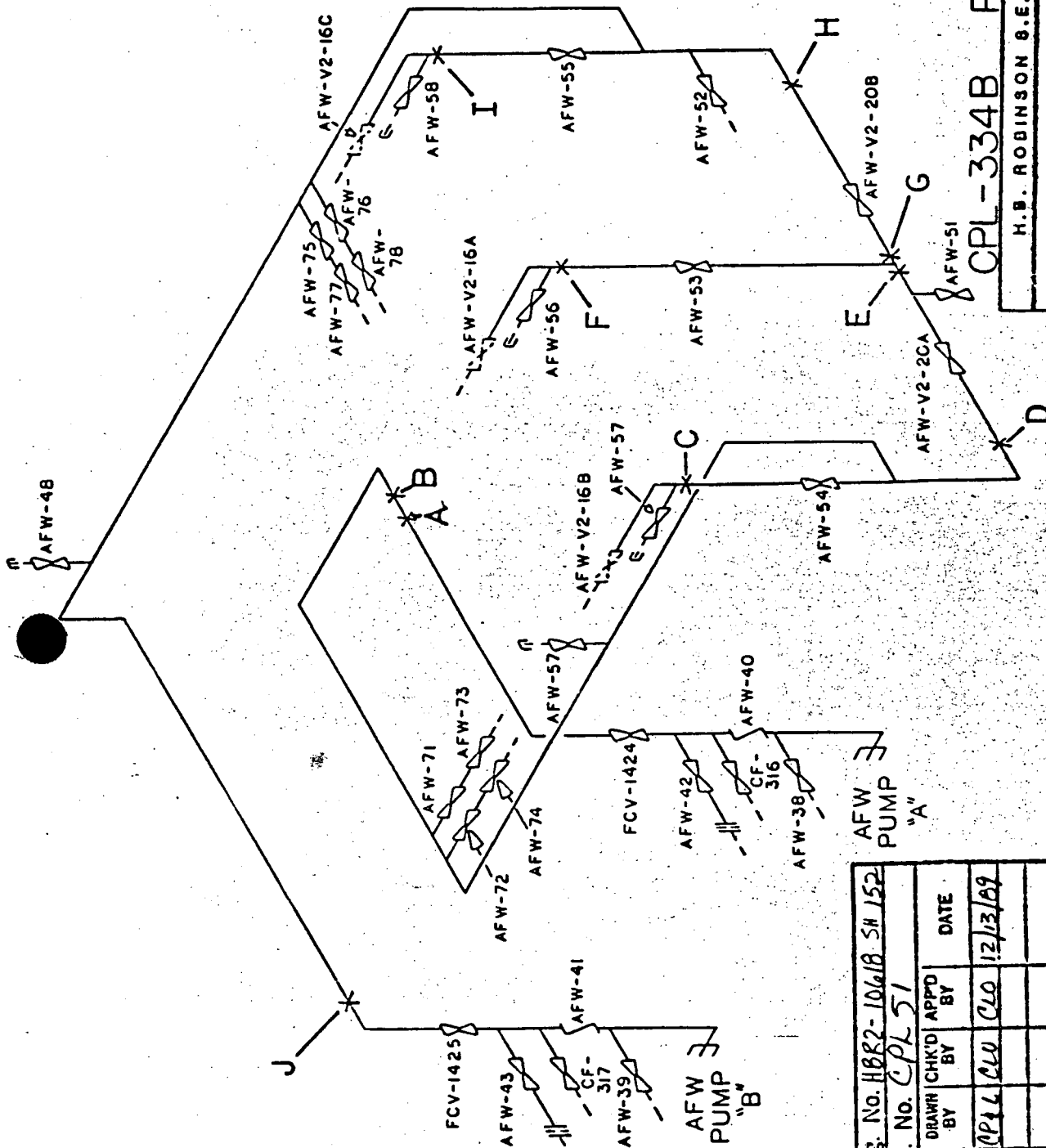
COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: PP Valladares DATE: 4-13-92





CONTROLLED  
RCPT ID 296

CP & L Dwg. No. HBR2-10618 SH 152			
CP & L P.O. No. CPL 51			
DWG. REV.	FIELD VERIFIED BY	DRAWN CHK'D APP'D BY	DATE
0	RBW	APL CLO	12/13/89

CPL-334B REV. 0

H.B. ROBINSON S.E. PLANT	C
UNIT NO. 2	P
Description AUX. FEED. & COND. ≤ 4" DIA. &	
Line No.	CPL 334 Rev. 0



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-109

WR&A # 4

PAGE 1 OF 2

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

COMPONENT

COMPONENT

AUX FEEDWATER

NAME:

RESTRAINT

ID NO.:

CPL-334B-A

DWG./LOC.: CPL 334B REV-0

AUX FEED PUMP ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4-9-92  
NDEP-613 REV.: 0

☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒

REMOTE ☒

VIDEO RECORDING NO:

☒ N/A

EQUIPMENT USED:

TYPE OF COMPONENT SUPPORT:

☒ FLASHLIGHT

☒ MIRROR

☐ HYDRAULIC SNUBBER

☐ CONSTANT SUPPORT

☐ OTHER

☐ MECHANICAL SNUBBER

☐ VARIABLE SUPPORT

☒ SUPPORT/HANGER

CONDITION  
Present

YES

NO

N/A

COMMENTS

FASTENING DEVICES

☒

SEE ATTACHED SKETCH

MISALIGNMENT

☒

DEBRIS

☒

CORROSION/EROSION

☒

STRUCTURAL INTEGRITY

☒

SEE ATTACHED SKETCH

RESISTANCE TO MOVEMENT

☒

CLEARANCES OF MOVING PARTS

☒

ARC STRIKES/GOUGES

☒

VARIABLE/CONSTANT SUPPORT

ACTUAL: N/A

SNUBBER

ACTUAL: N/A

STROKE: N/A

S/N N/A

COMMENTS: RECORDABLE INDICATION

EXAMINER: Edward R. Donovan

LEVEL: II

DATE: 4-9-92

REVIEWER: Art Pinner

DP

LEVEL: III

DATE: 4-11-92

COMPONENT CONDITION:

☐

SATISFACTORY

☐

UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

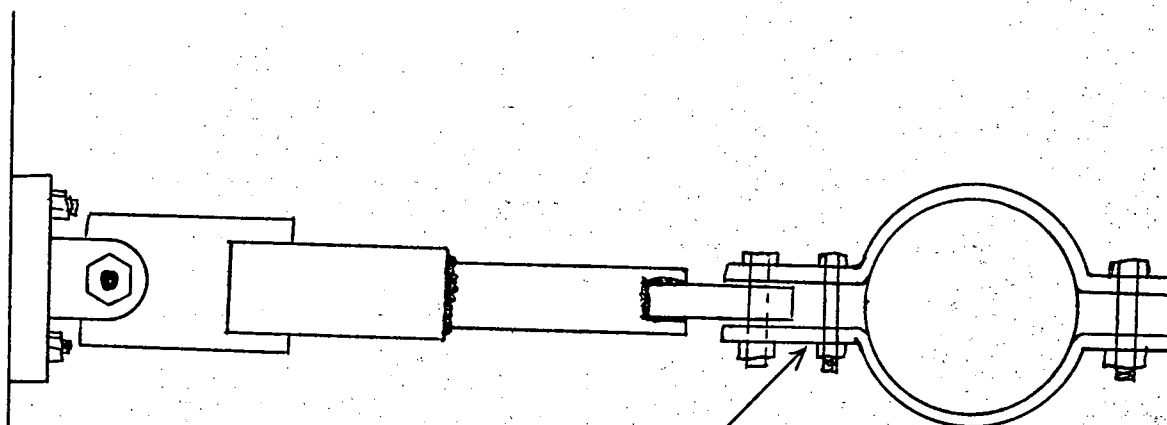
ANII REVIEW: AP Valladares

DATE: 4-15-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-109EXAM ITEM CPL-3348-AISO IDWG. NO. CPL 3348 REV. 0

## SKETCH SHEET



NO PIPE  
CLAMP SPACER INSTALLED

EXAMINER Edmund R. Donnan  
EXAMINER NA  
REVIEWER Oct. P. P.  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/14/92  
DATE \_\_\_\_\_

DATE 4-9-92  
DATE NA  
DATE 4-11-92

(1125)

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-278

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-334B-A</u>
----------------------------	-------------------------------------	--

DWG./LOC.: CPL-334B REV-0 / AUX PUMP ROOM

<del>[X]</del> VT-3 PROCEDURE: <u>SP 1097 ERO 5-8-92</u> <del>NDEP-613</del> REV.: <u>0</u>	<u>[ ]</u> VT-4 PROCEDURE: <u>614</u> REV.:
--	---

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
<input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR	<input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT
	<input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 4em; transform: rotate(-45deg); display: inline-block;">/</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS  
RE-EXAM AFTER REPAIR WR/JO 92 AEXW1

EXAMINER: Charles P. Dawson LEVEL: II DATE: 5-8-92

REVIEWER: Art Purnan LEVEL: II DATE: 5-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 5-12-92

**CP&L**  
Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-253

WR&A # N/A

PAGE 1 OF 2

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-3348-E</u>
---------------------------------	-----------------------------------	--

DWG./LOC.: CPL-3348 REV-0 / AUX FEED PUMP ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 5-4-92 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		

VARIABLE/CONSTANT SUPPORT ACTUAL: N/A

SNUBBER ACTUAL: N/A STROKE: N/A S/N N/A

COMMENTS: RECORDABLE INDICATIONS CHECK TAPS FOR N.E.D.

SUPPORT SHARES BASE PLATE WITH CPL-3348-G

EXAMINER: Elmer R. Dawson LEVEL: II DATE: 5-4-92

REVIEWER: Art Pinner LEVEL: II DATE: 5-6-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 5-13-92

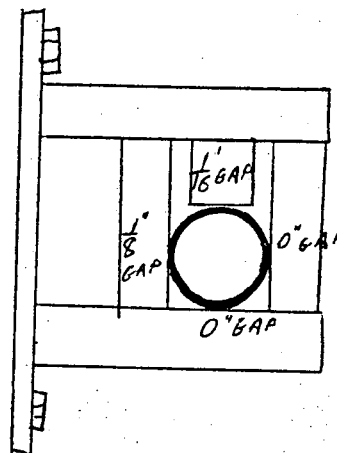
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PAGE 2 OF 2

DATA SHEET NO. \_\_\_\_\_

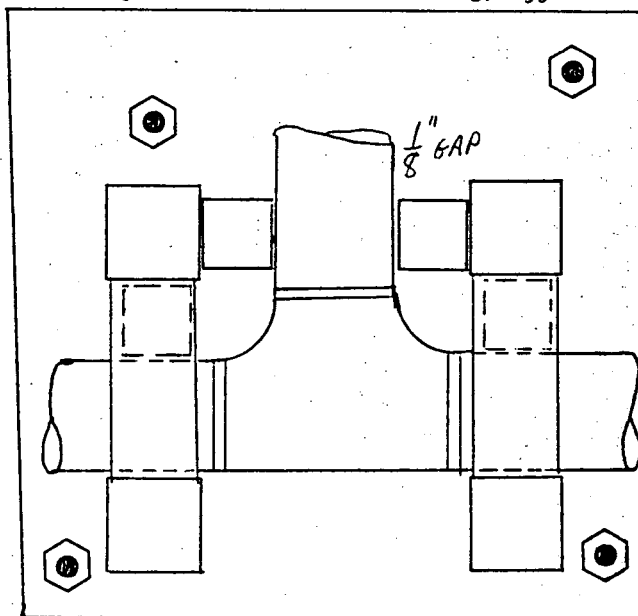
EXAM ITEM CPL-334B-EISO DWG. NO. CPL-334B REV. 0

## SKETCH SHEET



CPL-334B-G

CPL-334B-E



EXAMINER

Edmund K. Dawson

EXAMINER

NA

LEVEL

II

DATE

5-4-92

REVIEWER

Art Pinner

LEVEL

II

DATE

5-6-92

REVIEWER

Richard A. Weber

DATE

5/9/92

REVIEWER

DATE



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-108

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>BOX RESTRAINT</u>	COMPONENT ID NO.: <u>CPL-334B-G</u>
---------------------------------	---	--

DWG./LOC.: CPL 334B REV-0 / AUX FEED PUMP ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4.9.92  
NDEP 613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input checked="" type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH FOR GAPS
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Edward Donovan LEVEL: II DATE: 4-9-92

REVIEWER: Art P... DD LEVEL: II DATE: 4-11-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Viter 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares

DATE: 4-15-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-208EXAM ITEM <sup>ERO</sup>4-151 ~~CPL-338B-G~~ CPL 334B-GISO DWG. NO. <sup>ERO</sup>4-151 ~~CPL-338B~~ ~~CPL-334B~~ REV. 0

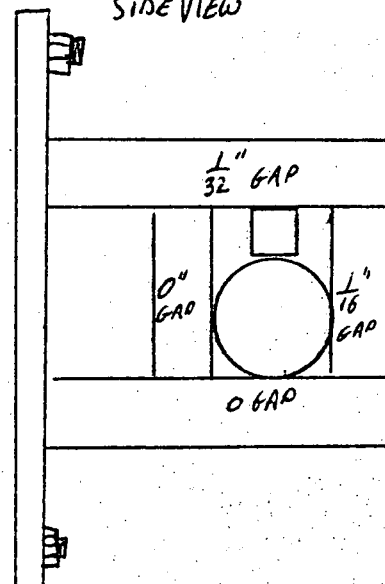
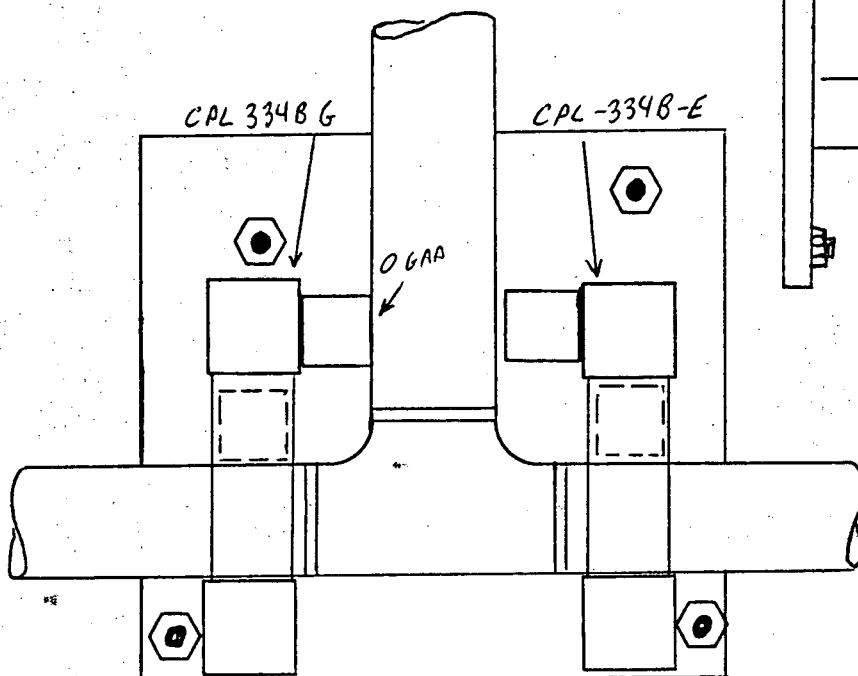
CPL 334B

## SKETCH SHEET

LOOKING SOUTH  
SIDE VIEW

ALL TUBE STEEL

LOOKING EAST

EXAMINER Edmund R. DonovanEXAMINER N/AREVIEWER Git P...REVIEWER Richard B. Weber

REVIEWER \_\_\_\_\_

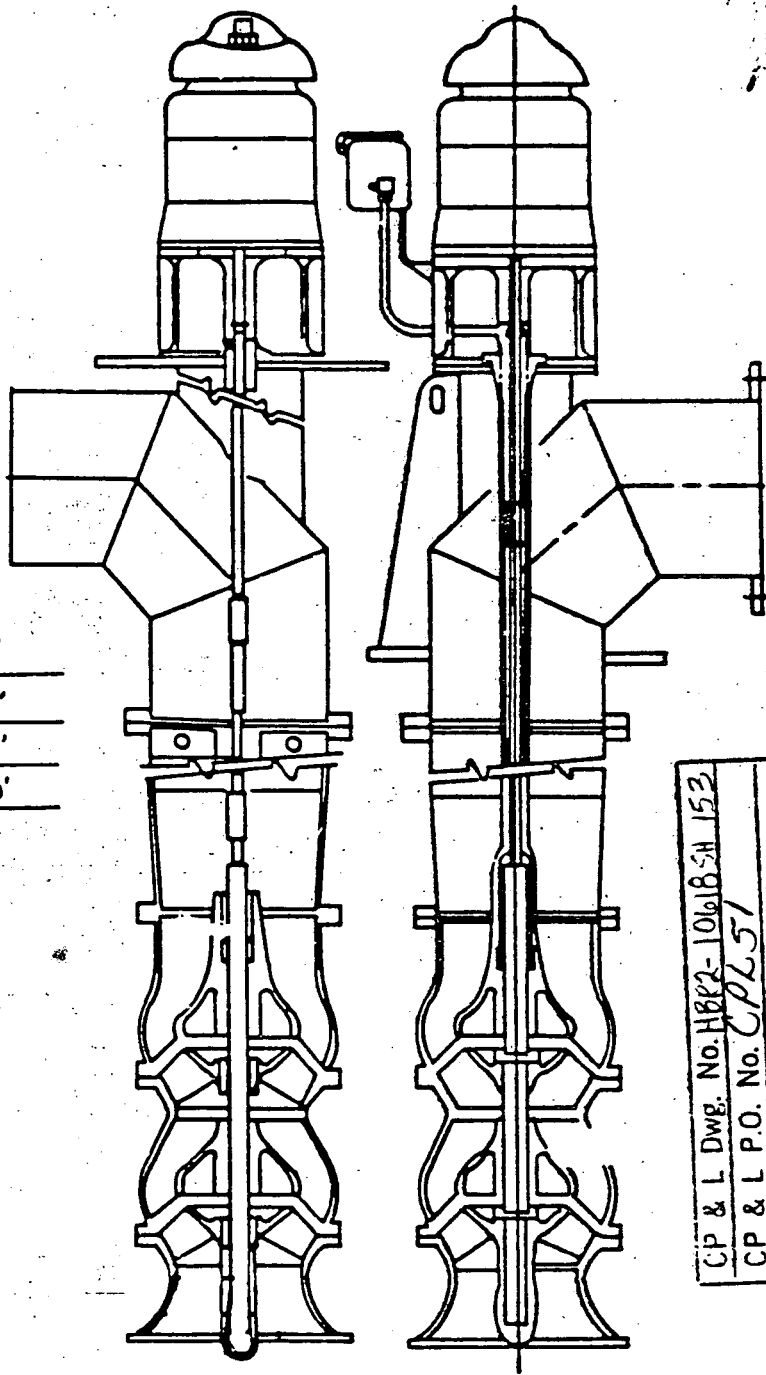
LEVEL IILEVEL N/ALEVEL IIDATE 4/14/92

DATE \_\_\_\_\_

DATE 4-9-92DATE N/ADATE 4-11-92



PUMP 'A' SUPPT. 'A'  
 PUMP 'B' SUPPT. 'B'  
 PUMP 'C' SUPPT. 'C'  
 PUMP 'D' SUPPT. 'D'



CP & L Dwg. No. H882-10618-SN 153			
CP & L P.O. No. CPL51			
DWG. REV.	FIELD VERIFIED BY	DRAWN CHK'D BY	DATE
0	RBN	CPAL	12/13/89

CPL-335 REV.0

H. B. ROBINSON S. E. PLANT	
UNIT NO. 2	
DESCRIPTION: SERVICE WATER PUMP(1)	
LINE NO. N/A	CPL-335 REV.

CONTROLLED  
 RCPT ID: 296

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-176

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SW</u>	COMPONENT NAME: <u>PUMP SUPPORT</u>	COMPONENT ID NO.: <u>CPL 335 - PUMPA</u>
-------------------	-------------------------------------	--

DWG./LOC.: CPL 335 REV 0 / INTAKE STRUCTURE

[X] VT-3 PROCEDURE: <sup>SP 1097 AP 4-16-92</sup> ~~NDEP 613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: <u>[X]</u> FLASHLIGHT <u>[X]</u> MIRROR <u>[ ]</u> OTHER _____	TYPE OF COMPONENT SUPPORT: <u>[ ]</u> HYDRAULIC SNUBBER <u>[ ]</u> CONSTANT SUPPORT <u>[ ]</u> MECHANICAL SNUBBER <u>[ ]</u> VARIABLE SUPPORT <u>[X]</u> SUPPORT/HANGER
--	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS	✓			SEE ATTACHMENT
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY	✓			SEE ATTACHMENT
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS

EXAMINER: Art Ruman LEVEL: II DATE: 4-16-92

REVIEWER: Chiff Moss @M LEVEL: II DATE: 4-18-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber #21/92

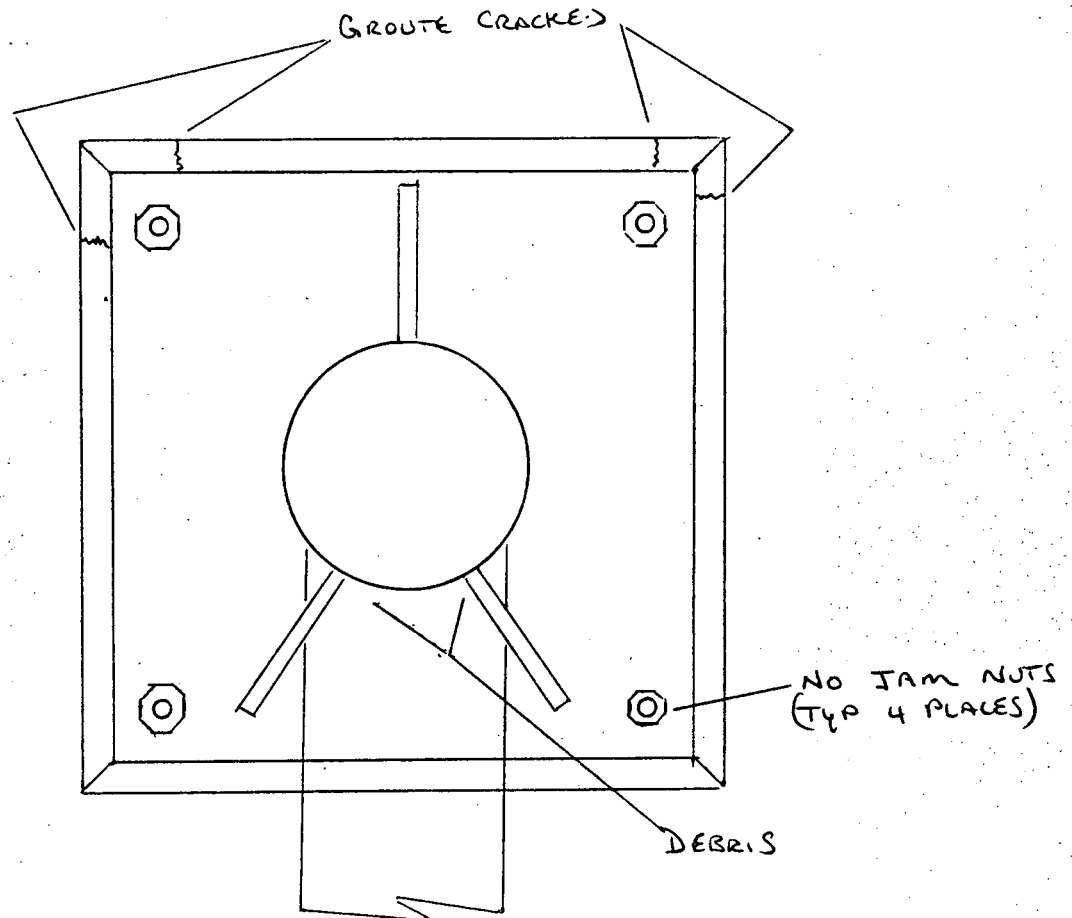
REVIEWERS COMMENTS:

ANII REVIEW: PP Valladane DATE: 4-23-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-776EXAM ITEM CPL 335 - PUMP AISO DWG. NO. CPL 335 REV. 0

## SKETCH SHEET



SW Pump A

EXAMINER Get P...  
EXAMINER N/A  
REVIEWER C. J. Mose  
REVIEWER Michael B. Weber  
REVIEWER DA

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/21/92  
DATE \_\_\_\_\_

DATE 4-16-92  
DATE N/A  
DATE 4-18-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-177

WR&A # N/A

PAGE 1 OF 1

PLANT: H. B. ROBINSON

UNIT [ ] 1 [x] 2 [ ] PSI [x] ISI

SYSTEM:

SW

COMPONENT

NAME: PUMP SUPPORT

COMPONENT

ID NO.: CPL 335-PumpA-WS

DWG./LOC.: CPL 335 REV 0 / INTAKE STRUCTURE

[x] VT-3 PROCEDURE: <sup>SP1097</sup>~~NDEP-613~~ <sup>AP 4-16-92</sup> REV.: 0

[ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [x] REMOTE [x]

VIDEO RECORDING NO:

[x] N/A

EQUIPMENT USED:

[x] FLASHLIGHT [x] MIRROR  
[ ] OTHER

TYPE OF COMPONENT SUPPORT:

[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[x] SUPPORT/HANGER

CONDITION  
Present

YES NO N/A

COMMENTS

FASTENING DEVICES

MISALIGNMENT

DEBRIS

CORROSION/EROSION

STRUCTURAL INTEGRITY

RESISTANCE TO MOVEMENT

CLEARANCES OF MOVING PARTS

ARC STRIKES/GOUGES

VARIABLE/CONSTANT SUPPORT

ACTUAL: N/A

SNUBBER

ACTUAL: N/A

STROKE: N/A

S/N N/A

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER:

Art P...

LEVEL: II

DATE: 4-16-92

REVIEWER:

Chf Moss

LEVEL: II

DATE: 4-18-92

COMPONENT CONDITION:

[ ] SATISFACTORY

[ ] UNSATISFACTORY

REVIEWED BY:

Richard A. Weber 4/21/92

REVIEWERS COMMENTS:

ANII REVIEW:

DATE:

A' PUMP Seal Cooler SUPPT. - A'  
 A' PUMP Seal Cooler SUPPT. - B'  
 B' PUMP Seal Cooler SUPPT. - A'  
 B' PUMP Seal Cooler SUPPT. - B'  
 C' PUMP Seal Cooler SUPPT. - A'  
 C' PUMP Seal Cooler SUPPT. - B'

CP & L Dwg. No. H882-10618 SH. 156			
CP & L P.O. No. CPL 51			
DWG. REV.	FIELD VERIFIED BY	DRAWN CHK'D APP'D BY	DATE
0	BBW	CPL CLO	12/13/89

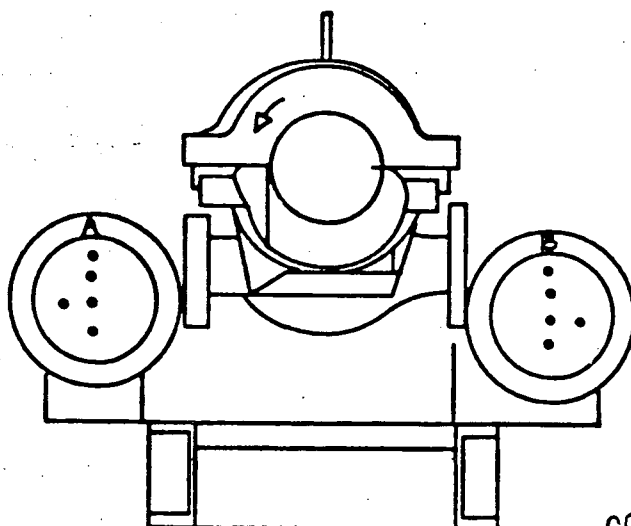
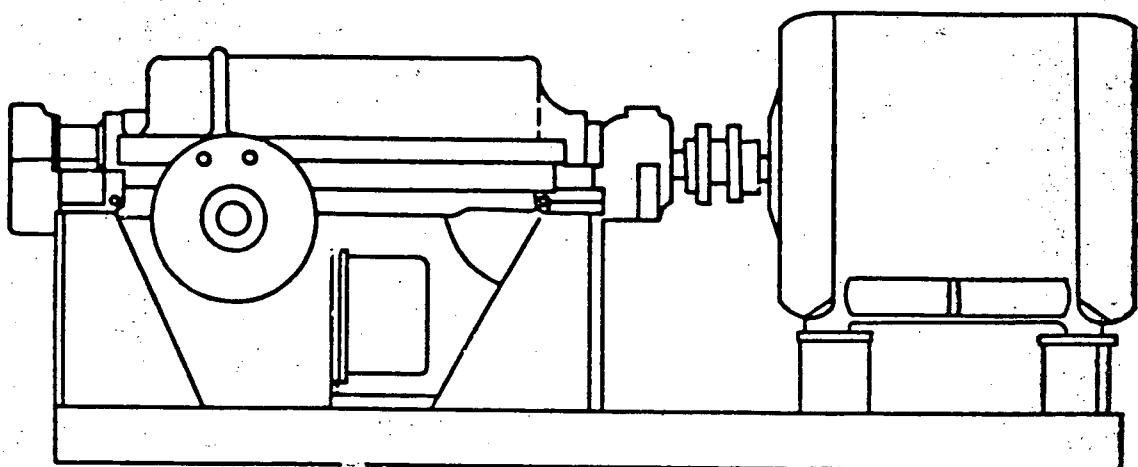
CPL-338 REV.0

H. B. ROBINSON S. E. PLANT

- UNIT NO. 2

DESCRIPTION: SIS PUMP SEALER COOLER 121

LINE NO. N/A CPL-338 REV.



