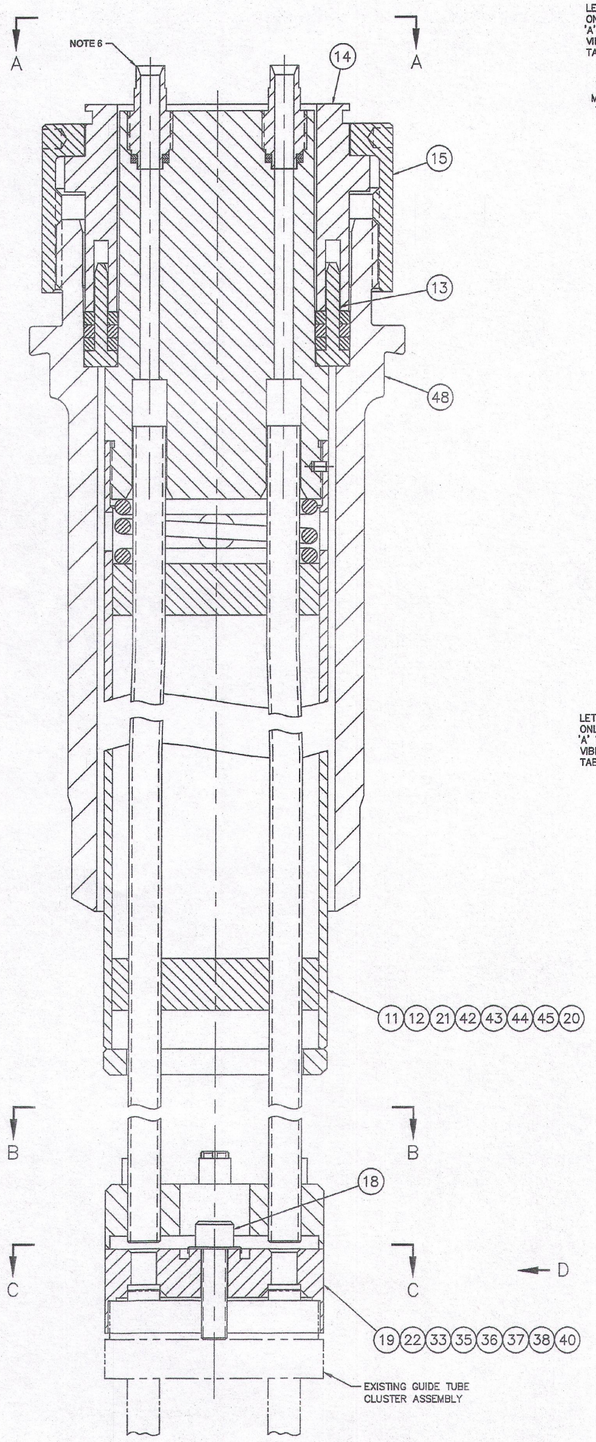
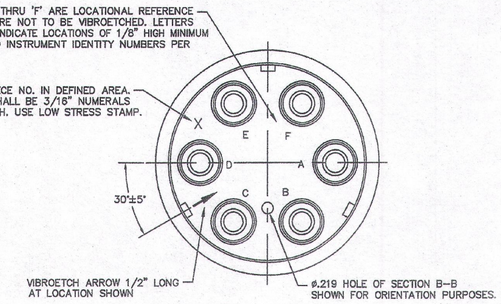
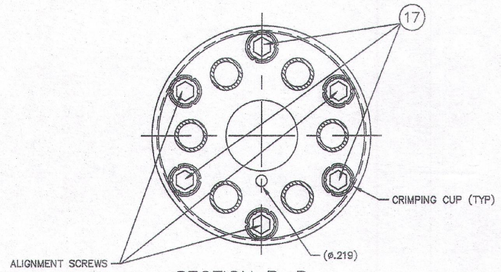
Electronically approved records are authenticated in the electronic document management system. This record was first approved on Oct-20-2011.
(This statement was added by the EDMS system to the quality record upon its retrieval.)