CONTROLLED  
RCPT ID 296

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-178

WR&A # N/A

PAGE 1 OF 2 <sup>AP-16-92</sup>

PLANT: H. B. ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISI

SYSTEM: <u>SI</u>	COMPONENT NAME: <u>SEAL COOLER SUPPORT</u>	COMPONENT ID NO.: <u>CPL 338 - A SI COOLER A</u>
-------------------	--	--

DWG./LOC.: CPL 338 REV 0 / SI PUMP ROOM

[x] VT-3 PROCEDURE: <sup>SP1097 AP-16-92</sup>NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT [x] REMOTE [x] VIDEO RECORDING NO: [x] N/A

EQUIPMENT USED: [x] FLASHLIGHT [x] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [x] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		N/A
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

THIS COMPONENT DOES NOT HAVE AN INTEGRALLY WELDED ATTACHMENT

EXAMINER: Art Pinner LEVEL: II DATE: 4-16-92

REVIEWER: Chf Malar LEVEL: II DATE: 4-18-92

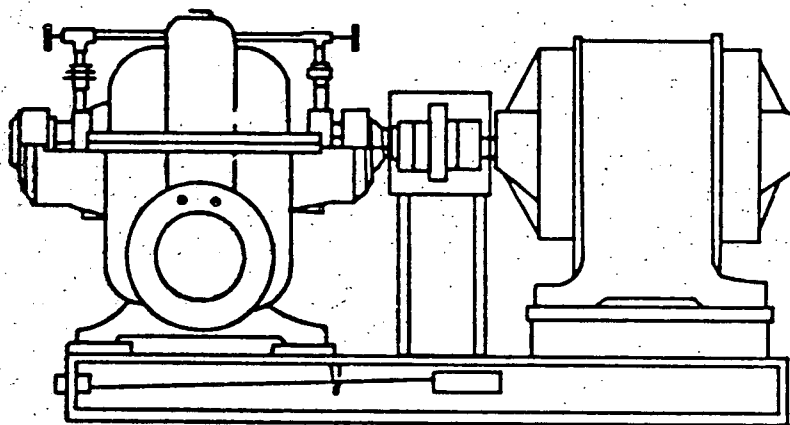
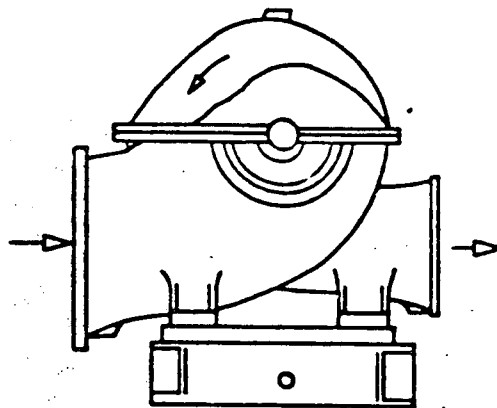
COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/21/92

REVIEWERS COMMENTS:

ANII REVIEW: R Phalladars DATE: 4-21-92

CP & L DWG. No. 1022-10610 SH-159				
CP & L P.O. No. CPL 51				
DWG. REV.	FIELD VERIFIED BY	DRAWN CHK'D BY	APPR'D BY	DATE
0	REW	OPIL	CLO	12/13/89



PUMP 'A' SUPPT. 'A'  
PUMP 'B' SUPPT. 'B'  
PUMP 'C' SUPPT. 'C'

CONTROLLED  
RCPT ID 296

CPL-341 REV.0

H. B. ROBINSON S. E. PLANT	
UNIT NO. 2	
DESCRIPTION: COMP. COOLING PUMP (3)	
LINE NO	N/A
REV	REV

**CP&L**  
 Carolina Power & Light Company  
**VISUAL EXAMINATION  
 DATA SHEET**

REPORT NO. 1097-83

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT <u>COOLANT</u>	COMPONENT NAME: <u>PUMP BASE</u>	COMPONENT ID NO.: <u>CPL-341-A</u>
-------------------------------------	----------------------------------	------------------------------------

DWG./LOC.: CPL-341 REV.0 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP-1097 ERD 4-6-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N/A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: PUMP LEGS ARE PART OF PUMP CASTING AND ARE BOLTED TO PEDISTEL.  
NO INTEGRAL ATTACHMENT EXISTS  
NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-6-92

REVIEWER: Cliff Mass Dr LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: RBW 4/10/92 Richard B. Weber 4/10/92

REVIEWERS COMMENTS:

ANII REVIEW: RBW DATE: 4-10-92



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097 249

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ 1 ] [X] 2 [ ] PSI [X] ISI

SYSTEM: COMPONENT COOLANT COMPONENT NAME: SUPPOR ATTACHMENT INTEGRAL COMPONENT ID NO.: CPL 341-A-WS

DWG./LOC.: CPL-341 REV.-0 / COMPONENT COOLANT ROOM

SP1097ERO 5-4-92  
[X] VT-3 PROCEDURE: NDP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT:  
[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	
MISALIGNMENT		X		
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY		X		
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

PUMP LEGS ARE PART OF PUMP CASTING NO WELD EXIST

EXAMINER: Edward R. Darn LEVEL: II DATE: 5-4-92

REVIEWER: Art Puma LEVEL: II DATE: 5-6-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/9/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Vallejos DATE: 5-13-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-84

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>PUMP BASE</u>	COMPONENT ID NO.: <u>CPL-341-B</u>
-------------------------------------	-------------------------------------	---------------------------------------

DWG./LOC.: CPL 341 REV-0 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 46-92  
#BEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>			<u>PUMP BASE HAS CRACK IN SUPPORT LEG</u> <u>SEE ATTACHED SKETCH FOR LOCATION</u>
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATION

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-8-92

REVIEWER: Cliff Moss MD LEVEL: II DATE: 4-9-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/10/92

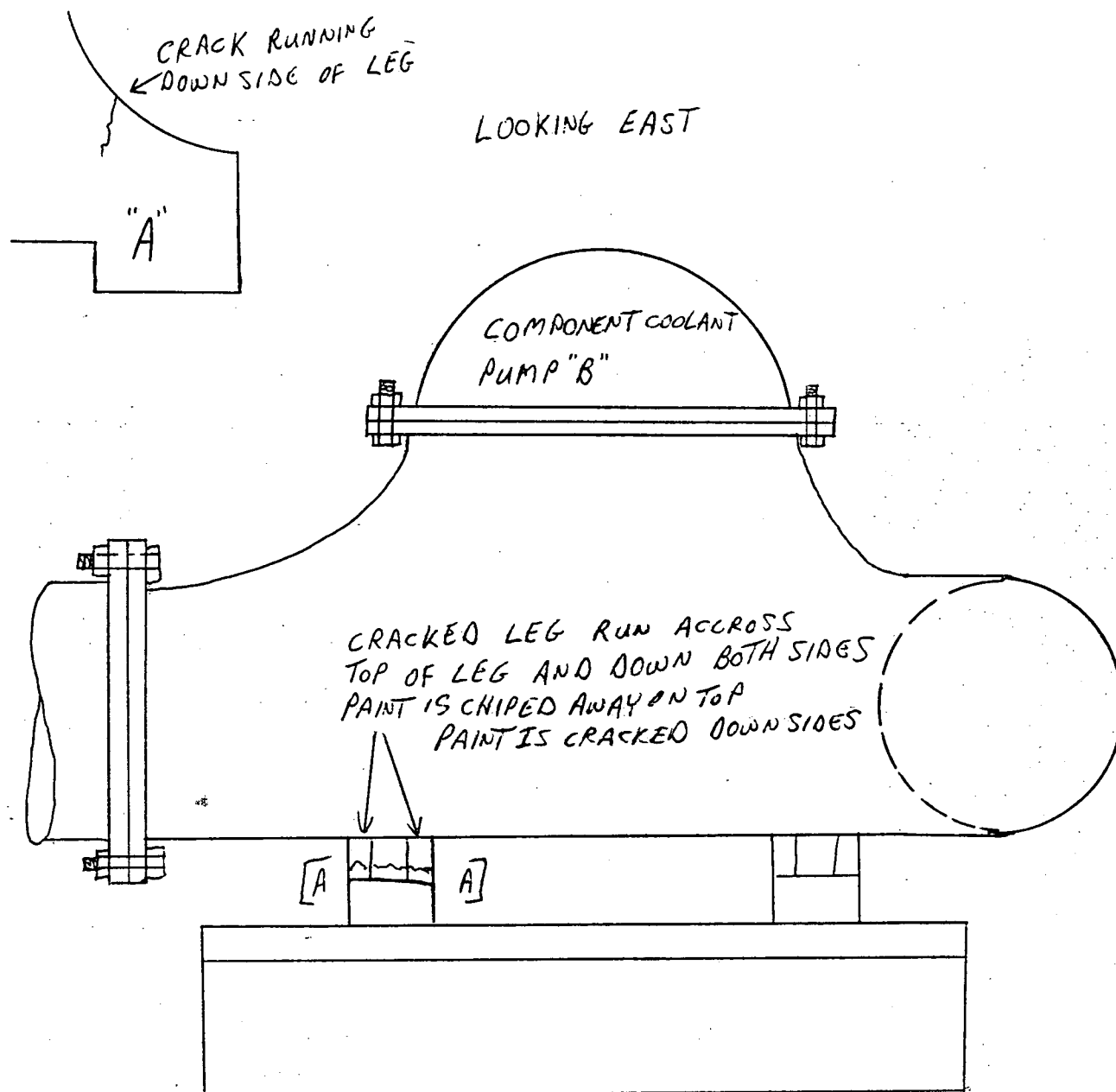
REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4-10-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-84EXAM ITEM CPL-341-BISO DWG. NO. CPL-341 REV. 0

## SKETCH SHEET



EXAMINER Edward R. Dawson  
EXAMINER NA  
REVIEWER Art Pungum  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/10/92  
DATE \_\_\_\_\_

DATE 4-6-92  
DATE NA  
DATE 4-7-92

AM

PROCEDURE SP1091  
REVISION 0 F.C. NO. N/A  
PAGE 1 OF 3

SYSTEM EXAMINED CCW ISO/DWG/SK. # CPL 341 REVISION 0  
DATUM POINT REFERENCE N/A

\* REQUIRED FOR WET METHODS ONLY

**MAGNETIC PARTICLES**

Dry ☒ Wet ☐

Make N/A

Type N/A

Batch No. N/A

Color RED

## EQUIPMENT

Yoke ☒ Coil ☐ Prod ☐

Make N/A

Serial No. NDE 88-012

AC ☒ DC ☐

AMP Turns N/A

AMPS N/A

Pole Spacing 3-6 "

Yoke Lift Test

Yes ☐ No ☒

[illegible]

EXAMINER Cert Rennie  
EXAMINER N/A  
REVIEWER Dale Murdoch  
REVIEWER Richard B. Weber  
REVIEWER

LEVEL III  
LEVEL N/A  
LEVEL III  
DATE 5/9/92  
DATE

DATE 4-16-92  
DATE N/A  
DATE 5/5/92

PROCEDURE SP 1095  
REVISION 0 F.C. NO. N/A  
PAGE 2 OF 3

SYSTEM EXAMINED CCW ISO/DWG/SK. # CPL 341 REVISION 0  
DATUM POINT REFERENCE N/A

	BRAND NAME	TYPE	BATCH NO.	DRYING/DWELL TIME
CLEANER	<u>SPOT CHECK</u>	<u>SKC-NF</u>	<u>91M01P</u>	<u>5 MINUTES</u>
PENETRANT	<u>SPOT CHECK</u>	<u>SKB-HF/S</u>	<u>90H03K</u>	<u>15 MINUTES</u>
REMOVER	<u>SPOT CHECK</u>	<u>SKC-NF</u>	<u>91M01P</u>	<u>5 MINUTES</u>
DEVELOPER	<u>SPOT CHECK</u>	<u>SKD-NF</u>	<u>90L03P</u>	<u>7 MINUTES</u>

[illegible]

EXAMINER Cliff Funn  
EXAMINER N/A  
REVIEWER Dale Muehlbach  
REVIEWER Richard B. Weber  
REVIEWER

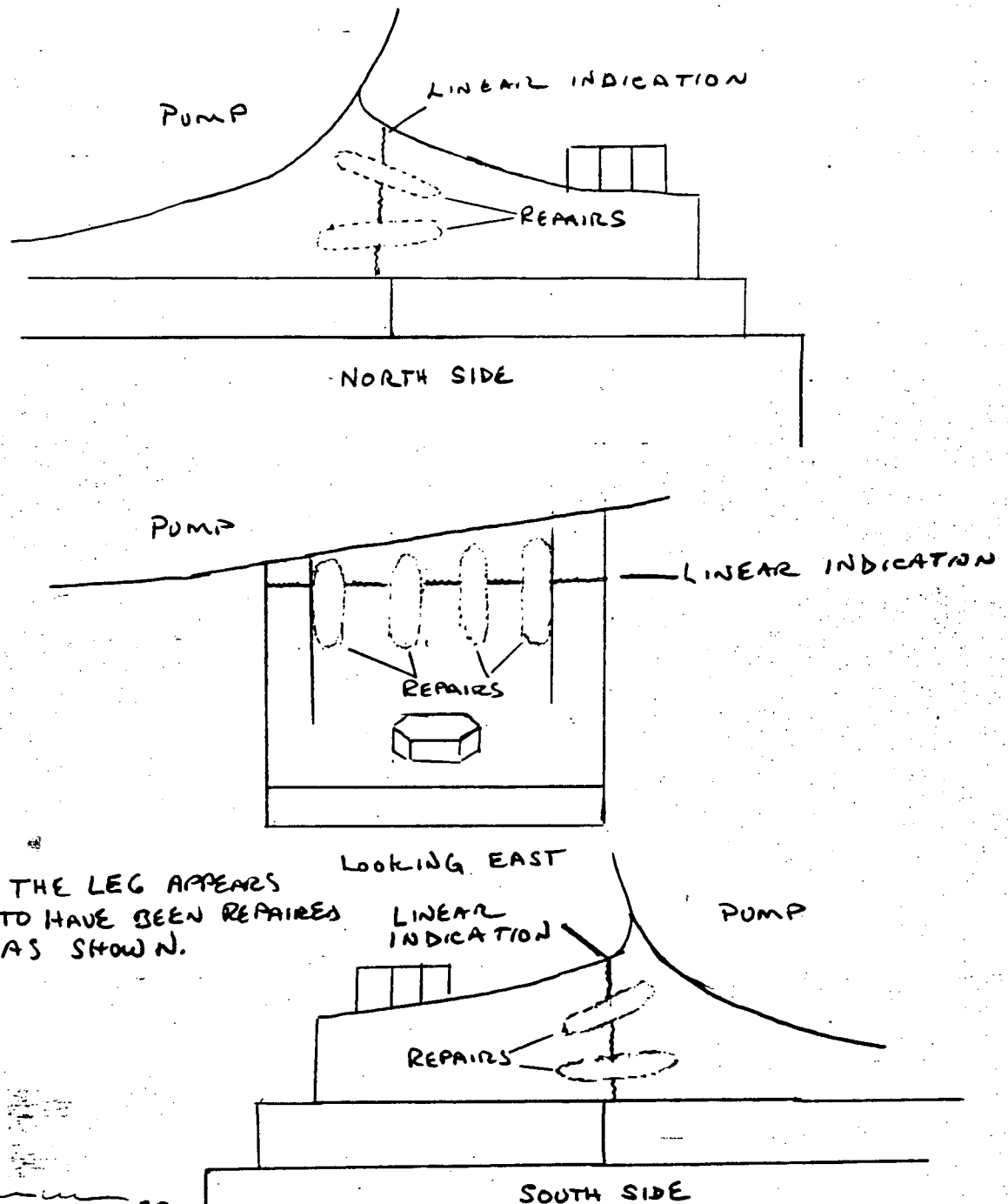
LEVEL III  
LEVEL N/A  
LEVEL III  
DATE 5/9/92  
DATE

DATE 4-16-92  
DATE N/A  
DATE 5/5/92

# 1125

PAGE 3 OF 3DATA SHEET NO. N/AEXAM ITEM CPL 341 - PUMP B NW LEG.ISO DWG. NO. CPL 341 REV. 0

## SKETCH SHEET



NOTE: THE LEG APPEARS  
TO HAVE BEEN REPAIRED  
AS SHOWN.

LOOKING EAST

Art Purnan  
4-16-92

EXAMINER Art Purnan  
EXAMINER N/A  
REVIEWER Del. Mendenhall  
REVIEWER Richard B. Heber  
REVIEWER \_\_\_\_\_

LEVEL III  
LEVEL N/A  
LEVEL III  
DATE 5/9/92  
DATE \_\_\_\_\_

DATE 4-16-92  
DATE N/A  
DATE 5/3/92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-137

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

COMPONENT COOLANT

COMPONENT

NAME: PUMP BASE

COMPONENT

ID NO.: CPL-341-C

DWG./LOC.: CPL-341 REV-0 / COMPONENT COOLANT ROOM

☒ VT-3 PROCEDURE: SP 1097 ERD 4-1097  
WDEP-613 REV.: 0

☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO:

☒ N/A

EQUIPMENT USED:

☒ FLASHLIGHT ☒ MIRROR  
☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovan

LEVEL: II

DATE: 4-6-92

REVIEWER: Art Pinner AP

LEVEL: II

DATE: 4-14-92

COMPONENT CONDITION: ☐ SATISFACTORY

☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

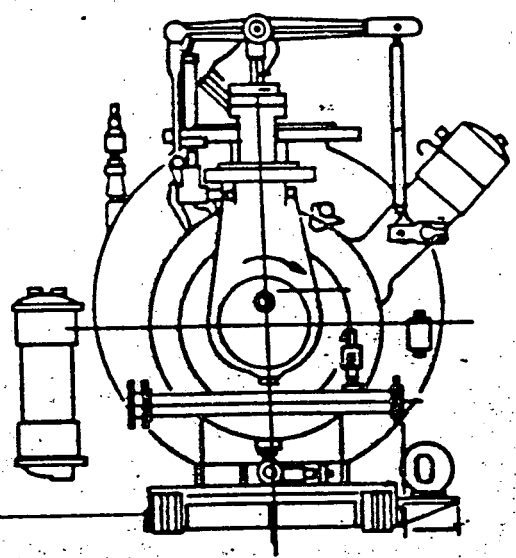
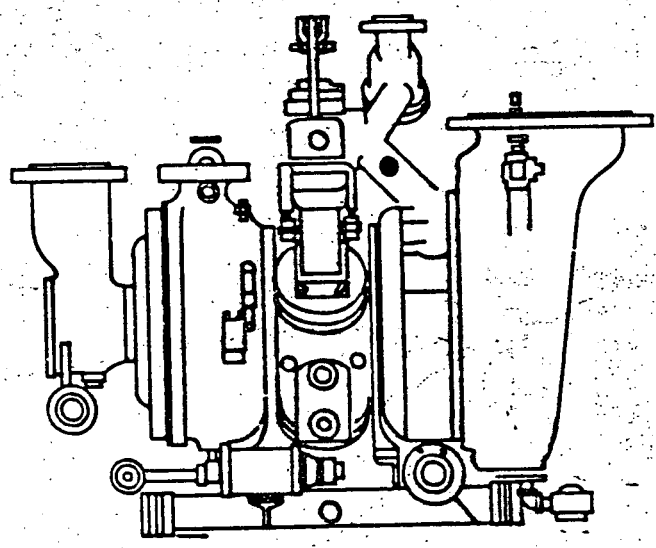
*not in original program*

ANII REVIEW: AP Calladare

DATE: 4-17-92

CP & L Dwg. No. HBP2-10618 SH-160				
CP & L P.O. No. CPL51				
DWG. REV.	FIELD VERIFIED BY	DRAWN BY	CHK'D BY	APP'D BY
0	RBW	12/11/82	12/11/82	12/13/82

SUPPT. A



CONTROLLED  
RCPT ID 296

CPL-342 REV.0

CP & L	
H. B. ROBINSON S. E. PLANT	
UNIT NO. 2	
DESCRIPTION: 100 FEED PUMP (TUBINE DRIVE)	
LINE NO.	REV.
N/A	CPL-342

I certify that the image contained on this frame was made in the normal and regular course of business on the date stated below and that it is an accurate reproduction of





Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-138

WR&A # N/A

PAGE 1 OF 2  
ERD 4-11-92

PLANT: H B ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: AUX FEEDWATER COMPONENT NAME: PUMP BASE COMPONENT ID NO.: CPL-342-A

DWG./LOC.: CPL-342 REV-0 / TURBINE BLDG.

[X] VT-3 PROCEDURE: SP 1097 ERA 41492 NOEF-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] OTHER [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>X</u>		<u>N</u> <u>A</u>
MISALIGNMENT		<u>X</u>		
DEBRIS		<u>X</u>		
CORROSION/EROSION		<u>X</u>		
STRUCTURAL INTEGRITY		<u>X</u>		
RESISTANCE TO MOVEMENT			<u>X</u>	
CLEARANCES OF MOVING PARTS			<u>X</u>	
ARC STRIKES/GOUGES		<u>X</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N: <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund R. Donovon LEVEL: II DATE: 4-11-92

REVIEWER: Art Purnum AW LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

REVIEWERS COMMENTS:

ANII REVIEW: AR Valladare DATE: 4-17-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-139

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: AUX FEEDWATER COMPONENT NAME: INTEGRAL ATTACHMENT PUMP BASE BOLTED COMPONENT ID NO.: CPL-342-A (INTEGRAL ATTACHMENT)

DWG./LOC.: CPL-342 REV-0 / TURBINE BLDG

☒ VT-3 PROCEDURE: SP 1097 ERO 411-92 ~~NOEP 613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☐ OTHER   
TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS SEE PAGE 2 FOR CONFIGURATION

EXAMINER: Edward R. Donovan LEVEL: II DATE: 4-11-92

REVIEWER: Carl P. Penman LEVEL: II DATE: 4-14-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/14/92

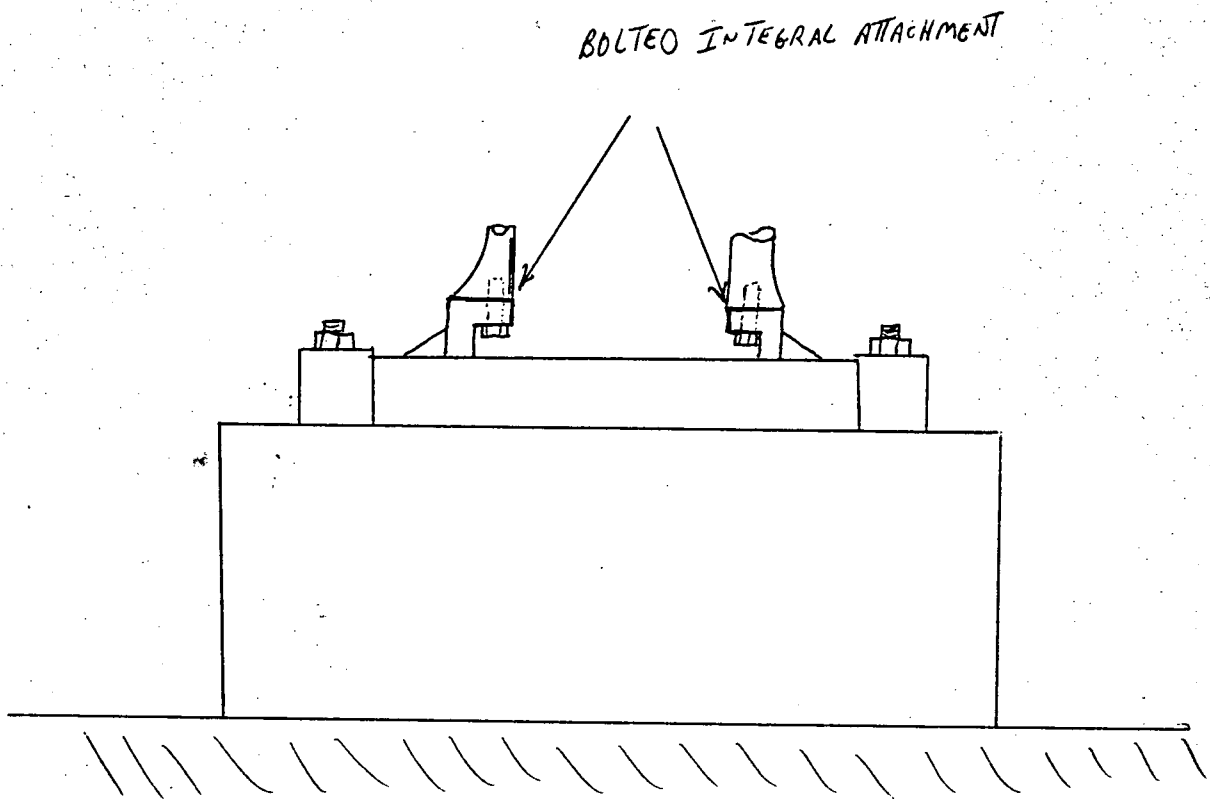
REVIEWERS COMMENTS:

ANII REVIEW: R. Mallada DATE: 4-17-92

# 1125

PAGE \_\_\_\_\_ OF \_\_\_\_\_  
DATA SHEET NO. 1097-139  
EXAM ITEM CPL-342-A  
ISO DWG. NO. CPL 342 REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER \_\_\_\_\_  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

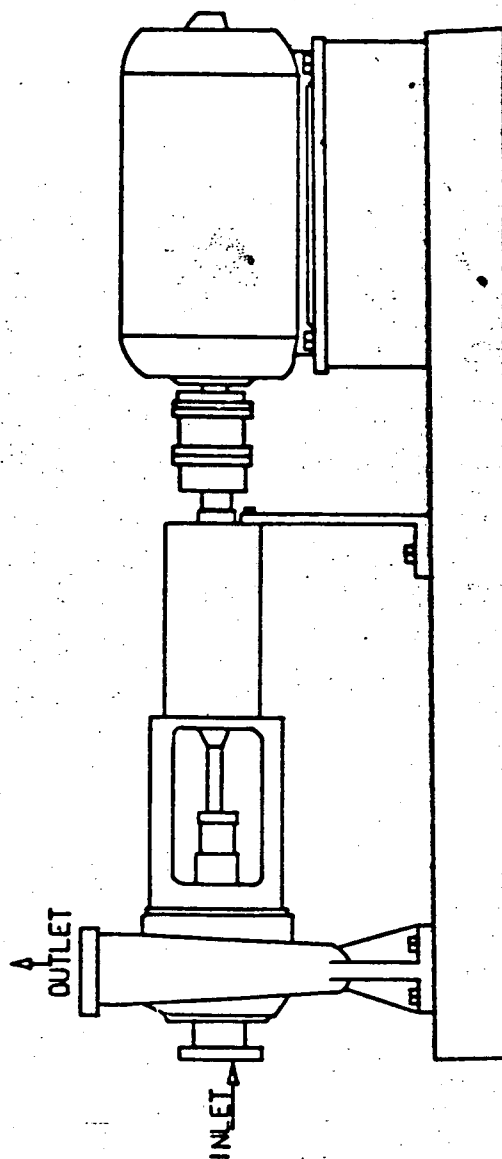
LEVEL II  
LEVEL NA  
LEVEL \_\_\_\_\_  
DATE 4/14/92  
DATE \_\_\_\_\_