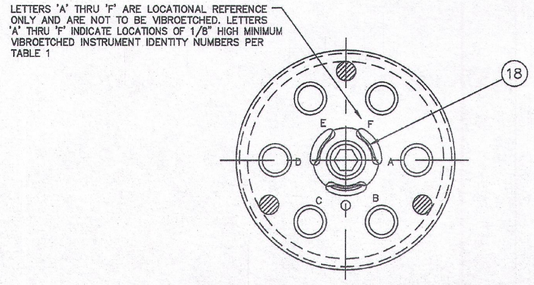
1 2 3 5 6 7 8 10 ICI QUICKLOC ASSEMBLY
SCALE: 1/1



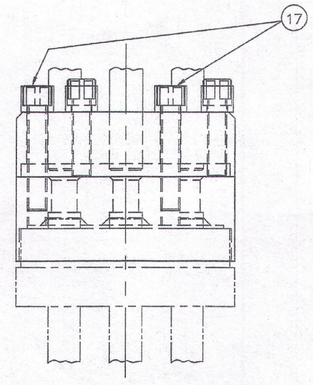
VIEW A-A
SCALE: 1/1
ITEMS 11,12,20,21 & 42-45 SHOWN ONLY FOR CLARITY



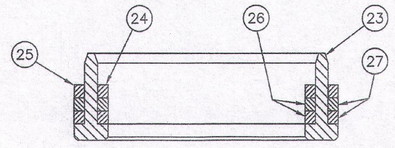
SECTION B-B
SCALE: 1/1



SECTION C-C
SCALE: 1/1



VIEW D
SCALE: 1/1



13 SEAL CARRIER ASSEMBLY
SCALE: 1/1

BILL OF MATERIALS

GROUP NO. & QUANTITY 11	10	9	8	7	6	5	4	3	2	1	ITEM NO.	NAME	PIECE NO.	MATERIAL	REMARKS
										X	1	ICI QUICKLOC ASSEMBLY	E-13172-165-320-1		NOTE 4
									X		2	ICI QUICKLOC ASSEMBLY	E-13172-165-320-2		
								X			3	ICI QUICKLOC ASSEMBLY	E-13172-165-320-3		
							X				4	HJTC QUICKLOC ASSEMBLY	E-13172-165-320-4		
						X					5	ICI QUICKLOC ASSEMBLY	E-13172-165-320-5		
					X						6	ICI QUICKLOC ASSEMBLY	E-13172-165-320-6		NOTE 4
				X							7	ICI QUICKLOC ASSEMBLY	E-13172-165-320-7		
			X								8	ICI QUICKLOC ASSEMBLY	E-13172-165-320-8		
		X									9	HJTC QUICKLOC ASSEMBLY	E-13172-165-320-9		
	X										10	ICI QUICKLOC ASSEMBLY	E-13172-165-320-10		
										1	11	ICI STALK ASSEMBLY (5 HOLE)	E-QUICKLOC-165-002-34		
									1		12	ICI STALK ASSEMBLY (6 HOLE)	E-QUICKLOC-165-002-1		
X	1	1	1	1	1	1	1	1	1	1	13	SEAL CARRIER ASSEMBLY	E-13172-165-320-13		
	1	1	1	1	1	1	1	1	1	1	14	COMPRESSION COLLAR	E-QUICKLOC-165-002-23		
	1	1	1	1	1	1	1	1	1	1	15	NUT	E-QUICKLOC-165-002-24		
											16				
	3	3	3	3	3	3	3	3	3	3	17	HOLD DOWN SCREW	E-QUICKLOC-165-002-30		NOTE 1
	1	1	1	1	1	1	1	1	1	1	18	LOCKING SOCKET HEAD CAP SCREW	E-QUICKLOC-165-002-27		NOTE 1
										1	19	ICI TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-002-13		
	1										20	ICI STALK ASSEMBLY (6 HOLE)	E-QUICKLOC-165-002-1		
								1			21	ICI STALK ASSEMBLY (6 HOLE)	E-QUICKLOC-165-002-1		
									1		22	ICI TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-002-13		
1											23	SEAL CARRIER	E-QUICKLOC-165-002-17		
1											24	INNER RING	E-QUICKLOC-165-002-18		
1											25	OUTER RING	E-QUICKLOC-165-002-19		
2											26	INNER GRAFOIL RING	E-QUICKLOC-165-002-20		
2											27	OUTER GRAFOIL RING	E-QUICKLOC-165-002-21		
											28				
											29				
		1					1				30	CASTLE NUT	E-QUICKLOC-165-006-17		NOTE 1
		2					2				31	GRAFOIL RING	E-QUICKLOC-165-006-19		
		1					1				32	SUPPORT RING	E-QUICKLOC-165-006-18		
								1			33	ICI TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-002-13		
							1				34	HJTC TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-006-13		
						1					35	ICI TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-002-13		
					1						36	ICI TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-002-13		
				1							37	ICI TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-002-13		
			1								38	ICI TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-002-13		
		1									39	HJTC TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-006-13		
	1										40	ICI TRANSITION FLANGE ASSEMBLY	E-QUICKLOC-165-002-13		
							1				41	HJTC STALK ASSEMBLY	E-QUICKLOC-165-006-1		
						1					42	ICI STALK ASSEMBLY (6 HOLE)	E-QUICKLOC-165-002-1		
					1						43	ICI STALK ASSEMBLY (5 HOLE)	E-QUICKLOC-165-002-34		
				1							44	ICI STALK ASSEMBLY (6 HOLE)	E-QUICKLOC-165-002-1		
			1								45	ICI STALK ASSEMBLY (6 HOLE)	E-QUICKLOC-165-002-1		
		1									46	HJTC STALK ASSEMBLY	E-QUICKLOC-165-006-1		
											47				
	1	1	1	1	1	1	1	1	1	1	48	WELDED FLANGE ADAPTER	E-13172-165-324		

NOTE:
NO QUICKLOC II SHIMS ARE INSTALLED. IF REQUIRED IN FUTURE A PCM WOULD BE REQUIRED TO INSTALL.
SEE EC 235575 (PCM 06038) FOR REFERENCE.
SEE DRAWINGS
2998-21874, 2998-21875, 2998-21876, 2998-21877, 2998-21878, 2998-21879.

TABLE 1

ASSY ITEM NO.	FLANGE ITEM NO.	STALK ITEM NO.	LOCATION REF LETTERS & INSTR IDENTITY NO.'S A	B	C	D	E	F
1	19	11	R18	L20	–	L18	R16	G20
2	22	12	L16	G18	E20	E18	G16	L13
3	33	21	G13	E16	C18	C16	E13	G9
4	34	41	E9	C13	HJTC	C9	E6	A14
5	35	42	C4	A8	C6	G2	E2	E4
6	36	43	G4	L2	–	L4	G6	R2
7	37	44	L6	R4	T2	T4	R6	L9
8	38	45	R9	T6	W4	W6	T9	R13
9	39	46	T13	W9	HJTC	W13	T16	Y8
10	40	20	W18	Y14	W16	R20	T20	T18

7. THIS REVISION IS APPLICABLE ONLY AFTER REPLACEMENT REACTOR VESSEL CLOSURE HEAD (RRVCH) INSTALLED.

6. REFERENCE TORQUE VALUE FOR THE SWAGELOK BODIES IS 25±1 FT-LBS. FOR ASSEMBLY DETAILS, INCLUDING LUBRICATION REQUIREMENTS, SEE L-NOME-EP-0103