DATE 4-11-92  
DATE NA  
DATE \_\_\_\_\_

RM

CP & L Dwg. No. HBR2-10618 SH: 162

CP &amp; L P.O. No. CP651

[illegible]

CONTROLLED  
RCPT ID 2

PUMP 'A' SUPPLY 'A'

CPL-344 REV.0

H. B. ROBINSON S. E. PLANT

UNIT NO. 2

**DESCRIPTION: S.F.P.COOLING PUMPS (2)**

1 INF No. N/A

**CPY - 344**

**REV.**

பெயர் \_\_\_\_\_



Carroll Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-191

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: SFP COMPONENT NAME: "A" PUMP BASE COMPONENT ID NO.: CPL-344-A

DWG./LOC.: CPL 344 REV / SFP PUMP ROOM

[X] VT-3 PROCEDURE: SP 1097 ERO 4-21-92 [ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] OTHER [X] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<u>[X]</u>		<u>N/A</u>
MISALIGNMENT		<u>[X]</u>		
DEBRIS		<u>[X]</u>		
CORROSION/EROSION		<u>[X]</u>		
STRUCTURAL INTEGRITY		<u>[X]</u>		
RESISTANCE TO MOVEMENT			<u>[X]</u>	
CLEARANCES OF MOVING PARTS			<u>[X]</u>	
ARC STRIKES/GOUGES		<u>[X]</u>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N: <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Edmund D. O'Connor LEVEL: II DATE: 4-21-92

REVIEWER: Art Purnan AP LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 4.27.92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097192

WR&A # N/A

PAGE 1 OF 1

PLANT: \_\_\_\_\_ UNIT 1 1 ☒ 2 1 PSI ☒ ISI

SYSTEM: SFP COMPONENT NAME: "A" PUMP ATTACHMENT INTEGRAL COMPONENT ID NO.: CPL-344-AWS

DWG./LOC.: CPL-344 REV-0 / SFP PUMP ROOM

☒ VT-3 PROCEDURE: SP-1097 ERO 4-21-92 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT ☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT ☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

EXAMINER: Charles R. Donovan LEVEL: II DATE: 4-21-92

REVIEWER: Art Purnan LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

ANII REVIEW: W. Valladares

DATE: 4-27-92

**EXPANDED  
SCOPE  
EXAMINATIONS**



Carolina Power &amp; Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-305

WR&amp;A # \_\_\_\_\_

PAGE 1 OF 1

PLANT: HBR

UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: SIS & RHR RETURN	COMPONENT NAME: Rod Hanger Support	COMPONENT ID NO.: CPH-221A-N
-----------------------------	------------------------------------	------------------------------

DWG./LOC.: CPH-221A R<sub>1</sub> / Pipe Alley

[X] VT-3 PROCEDURE: SP-1094 NDEP-613 REV.: 0	[ ] VT-4 PROCEDURE: 614 REV.: N/A
--	-----------------------------------

DIRECT [X] REMOTE [ ]	VIDEO RECORDING NO: [X] N/A
EQUIPMENT USED: [X] FLASHLIGHT [ ] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		
MISALIGNMENT		✓		
DEBRIS		✓	✓	SP-22-92
CORROSION/EROSION			✓	
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES			✓	
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER N/A	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: Reinspection AFTER Repair WR/50 92-AFKA1 NO Recordable Indications

REF ISI Data Report DATE 4-18-92 # 1097-154

EXAMINER: [Signature]	LEVEL: II	DATE: 5-22-92
REVIEWER: [Signature]	LEVEL: II	DATE: 5-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/22/92

VIEWERS COMMENTS:

ANII REVIEW: [Signature]

DATE: 6-2-92



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-293

WR&A # N/A

PAGE 1 OF 1

PLANT: <u>HB ROBINSON</u>		UNIT <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> PSI <input checked="" type="checkbox"/> ISI	
SYSTEM: <u>SIS + RHR</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-221A-Q</u>	
DWG./LOC.: <u>CPL-221A REV-1 / PIPE ALLEY</u>			
<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 ERO 5-1692</u> <u>WDEP-613 REV.: 0</u>		<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>	
DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>		VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A	
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____		TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER	

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div style="font-size: 2em;">N</div> <div style="font-size: 2em;">A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>
COMMENTS: <u>NO RECORDABLE INDICATIONS</u> <u>RE EXAM AFTER REPAIR</u>				
EXAMINER: <u>Edward R. Down</u>	LEVEL: <u>II</u>		DATE: <u>5-16-92</u>	
REVIEWER: <u>Art Pinner</u>	LEVEL: <u>II</u>		DATE: <u>5-18-92</u>	
COMPONENT CONDITION: <input type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY				
REVIEWED BY: <u>Richard B. Weber</u> <u>5/20/92</u>				
REVIEWERS COMMENTS:				
ANII REVIEW: <u>CR Valladares</u> DATE: <u>5-20-92</u>				

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097194

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>RNR</u>	COMPONENT NAME: <u>* SEE COMMENTS</u>	COMPONENT ID NO.: <u>CPL-221B-F</u>
--------------------	---------------------------------------	-------------------------------------

DWG./LOC.: CPL-221B REV-0 / RNR HX ROOM

☒ VT-3 PROCEDURE: SP-1097 ERD 42192  
WDEP-513 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	* NO HANGER EXIST AT THIS LOCATION
MISALIGNMENT			<input checked="" type="checkbox"/>	ON RHR LINE IN PLANT
DEBRIS			<input checked="" type="checkbox"/>	
CORROSION/EROSION			<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: EXPANDED SCOPE PIPE WAS UNINSULATED

EXAMINER: Edward L. Donovan LEVEL: II DATE: 4-21-92

REVIEWER: Art Purnum LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber #25792

REVIEWERS COMMENTS:

ANII REVIEW: R. M. Haddad DATE: 4-27-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-193

WR&A # NA

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: RHR COMPONENT NAME: \* SEE COMMENTS COMPONENT ID NO.: CPL-221B-F1

DWG./LOC.: CPL-221B REV-0 / RHR HX ROOM

☒ VT-3 PROCEDURE: SP 1097 ERO 4-21-92 ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☐ MIRROR ☐ OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			<input checked="" type="checkbox"/>	* NO HANGER EXIST AT THIS LOCATION
MISALIGNMENT			<input checked="" type="checkbox"/>	ON RHR RETURN LINE IN PLANT
DEBRIS			<input checked="" type="checkbox"/>	
CORROSION/EROSION			<input checked="" type="checkbox"/>	
STRUCTURAL INTEGRITY			<input checked="" type="checkbox"/>	
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS			<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES			<input checked="" type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>NA</u>			
SNUBBER	ACTUAL: <u>NA</u> STROKE: <u>NA</u> S/N <u>NA</u>			

COMMENTS: EXPANDED SCOPE PIPE WAS UNINSULATED

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-21-92

REVIEWER: Art Purnan LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 7/25/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4-27-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-294

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 1 ☒ 2 1 ☐ PSI ☒ ISI

SYSTEM: SIS COMPONENT NAME: HANGER COMPONENT ID NO.: CPL-233-F2

DWG./LOC.: CPL-233 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP 1097 ERD 5-16-92 NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☐ MIRROR ☐ OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

RE EXAM AFTER REPAIR

WR/JO 92-AGED 1

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 5-16-92

REVIEWER: Art Pinner LEVEL: II DATE: 5-18-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/20/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladao

DATE: 5-20-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-240

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>SI</u>	COMPONENT NAME: <u>ROD HANGER</u>	COMPONENT ID NO.: <u>CPL-233-F2</u>
----------------------	--------------------------------------	--

DWG./LOC.: CPL-233 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP 1097 ERO 4-30-92  
NDP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input checked="" type="checkbox"/> OTHER <u>6" SCALE</u>	TYPE OF COMPONENT SUPPORT: <table style="width: 100%;"> <tr> <td><input type="checkbox"/> HYDRAULIC SNUBBER</td> <td><input type="checkbox"/> CONSTANT SUPPORT</td> </tr> <tr> <td><input type="checkbox"/> MECHANICAL SNUBBER</td> <td><input type="checkbox"/> VARIABLE SUPPORT</td> </tr> <tr> <td><input checked="" type="checkbox"/> SUPPORT/HANGER</td> <td></td> </tr> </table>	<input type="checkbox"/> HYDRAULIC SNUBBER	<input type="checkbox"/> CONSTANT SUPPORT	<input type="checkbox"/> MECHANICAL SNUBBER	<input type="checkbox"/> VARIABLE SUPPORT	<input checked="" type="checkbox"/> SUPPORT/HANGER	
<input type="checkbox"/> HYDRAULIC SNUBBER	<input type="checkbox"/> CONSTANT SUPPORT						
<input type="checkbox"/> MECHANICAL SNUBBER	<input type="checkbox"/> VARIABLE SUPPORT						
<input checked="" type="checkbox"/> SUPPORT/HANGER							

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS PIPE WAS INSULATED

EXPANDED SCOPE

EXAMINER: Edmund R. Dawson LEVEL: II DATE: 4-30-92

REVIEWER: W. P. Pinner (AP) LEVEL: II DATE: 5-1-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/6/92

REVIEWERS COMMENTS:

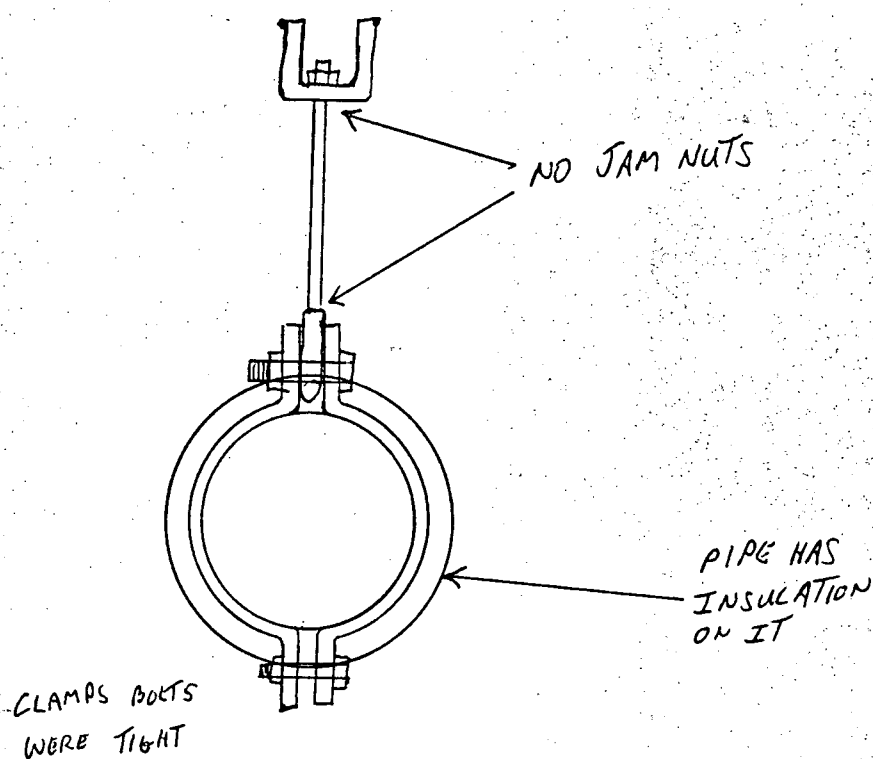
ANII REVIEW: R. Valladares

DATE: 5-4-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-240EXAM ITEM CPL-233-F2ISO DWG. NO. CPL 233 REV. 0

## SKETCH SHEET

EXAMINER Edward L. DawsonEXAMINER NAREVIEWER Art R...REVIEWER Richard B. WeberREVIEWER AVDLEVEL IILEVEL NALEVEL IIDATE 5/1/92DATE           DATE 4-30-92DATE NADATE 5-1-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-295

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT 1 1 ☒ 2 1 PSI ☒ ISI

SYSTEM: SIS COMPONENT NAME: HANGER COMPONENT ID NO.: CPL-233-J1

DWG./LOC.: CPL-233 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: SP 1097 ERO 54692 NDEP 613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☐ MIRROR ☐ OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

RE EXAM AFTER REPAIR

WR/JO 92-AGEA 1

EXAMINER: Edward R. Donovan

LEVEL: II

DATE: 5-16-92

REVIEWER: Carl P. ...

LEVEL: II

DATE: 5-18-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/20/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares

DATE: 5-20-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-241

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 1 1 ☒ 2 1 PSI ☒ ISI

SYSTEM: SI COMPONENT NAME: ROD HANGER COMPONENT ID NO.: CPL-233 <sup>ERO 5-2-92</sup> ~~F2 J1~~

DWG./LOC.: CPL-233 REV-0 / PIPE ALLEY

☒ VT-3 PROCEDURE: <sup>SP-1097 ERO 5-192</sup> ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR  
☒ OTHER 6" SCALE

TYPE OF COMPONENT SUPPORT:  
☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS PIPE WAS INSULATED  
EXPANDED SPOPE

EXAMINER: Edmund R. Dorman LEVEL: II DATE: 4-30-92

REVIEWER: W. P. ... <sup>BN</sup> LEVEL: II DATE: 5-2-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/2/92

REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares

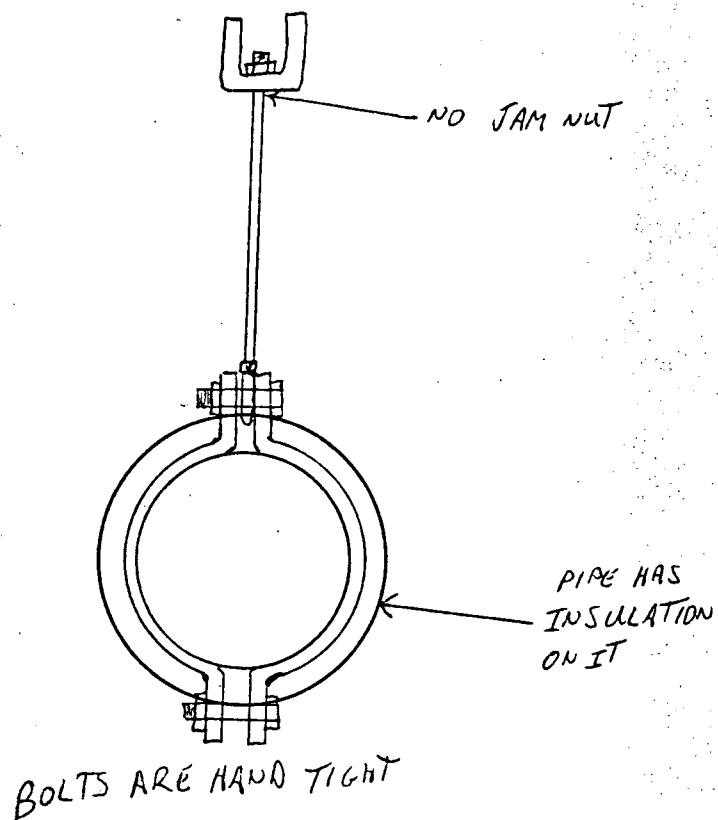
DATE: 5-4-92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-242EXAM ITEM CPL-233-J1ISO DWG. NO. CPL 233 REV. 0

## SKETCH SHEET



EXAMINER	<u>Edmund D. Davenport</u>	LEVEL	<u>II</u>	DATE	<u>4-30-92</u>
EXAMINER	<u>NA</u>	LEVEL	<u>NA</u>	DATE	<u>NA</u>
REVIEWER	<u>Art Penn</u>	LEVEL	<u>II</u>	DATE	<u>5-1-92</u>
REVIEWER	<u>Richard B. Weber</u>	DATE	<u>5/2/92</u>		
REVIEWER		DATE			

(22)



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-297

WR&A # N/A

PAGE 1 OF 1

PLANT: H.B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: C W	COMPONENT NAME: SUPPORT	COMPONENT ID NO.: CPL-313-C1
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DWG./LOC.: CPL 313 REV. 1 / INTAKE STRUCTURE

[X] VT-3 PROCEDURE: NDEP-613 <sup>SP1087</sup> REV.: 0 <sup>5/16/92</sup> N/A [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [ ]	VIDEO RECORDING NO: N/A	[X] N/A
EQUIPMENT USED: [ ] FLASHLIGHT [ ] MIRROR [ ] OTHER N/A	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER	

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		X		N/A
MISALIGNMENT		X		
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY		X		
RESISTANCE TO MOVEMENT		X		
CLEARANCES OF MOVING PARTS		X		
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A	STROKE: N/A	SIN N/A	

COMMENTS: NO RECORDABLE INDICATIONS

RE-EXAM AFTER REPAIR

WR/50 92-AFWM1

EXAMINER: JOACHIM W. KREMER LEVEL: II DATE: 5/16/92

REVIEWER: EDWARD R. DONOVAN LEVEL: II DATE: 5-16-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: RICHARD B. WILCOX 5/20/92

VIEWERS COMMENTS:

ANII REVIEW: R. WALLADAR

DATE: 5-20-92





Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-202

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: CW	COMPONENT NAME: SUPPORT	COMPONENT ID NO.: CPL 314-D
------------	-------------------------	-----------------------------

DWG./LOC.: CPL 314 REVO / CCW HEAT EXCHANGER ROOM

[X] VT-3 PROCEDURE: <sup>SP 1097 AA 4-21-92</sup> ~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		SEE ATTACHMENT
RESISTANCE TO MOVEMENT	✓			
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		N/A
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS  
COMPONENT INSULATED  
EXPANDED SCOPE

EXAMINER: Curt Rimmer LEVEL: II DATE: 4-21-92

REVIEWER: Edmund R. Donovan LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

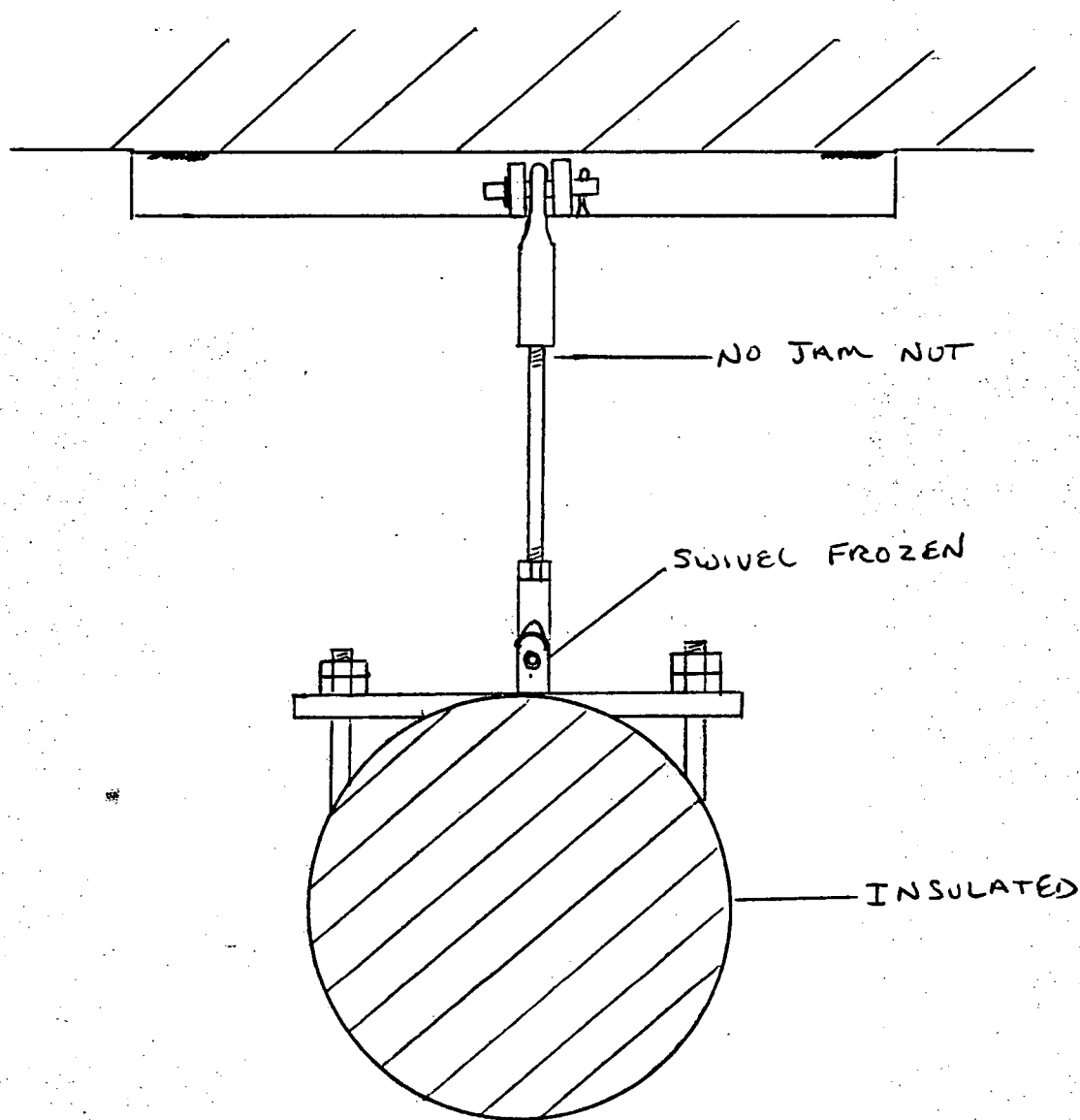
REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares DATE: 4-27-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-202EXAM ITEM CPL 314-DISO DWG. NO. CPL 314 REV. 0

## SKETCH SHEET

EXAMINER Art ParnenEXAMINER N/AREVIEWER Charles R. DoraREVIEWER Richard B. WeberREVIEWER AVOLEVEL IILEVEL N/ALEVEL IIDATE 4/25/92

DATE \_\_\_\_\_

DATE 4-21-92DATE N/ADATE 4-22-92



Caroline Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-203

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>CW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 323 - A1</u>
-------------------	--------------------------------	---------------------------------------

DWG./LOC.: CPL 323 REV 1 / B - DIESEL GENERATOR ROOM

<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP 1097 AP 4-21-92</u> <u>NDEP-613 REV.: 0</u>	<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>
--	---

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	N/A
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS  
COMPONENT IS INSULATED  
EXPANDED SCOPE

EXAMINER: [Signature] LEVEL: II DATE: 4-20-92

REVIEWER: Edmund R. Donovan [Signature] LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

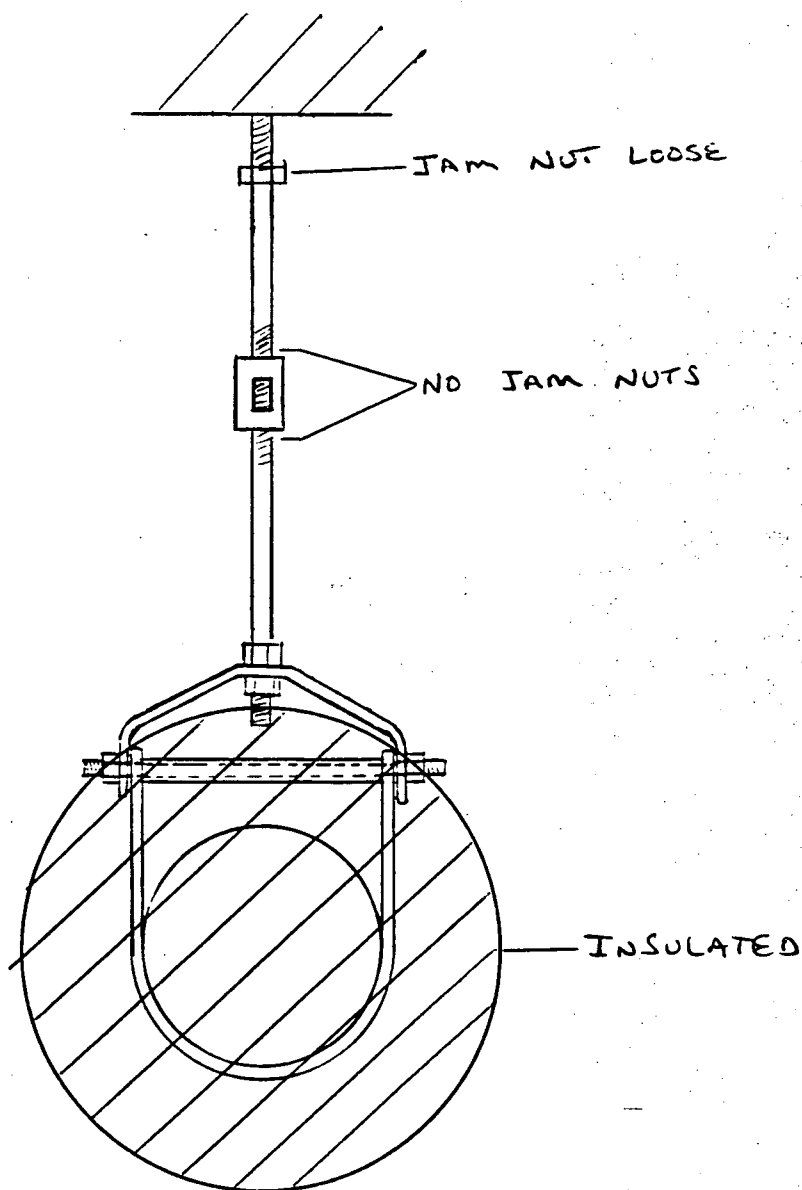
ANII REVIEW: [Signature]

DATE: 4-27-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-203  
EXAM ITEM CPL 323-A1  
ISO DWG. NO. CPL 323 REV. 1

## SKETCH SHEET



EXAMINER Cert Pinner  
EXAMINER N/A  
REVIEWER Edmund R. Anderson  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/25/92  
DATE \_\_\_\_\_

DATE 4-20-92  
DATE N/A  
DATE 4-22-92

AM

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-204

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>CW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 323-<sup>AP4-21-92</sup>ED</u>
-------------------	--------------------------------	---

DWG./LOC.: CPL 323 REV 1 / Aux BLDG HALLWAY

[X] VT-3 PROCEDURE: SP 1097 AP4-21-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS COMPONENT IS INSULATED EXPANDED SCOPE

EXAMINER: Art Pinner LEVEL: II DATE: 4-20-92

REVIEWER: Edmund R Dacum LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B Weber 4/25/92

REVIEWERS COMMENTS:

ANII REVIEW: ABalladare

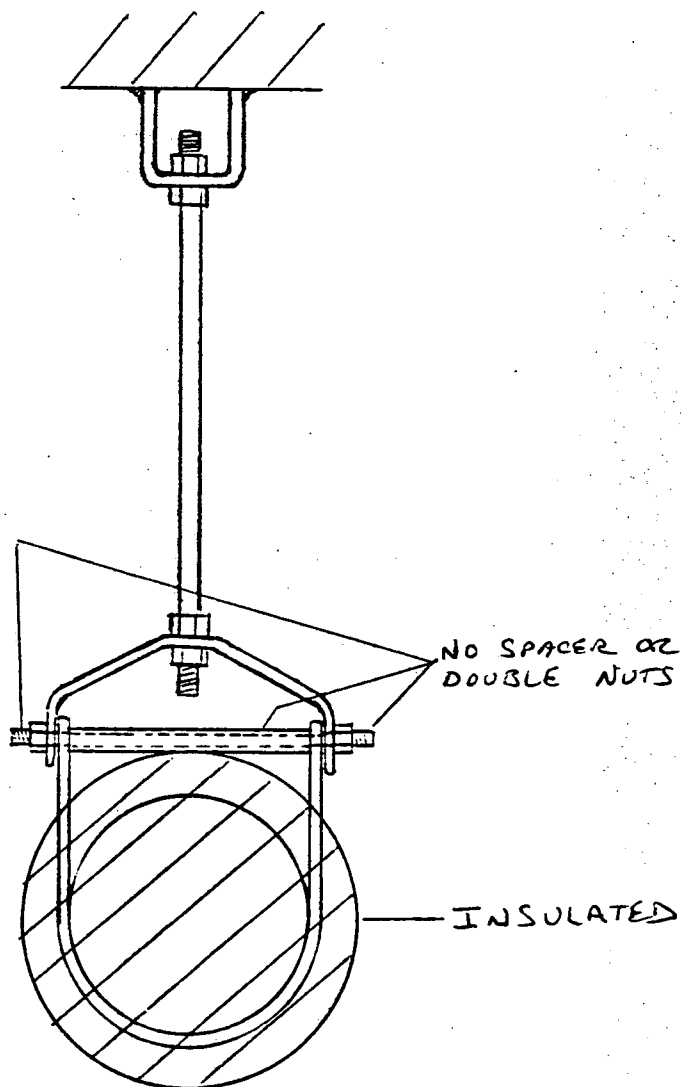
DATE: 4-27-92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-204EXAM ITEM CPL 323-DISO DWG. NO. CPL 323 REV. 1

## SKETCH SHEET



EXAMINER

Q. J. P. ...

LEVEL

II

DATE

4-20-92

EXAMINER

N/A

LEVEL

N/A

DATE

N/A

REVIEWER

Edward R. Dawson

LEVEL

II

DATE

4-22-92

REVIEWER

Richard B. Weber

DATE

4/25/92

REVIEWER

AN

DATE



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-205

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>CW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 323-R</u>
-------------------	--------------------------------	------------------------------------

DWG./LOC.: CPL-323 REV 1 / AUX. BLDG. HALLWAY

[X] VT-3 PROCEDURE: SP1097 AP4-21-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
[X] FLASHLIGHT [X] MIRROR	[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT
[ ] OTHER	[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT
	[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		N/A
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS

EXPANDED SCOPE

EXAMINER: Get Purnan LEVEL: II DATE: 4-20-92

REVIEWER: Edmund R. Donovan (AN) LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

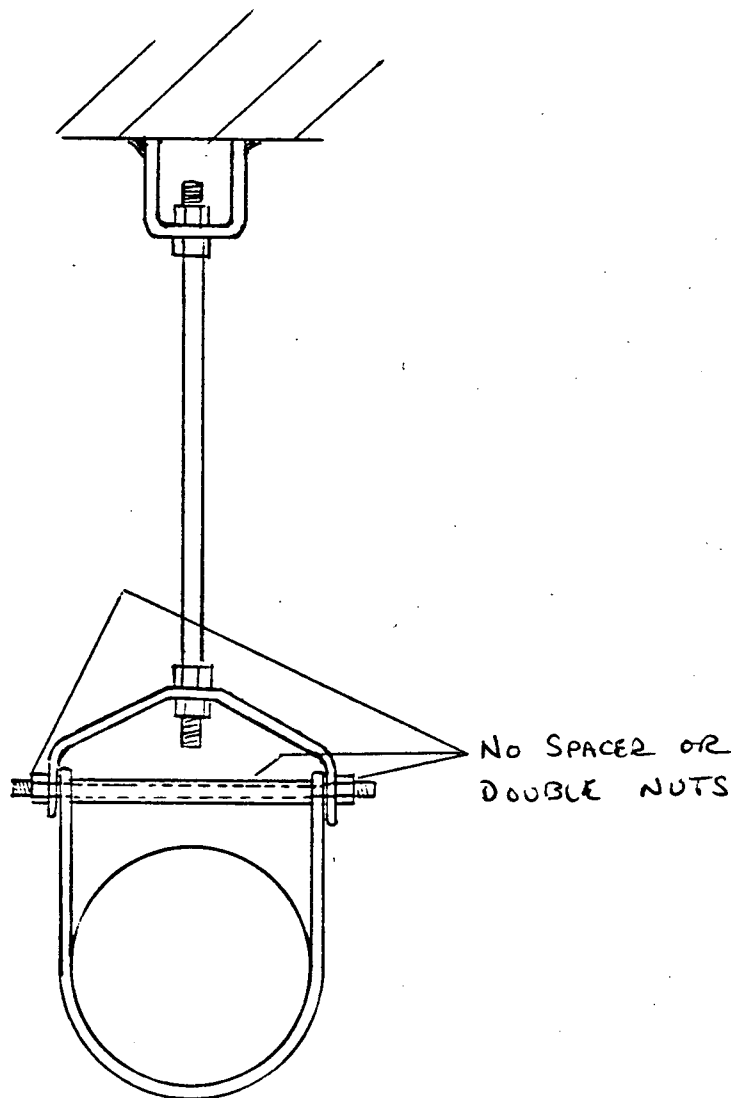
ANII REVIEW: RP Wallander

DATE: 4.27.92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-205EXAM ITEM CPL 323 - RISO DWG. NO. CPL 323 REV. 1

## SKETCH SHEET



EXAMINER	<u>Art Pinner</u>	LEVEL	<u>II</u>	DATE	<u>4-20-92</u>
EXAMINER	<u>NA</u>	LEVEL	<u>NA</u>	DATE	<u>NA</u>
REVIEWER	<u>Glenn R. Darrow</u>	LEVEL	<u>II</u>	DATE	<u>4-22-92</u>
REVIEWER	<u>Richard B. Weber</u>	DATE	<u>4/25/92</u>		
REVIEWER		DATE			

dm

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-206

WR&A # N/A

PAGE 1 OF 2

PLANT: H.B. ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>CW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 323 -T</u>
-------------------	--------------------------------	-------------------------------------

DWG./LOC.: CPL 323 REV 1 / Aux. BLDG. HALLWAY

☒ VT-3 PROCEDURE: SP.1097 AR-21-92 ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER <u></u>	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS  
COMPONENT IS INSULATED

EXPANDED SCOPE

EXAMINER: [Signature] LEVEL: II DATE: 4-20-92

REVIEWER: [Signature] LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: [Signature] 4/25/92

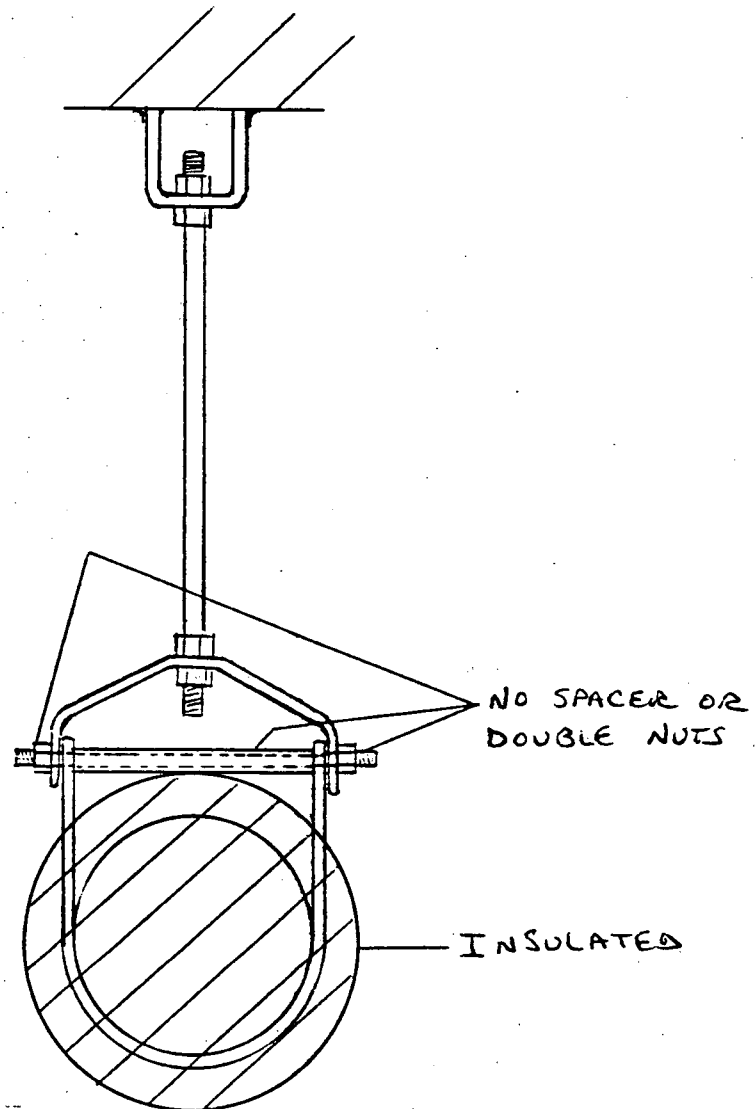
REVIEWERS COMMENTS:

ANII REVIEW: [Signature] DATE: 4-27-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-206  
EXAM ITEM CPL 323 -T  
ISO DWG. NO. CPL 323 REV. 1

## SKETCH SHEET



EXAMINER Art Rimmer  
EXAMINER NA  
REVIEWER Edmund K. Drown  
REVIEWER Richard B. Zeller  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL TL  
DATE 4/25/92  
DATE \_\_\_\_\_

DATE 4-20-92  
DATE NA  
DATE 4-22-92

(1125)

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1077-195

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-325-L</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-325 REV-1 / AUX HALLWAY

[X] VT-3 PROCEDURE: SP-1097 ERO 4-22-92  
NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		X		<div style="position: relative; height: 300px;"> <div style="position: absolute; top: 0; right: 0; transform: rotate(45deg); transform-origin: right top;"> N A </div> </div>
MISALIGNMENT		X		
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY		X		
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS		X		
ARC STRIKES/GOUGES		X		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	SIN <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS PIPE WAS INSULATED  
EXPANDED SCOPE

EXAMINER: Edmund R Donovan LEVEL: II DATE: 4-22-92

REVIEWER: Art Pinner LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

ANII REVIEW: R Wallas

DATE: 4-28-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097796

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-325-M</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-325 REV-1 / AUX HALLWAY

☒ VT-3 PROCEDURE: SP-1097 ERO 4-22-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> MIRROR	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> MECHANICAL SNUBBER <input checked="" type="checkbox"/> SUPPORT/HANGER	<input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> VARIABLE SUPPORT
---	--	---	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>			STROKE: <u>N/A</u> S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS PIPE WAS INSULATED  
EXPANDED SCOPE

EXAMINER: Edward L Donovan LEVEL: II DATE: 4-22-92

REVIEWER: Art Pinner LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4-28-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-127

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON

UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM:

COMPONENT COOLANT

COMPONENT

NAME: HANGER

COMPONENT

ID NO.: CPL-325-X

DWG./LOC.: CPL-325 REV. 1 / AUX HALLWAY

☒ VT-3 PROCEDURE: SP 1097 ERO 422-92  
WDEP-613 REV.: 0

☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒

VIDEO RECORDING NO:

☒ N/A

EQUIPMENT USED:

☒ FLASHLIGHT ☒ MIRROR

TYPE OF COMPONENT SUPPORT:

☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORD ABLE INDICATIONS PIPE WAS INSULATED  
EXPANDED SCOPE

EXAMINER: Edward R. Donovan

LEVEL: II

DATE: 4-22-92

REVIEWER: Art Pinner

LEVEL: II

DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY

☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

ANII REVIEW: Mallada

DATE: 4-28-92



## VISUAL EXAMINATION DATA SHEET

REPORT NO. 6097-207

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISI

SYSTEM: <u>CCW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 326-H</u>
-----------------------	-----------------------------------	---------------------------------------

DWG./LOC.: CPL 326 REV 1 / CCW HEAT EXCHANGER ROOM

[x] VT-3 PROCEDURE: SP 1097 REV 4-21-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [x] REMOTE [x] VIDEO RECORDING NO: [x] N/A

EQUIPMENT USED: [x] FLASHLIGHT [x] MIRROR [ ] OTHER	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [x] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		/
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	/
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS  
COMPONENT INSULATED  
EXPANDED SCOPE

EXAMINER: Art Pinner LEVEL: II DATE: 4-21-92

REVIEWER: Edmund R. Donovan ED LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

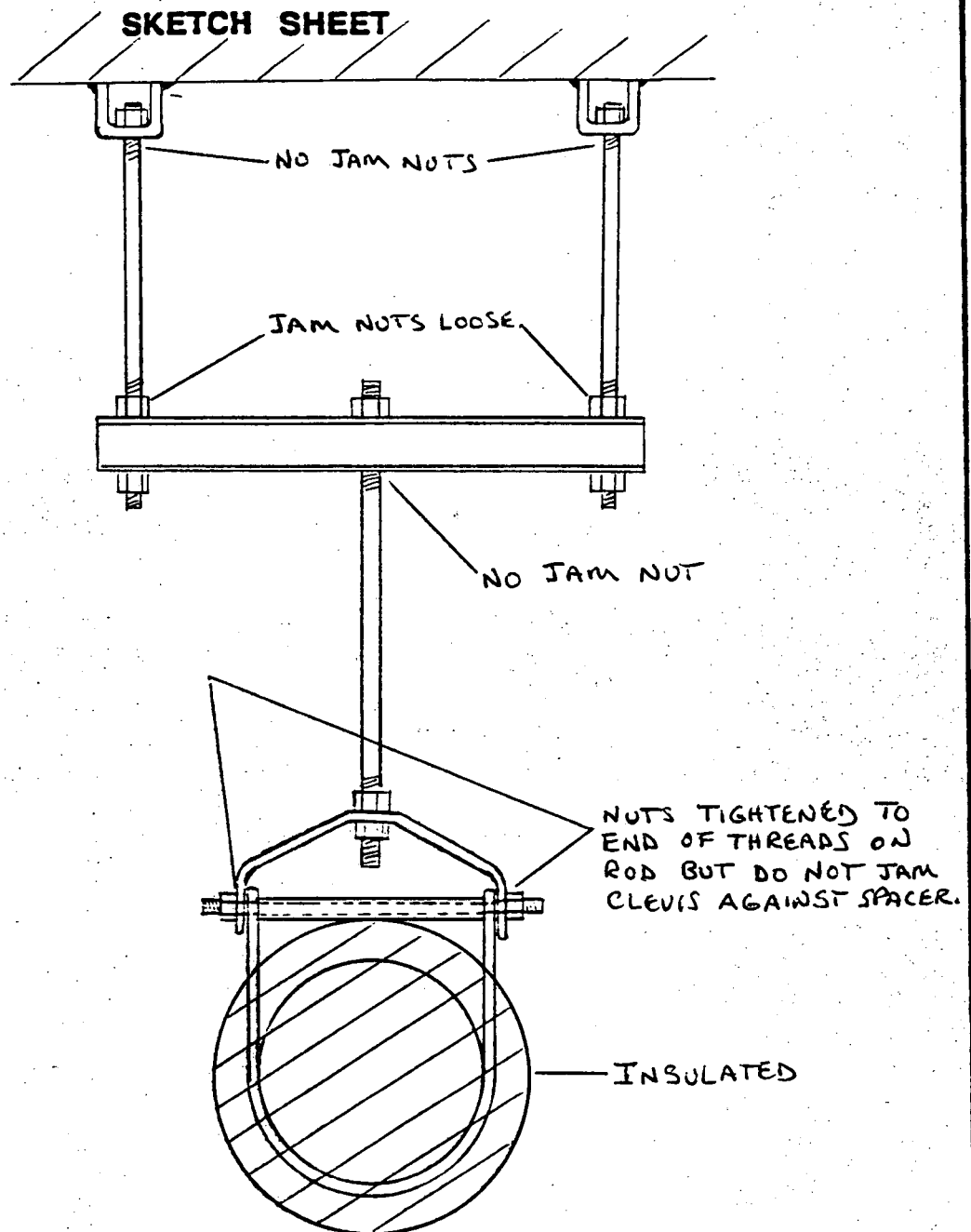
REVIEWERS COMMENTS:

ANII REVIEW: AP Walla-Lewis DATE: 4-27-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-207EXAM ITEM CPL 326-HISO DWG. NO. CPL 326REV. 1

## SKETCH SHEET



EXAMINER Art Puma  
EXAMINER N/A  
REVIEWER Edmund J. Donovan  
REVIEWER Richard B. Walter  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/25/92  
DATE \_\_\_\_\_

DATE 4-21-92  
DATE N/A  
DATE 4-22-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-208

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISI

SYSTEM: <u>CCW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 326 - I</u>
--------------------	--------------------------------	--------------------------------------

DWG./LOC.: CPL 326 REV 1 / CCW HEAT EXCHANGER ROOM

[x] VT-3 PROCEDURE: <sup>SP1097 AP4-20-92</sup>~~NDEP-613~~ REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [x] REMOTE [x]	VIDEO RECORDING NO: [x] N/A
EQUIPMENT USED: [x] FLASHLIGHT [x] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [x] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS  
COMPONENT INSULATED  
EXPANDED SCOPE

EXAMINER: Art P... LEVEL: II DATE: 4-21-92

REVIEWER: Edmund R. Doreman LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

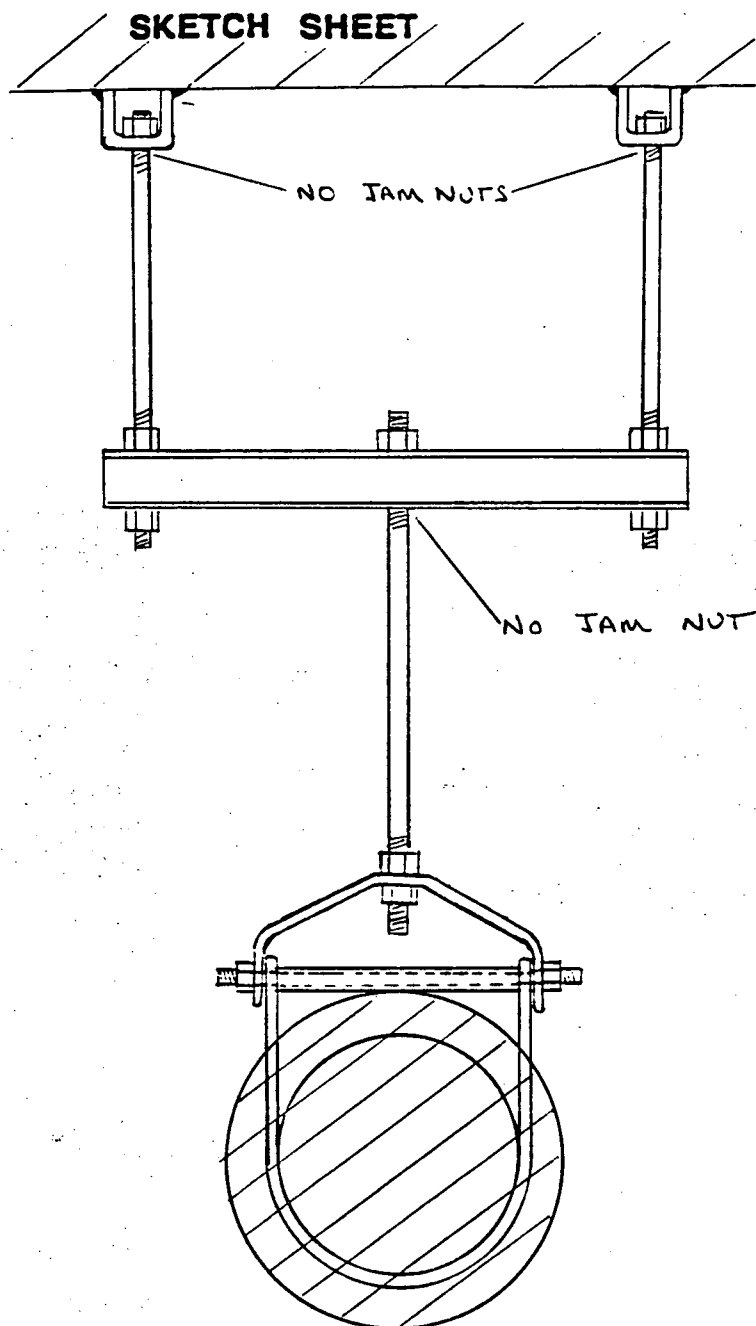
ANII REVIEW: R. Valladares

DATE: 4-27-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-208EXAM ITEM CPL 326 - IISO DWG. NO. CPL 326 REV. 1

## SKETCH SHEET



EXAMINER

Art Pinner

EXAMINER

N/A

REVIEWER

Edmund R. Dargatzis

REVIEWER

Richard B. Weber

REVIEWER

LEVEL IIILEVEL N/ALEVEL IIDATE 4/25/92

DATE

DATE 4-21-92DATE N/ADATE 4-22-92AM



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097789

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 1 1 2 1 PSI ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-327-L</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-327 REV-0 / ABOVE NON REGEN HX ROOM ON SECOND FLOOR AUX

SP 1097 ERO 4-21-92  
VT-3 PROCEDURE: NDEP-613 REV.: 0 VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N: <u>N/A</u>			

COMMENTS: RECORDABLE INDICATION COMPONENT INSULATED  
EXPANDED SCOPE

EXAMINER: Edward R. Darnon LEVEL: II DATE: 4-21-92

REVIEWER: Q. P. Pennington LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

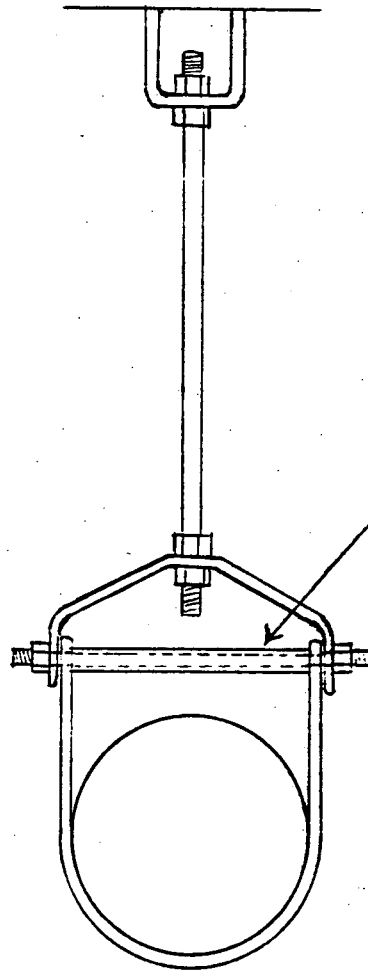
REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares DATE: 4-27-92

# 1105

PAGE 2 OF 2  
DATA SHEET NO. 1097-189  
EXAM ITEM CPL-327-L  
ISO DWG. NO. CPL 327 REV. 0

## SKETCH SHEET



PIPE  
SPACER FOR  
CLEVIS IS MISSING

EXAMINER Edward R. Donovan  
EXAMINER NA  
REVIEWER Carl P. Sullivan  
REVIEWER Richard B. Kleber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/25/92  
DATE \_\_\_\_\_

DATE 4-21-92  
DATE NA  
DATE 4-22-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-88

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>COMPONENT COOLANT</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-327-N</u>
-------------------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL-327 REV-D / ABOVE NON REGEN HX ROOM ON SECOND FLOOR AUX.

[X] VT-3 PROCEDURE: SP 1097 ERO 4-21-92 NOEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: <u>[X]</u> FLASHLIGHT <u>[X]</u> MIRROR <u>[ ]</u> OTHER _____	TYPE OF COMPONENT SUPPORT: <u>[ ]</u> HYDRAULIC SNUBBER <u>[ ]</u> CONSTANT SUPPORT <u>[ ]</u> MECHANICAL SNUBBER <u>[ ]</u> VARIABLE SUPPORT <u>[X]</u> SUPPORT/HANGER
--	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<u>[X]</u>			<u>SEE ATTACHED SKETCH</u>
MISALIGNMENT		<u>[X]</u>		
DEBRIS		<u>[X]</u>		
CORROSION/EROSION		<u>[X]</u>		
STRUCTURAL INTEGRITY	<u>[X]</u>			<u>SEE ATTACHED SKETCH</u>
RESISTANCE TO MOVEMENT			<u>[X]</u>	
CLEARANCES OF MOVING PARTS		<u>[X]</u>		
ARC STRIKES/GOUGES		<u>[X]</u>		

VARIABLE/CONSTANT SUPPORT ACTUAL: N/A

SNUBBER ACTUAL: N/A STROKE: N/A S/N N/A

COMMENTS: RECORDABLE INDICATIONS COMPONENT INSULATED  
EXPANDED SCOPE

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-21-92

REVIEWER: Carl P. ... LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

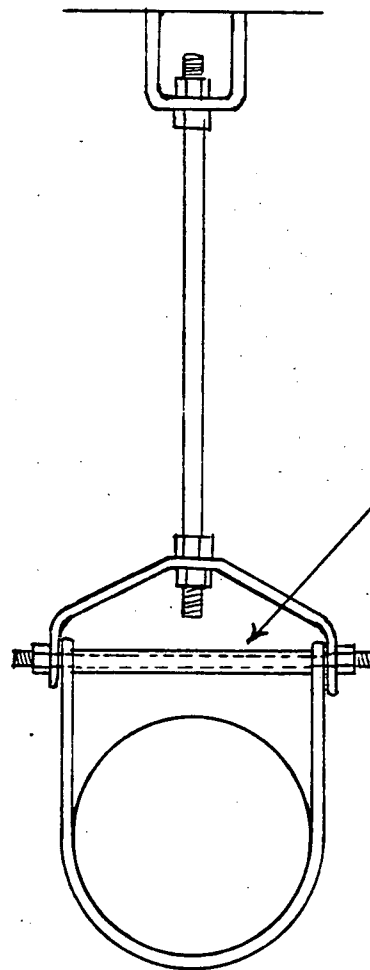
REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4-27-92

# nes

PAGE 2 OF 2  
DATA SHEET NO. 1097-188  
EXAM ITEM CPL-327-N  
ISO DWG. NO. CPL 327 REV. 0

## SKETCH SHEET



PIPE SPACER  
FOR CLEVIS  
IS MISSING

EXAMINER Richard L. Donovan  
EXAMINER NA  
REVIEWER Art Pinner  
REVIEWER Richard B. Weber  
REVIEWER DA

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 4/25/92  
DATE

DATE 4-21-92  
DATE NA  
DATE 4-22-92





Canadian Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-228

WR&A # N/A

PAGE 1 OF 2

PLANT: HBR UNIT 1 1 12 1 PSI 1 ISI

SYSTEM: Component Coolant	COMPONENT NAME: Rod Hanger	COMPONENT ID NO.: CPH-329-I
------------------------------	-------------------------------	--------------------------------

DWG./LOC.: CPH-329 REV 0 / CONTAINMENT 1st level

<input checked="" type="checkbox"/> VT-3 PROCEDURE: SP1097 NDEP-613 REV.: 0	<input type="checkbox"/> VT-4 PROCEDURE: 614 REV.: N/A
---	--

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
---	---

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> OTHER	[ ] MIRROR	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] MECHANICAL SNUBBER <input checked="" type="checkbox"/> SUPPORT/HANGER	[ ] CONSTANT SUPPORT [ ] VARIABLE SUPPORT
---	------------	---	--

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	X			WASHERS ADD TO CLEVIS Rod Tighten and Bent in CLEVIS SEE ATTACHED SKETCH
MISALIGNMENT		X		
DEBRIS		X		
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY		X		
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS		X	X 5-16-92	
ARC STRIKES/GOUGES		X		

VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A
---------------------------	-------------

SNUBBER N/A	ACTUAL: N/A	STROKE: N/A	S/N N/A
-------------	-------------	-------------	---------

COMMENTS: Recordable Indication Ref Report 1097-236

PIPE Insulated WR/50 92-AGCLL Reinspected AFTER Repair

EXAMINER: [Signature]	LEVEL: II	DATE: 5-16-92
-----------------------	-----------	---------------

REVIEWER: [Signature]	LEVEL: II	DATE: 5-16-92
-----------------------	-----------	---------------

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/20/92

REVIEWERS COMMENTS:

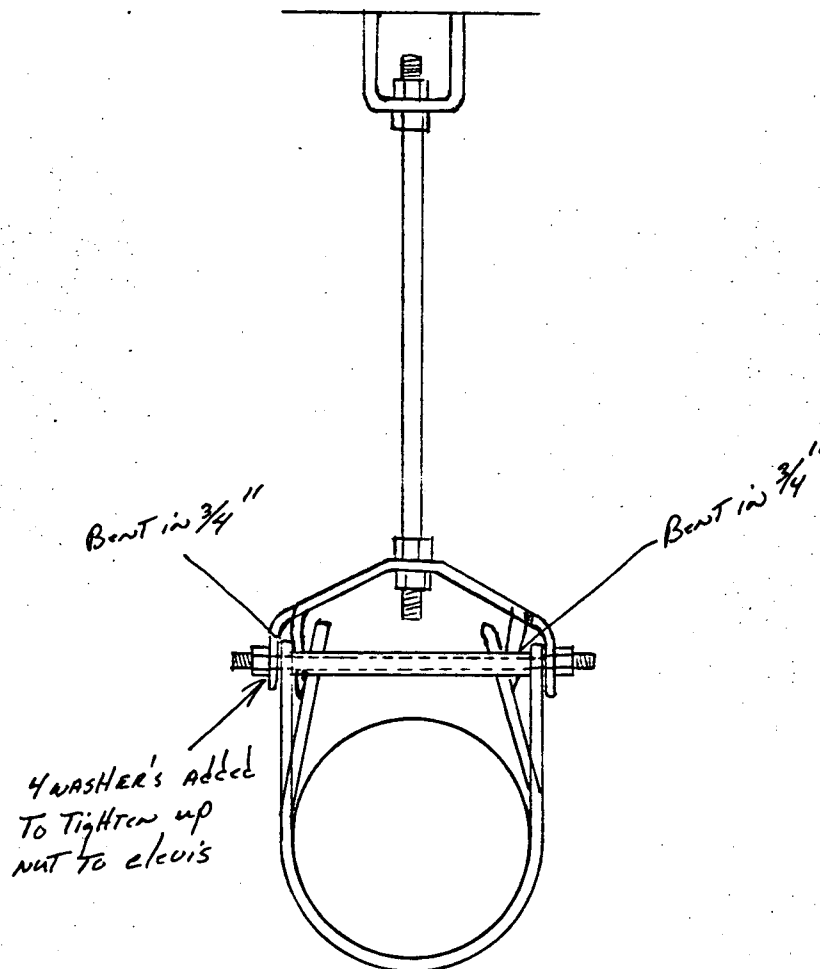
ANII REVIEW: [Signature] DATE: 5-26-92

QA NDE ISI 5, Revision 5 11/88

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-298  
EXAM ITEM CPL-329-I  
ISO DWG. NO. CPL-329 REV. 0

## SKETCH SHEET



EXAMINER

EXAMINER

REVIEWER

REVIEWER

REVIEWER

LEVEL

LEVEL

LEVEL

DATE

DATE

DATE

DATE

DATE

5-16-92

N/A

5-16-92

II

N/A

II

5/20/92

5/20/92



Carolina Power & Light Company  
VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-299

WR&A # N/A

PAGE 1 OF 1

PLANT: NB ROBINSON UNIT 1 1 2 1 PSI ISI

SYSTEM: FEEDWATER COMPONENT NAME: HANGER COMPONENT ID NO.: CPL-331-A

DWG./LOC.: CPL 331 REV-0 / TURBINE BLOC.