4. ICI QUICKLOC ASSYS, ITEMS 1 & 6, DO NOT HAVE ICI PENETRATION AT LOCATION "C", VIEW A-A.

3. USE HJTC LOCATION FOR ORIENTATION OF ASSEMBLIES.

2. INSTALLATION AND MAINTENANCE PER PROCEDURE NO. L-NOME--EP--0103.

1. INSTALLATION TORQUE VALUES:

ITEM	NAME	TORQUES
17	HOLD DOWN SCREW	100±7 IN-LBS
18	LOCKING SOCKET HEAD CAP SCREW	20±1 FT-LBS
30	CASTLE NUT	102±5 FT-LBS

CERTIFIED FOR CONSTRUCTION

REV.	DATE	BY	CHK.	APP	REVISION DESCRIPTION
7	7/16/15	MC	GW	DG	EC278521 REV. WITH LATEST REVISION PER PCM. EC 235575 REF.: QUICKLOC SHIM TABLE. ADD: QUICKLOC NOTE.
6	1/26/11	MC	GW	DG	

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STATUS:

TOLERANCE & MACHINE NOTES
(UNLESS OTHERWISE SPECIFIED)
DRAWING PRACTICES, GEOMETRIC SYMBOLS, DIMENSIONING, TOLERANCING & INTERPRETATION BASED ON ASME Y14.5M STANDARD.
DIMENSIONS IN INCHES BASED ON 68°F (20°C).
TOLERANCES:
TWO PLACE DECIMAL ± .1
THREE PLACE DECIMAL ± .03
FOUR PLACE DECIMAL ± .005
RADIUS OR CHAMFER ALL EDGES .005 – .030
FILLET RADII .05 ± .01
CHAMFERS ± 2°
ANGLES ± .5°
MAXIMUM MACHINED SURFACE - 125 in (µ) AA V
MAXIMUM SURFACE ROUGHNESS - 250 in (µ) AA V

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SEE EDMS FOR DRAWING APPROVAL DATES

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DWGL REF.
NEXT ASSY.
THIRD ANGLE PROJECTION

SIGNATURES SHOWN ARE FOR CURRENT REVISION
DFTM. JOHN BACHRYJ
DFTG.CHKR. RONALD J. KOPREK
DESIGNER (IF APPLICABLE) N/A
ENGINEER AARON C. BERGERON
ENG. VERIFIER DANIEL T. LARSON
DFTG. VERIFIER (IF APPLICABLE) N/A
CTRMR APPROVAL (IF APPLICABLE) ANA V. BAUER

CUSTOMER
FLORIDA POWER & LIGHT CO.
ST. LUCIE PLANT – UNIT 2

DATABASE IDENTIFICATION NUMBER
13172 / 165 / 3200105

Westinghouse
WESTINGHOUSE ELECTRIC COMPANY LLC
WINDSOR, CT. U.S.A.

TITLE
ICI & HJTC
QUICKLOC ASSEMBLY

DIMENSIONS IN INCHES
SIZE E
DWGNO. E-13172-165-320
REV. 05
SCALE NOTED
WEIGHT
SHT. 1 OF 2 SHTS.

RFDS-WDSR-X-2-95 05
REVISION
1 – REVISED NOTE 6
2 – UPDATED WESTINGHOUSE FORMAT

2998-19709 REV 7
FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT UNIT 2
P.O. CE 917

DRAWING NOTES	
REVIEWED WITHOUT COMMENTS	X
REVIEWED WITH COMMENTS AS NOTED	
NOT APPLICABLE	
NO COMMENTS, NO PRINT RETURNED	
FOR INFORMATION ONLY	
PROCEED WITH REVISION: NO FURTHER REPRODUCIBLE REQUIRED	X
RESUBMIT REVISED REPRODUCIBLE	
RESUBMIT REPRODUCIBLE AS SHIPPED	
DO NOT PROCEED WITH FABRICATION RESUBMIT REVISED REPRODUCIBLE	

ICI & HJTC QUICKLOC ASSEMBLY SHEET 1

REVIEWED BY: DATE: 7/16/15

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CAD FILE: R2998-19709_R7.dwg

D29