☒ VT-3 PROCEDURE: SP 1097 ERO 5-1692 NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☐ MIRROR TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT ☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT ☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

RE EXAM AFTER REPAIR

WRTO 92-AFJE1

EXAMINER: Edward L. Downer LEVEL: II DATE: 5-16-92

REVIEWER: Carl Pinner LEVEL: II DATE: 5-18-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/20/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Mallada

DATE: 5-20-92



VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-315

WR&A # 92-AFWRI

PAGE 1 OF 1

PLANT: H. B. ROBINSON

UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM:

COMPONENT

COMPONENT

AUX FEED WATER

NAME:

SUPPORT

ID NO.:

CPL 331A-T

DWG./LOC.: CPL 331A REV 1 TURBINE Bldg

[X] VT-3 PROCEDURE: <sup>SP1097 QC 5-24-92</sup> NDEP-613 REV.:

[ ] VT-4 PROCEDURE: <sup>N/A</sup> 614 REV.:

DIRECT [X] REMOTE [X]

VIDEO RECORDING NO:

[X] N/A

EQUIPMENT USED:

[X] FLASHLIGHT

[X] MIRROR

[ ] OTHER

TYPE OF COMPONENT SUPPORT:

[ ] HYDRAULIC SNUBBER

[ ] CONSTANT SUPPORT

[ ] MECHANICAL SNUBBER

[ ] VARIABLE SUPPORT

[X] SUPPORT/HANGER

CONDITION  
Present

YES

NO

N/A

COMMENTS

FASTENING DEVICES

X

MISALIGNMENT

X

DEBRIS

X

CORROSION/EROSION

X

STRUCTURAL INTEGRITY

X

RESISTANCE TO MOVEMENT

X

CLEARANCES OF MOVING PARTS

X

ARC STRIKES/GOUGES

X

VARIABLE/CONSTANT SUPPORT

ACTUAL:

N/A

SNUBBER

ACTUAL:

N/A

STROKE:

N/A

S/N

N/A

COMMENTS:

~~NO CORROSION/EROSION NOTED~~  
SUPPORT REPAINTED  
RUST REMOVED. SUPPORT PAINTED  
NO RECORDABLE INDICATIONS NOTED  
5/24/92

EXAMINER:

John Crabtree

LEVEL:

II

DATE:

5-24-92

REVIEWER:

[Signature]

LEVEL:

II

DATE:

6-5-92

COMPONENT CONDITION:

[ ]

SATISFACTORY

[ ]

UNSATISFACTORY

REVIEWED BY:

Richard B. Weber 6/1/92

REVIEWERS COMMENTS:

ANII REVIEW:

[Signature]

DATE:

6-5-92

QA NDE ISI 5, Revision 5 11/88

6-5-92





VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1047-317

WR&A # 92-ADWT 1

PAGE 1 OF 1

PLANT: H. D. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI  
SYSTEM: A F W COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL 331A-V

DWG./LOC.: CPL 331A REV 1 TURBINE BLD.

[X] VT-3 PROCEDURE: SP 1097 OK 5-29-92 NDEP-613 REV.: [ ] VT-4 PROCEDURE: 614 REV.: N/A

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A  
EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR TYPE OF COMPONENT SUPPORT:  
[ ] OTHER \_\_\_\_\_ [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
[X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	
MISALIGNMENT			X	
DEBRIS			X	
COLLISION/EROSION		X		
STRUCTURAL INTEGRITY			X	
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES			X	

VARIABLE/CONSTANT SUPPORT ACTUAL: N/A  
SNUBBER ACTUAL: N/A STROKE: N/A S/N N/A

COMMENTS: SUPPORT REPAINTED  
RUST REMOVED. NO RECORDABLE INDICATIONS NOTED

EXAMINER: John Crabtree LEVEL: TL DATE: 5-29-92  
REVIEWER: [Signature] LEVEL: TL DATE: 6-5-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 6/1/92

REVIEWERS COMMENTS:

ANII REVIEW: R. Palladano DATE: 6-5-92



PAGE 1 OF 1

UNIT ( 11 (X)2 ( 1PSI (X)ISI

SYSTEM:	COMPONENT	COMPONENT
AFW	NAME: SUPPORT	ID NO.: CPL 331A-W

DWG./LOC.: C0L331A REV 1 / TURBINE BLOC

<input checked="" type="checkbox"/>	VT-3 PROCEDURE:	SP 1097 <i>QC</i> 5-24-92 NDOP-613 REV.:	<input type="checkbox"/>	VT-4 PROCEDURE: 614 REV.:
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DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED:		TYPE OF COMPONENT SUPPORT:	
<input checked="" type="checkbox"/> FLASHLIGHT	<input checked="" type="checkbox"/> MIRROR	<input type="checkbox"/> HYDRAULIC SNUBBER	<input type="checkbox"/> CONSTANT SUPPORT
<input type="checkbox"/> OTHER _____		<input type="checkbox"/> MECHANICAL SNUBBER	<input type="checkbox"/> VARIABLE SUPPORT
		<input checked="" type="checkbox"/> SUPPORT/HANGER	

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	N/A
MISALIGNMENT			X	
DEBRIS			X	
CORROSION/EROSION		X		
STRUCTURAL INTEGRITY			X	
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES			X	
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RUST REMOVED

SUPPORT REDACTED. NO RECORDABLE INDICATIONS NOTED

EXAMINER: Jim C. Smith LEVEL: II DATE: 5-29-92

REVIEWER: [Signature] LEVEL: II DATE: 6-5-92

COMPONENT CONDITION:    ☒ SATISFACTORY                    ☐ UNSATISFACTORY

REVIEWED BY: H. L. B. Baker 6/1/92

REVIEWERS COMMENTS:

ANAL REVIEW: *[Signature]*

DATE: 6-5-92





# CP&L

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-320

WR&A # 92-AFWX1

PAGE 1 OF 1

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI  
 SYSTEM: AFW COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL 331A - Y

DWG./LOC.: CPL 331A REV 1 / TURBINE BLD

[X] VT-3 PROCEDURE: NDP-613 REV.: 0 <sup>SP1097 OK 5-24-92</sup> [ ] VT-4 PROCEDURE: 614 REV.: N/A

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: XT N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER \_\_\_\_\_  
 TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT  
 [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT  
 [X] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	
MISALIGNMENT			X	
DEBRIS			X	
EROSION/EROSION		X		N
STRUCTURAL INTEGRITY			X	A
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES			X	

VARIABLE/CONSTANT SUPPORT ACTUAL: N/A

SNUBBER ACTUAL: N/A STROKE: N/A S/N N/A

COMMENTS: RUST REMOVED  
SUPPORT REPAINTED NO RECORDABLE INDICATIONS NOTED

EXAMINER: John Crabtree LEVEL: II DATE: 5-29-92

REVIEWER: [Signature] LEVEL: III DATE: 6-5-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

VIEWED BY: Richard B. Weber 6/1/92

REVIEWERS COMMENTS:

ANAL REVIEW: RP Valladares DATE: 6-5-92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-300

WR&A # N/A

PAGE 1 OF 1

LANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>FEEDWATER</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-331-B</u>
-----------------------------	----------------------------------	---------------------------------------

DWG./LOC.: CPL 331 RETO / TURBINE BLDG.

<input checked="" type="checkbox"/> VT-3 PROCEDURE: <u>SP-1097 ERO 5-1692</u> <u>NDEP-613 REV.: 0</u>	<input type="checkbox"/> VT-4 PROCEDURE: <u>614 REV.:</u>
--	---

DIRECT <input checked="" type="checkbox"/> REMOTE <input checked="" type="checkbox"/>	VIDEO RECORDING NO: <input checked="" type="checkbox"/> N/A
---	---

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		<div>N</div> <div>A</div>
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: NO RECORDABLE INDICATIONS

REEXAM AFTER REPAIR WR/JO 92 AFJF1

EXAMINER: <u>Shumalt Daren</u>	LEVEL: <u>II</u>	DATE: <u>5-16-92</u>
--------------------------------	------------------	----------------------

REVIEWER: <u>Est Purnan</u>	LEVEL: <u>II</u>	DATE: <u>5-18-92</u>
-----------------------------	------------------	----------------------

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/20/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Walladans DATE: 5-20-92



Carroll Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-209

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 331 B-G</u>
--------------------	--------------------------------	--------------------------------------

DWG./LOC.: CPL 331 B REV 0 / CCW HEAT EXCHANGER ROOM

[X] VT-3 PROCEDURE: SP1097 AP4-2-92 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [X] REMOTE [X] VIDEO RECORDING NO: [X] N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT [X] SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS	✓			SEE ATTACHMENT
CORROSION/EROSION		✓		/
STRUCTURAL INTEGRITY		✓		
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	/
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS  
COMPONENT INSULATED  
EXPANDED SCOPE

EXAMINER: Art Purnan LEVEL: II DATE: 4-21-92

REVIEWER: Edmund R. Dawson LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

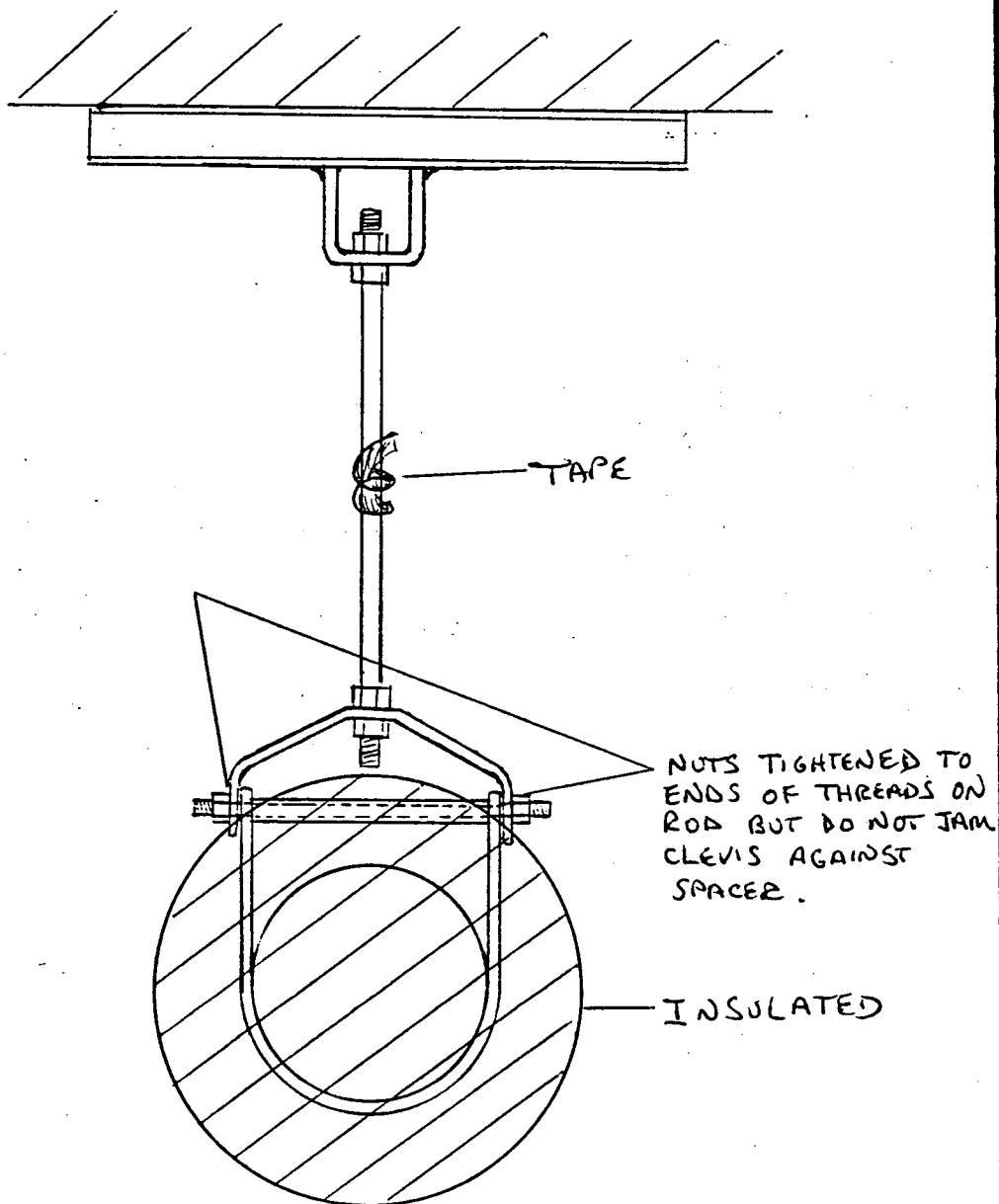
REVIEWERS COMMENTS:

ANII REVIEW: RP Valladares DATE: 4.27.92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-209EXAM ITEM CPL 331 B - GISO DWG. NO. CPL 331 B REV. 0

## SKETCH SHEET



EXAMINER

Art Purnan

EXAMINER

N/A

REVIEWER

Edmund R. Dawson

REVIEWER

Richard B. Weber

REVIEWER

RMLEVEL IILEVEL N/ALEVEL IIDATE 4/25/92

DATE

DATE 4-21-92DATE N/ADATE 4-22-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-292

WR&A # N/A

PAGE 1 OF 1

PLANT: HB ROBINSON UNIT [ 1 ] [ X ] 2 [ ] PSI [ X ] ISI

SYSTEM: <u>AUX FEED</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-331B-H</u>
-------------------------	-------------------------------	-------------------------------------

DWG./LOC.: CPL-331BREV-0 / COMPONENT COOLANT ROOM

[ X ] VT-3 PROCEDURE: SP-1097 ERO 5-1692 N/A  
[ ] VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		N A
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT			<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: NO RECORDABLE INDICATIONS

RE EXAM AFTER REPAIR WR/JO 92-AFRY-1

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 5-16-92

REVIEWER: [Signature] LEVEL: II DATE: 5-18-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/20/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Valladares

DATE: 5-20-92



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-210

WR&A # N/A

PAGE 1 OF 2

PLANT: H. B. ROBINSON UNIT [ ] 1 [x] 2 [ ] PSI [x] ISI

SYSTEM: <u>AFW</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL 331B-H</u>
--------------------	--------------------------------	-------------------------------------

DWG./LOC.: CPL 331B REV 0 / CCW HEAT EXCHANGER ROOM

[x] VT-3 PROCEDURE: SP1097 App. 2-42 NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT [x] REMOTE [x] VIDEO RECORDING NO: [x] N/A

EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
[x] FLASHLIGHT [x] MIRROR	[ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT
[ ] OTHER	[ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT
	[x] SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	✓			SEE ATTACHMENT
MISALIGNMENT		✓		
DEBRIS		✓		
CORROSION/EROSION		✓		
STRUCTURAL INTEGRITY		✓		N/A
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES		✓		
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A		STROKE: N/A	S/N N/A

COMMENTS: RECORDABLE INDICATIONS  
COMPONENT INSULATED  
EXPANDED SCOPE

EXAMINER: Cert Pinner LEVEL: II DATE: 4-21-92

REVIEWER: Edmund R. Dancova LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

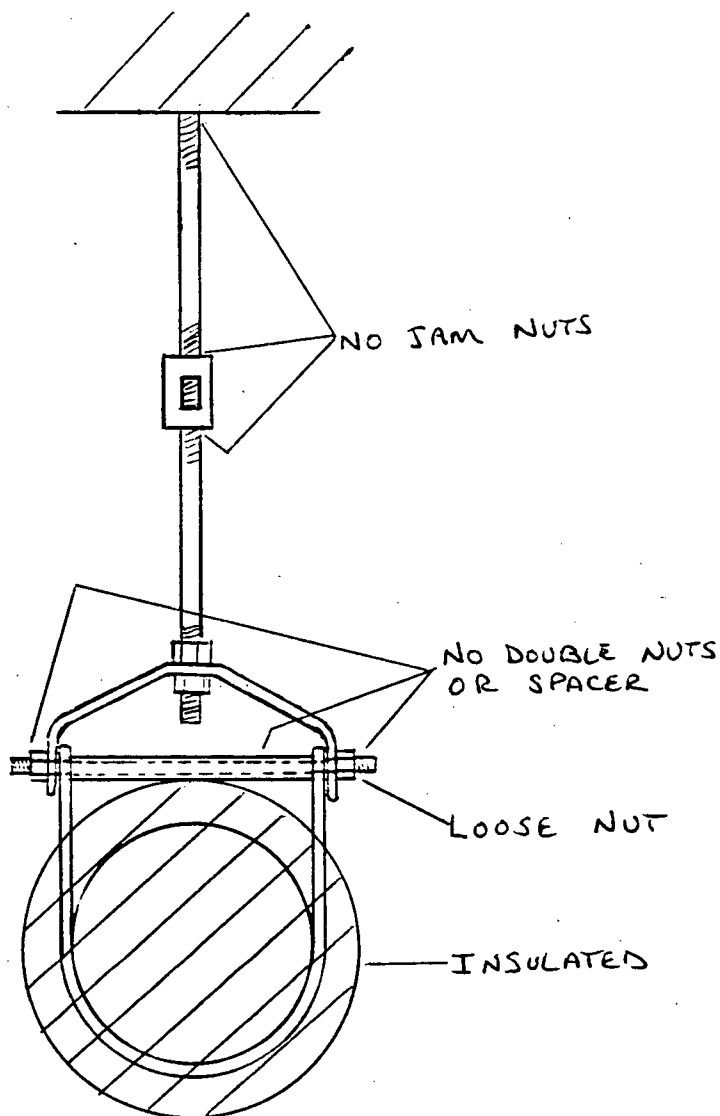
ANII REVIEW: R. P. Valladares

DATE: 4-27-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-210  
EXAM ITEM CPL 331 B -H  
ISO DWG. NO. CPL 331 B REV. 0

## SKETCH SHEET



EXAMINER Art Purnan  
EXAMINER N/A  
REVIEWER Chuck R. Darn  
REVIEWER Richard B. Weber  
REVIEWER DN

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/25/92  
DATE \_\_\_\_\_

DATE 4-21-92  
DATE N/A  
DATE 4-22-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-198

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEED WATER</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-331B-J</u>
----------------------------------	----------------------------------	--

DWG./LOC.: CPL-331B REV-0 / AUX HALLWAY

[X] VT-3 PROCEDURE: SP-1097 ERO 4-22-92  
NDEP-613 REV.: 0 [ ] VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: [X] FLASHLIGHT [X] MIRROR [ ] OTHER _____	TYPE OF COMPONENT SUPPORT: [ ] HYDRAULIC SNUBBER [ ] CONSTANT SUPPORT [ ] MECHANICAL SNUBBER [ ] VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
---	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS PIPE WAS INSULATED  
EXPANDED SCOPE

EXAMINER: Edmund R. Down LEVEL: II DATE: 4-22-92

REVIEWER: Art P. Pinner LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: [ ] SATISFACTORY [ ] UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

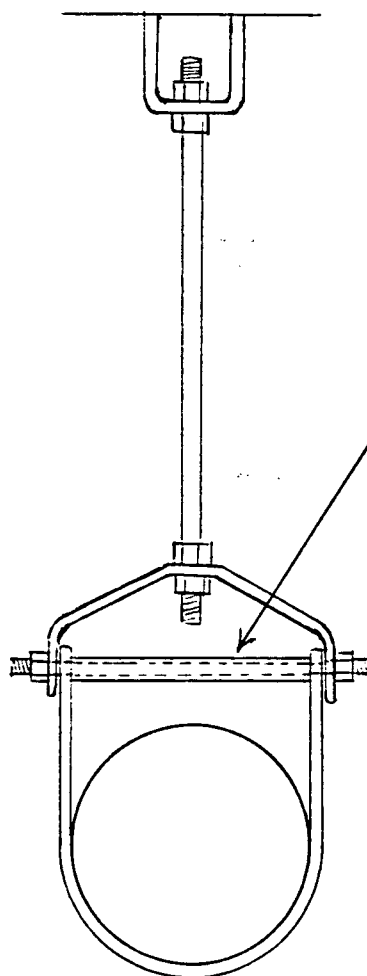
ANII REVIEW: B. Walladane DATE: 4-28-92



# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-188EXAM ITEM CPL-331B-JISO DWG. NO. CPL 331B REV. 0

## SKETCH SHEET



NO PIPE SPACER  
INSTALLED IN CLEVIS

EXAMINER Edmund L. Donovan  
EXAMINER N/A  
REVIEWER Richard B. Weber  
REVIEWER Art Pinner  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL A/A  
LEVEL II  
DATE 4-27-92  
DATE \_\_\_\_\_

DATE 4-22-92  
DATE N/A  
DATE 4/25/92  
4-27-92



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-799

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: AUX FEEDWATER COMPONENT NAME: HANGER COMPONENT ID NO.: CPL-331B-K

DWG./LOC.: CPL-331B REV-0 / AUX HALLWAY

☒ VT-3 PROCEDURE: SP 1097 ERO 422-92 NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☐ OTHER \_\_\_\_\_  
TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATION PIPE WAS INSULATED  
EXPANDED SCOPE

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-22-92

REVIEWER: Art Purnell LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

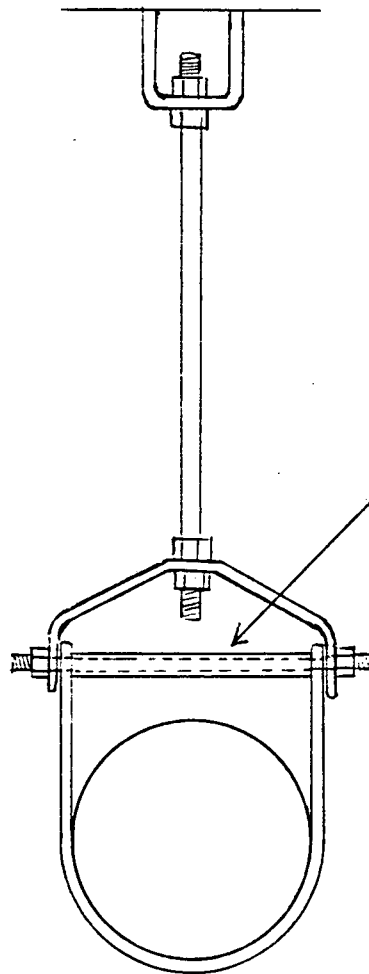
REVIEWERS COMMENTS:

ANII REVIEW: R. Valladao DATE: 4-28-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097799EXAM ITEM CPL-331B-KISO DWG. NO. CPL-3318 REV. 0

## SKETCH SHEET



NO PIPE SPACER  
INSTALLED ON CLEVIS

EXAMINER Edmund R. Donovan  
EXAMINER PA  
REVIEWER Jim P...  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL PA  
LEVEL II  
DATE 4/25/92  
DATE \_\_\_\_\_

DATE 4-22-92  
DATE PA  
DATE 4-27-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-200

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-3318-L</u>
---------------------------------	----------------------------------	--

DWG./LOC.: CPL-3318 REV-0 / AUX HALLWAY

☒ VT-3 PROCEDURE: SP 1097 ERO 4-22-92  
NOEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATION PIPE WAS INSULATED  
EXPANDED SCOPE

EXAMINER: Edmund R. Donovan LEVEL: II DATE: 4-22-92

REVIEWER: Art P... LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

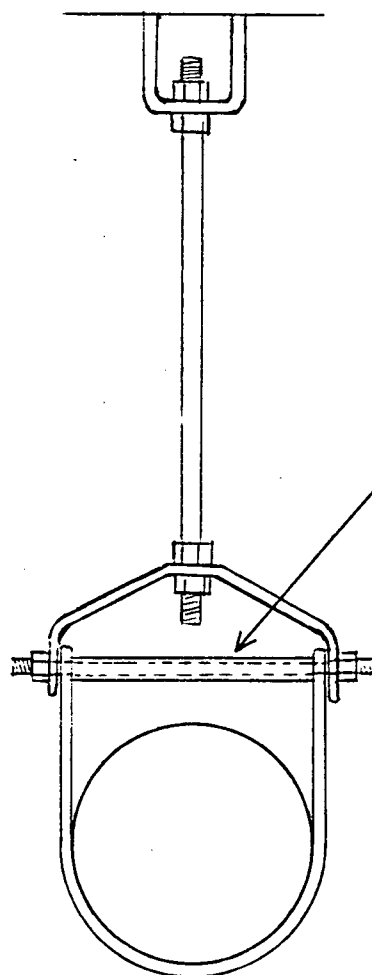
REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 4-28-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-200EXAM ITEM CPL-3318-LISO IDWG. NO. CPL-3318 REV. 0

## SKETCH SHEET



NO PIPE SPACER  
INSTALLED ON CLEVIS

EXAMINER

Edmund J. Donovan

LEVEL

II

DATE

4-22-92

EXAMINER

N/A

LEVEL

N/A

DATE

N/A

REVIEWER

Scott P. Ryan

LEVEL

III

DATE

4-27-92

REVIEWER

Richard B. Weber

DATE

4/25/92

REVIEWER

DATE

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-201

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>HANGER</u>	COMPONENT ID NO.: <u>CPL-331B-M</u>
---------------------------------	----------------------------------	--

DWG./LOC.: CPL-331B REV-0 / AUX HALLWAY

☒ VT-3 PROCEDURE: SP 1097 ERO 4-22-92  
NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: <input checked="" type="checkbox"/> FLASHLIGHT <input checked="" type="checkbox"/> MIRROR <input type="checkbox"/> OTHER _____	TYPE OF COMPONENT SUPPORT: <input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT <input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT <input checked="" type="checkbox"/> SUPPORT/HANGER
--	---

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
STRUCTURAL INTEGRITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SEE ATTACHED SKETCH
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u> STROKE: <u>N/A</u> S/N <u>N/A</u>			

COMMENTS: RECORDABLE INDICATIONS PIPE WAS INSULATED  
EXPANDED SCOPE

EXAMINER: Edmund R. Donover LEVEL: II DATE: 4-22-92

REVIEWER: Art Purnan LEVEL: II DATE: 4-27-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

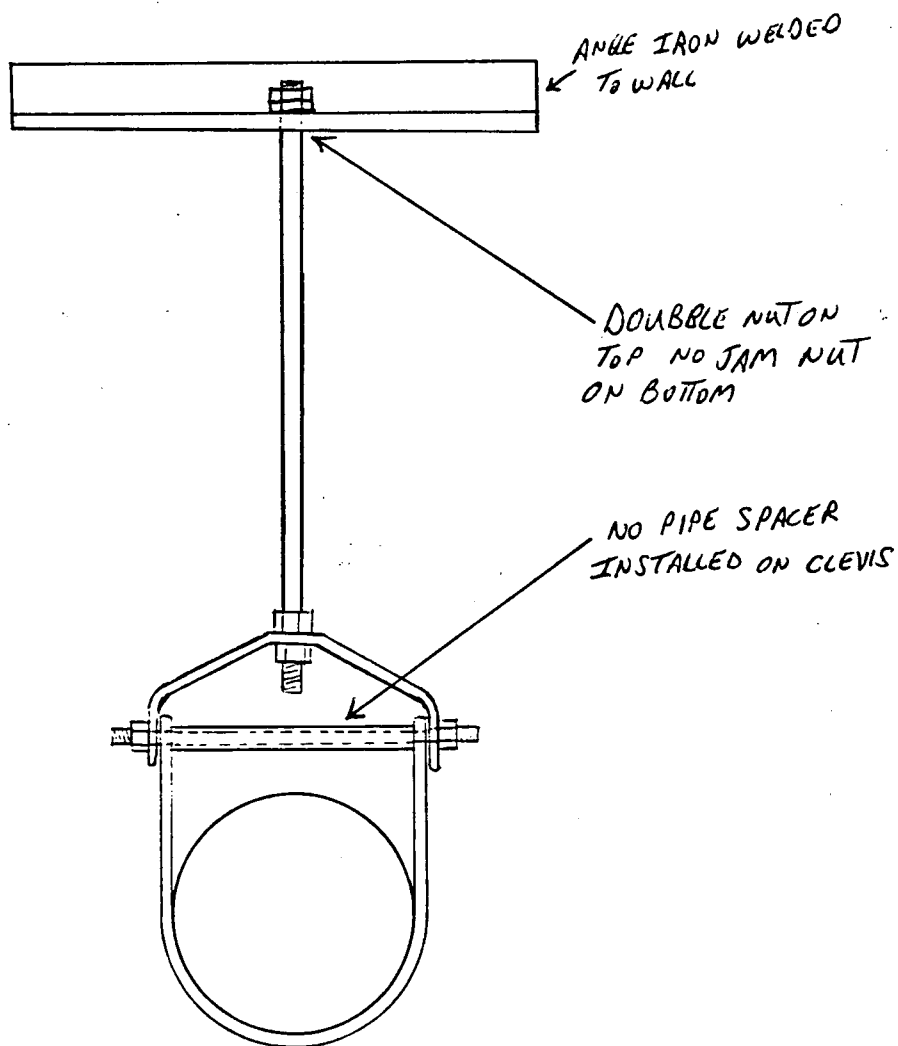
REVIEWERS COMMENTS:

ANII REVIEW: R. Valladares DATE: 4-28-92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-201  
EXAM ITEM CPL-3318-M  
ISO DWG. NO. CPL 3318 REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Dorman  
EXAMINER N/A  
REVIEWER Art Pinner  
REVIEWER Richard B. Weber  
REVIEWER \_\_\_\_\_

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/25/92  
DATE \_\_\_\_\_

DATE 4-22-92  
DATE N/A  
DATE 4-27-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-301

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 1 1 ☒ 2 1 1 PSI ☒ ISI

SYSTEM: FEED WATER COMPONENT NAME: SUPPORT/SNUBBER COMPONENT ID NO.: CPL-333-F

DWG./LOC.: CPL 333 REV-0 / TURBINE BLOC

☒ VT-3 PROCEDURE: SP 1097 ERO 5-1692 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☒ OTHER 6" SCALE

TYPE OF COMPONENT SUPPORT: ☒ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			SEE ATTACHED SKETCH
CLEARANCES OF MOVING PARTS		<input checked="" type="checkbox"/>		
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		

VARIABLE/CONSTANT SUPPORT ACTUAL: N/A

SNUBBER ACTUAL: 2.85" STROKE: 5" S/N 30085

COMMENTS: RECORDABLE INDICATIONS SIZE 2.5, COLO SET: 2.5"  
EXAM REQUESTED BY NED HOT SET: NOT LISTED ON TAG  
EXAMINED SCORE ERO 5-1692 FLUID RESERVOIR 3/4 FULL

EXAMINER: Edmund R. Dawson LEVEL: II DATE: 5-16-92

REVIEWER: Art Purnan LEVEL: II DATE: 5-18-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/20/92

REVIEWERS COMMENTS:

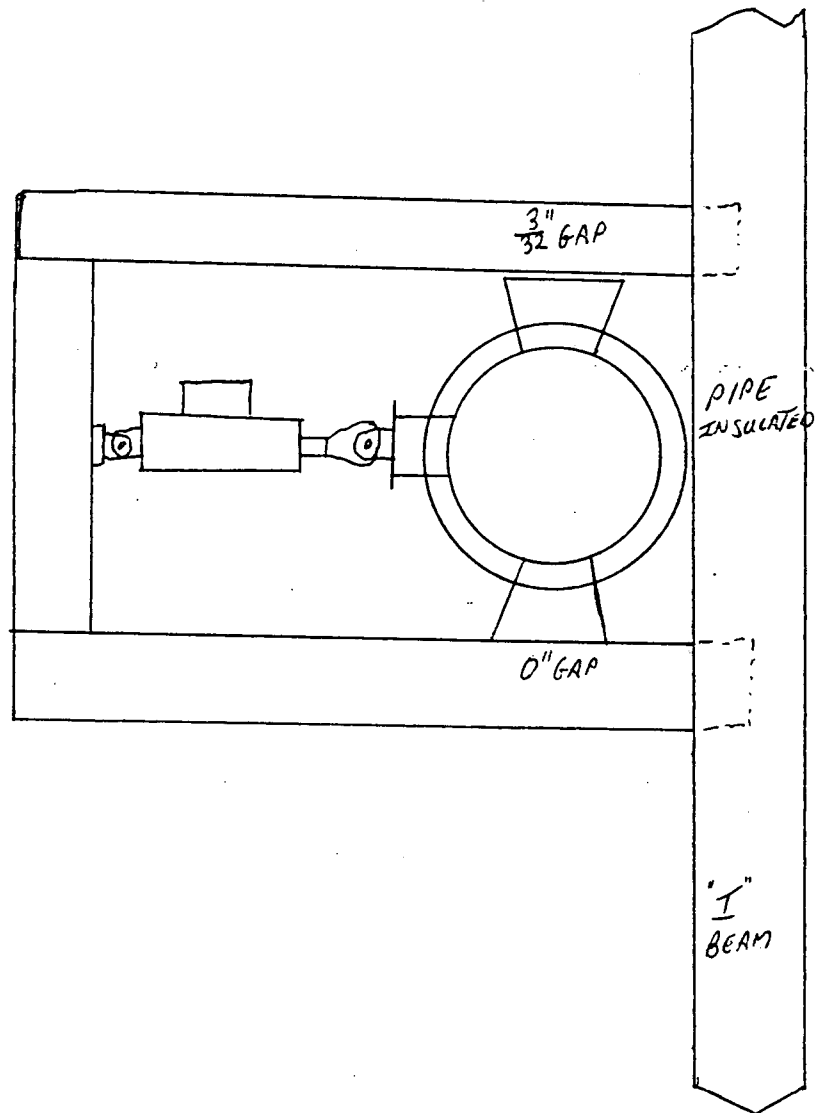
ANII REVIEW: W. Alledore DATE: 5/20/92



# 1105

PAGE 2 OF 2  
DATA SHEET NO. 1092-301  
EXAM ITEM CPL-333-F  
ISO DWG. NO. CPC 333 REV. 0

## SKETCH SHEET



EXAMINER	<u>Edward L. Dacosta</u>	LEVEL	<u>II</u>	DATE	<u>5-16-92</u>
EXAMINER	<u>NA</u>	LEVEL	<u>NA</u>	DATE	<u>NA</u>
REVIEWER	<u>Art Purnan</u>	LEVEL	<u>II</u>	DATE	<u>5-18-92</u>
REVIEWER	<u>Richard B. Weber</u>	DATE	<u>5/20/92</u>		
REVIEWER	<u>CR Valladares AWT</u>	DATE	<u>5/20/92</u>		

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-303

WR&A # N/A

PAGE 1 OF 1

PLANT: H. B. ROBINSON UNIT ☐ 1 ☒ 2 ☐ PSI ☒ ISI

SYSTEM: FEEDWATER COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-333-H

DWG./LOC.: CPL 333 REV0 / TURBINE BLDG.

☒ VT-3 PROCEDURE: SP1097 AP 5-21-92 NDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☐ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☐ MIRROR ☐ OTHER \_\_\_\_\_

TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		✓		N/A
MISALIGNMENT			✓	
DEBRIS			✓	
EROSION/EROSION			✓	
STRUCTURAL INTEGRITY			✓	
RESISTANCE TO MOVEMENT			✓	
CLEARANCES OF MOVING PARTS			✓	
ARC STRIKES/GOUGES			✓	

VARIABLE/CONSTANT SUPPORT ACTUAL: N/A

SNUBBER ACTUAL: N/A STROKE: N/A S/N N/A

COMMENTS: NO RECORDABLES

EXAMINED AFTER REPAIR

WR/JO 92-AFRM1

EXAMINER: [Signature] LEVEL: II DATE: 5-21-92

REVIEWER: [Signature] LEVEL: II DATE: 5-22-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/22/92

REVIEWERS COMMENTS:

ANII REVIEW: [Signature]

DATE: 6/2/92



Carolina Power & Light Company

# VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-187

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT 11 ☒ 12 ☐ PSI ☒ ISI

SYSTEM: FEEDWATER COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-333-H

DWG./LOC.: CPL-333-~~REV~~ <sup>SP-1097-OR 4-20-92</sup> Rev 0 / Turb. Bldg - upper level

☒ VT-3 PROCEDURE: ~~NDEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☐ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☐ FLASHLIGHT ☐ MIRROR ☐ OTHER \_\_\_\_\_ TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT ☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT ☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See page #2
MISALIGNMENT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
DEBRIS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION/EROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See page #2
STRUCTURAL INTEGRITY	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A
RESISTANCE TO MOVEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CLEARANCES OF MOVING PARTS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VARIABLE/CONSTANT SUPPORT	ACTUAL: N/A			
SNUBBER	ACTUAL: N/A			STROKE: N/A S/N N/A

COMMENTS: RECORDABLE INDICATIONS - see page #2 for details

\* EXPANDED SCOPE

EXAMINER: Cliff Moss (CR) LEVEL: II DATE: 4-20-92

REVIEWER: Edward Donovan (RD) LEVEL: II DATE: 4-22-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 4/25/92

REVIEWERS COMMENTS:

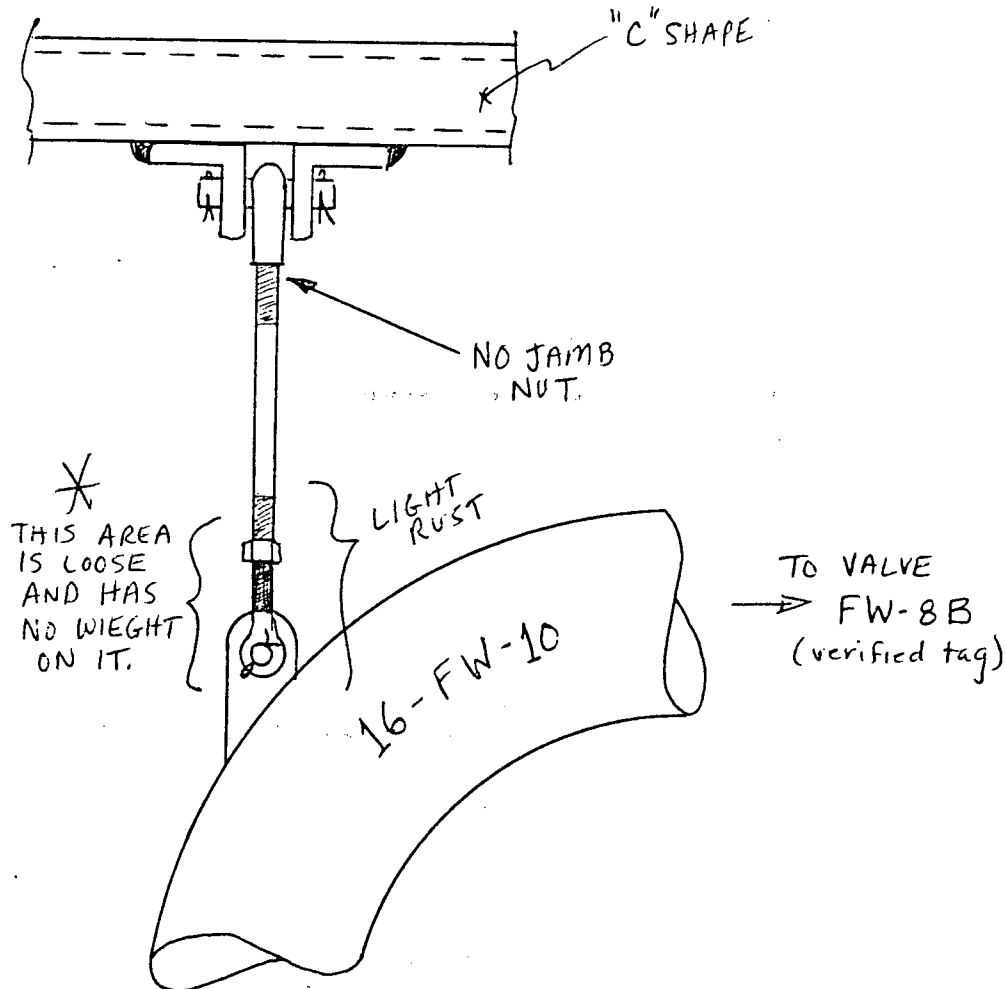
ANII REVIEW: R. Vellek

DATE: 4-27-92

# 1125

PAGE 2 OF 2DATA SHEET NO. 1097-87EXAM ITEM CPL-333-HISO DWG. NO. CPL-333 REV. 0

## SKETCH SHEET



EXAMINER Cliff Moss  
EXAMINER N/A  
REVIEWER Charles P. Dancova  
REVIEWER Richard B. Weber  
REVIEWER RA

LEVEL II  
LEVEL N/A  
LEVEL II  
DATE 4/25/92  
DATE \_\_\_\_\_

DATE 4-20-92  
DATE N/A  
DATE 4-22-92



Carolina Power & Light Company

VISUAL EXAMINATION  
DATA SHEET

REPORT NO. 1097-302

WR&A # N/A

PAGE 1 OF 2

PLANT: HB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: FEEDWATER COMPONENT NAME: SUPPORT COMPONENT ID NO.: CPL-333-I

DWG./LOC.: CPL-333 REV-0 / TURBINE BLDG

☒ VT-3 PROCEDURE: SP1097 ERD 5-16-92 WDEP-613 REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.:

DIRECT ☒ REMOTE ☒ VIDEO RECORDING NO: ☒ N/A

EQUIPMENT USED: ☒ FLASHLIGHT ☒ MIRROR ☒ OTHER 6" SCALE  
TYPE OF COMPONENT SUPPORT: ☐ HYDRAULIC SNUBBER ☐ CONSTANT SUPPORT  
☐ MECHANICAL SNUBBER ☐ VARIABLE SUPPORT  
☒ SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES		<input checked="" type="checkbox"/>		
MISALIGNMENT		<input checked="" type="checkbox"/>		
DEBRIS		<input checked="" type="checkbox"/>		
CORROSION/EROSION		<input checked="" type="checkbox"/>		
STRUCTURAL INTEGRITY		<input checked="" type="checkbox"/>		
RESISTANCE TO MOVEMENT	<input checked="" type="checkbox"/>			<u>SEE ATTACHED SKETCH</u>
CLEARANCES OF MOVING PARTS	<u>ERD 5-16-92</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ARC STRIKES/GOUGES		<input checked="" type="checkbox"/>		
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>N/A</u>			
SNUBBER	ACTUAL: <u>N/A</u>		STROKE: <u>N/A</u>	S/N <u>N/A</u>

COMMENTS: RECORDABLE INDICATIONS  
ERD 5-18-92 EXPANDED SCOPE EXAM REQUESTED BY NED

EXAMINER: Edward F. Dawson LEVEL: II DATE: 5-16-92

REVIEWER: Art Purnan LEVEL: II DATE: 5-18-92

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/20/92

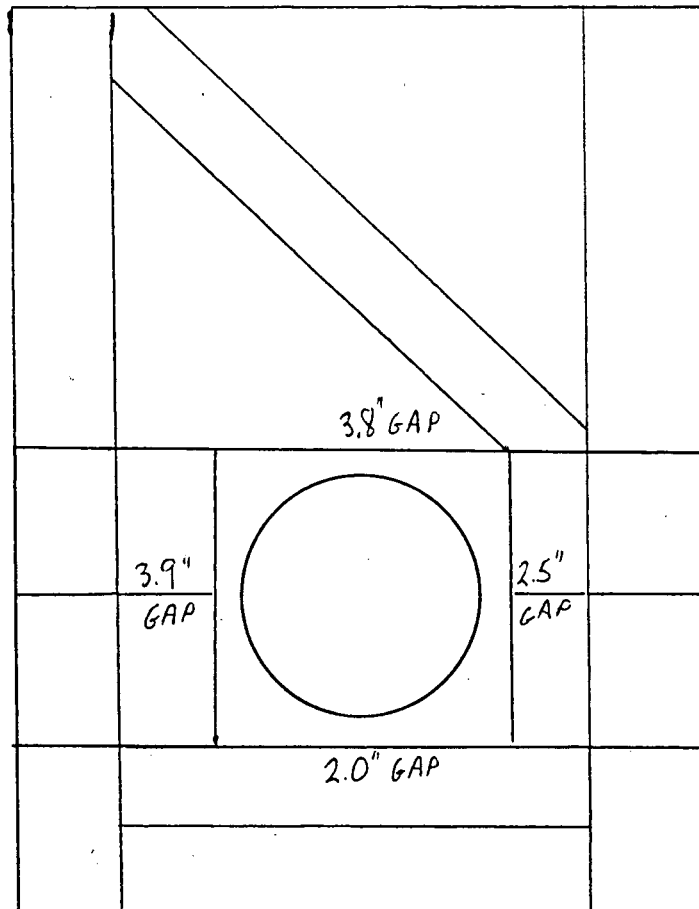
REVIEWERS COMMENTS:

ANII REVIEW: AP Valladares DATE: 5/20/92

# 1125

PAGE 2 OF 2  
DATA SHEET NO. 1097-302  
EXAM ITEM CPL-333-I  
ISO DWG. NO. CPL 333 REV. 0

## SKETCH SHEET



EXAMINER Edmund R. Donovan  
EXAMINER NA  
REVIEWER Art Rimmer  
REVIEWER Richard B. Weber  
REVIEWER Walladene RHEE

LEVEL II  
LEVEL NA  
LEVEL II  
DATE 5/20/92  
DATE 5/30/92

DATE 5-16-92  
DATE NA  
DATE 5-18-92

## VISUAL EXAMINATION DATA SHEET

REPORT NO. 1097-296

WR&A # NA

PAGE 1 OF 1

PLANT: NB ROBINSON UNIT [ ] 1 [X] 2 [ ] PSI [X] ISI

SYSTEM: <u>AUX FEEDWATER</u>	COMPONENT NAME: <u>SUPPORT</u>	COMPONENT ID NO.: <u>CPL-334A-C1</u>
---------------------------------	-----------------------------------	---

DWG./LOC.: CPL-334A REV 0 / TURBINE BLDE

☒ VT-3 PROCEDURE: SP1097 ERO 516-92 ~~NOEP-613~~ REV.: 0 ☐ VT-4 PROCEDURE: 614 REV.: 0

DIRECT <input checked="" type="checkbox"/> REMOTE <input type="checkbox"/>	VIDEO RECORDING NO: <u>[X] N/A</u>
EQUIPMENT USED:	TYPE OF COMPONENT SUPPORT:
<input type="checkbox"/> FLASHLIGHT <input type="checkbox"/> MIRROR	<input type="checkbox"/> HYDRAULIC SNUBBER <input type="checkbox"/> CONSTANT SUPPORT
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> MECHANICAL SNUBBER <input type="checkbox"/> VARIABLE SUPPORT
	<input checked="" type="checkbox"/> SUPPORT/HANGER

CONDITION Present	YES	NO	N/A	COMMENTS
FASTENING DEVICES			X	<div style="font-size: 2em; transform: rotate(45deg); display: inline-block;">N A</div>
MISALIGNMENT			X	
DEBRIS			X	
CORROSION/EROSION			X	
STRUCTURAL INTEGRITY			X	
RESISTANCE TO MOVEMENT			X	
CLEARANCES OF MOVING PARTS			X	
ARC STRIKES/GOUGES			X	
VARIABLE/CONSTANT SUPPORT	ACTUAL: <u>NA</u>			
SNUBBER	ACTUAL: <u>NA</u>		STROKE: <u>NA</u>	SIN <u>NA</u>

COMMENTS: SUPPORT HAS BEEN COMPLETELY REMOVED AS PER WR/JO 92-AFYWI  
RE EXAM AFTER SUPPORT REMOVAL

EXAMINER: <u>Chung R Dorn</u>	LEVEL: <u>II</u>	DATE: <u>5-16-92</u>
REVIEWER: <u>Q. P. Purnan</u>	LEVEL: <u>II</u>	DATE: <u>5-18-92</u>

COMPONENT CONDITION: ☐ SATISFACTORY ☐ UNSATISFACTORY

REVIEWED BY: Richard B. Weber 5/20/92

REVIEWERS COMMENTS:

ANII REVIEW: CP Walladave DATE: 5-20-92

H.B. ROBINSON UNIT 2  
STEAM GENERATOR A & C WELD 5  
RE-INSPECTION SUMMARY

During RFO-13, ultrasonic examination of weld #5 produced eight reflectors on Steam Generator A and twenty six reflectors on Steam Generator C that exceeded ASME Section XI Table IWB-3500. Fracture Mechanics Calculations were performed on the above findings by Strucural Integrity Associates, Inc. and evaluated as acceptable for continued operation.

To comply with ASME Section XI rules these reflectors were re-examined during RFO-14. As noted in NDE SUMMARY/DISCUSSION dated 14 December, 1990, CP&L believed that the above reflectors had been oversized based on techniques used by Westinghouse Inspection Personnel and access restrictions to the weld. As a result of this belief a "semi-automated" examination was performed using the P-Scan Ultrasonic system.

Siemens Nuclear Services personnel performed the RFO-14 P-Scan Examination. On A Generator a total of six and on C Generator a total of 29 scans were performed. All scans encompassed reflectors found during RFO-13. Calibration sensitivity was established using the same technique as that used by Westinghouse during RFO-13.

The P-Scan system scans and stores data at a sensitivity level much greater than that required by ASME Section XI. This allows for future evaluation if there is ever a question about the calibration used. This system also corrects for beam spread, a phenomenon that results in oversized measurements of volumetric flaws/reflectors.

RFO-14 RESULTS:

Steam Generator A-

Five recordable reflectors were found (three I.D. connected & two embedded.) All reflectors were evaluated as acceptable per ASME Section XI, IWB 3500.

With the advantage of beam spread correction, the aspect ratios decreased from that measured by Westinghouse, for all recordable reflectors. One reflector, recorded at 63% DAC by Westinghouse, could not be reproduced at a recordable amplitude (50% DAC) by the P-Scan System.

Steam Generator C-

Nine recordable reflectors were found (six I.D. connected and three embedded.) All reflectors were evaluated as acceptable per ASME Section XI, IWB 3500.

For all recordable reflectors the aspect ratios decreased from that measured by Westinghouse.

The remaining reflectors were determined to be non-recordable or geometric.





May 26, 1992  
OM92HR - 539

Ms. Sharon Wheeler  
Carolina Power and Light Company  
H.B. Robinson Nuclear Project  
P.O. Box 790  
Hartsville, SC 29550

Subject: **Resolutiuon of Damaged Stud Threads**

References: ABB letter ASG-90-169, dtd 10/4/90, H. B. Robinson  
Plant Unit No. 2 Reactor Vessel - Resolution of Damaged  
Stud Threads  
ABB letter CSE-92-202, dtd 5/8/92, H. B. Robinson Plant  
Unit 2 Reactor Vessel Damaged Stud Threads

Dear Ms. Wheeler:

Enclosed for your review is the letter addressing the damaged  
threads on Reactor Vessel stud #41. A copy of the referenced  
letter from last outage is included for your information.

If you have any questions or comments regarding this issue, please  
contact anyone in the Outage Management Team on site.

Sincerely,

P. R. Smith  
Project Coordinator

ABB Combustion Engineering Nuclear Power

Combustion Engineering, Inc.  
Outage Services

911 W. Main Street  
Chattanooga, Tennessee 37402

Telephone (615) 752-2300  
Toll Free 1-800-828-6760  
Fax (615) 752-2449



Inter-Office Correspondence

To: Wayne Johnson

May 8, 1992

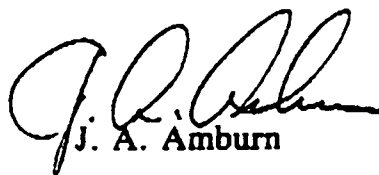
cc: T. Gann  
J. H. Sodergren  
File

Southeast Nuclear Service Center  
CSE-92-202

**SUBJECT: H. B. ROBINSON PLANT UNIT 2  
REACTOR VESSEL DAMAGED STUD THREADS**

CP&L work request WR/JO 91-AJCQ1 identifies stud #41 as having minor damage to three (3) threads on the lower end. This end of the stud engages the threads in the stud hole in the reactor vessel flange which has a total of 77 threads. Based on letter ASG-90-169 which was generated for a similar situation at H. B. Robinson in 1990 only 43 threads need to be fully engaged to meet the ASME Code Shear Stress requirement. Therefore, the three (3) damaged threads are structurally insignificant.

The damaged area should be polished to remove any burrs or upset metal that could cause damage to the threads in the vessel stud hole.

  
J. A. Amburn

JAA:jmj



Inter-Office Correspondence

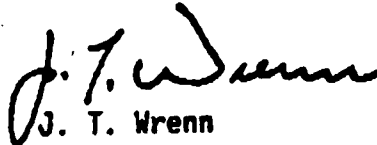
To: J. A. Amburn  
cc: P. L. Anderson

Date: October 4, 1990  
From: J. T. Wrenn  
Location: Analytical Engineering  
ASG-90-169

Subject: H. B. Robinson Plant Unit No. 2 Reactor Vessel -  
Resolution of Damaged Stud Threads

Reference: Report No. CENC-1111, Analytical Report  
for Carolina Power and Light Reactor Vessel

In accordance with the reference, the nut engagement length with the stud is 7.398 inches and contains 59 threads. However, only 43 threads need be fully engaged with the stud to meet the A.S.M.E. Code shear stress requirement. Therefore, the four (4) locally damaged stud threads can be considered structurally insignificant.

  
J. T. Wrenn

JTW/dlg

<b>VERIFICATION STATUS: COMPLETE</b>
<small>The Safety-Related design information contained in this document has been verified to be correct by means of Design Review using Checklist(s) <u>61</u></small>
<small>QAM - 101</small>
<u>N.L. BEARD / N.L. Beard / 10-4-90</u>
<small>Independent Reviewer: Name/Signature/Date</small>

## MAGNETIC PARTICLE NDE REPORT

PAGE 1 OF 1

DATE 5/7/92

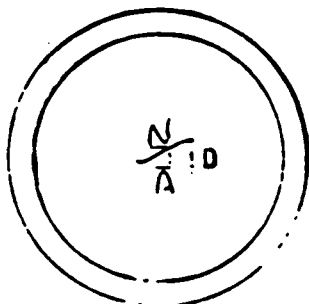
PROJECT H.B. ROBINSON JOB NO. 92-AGHS 1 UNIT 1 ☐ 2 ☒ 3 ☐ 4 ☐

DRAWING N/A	SYSTEM REACTOR HEAD	LINE N/A	WELD/ITEM NUMBER STUD NO 41
DESIGN CLASS/CATEGORY II	ACCEPTANCE STANDARD <input type="checkbox"/> ASME III <input type="checkbox"/> VIII <input type="checkbox"/> B31.1 <input type="checkbox"/> AWS D1.1 <input checked="" type="checkbox"/> OTHER SA 614		

MTL. TYPE C/S	MTL. THICKNESS N/A	Ø/D/LENGTH SEE SKETCH	SURFACE FINISH: <input type="checkbox"/> AS-WELDED <input checked="" type="checkbox"/> OTHER MACH	NDE PROCEDURE NO. NDEP 303 REV 10
STAGE OF MFG. <input type="checkbox"/> ROOT <input type="checkbox"/> INTERMEDIATE	<input type="checkbox"/> INFO <input checked="" type="checkbox"/> REPAIR <input checked="" type="checkbox"/> FINAL	JOINT DESIGN <input type="checkbox"/> INS <input type="checkbox"/> OPN. BT	<input type="checkbox"/> N/A <input type="checkbox"/> BRN <input type="checkbox"/> SOCKET	<input type="checkbox"/> BKS <input checked="" type="checkbox"/> OTHER STUD

CP&L EQUIPMENT IDENT NUMBER QC 12	COMPLETE FOLLOWING EQUIPMENT INFO. IF SUBCONTRACT MT:		
	MFG N/A	MODEL N/A	SERIAL NO. N/A
<input checked="" type="checkbox"/> AC <input type="checkbox"/> DC	PRODS <input type="checkbox"/> YOKE <input checked="" type="checkbox"/>	SPACING 4" x 6"	COIL <input type="checkbox"/> TURNS N/A
AMPERAGE USED N/A	PARTICLES <input type="checkbox"/> GREY <input type="checkbox"/> BLACK <input checked="" type="checkbox"/> WET	<input type="checkbox"/> RED <input type="checkbox"/> DRY	<input checked="" type="checkbox"/> FLORESCENT

## SKETCH &amp; REMARKS

☒ 00SEE ATTACHED SKETCH FOR  
THREAD REPAIR AREAS

WELD/ITEM NUMBER	REMARKS	ACC.	REJ.	INFO ONLY
STUD NUMBER 41	M.T. OF REPAIRED THREAD AREA - NO	✓		
	INDICATIONS NOTED,			

INSPECTOR John Corbett	CERTIFICATION LEVEL II	DATE 5.7.92
------------------------	------------------------	-------------

(TO BE COMPLETED AS INDICATED)

IF APPLICABLE CONTRACTOR REVIEWER	TITLE
REVIEW DATE	COMMENTS
IF APPLICABLE CP&L QA REVIEW	DATE
IF APPLICABLE A.N.I./A.I.	DATE

# CP&L

Carolina Power & Light Company

REPORT NO. \_\_\_\_\_

## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PAGE 1 OF 1

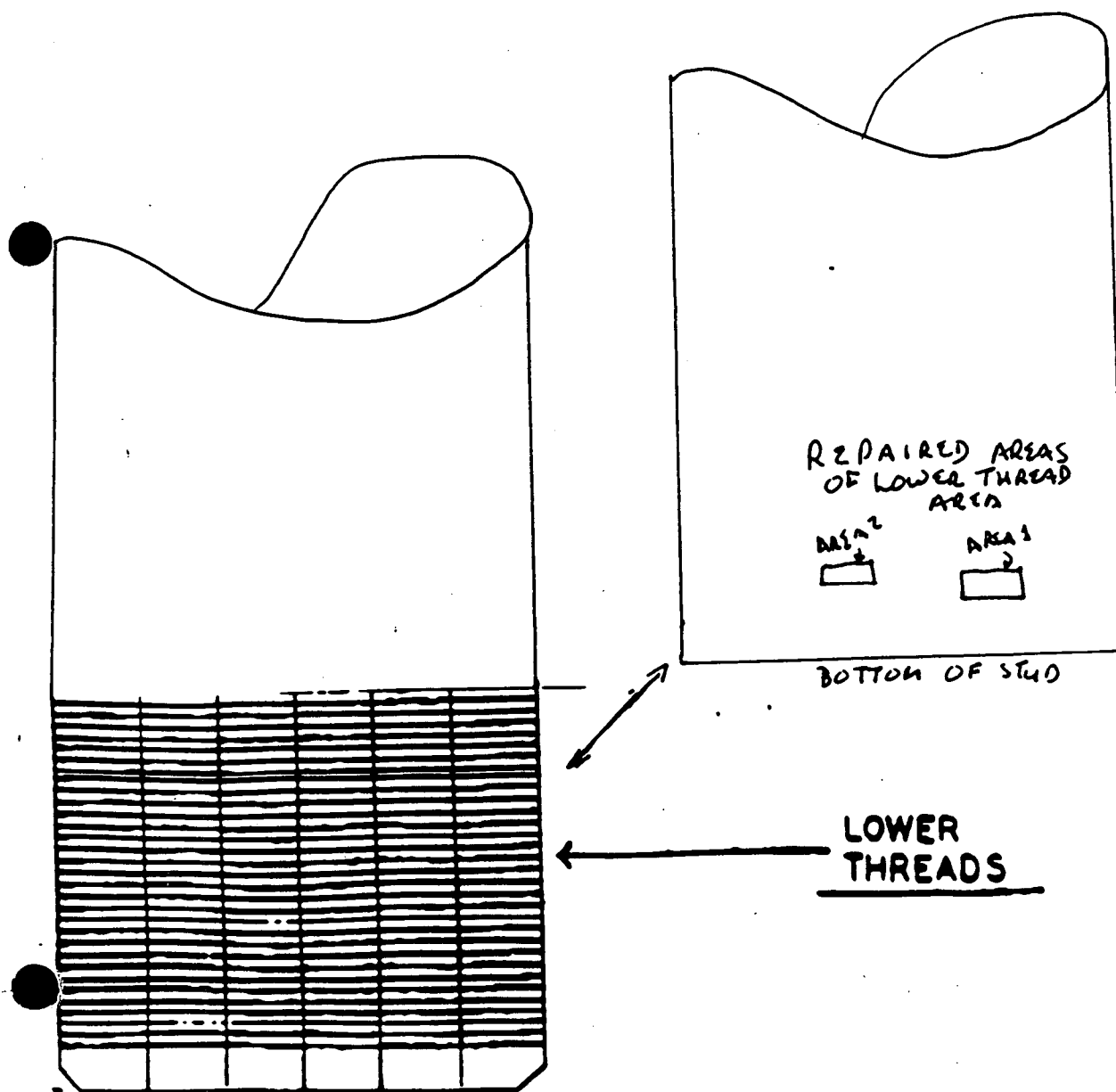
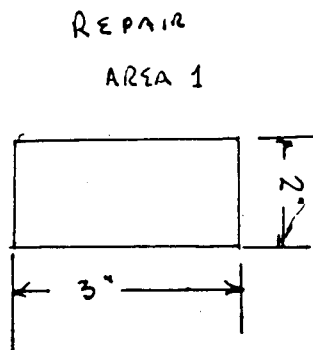
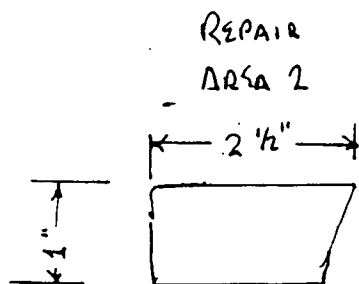
PROJECT H.B. ROBINSON JOB NO. 42-AGHS-1 UNIT ☐ 1 ☒ 2 ☐ 3 ☐ 4

SYSTEM <u>REACTOR</u>	COMPONENT NAME: <u>STUD</u>	COMPONENT ID NO.: <u>41</u>
CLASS: <u>II</u>	LOCATION/ISOMETRIC: <u>N/A</u>	
PROCEDURE: <u>NDZP 611</u>	REV: <u>8</u>	METHOD VT-1 <input checked="" type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/> REMOTE <input type="checkbox"/>	VIDEO RECORDING NO: <u>N/A</u>
EQUIPMENT USED: <u>FLASHLIGHT, 6" SCALE, 18% NEUTRAL GREY CARD</u>		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
STUD <sup>A</sup> 41		X		X		X	N/A		N/A		N/A		✓ <u>20</u>

COMMENTS/NOTES: INSPECTED REPAIRED AREAS OF THE LOWER THREAD AREA OF THE STUD.

1 EXAMINER: <u>John H. Crutcher</u>	LEVEL: <u>II</u>	DATE: <u>5/7/92</u>
2 EXAMINER:	LEVEL:	DATE:
SATISFACTORY <input type="checkbox"/>		UNSATISFACTORY <input type="checkbox"/>
NO REPORTABLE INDICATIONS <input type="checkbox"/>		REPORTABLE INDICATIONS <input type="checkbox"/>
REVIEWED BY:	LEVEL:	DATE:
REVIEWER COMMENTS/NOTES:		



# CP&L

Carolina Power & Light Company

REPORT NO. \_\_\_\_\_

## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PAGE 1 OF 2

PROJECT HBR

JOB NO. N/A <sup>4-23-92</sup> 92-AERU1 UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM: <u>STEAM GENERATOR</u>	COMPONENT NAME: <u>STEAM GENERATOR</u>	COMPONENT ID NO.: <u>MANWAY STUDS - HOT SIDE -</u>
CLASS: <u>II</u>	LOCATION/ISOMETRIC: <u>N/A</u>	
PROCEDURE: <u>NDEP. 616</u>	REV: <u>0</u>	METHOD VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO RECORDING NO <u>N/A</u>
EQUIPMENT USED: <u>1870 NEUTRAL GRAY CARD &amp; FLASHLIGHT</u>		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW	
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	SAT.	UNSAT.
A-153 - H1		X		X		X		X		X		X	X	
A-154 - H2		X		X		X		X		X		X	X	
A-157 - H3		X		X		X		X		X		X	X	
A-143 - H4		X		X		X		X		X		X	X	
A-142 - H5		X		X		X		X		X		X	X	
A-141 - H6		X		X		X		X		X		X	X	
A-139 - H7		X		X		X		X		X		X	X	
A-136 - H8		X		X		X		X		X		X	X	
A-135 - H9		X		X		X		X		X		X	X	
A-134 - H10		X		X		X		X		X		X	X	
A-133 - H11		X		X		X		X		X		X	X	
A-132 - H12		X		X		X		X		X		X	X	

COMMENTS/NOTES:

1 EXAMINER: <u>Joshua W. Kremer</u>	LEVEL: <u>II EXAMINER</u>	DATE: <u>4-27-92</u>
2 EXAMINER: _____	LEVEL: _____	DATE: _____
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY: _____	LEVEL: _____	DATE: _____
REVIEWER COMMENTS/NOTES:		



REPORT NO. \_\_\_\_\_

PAGE 2 OF 2

**VISUAL EXAMINATION  
DATA SHEET FOR  
NUTS, BOLTS, STUDS & WASHERS**

**PROJECT** *HBR*

JOB NO. N/A <sup>On</sup> 4/27/92 92-AERU1 UNIT ☐ 2 ☒ 3 ☐ 4 ☐

SYSTEM STEAM GENERATOR		COMPONENT "A" NAME: STEAM GENERATOR		COMPONENT ID NO.: MANWAY STUDS - HOT SIDE -	
CLASS: II		LOCATION/ISOMETRIC: N/A			
PROCEDURE: NDEP. 616		REV: 0		METHOD VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>	
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		DIRECT <input checked="" type="checkbox"/>		REMOTE <input type="checkbox"/> VIDEO RECORDING NO: N/A	
EQUIPMENT USED: 1B70 NEUTRAL GRAY CARD & FLASHLIGHT					

[illegible]

**\* COMMENTS/NOTES:**

1	EXAMINER: <i>Jochim W. Kremer</i>	LEVEL: <i>II EXAMINER</i>	DATE: <i>4-27-92</i>
2	EXAMINER:	LEVEL:	DATE:
SATISFACTORY <input type="checkbox"/>		UNSATISFACTORY <input type="checkbox"/>	
NO REPORTABLE INDICATIONS <input type="checkbox"/>		REPORTABLE INDICATIONS <input type="checkbox"/>	
REVIEWED BY:		LEVEL:	DATE:
REVIEWER COMMENTS/NOTES:			



# CP&L

Carolina Power & Light Company

JOB # 92-AERU1

REPORT NO. \_\_\_\_\_

PAGE 1 OF 2

## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

JOB NO. 92-AERU1 UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM <u>GENERATOR A HT</u>	COMPONENT NAME: <u>STEADY GENERATOR</u>	COMPONENT ID NO.: <u>MANWAY NUTS</u>
CLASS: <u>II</u>	LOCATION/ISOMETRIC: <u>N/A</u>	
PROCEDURE: <u>NDEP-616</u>	REV: <u>0</u>	METHOD VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO RECORDING NO: <u>N/A</u>
EQUIPMENT USED <u>1870 NEUTRAL GRAY CARD &amp; FLASHLIGHT</u>		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT	
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO		
H-1		X		X		X		X		X		X	X	
H-2		X		X		X		X		X		X	X	
H-3		X		X		X		X		X		X	X	
H-4		X		X		X		X		X		X	X	
H-5		X		X		X		X		X		X	X	
H-6		X		X		X		X		X		X	X	
H-7		X		X		X		X		X		X	X	
H-8		X		X		X		X		X		X	X	
H-9		X		X		X		X		X		X	X	
H-10		X		X		X		X		X		X	X	
H-11		X		X		X		X		X		X	X	
H-12		X		X		X		X		X		X	X	

COMMENTS/NOTES:

1 EXAMINER: <u>Joaquin W. Kremer</u>	LEVEL: <u>IE Examiner</u>	DATE: <u>4/27/92</u>
2 EXAMINER: _____	LEVEL: _____	DATE: _____
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY: _____	LEVEL: _____	DATE: _____
REVIEWER COMMENTS/NOTES:		

**Carolina Power & Light Company**

REPORT NO. \_\_\_\_\_

PAGE 2 OF 2

**VISUAL EXAMINATION  
DATA SHEET FOR  
NUTS, BOLTS, STUDS & WASHERS**

PROJECT HBR

**JOB NO.**

4.29-92 ~~ATA~~ 92-AER41

UNIT ☐ 1 ☒ 2 ☐ 3 ☐ 4

## SYSTEM

## STEAM GENERATOR

**COMPONENT "A"**

NAME: STEAM GENERATOR

**COMPONENT**

MAN WAY NUTS - HOT -

**CLASS:**

II

**LOCATION/ISOMETRIC:**

N/A

PROCEDURE: NDEP 616

REV: 0

## METHOD

VT-10

VT-20

VT-3 ☒

VT-4 ☐

REPLICATION: YES ☐

**NO** ☒

**DIRECT** ☒

**REMOTE** 

VIDEO RECORDING NO

EQUIPMENT USED: 1870 NEUTRAL GRAY CARD & FLASHLIGHT

**\* COMMENTS/NOTES:**

1 EXAMINER: *Trachina L. Freeman*

LEVEL: TH Examiner

DATE: 4/27/82

2 EXAMINER:

**LEVEL**

DATE \_\_\_\_\_

**SATISFACTORY** ☐

UNSATISFACTORY ☐

NO REPORTABLE INDICATIONS ☐

REPORTABLE INDICATIONS ☐

REVIEWED BY:

**LEVEL:**

**DATE:**

REVIEWER COMMENTS/NOTES:

# CP&L

Carolina Power & Light Company

REPORT NO. \_\_\_\_\_

## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PAGE 2 OF 3

PROJECT HBR

JOB NO. \_\_\_\_\_

UNIT ☐ 2 ☒ 3 ☐ 4 ☐

SYSTEM  
STEAM GENERATOR

COMPONENT "A"  
NAME: STEAM GENERATOR

COMPONENT  
ID NO.: MANWAY STUDS - COLD LEG -

CLASS: II

LOCATION/ISOMETRIC: N/A

PROCEDURE: NDEP-616

REV: 0

METHOD

VT-1 ☐

VT-2 ☐

VT-3 ☒

VT-4 ☐

REPLICATION: YES ☐

NO ☒

DIRECT ☒

REMOTE ☐

VIDEO RECORDING NO  
N/A

EQUIPMENT USED: 1870 NEUTRAL GRAY CORD ; FLASHLIGHT

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
A-164-C1		X		X		X	N/A			X		X	N/A
A-165-C2		X		X		X	N/A			X		X	N/A
A-156-C3		X		X		X	N/A			X		X	N/A
A-150-C4		X		X		X	N/A			X		X	N/A
A-151-C5		X		X		X	N/A			X		X	N/A
A-158-C6		X	X			X	N/A			X		X	N/A
A-166-C7		X	*			X	N/A			X		X	N/A
A-160-C8		X		X		X	N/A			X		X	N/A
A-163-C9		X		X		X	N/A			X		X	N/A
A-159-C10		X		X		X	N/A			X		X	N/A
A-161-C11		X		X		X	N/A			X		X	N/A
A-162-C12		X		X		X	N/A			X		X	N/A

COMMENTS/NOTES:

\* SEE ATTACHED SKETCH

*Joachim W. Bremer* II Examiner 5/1/92

1 EXAMINER: *Joachim W. Bremer* LEVEL: II Examiner DATE: 4-27-92

2 EXAMINER: \_\_\_\_\_ LEVEL: \_\_\_\_\_ DATE: \_\_\_\_\_

SATISFACTORY ☐ UNSATISFACTORY ☐

NO REPORTABLE INDICATIONS ☐ REPORTABLE INDICATIONS ☐

REVIEWED BY: \_\_\_\_\_ LEVEL: \_\_\_\_\_ DATE: \_\_\_\_\_

REVIEWER COMMENTS/NOTES: \_\_\_\_\_

**Carolina Power & Light Company**

REPORT NO. \_\_\_\_\_

PAGE 2 OF 3

# VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

**JOB NO.**

UNIT ☐ 1 ☒ 2 ☐ 3 ☐ 4

SYSTEM STEAM GENERATOR	COMPONENT "A" NAME: STEAM GENERATOR	COMPONENT ID NO.: MAN WAY STUDS - COLD LEG -
---------------------------	--	---

CLASS: II LOCATION/ISOMETRIC: N/A

PROCEDURE: NDEP-616	REV: 0	METHOD	VT-1 <input type="checkbox"/>	VT-2 <input type="checkbox"/>	VT-3 <input checked="" type="checkbox"/>	VT-4 <input type="checkbox"/>
---------------------	--------	--------	-------------------------------	-------------------------------	--	-------------------------------

REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/>	VIDEO RECORDING NO.
--	--	---------------------------------	---------------------

EQUIPMENT USED 1870 NEUTRAL GRAY CARD; FLASHLIGHT

[illegible]**\* COMMENTS/NOTES:**

EXAMINER: *Joachim W. Bremer* LEVEL: *II Examiner* DATE: *4-23-82*

EXAMINER:	LEVEL	DATE

**SATISFACTORY** ☐

UNSATISFACTORY ☐

NO REPORTABLE INDICATIONS ☐

REPORTABLE INDICATIONS ☐

REVIEWED BY: \_\_\_\_\_

**LEVEL:**

**DATE:**

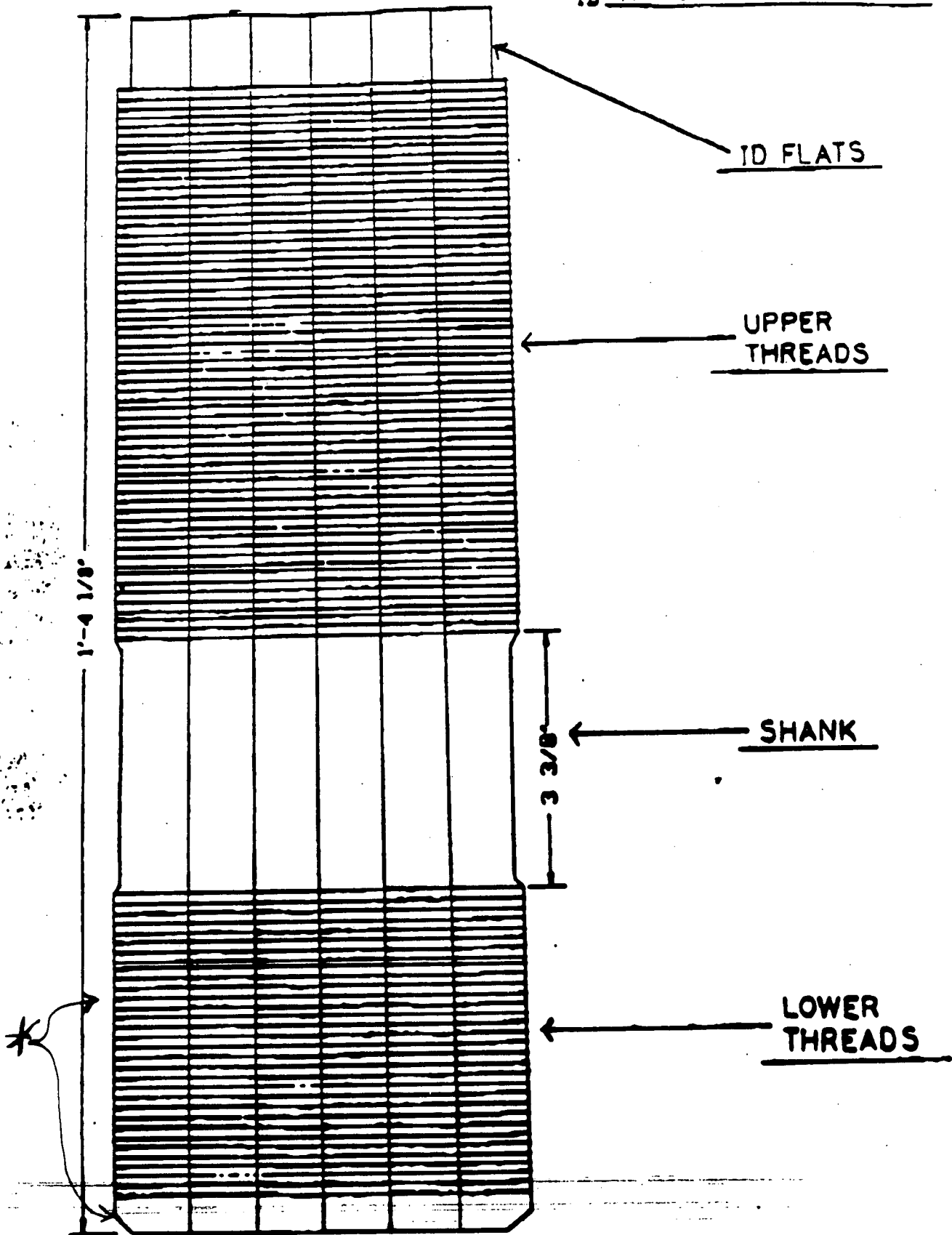
REVIEWER COMMENTS/NOTES:

STEAM GENERATOR

PAGE 3 OF 3

MANWAY STUDS

ID A 166 - C 7



360° PLANE VIEW



Carolina Power & Light Company

REPORT NO. \_\_\_\_\_

VISUAL EXAMINATION  
DATA SHEET FOR  
NUTS, BOLTS, STUDS & WASHERS

PAGE 1 OF 2

PROJECT *HBR*

JOB NO. *N/A*

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM <i>STEAM GENERATOR</i>	COMPONENT "A" NAME: <i>STEAM GENERATOR</i>	COMPONENT ID NO.: <i>HANWAY NUTS - COLD SIDE -</i>
CLASS: <i>II</i>	LOCATION/ISOMETRIC: <i>N/A</i>	
PROCEDURE: <i>NDEP. 616</i>	REV: <i>0</i>	METHOD VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO RECORDING NO <i>N/A</i>
EQUIPMENT USED <i>18% NEUTRAL GRAY CARD &amp; FLASHLIGHT</i>		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT	
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO		
<i>C-1</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-2</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-3</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-4</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-5</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-6</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-7</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-8</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-9</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-10</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-11</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	
<i>C-12</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>		<i>X</i>	<i>X</i>	

COMMENTS/NOTES:

1 EXAMINER: <i>Joaquin L. Bremer</i>	LEVEL: <i>JP Examiner</i>	DATE: <i>5/1/92</i>
2 EXAMINER: <i>Joaquin L. Bremer</i>	LEVEL: <i>JP Examiner</i>	DATE: <i>4/27/92</i>
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY:	LEVEL:	DATE:
REVIEWER COMMENTS/NOTES:		

**Carolina Power & Light Company**

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**PROJECT** *HBR*

JOB NO. N/A

UNIT ☐ 1 ☒ 2 ☐ 3 ☐ 4

## SYSTEM

**COMPONENT "A"**

### COMPONENT

## STEAM GENERATOR

NAME: STEAM GENERATOR

MANWAY NUTS - Cold Side -

CLASS: II

LOCATION/ISOMETRIC: N/A

PROCEDURE: NDEP. 616

REV: *C*

## METHOD

VT-10

VT-2 ☐VT-3 ☒VT-4 ☐

REPLICATION: YES ☐

**NO** 

**DIRECT** ☒

REMOTE ☐

VIDEO RECORDING NO. N/A

EQUIPMENT USED 1870 NEUTRAL GRAY CARD & FLASHLIGHT

**RE COMMENTS/NOTES:**

1	EXAMINER
---	----------

**LEVEL:**

DATE: \_\_\_\_\_

**2. EXAMINER:**

**LEVEL**

DATE \_\_\_\_\_

**SATISFACTORY** ☐

**UNSATISFACTORY**

NO REPORTABLE INDICATIONS

REPORTABLE INDICATIONS ☐

REVIEWED BY:

**LEVEL 1**

**DATE:**

REVIEWER COMMENTS/NOTES:

# CP&L

Carolina Power & Light Company

REPORT NO. \_\_\_\_\_

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## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PROJECT HRR

JOB NO. 92-AESY 1

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM: <u>STEAM GENERATOR</u>	COMPONENT NAME: <u>STM GEN "B" HOTLEG</u>	COMPONENT ID NO.: <u>MANWAY STUDS</u>
CLASS: <u>II</u>	LOCATION/ISOMETRIC: <u>N/A</u>	
PROCEDURE: <u>616</u>	REV: <u>0</u>	METHOD VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO RECORDING NO: <u>N/A</u>
EQUIPMENT USED: <u>FLASHLIGHT, 18% NEUTRAL GREY CARD, 6" SCALE</u>		

ITEM NUMBER	1. CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
H1, B221227		X		X		X	N/A		N/A		N/A		N/A
H2, B203		X		X		X	N/A		N/A		N/A		N/A
H3, B202		X	X			X	N/A		N/A		N/A		N/A
H4, B204		X	X			X	N/A		N/A		N/A		N/A
H5, B205		X	X			X	N/A		N/A		N/A		N/A
H6, B206		X	X			X	N/A		N/A		N/A		N/A
H7, B226		X	X			X	N/A		N/A		N/A		N/A
H8, B216		X	X			X	N/A		N/A		N/A		N/A
H9, B217		X	X			X	N/A		N/A		N/A		N/A
H10, B210		X	X			X	N/A		N/A		N/A		N/A
H11, B207		X	X			X	N/A		N/A		N/A		N/A
H12, B215		X	X			X	N/A		N/A		N/A		N/A

COMMENTS/NOTES:

1 EXAMINER: <u>Goh Crabtree</u>	LEVEL: <u>II</u>	DATE: <u>4/27/92</u>
2 EXAMINER:	LEVEL:	DATE:
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY:	LEVEL:	DATE:
REVIEWER COMMENTS/NOTES:		



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## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

JOB NO. 92-AESY-1

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM <u>STEAM GENERATOR</u>	COMPONENT NAME: <u>STM GEN "B" HOT LEG</u>	COMPONENT ID NO.: <u>MANWAY STUDS</u>
CLASS: <u>II</u>	LOCATION/ISOMETRIC: <u>N/A</u>	
PROCEDURE: <u>G16</u>	REV: <u>P</u>	METHOD VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO RECORDING NO <u>N/A</u>
EQUIPMENT USED <u>FLASHLIGHT, 18% NEUTRAL GREY CARD, 6" SCALE</u>		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
H13, B213		X	X			X	N/A		N/A		N/A		N/A
H14, B212		X	X			X	N/A		N/A		N/A		N/A
H15, B211		X	X			X	N/A		N/A		N/A		N/A
H16, B204		X	X			X	N/A		N/A		N/A		N/A

\*COMMENTS/NOTES:

1 EXAMINER: <u>John Cradette</u>	LEVEL: <u>II</u>	DATE: <u>4/27/92</u>
2 EXAMINER:	LEVEL:	DATE:
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY:	LEVEL:	DATE:
REVIEWER COMMENTS/NOTES:		

# CP&L

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VISUAL EXAMINATION  
DATA SHEET FOR  
NUTS, BOLTS, STUDS & WASHERS

PAGE 1 OF 2

PROJECT HBR

JOB NO. N/A 92-AESX1 UNIT ☐ 2 ☒ 3 ☐ 4 ☐

SYSTEM: STENT GEN. "B", HOT		COMPONENT NAME: STENT GENERATOR	COMPONENT ID NO.: MANWAY NUTS
CLASS: II	LOCATION/ISOMETRIC: N/A		
PROCEDURE: NDEP-616	REV: 0	METHOD	VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/> REMOTE <input type="checkbox"/>		VIDEO RECORDING NO. N/A
EQUIPMENT USED: FLASHLIGHT, 189° NEUTRAL GRAY CARD			

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW	
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	SAT.	UNSAT.
H1		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H2		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H3		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H4		X	X			X	N/A	N/A	N/A	N/A	N/A	N/A	*	
H5		X	X			X	N/A	N/A	N/A	N/A	N/A	N/A	*	
H6		X	X			X	N/A	N/A	N/A	N/A	N/A	N/A	*	
H7		X	X			X	N/A	N/A	N/A	N/A	N/A	N/A	*	
H8		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H9		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H10		X	X			X	N/A	N/A	N/A	N/A	N/A	N/A	*	
H11		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H12		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

COMMENTS/NOTES:

\* H4, H7, H10 - SLIGHT CORROSION ON TOP AND BOTTOM THREADS.

\* H5, H6 - SLIGHT CORROSION ON TOP THREAD.

1 EXAMINER: <i>[Signature]</i>	LEVEL: II EXAMINER	DATE: 4/28/92
2 EXAMINER: <i>Jonathan L. Kremer</i>	LEVEL: I Examiner	DATE: 4/28/92
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY:	LEVEL:	DATE:
REVIEWER COMMENTS/NOTES:		

**Carolina Power & Light Company**

REPORT NO. \_\_\_\_\_

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92 VISUAL EXAMINATION  
DATA SHEET FOR  
NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

JOB NO. ~~NA~~ 92-AESX1

UNIT ☐ 1 ☒ 2 ☐ 3 ☐ 4

SYSTEM:  
STEAM GEN. "B" HOT

COMPONENT  
NAME: STEADY GENERATOR

COMPONENT  
ID NO.: MANWAY NUTS

CLASS: II

LOCATION/ISOMETRIC: N/A

PROCEDURE: NDEP-646

REV: C

## METHOD

VT-1 ☐

VT-20

VT-3A

VT-4 ☐

## REPLICATION

NO 7

DIRECT: ☒

REMOTE ☐

VIDEO RECORDING NO:

EQUIPMENT USED: FLASH LIGHT; 18% NEUTRAL GRAY CARD

[illegible]

**COMMENTS/NOTES:**

NO COMMENTS/NOTES.

EXAMINER: *[Signature]*

LEVEL: II - EXAMINER

DATE: 4/28/92

2 EXAMINER: Lonnie V. Kram

LEVEL II Examiner

DATE 4/28/92

**SATISFACTORY** ☐

UNSATISFACTORY ☐

NO REPORTABLE INDICATIONS

REPORTABLE INDICATIONS ☐

REVIEWED: 11/2/78

## LEVEL 1

DATE:

REVIEWER COMMENTS/NOTES:

# CP&L

Carolina Power & Light Company

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## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

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PROJECT HBR

JOB NO. 92-AESY1

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM STEAM GENERATOR COMPONENT STNGEN "B" COMPONENT MANWAY STUDS  
NAME: COLD LEG ID NO.:

CLASS: II LOCATION/ISOMETRIC: N/A

PROCEDURE: NDEP 611a REV: 0 METHOD VT-1 ☐ VT-2 ☐ VT-3 ☒ VT-4 ☐

REPLICATION: YES ☐ NO ☒ DIRECT ☒ REMOTE ☐ VIDEO RECORDING NO N/A

EQUIPMENT USED FLASHLIGHT, 18% NEUTRAL GREY CARD, 6" SCALE

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
C1, B232		X	X			X	N/A	A	N/A	A	N/A	A	N/A
C2, B231		X	X			X	N/A	A	N/A	A	N/A	A	N/A
C3, B229		X	X			X	N/A	A	N/A	A	N/A	A	N/A
C4, B237		X	X			X	N/A	A	N/A	A	N/A	A	N/A
C5, B230		X	X		X		N/A	A	N/A	A	N/A	A	N/A
C6, B228		X	X			X	N/A	A	N/A	A	N/A	A	N/A
C7, B277		X	X			X	N/A	A	N/A	A	N/A	A	N/A
C8, B224 + 234		X	X		X		N/A	A	N/A	A	N/A	A	N/A
C9, B238		X	X			X	N/A	A	N/A	A	N/A	A	N/A
C10, B225		X	X		X		N/A	A	N/A	A	N/A	A	N/A
C11, B224		X	X			X	N/A	A	N/A	A	N/A	A	N/A
C12, B223		X	X			X	N/A	A	N/A	A	N/A	A	N/A

COMMENTS/NOTES: C5, B230 1/8" LONG INDICATION, AXIAL IN THREAD AREA  
C8, B224 + C10, B 1/16" LONG INDICATION, AXIAL IN THREAD AREA

1 EXAMINER John Crutcher LEVEL: II DATE: 4/27/92

2 EXAMINER \_\_\_\_\_ LEVEL \_\_\_\_\_ DATE \_\_\_\_\_

SATISFACTORY ☐

UNSATISFACTORY ☐

NO REPORTABLE INDICATIONS ☐

REPORTABLE INDICATIONS ☐

REVIEWED BY: \_\_\_\_\_ LEVEL: \_\_\_\_\_ DATE: \_\_\_\_\_

REVIEWER COMMENTS/NOTES: \_\_\_\_\_

# CP&L

Carolina Power & Light Company

REPORT NO. \_\_\_\_\_

## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

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PROJECT HRR

JOB NO. 92-AESY1

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM  
STEAM GENERATOR

COMPONENT STAGEN 3"  
NAME: COLD LEG

COMPONENT  
ID NO.: MANWAY STUDS

CLASS: II

LOCATION/ISOMETRIC: N/A

PROCEDURE: ND EP 616

REV: 0

METHOD

VT-1 ☐

VT-2 ☐

VT-3 ☒

VT-4 ☐

REPLICATION: YES ☐

NO ☒

DIRECT ☒

REMOTE ☐

VIDEO RECORDING NO N/A

EQUIPMENT USED FLASHLIGHT, 18% NEUTRAL GREY CARD, 6" SCALE

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT	
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO		
C13, B222		X	X			X	N/A		N/A		N/A		N/A	
C14, B221		X	X			X	N/A		N/A		N/A		N/A	
C15, B219		X	X			X	N/A		N/A		N/A		N/A	
C16, B218		X	X			X	N/A		N/A		N/A		N/A	

COMMENTS/NOTES:

1 EXAMINER Gahr Cribben

LEVEL: II

DATE: 4/27/92

2 EXAMINER

LEVEL

DATE

SATISFACTORY ☐

UNSATISFACTORY ☐

NO REPORTABLE INDICATIONS ☐

REPORTABLE INDICATIONS ☐

REVIEWED BY:

LEVEL

DATE

REVIEWER COMMENTS/NOTES:

# CP&L

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92-AESY1

REPORT NO. \_\_\_\_\_

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## VISUAL EXAMINATION DATA SHEET FOR

4-28-92  
NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

JOB NO. N/A 92-AESY1

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM: STEAM GEN. "B", COLD	COMPONENT NAME: STEAM GENERATOR	COMPONENT ID NO.: MANWAY NUTS
CLASS: IF	LOCATION/ISOMETRIC: N/A	
PROCEDURE: NDEP-616 REV: 0	METHOD	VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO RECORDING NO: N/A
EQUIPMENT USED: FLASHLIGHT, 18% NEUTRAL GRAY CARD		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT	
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO		
C1		X	X			X	N/A		N/A		N/A		*	
C2		X	X			X	N/A		N/A		N/A		*	
C3		X	X			X	N/A		N/A		N/A		*	
C4		X		X		X	N/A		N/A		N/A		N/A	
C5		X		X		X	N/A		N/A		N/A		N/A	
C6		X		X		X	N/A		N/A		N/A		N/A	
C7		X		X		X	N/A		N/A		N/A		N/A	
C8		X		X		X	N/A		N/A		N/A		N/A	
C9		X		X		X	N/A		N/A		N/A		N/A	
C10		X	X			X	N/A		N/A		N/A		*	
C11		X		X		X	N/A		N/A		N/A		N/A	
C12		X		X		X	N/A		N/A		N/A		N/A	

### \* COMMENTS/NOTES:

\* C1 - SLIGHT CORROSION ON TOP AND BOTTOM THREADS.

\* C2 - SLIGHT CORROSION ON BOTTOM THREAD.

\* C3 - SLIGHT CORROSION ON THREADS.

\* C10 - SLIGHT CORROSION ON TOP THREAD AND VERY LIGHT CORROSION ON OTHER THREADS.

1 EXAMINER: <i>William J. ...</i>	LEVEL: II-EXAMINER	DATE: 4/28/92
2 EXAMINER: <i>Joseph W. Bremer</i>	LEVEL: II-EXAMINER	DATE: 4/28/92
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY:	LEVEL:	DATE:
REVIEWER COMMENTS/NOTES:		

**Carolina Power & Light Company**

REPORT NO. \_\_\_\_\_

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4-28-82 NUTS, BOLTS, STUDS & WASHERS

PROJECT	HBK
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JOB NO. ~~N/A 92-AESX1~~

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM:  
STEAM GEN. "B", COLD

COMPONENT  
NAME: STEAM GENERATOR

COMPONENT  
ID NO. 1 MANWAY NUTS

CLASS: II

LOCATION/ISOMETRIC: N/A

PROCEDURE: NDEP-61V

REV: 0

## METHOD

VT-10

VT-2 ☐VT-3 ☒VT-4 ☐

REPLICATION: YES ☐ NO ☒

**DIRECT** ☒

REMOTE ☐

VIDEO RECORDING NO:

EQUIPMENT USED FLASHLIGHT, 18% NEUTRAL GRAY CARD

**\* COMMENTS/NOTES:**

\* C15 - SLIGHT CORROSION ON BOTTOM THREAD.

EXAMINER: *[Signature]*

LEVEL: II - EXOTIC

DATE: 4/28/92

2 EXAMINER: Lockman & Kremer

LEVEL *II* Examiner

DATE 4/28/92

**SATISFACTORY** ☐

UNSATISFACTORY ☐

~~NO REPORTABLE INDICATIONS~~ ☐

REPORTABLE INDICATIONS ☐

REVIEWED BY

**LEVEL:**

DATE:

REVIEWER COMMENTS/NOTES

# CP&L

Carolina Power & Light Company

REPORT NO. \_\_\_\_\_

## VISUAL EXAMINATION DATA SHEET FOR

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4-28-92 NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

JOB NO. 92-AETC1 UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM <u>STEAM GEN. "C", HOT</u>	COMPONENT NAME: <u>STEAM GENERATOR</u>	COMPONENT ID NO.: <u>MANWAY STUDS</u>
CLASS: <u>II</u>	LOCATION/ISOMETRIC: <u>N/A</u>	
PROCEDURE: <u>NDEP-636</u>	REV: <u>0</u>	METHOD VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO RECORDING NO: <u>N/A</u>
EQUIPMENT USED: <u>FLASHLIGHT, 18% NEUTRAL GRAY CARD</u>		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
H1, H261		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H2, H275		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H3, H263		X		X	X		N/A	N/A	N/A	N/A	N/A	N/A	*
H4, H249		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H5, H257		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H6, H258		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H7, H259		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H8, H260		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H9, H253		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H10, H239		X		X	X		N/A	N/A	N/A	N/A	N/A	N/A	*
H11, H240		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H12, H241		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A

### \* COMMENTS/NOTES:

\* H3, H263 AND H10, H239 — I.D. END, 15<sup>th</sup> THREAD SCORED APPROXIMATELY 2/3 AROUND THREAD.

1 EXAMINER: <u>William</u>	LEVEL: <u>II EXAMINER</u>	DATE: <u>4/28/92</u>
2 EXAMINER: <u>Kramer</u>	LEVEL: <u>II EXAMINER</u>	DATE: <u>4/28/92</u>
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY: _____	LEVEL: _____	DATE: _____
REVIEWER COMMENTS/NOTES: _____		



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PROJECT ABR

JOB NO. 92-AETC 1

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM: <u>STEAM GEN. "C" AOT</u>	COMPONENT NAME: <u>STEAM GENERATOR</u>	COMPONENT ID NO.: <u>MANWAY STUDS</u>
CLASS: <u>II</u>	LOCATION/ISOMETRIC: <u>N/A</u>	
PROCEDURE: <u>NDEP-636 REV'D</u>	METHOD	VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO RECORDING NO: <u>N/A</u>
EQUIPMENT USED: <u>FLASHLIGHT, 18% NEUTRAL GRAY CARD</u>		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
H13, H242		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H14, H243		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H15, H244		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H16, H245		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A

COMMENTS/NOTES:

NO COMMENTS/NOTES.

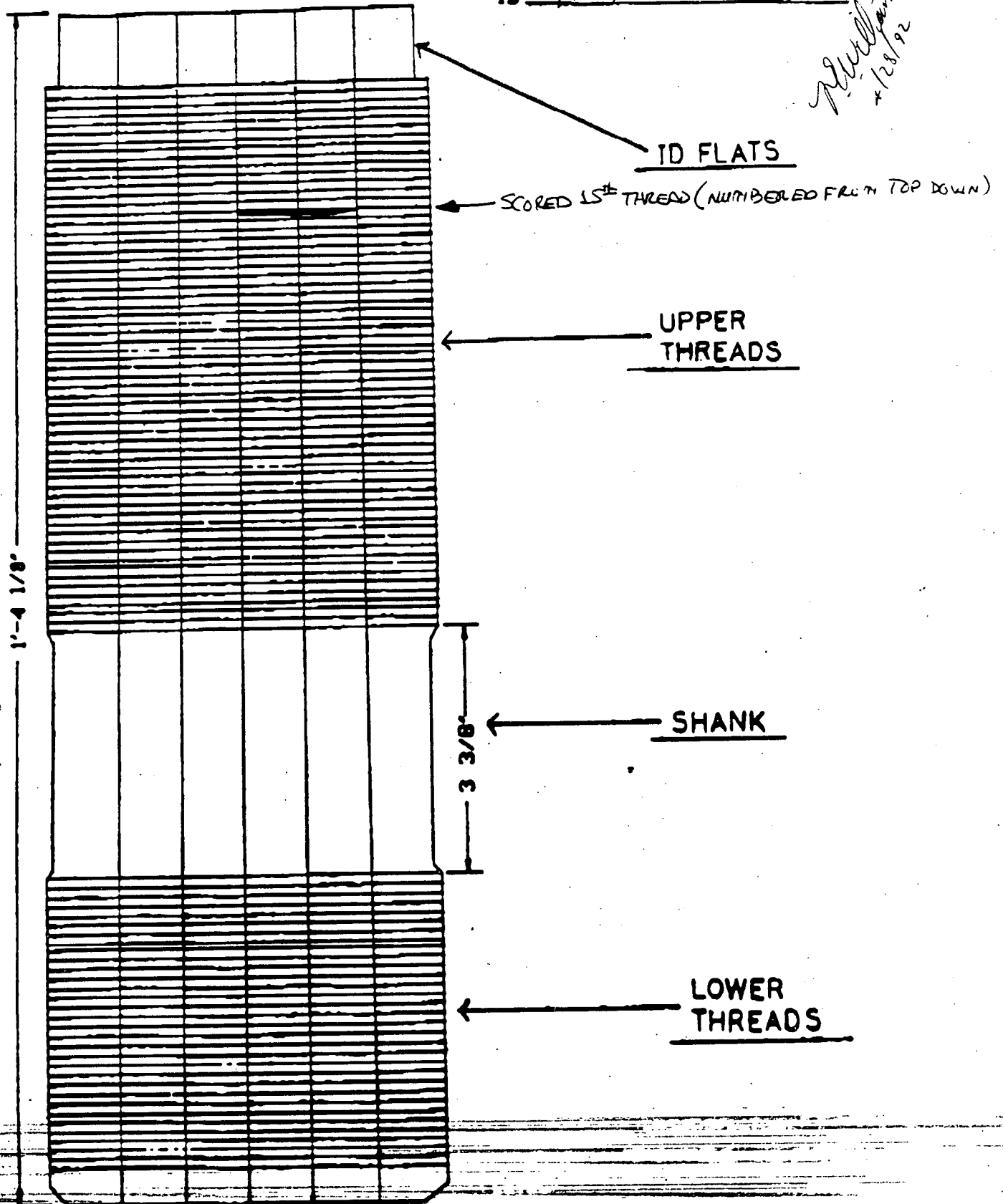
1 EXAMINER: <u>William J. Kramer</u>	LEVEL: <u>II EXAMINER</u>	DATE: <u>4/28/92</u>
2 EXAMINER: <u>Kramer</u>	LEVEL: <u>II EXAMINER</u>	DATE: <u>4/28/92</u>
SATISFACTORY <input checked="" type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input checked="" type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY: _____	LEVEL: _____	DATE: _____
REVIEWER COMMENTS/NOTES:		

STEAM GENERATOR  
MANWAY STUDS

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ID H3, H263

*plw/imp  
x/28/92*



360° PLANE VIEW

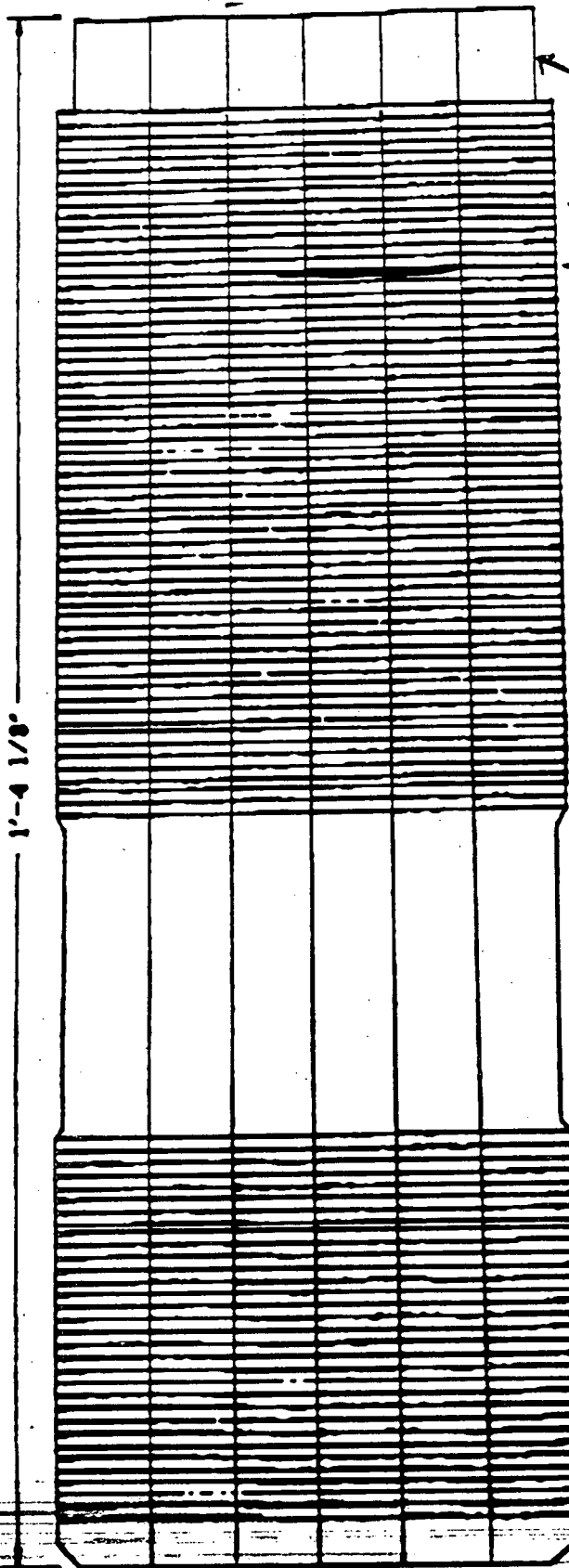
STEAM GENERATOR

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MANWAY STUDS

ID H10, H237

*Handwritten:*  
4/20/92



ID FLATS

SCORED 15<sup>th</sup> THREADS (NUMBERED FROM TOP DOWN)

UPPER  
THREADS

SHANK

LOWER  
THREADS

360° PLANE VIEW

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## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

JOB NO. N/A 92-AETC1 UNIT ☐ 2 ☒ 3 ☐ 4 ☐

SYSTEM: <u>STEAM GEN. 'C', HOT</u>	COMPONENT NAME: <u>STEAM GENERATOR</u>	COMPONENT ID NO.: <u>MANWAY NUTS</u>
CLASS: <u>II</u>	LOCATION/ISOMETRIC: <u>N/A</u>	
PROCEDURE: <u>NDEP-616</u>	REV: <u>0</u>	METHOD VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO <u>N/A</u> RECORDING NO: _____
EQUIPMENT USED: <u>FLASHLIGHT, 18% NEUTRAL GRAY CARD</u>		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
H1		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H2		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H3		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H4		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H5		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H6		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H7		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H8		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H9		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H10		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H11		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H12		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A

### \*COMMENTS/NOTES:

NO COMMENTS/NOTES.

1 EXAMINER: <u>Williams, J.</u>	LEVEL: <u>II - EXAMINER</u>	DATE: <u>4/28/92</u>
2 EXAMINER: <u>Kramer</u>	LEVEL: <u>II - EXAMINER</u>	DATE: <u>4/28/92</u>
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY: _____	LEVEL: _____	DATE: _____
REVIEWER COMMENTS/NOTES: _____		

# CP&L

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## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

JOB NO. N/A 92-RETCI

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM STEAM GEN. "C", HOT

COMPONENT NAME: STEAM GENERATOR

COMPONENT ID NO.: MANWAY NUTS

CLASS: II

LOCATION/ISOMETRIC: N/A

PROCEDURE: NDEP 616

REV: 0

METHOD

VT-1 ☐

VT-2 ☐

VT-3 ☒

VT-4 ☐

REPLICATION: YES ☐

NO ☒

DIRECT: ☒

REMOTE ☐

VIDEO RECORDING NO: N/A

EQUIPMENT USED: FLASHLIGHT, 18% NEUTRAL GRAY CARD

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT.
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
H13		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H14		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H15		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H16		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A

COMMENTS/NOTES:

NO COMMENTS/NOTES.

1 EXAMINER: [Signature]

LEVEL: II EXAMINER

DATE: 4/28/92

2 EXAMINER: [Signature]

LEVEL: II EXAMINER

DATE: 4/28/92

SATISFACTORY ☐

UNSATISFACTORY ☐

NO REPORTABLE INDICATIONS ☐

REPORTABLE INDICATIONS ☐

REVIEWED BY: \_\_\_\_\_

LEVEL: \_\_\_\_\_

DATE: \_\_\_\_\_

REVIEWER COMMENTS/NOTES:

# CP&L

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## VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

JOB NO. 4697

92-AETD-1

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM

STEAM GEN. "C", COLD

COMPONENT

NAME: STEAM GENERATOR

COMPONENT

ID NO.: MAN WAY STUDS

CLASS: II

LOCATION/ISOMETRIC: N/A

PROCEDURE: NDEP-616

REV: 0

METHOD

VT-1 ☐

VT-2 ☐

VT-3 ☒

VT-4 ☐

REPLICATION: YES ☐

NO ☒

DIRECT ☒

REMOTE ☐

VIDEO RECORDING NO: A

EQUIPMENT USED: FLASHLIGHT, 18% NEUTRAL GRAY CARD

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT	
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO		
C1, C270		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C2, C265		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C3, C266		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C4, C267		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C5, C271		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C6, C273		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C7, C269		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C8, C268		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C9, C274		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C10, C248		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C11, C276		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A
C12, C247		X		X		X	N/A	A	N/A	A	N/A	A	N/A	A

COMMENTS/NOTES:

NO COMMENTS / NOTES.

1 EXAMINER: W. J. Williams, Jr.

LEVEL: II EXAMINER

DATE: 4/28/92

2 EXAMINER: J. Kremer

LEVEL: II EXAMINER

DATE: 4/28/92

SATISFACTORY ☐

UNSATISFACTORY ☐

NO REPORTABLE INDICATIONS ☐

REPORTABLE INDICATIONS ☐

REVIEWED BY:

LEVEL:

DATE:

REVIEWER COMMENTS/NOTES:



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# VISUAL EXAMINATION DATA SHEET FOR NUTS, BOLTS, STUDS & WASHERS

JOB NO. N/A 92-AETD1 UNIT ☐ 2 ☒ 3 ☐ 4 ☐

[illegible]

NO COMMENTS/NOTES.

1 EXAMINER: <i>C. J. Miller</i>	LEVEL: <i>II EXAMINER</i>	DATE: <i>4/28/92</i>
2 EXAMINER: <i>J. Bremer</i>	LEVEL: <i>II EXAMINER</i>	DATE: <i>4/28/92</i>
SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY: _____	LEVEL: _____	DATE: _____
REVIEWER COMMENTS/NOTES: _____		



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DATA SHEET FOR

4/28/92  
NUTS, BOLTS, STUDS & WASHERS

PROJECT HBR

JOB NO. N/A 92-RED1

UNIT ☐ 2 ☒ 3 ☐ 4

SYSTEM <u>STEAM GEN. C, COLD</u>	COMPONENT NAME: <u>STEAM GENERATOR</u>	COMPONENT ID NO.: <u>MANWAY NUTS</u>
CLASS: <u>II</u>	LOCATION/ISOMETRIC: <u>N/A</u>	
PROCEDURE: <u>NDEP-616</u>	REV: <u>0</u>	METHOD VT-1 <input type="checkbox"/> VT-2 <input type="checkbox"/> VT-3 <input checked="" type="checkbox"/> VT-4 <input type="checkbox"/>
REPLICATION: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	DIRECT <input checked="" type="checkbox"/>	REMOTE <input type="checkbox"/> VIDEO RECORDING NO: <u>N/A</u>
EQUIPMENT USED <u>FLASHLIGHT, 18% NEUTRAL GRAY CARD</u>		

ITEM NUMBER	CRACKS		CORROSION		THREAD DAMAGE		MISALIGNMENT		WEAR		OTHER		COMMENTS BELOW SAT. UNSAT
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	
C1		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C2		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C3		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C4		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C5		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C6		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C7		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C8		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C9		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C10		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C11		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C12		X		X		X	N/A	N/A	N/A	N/A	N/A	N/A	N/A

COMMENTS/NOTES:

NO COMMENTS/NOTES.

1 EXAMINER: <u>William</u>	LEVEL: <u>II - EXAMINER</u>	DATE: <u>4/28/92</u>
2 EXAMINER: <u>Kramer</u>	LEVEL: <u>II EXAMINER</u>	DATE: <u>4/28/92</u>
SATISFACTORY <input checked="" type="checkbox"/> UNSATISFACTORY <input type="checkbox"/>		
NO REPORTABLE INDICATIONS <input type="checkbox"/> REPORTABLE INDICATIONS <input type="checkbox"/>		
REVIEWED BY: _____	LEVEL: _____	DATE: _____
REVIEWER COMMENTS/NOTES: _____		





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PROJECT ABR

JOB NO. ~~15/A~~ 92-AETD 1

UNIT ☐ 1 ☒ 2 ☐ 3 ☐ 4

SYSTEM:  
STEAM GEN. "C", COLD

COMPONENT  
NAME: STEAM GENERATOR

COMPONENT  
ID NO. 1 MANWAY NUTS

CLASS: T

LOCATION/ISOMETRIC: N/A

PROCEDURE: NDEP-616

REV: 0

## METHOD

۷۹-۱۰

VT-2 ☐VT-3 ☒VT-4 ☐

REPLICATION: YES ☐ NO ☒

DIRECT ☒

REMOTE ☐

VIDEO RECORDING NO:

EQUIPMENT USED: FLASHLIGHT, 18% NEUTRAL GRAY CARD

[illegible]

**\* COMMENTS/NOTES:**

\* C16 - SCATTERED SLIGHT (4 NOTED) PITTING ON BOTTOM THREAD.

1 EXAMINER: *[Signature]*

LEVEL: II EXAMINER

DATE: 4/28/91

2 EXAMINER: *J. Bremer*

LEVEL *D* Examination

DATE 4/28/92

**SATISFACTORY** ☐

UNSATISFACTORY ☐

NO REPORTABLE INDICATIONS

REPORTABLE INDICATIONS 

REVIEWED BY: [Signature]

**LEVEL 1**

DATE: \_\_\_\_\_

REVIEWER COMMENTS/NOTES: