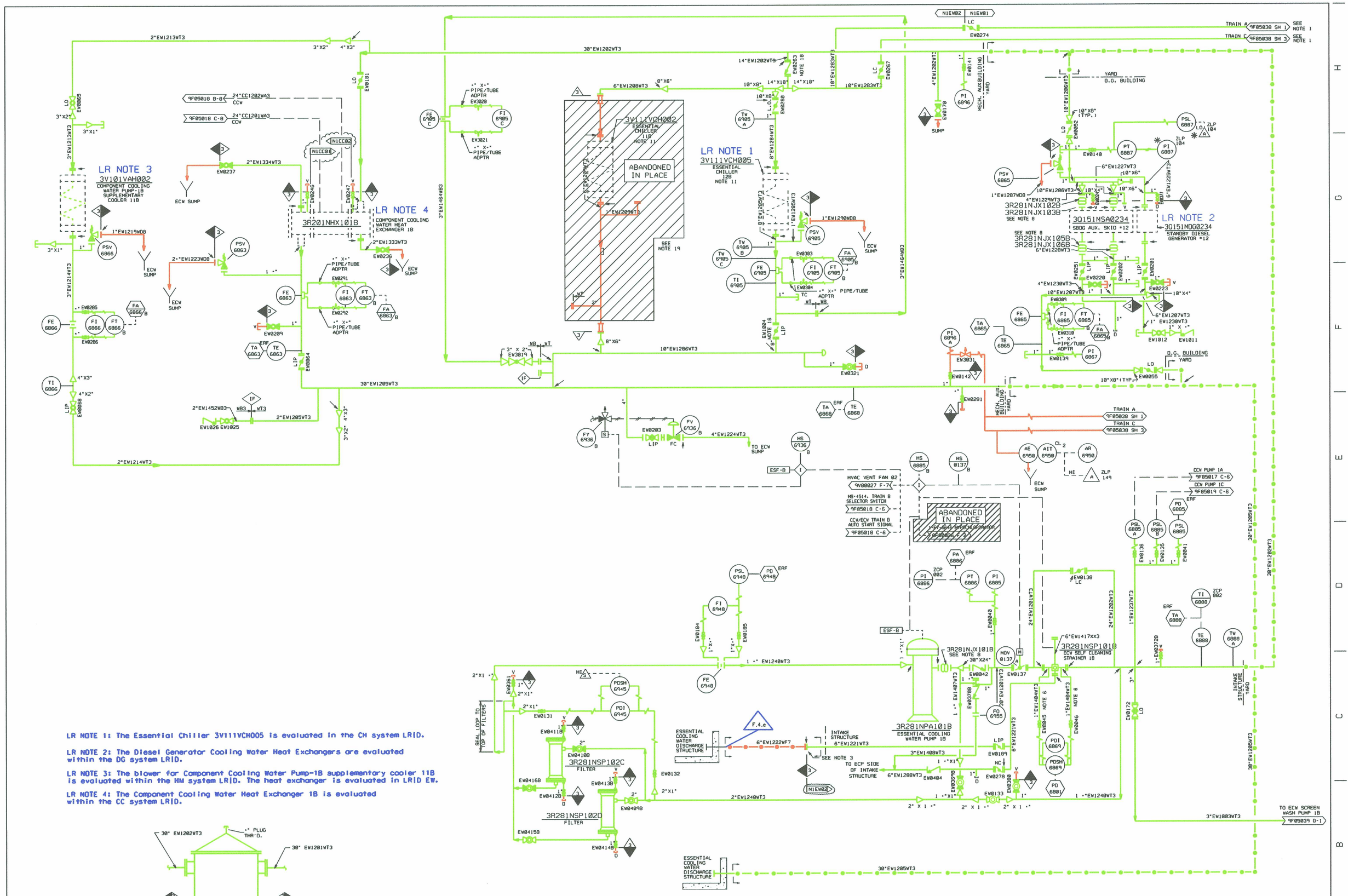

LR NOTE 1: The Essential Chiller 3V111VCH005 is evaluated in the CH system LRID.

LR NOTE 2: The Diesel Generator Cooling Water Heat Exchangers are evaluated within the DG system LRID.

LR NOTE 3: The blower for Component Cooling Water Pump-1B supplementary cooler 11B is evaluated within the HM system LRID. The heat exchanger is evaluated in LRID EW.

LR NOTE 4: The Component Cooling Water Heat Exchanger 1B is evaluated within the CC system LRID.

NOTES:

1. THE CROSS TIE VALVES BETWEEN ECW TRAINS SHALL BE MAINTAINED "LOCKED CLOSED". THEY SHALL ONLY BE USED FOR THE PURPOSE OF FILLING AN IDLE TRAIN.
2. INSTRUMENT TAKEOFF PIPE AND FITTINGS TO AND INCLUDING THE ROOT VALVE SHALL CONFORM TO THE MAIN LINE SPEC.
3. LOCATE FLANGE OUTSIDE INTAKE STRUCTURE.
4. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR EW.
5. ALL INSTRUMENTS ON THIS P&ID ARE SEPARATION GROUP N UNLESS OTHERWISE DESIGNATED.
6. 1"EW1403,1404 & 1411WT3 ARE CONNECTED TO THE ECW SELF CLEANING STRAINERS.
7. DELETED
8. FOR DESCRIPTION OF EXPANSION JOINTS, REFER TO EQUIPMENT INDEX ENGINEERING REPORT NO. 9A470M24000.
9. THE CORROSION MONITORING SYSTEM HAS NO EW OPERATIONAL FUNCTION. ITS PURPOSE IS TO MONITOR FOR CORROSION PRODUCTS IN THE EW SYSTEM.
10. DELETED.
11. FOR CHILLER DETAIL SEE DRAWINGS: P&ID 1V01052 CHILLER 12A P&ID 1V01053 CHILLER 12B P&ID 1V01054 CHILLER 12C
12. DELETED
13. DELETED
14. DELETED
15. DELETED
16. FOR COLD WEATHER OPERATION, THIS VALVE TO BE IN THE CLOSED POSITION.
17. DELETED.
18. CHECK VALVE (EW0263) INTERNALS REMOVED
19. DO NOT REMOVE ESSENTIAL CHILLER OR EW PIPING. THESE COMPONENTS PROVIDE A PIPE SUPPORT TO THE EW PIPING FOR THE 300 TON CHILLER.

D112

LR BOUNDARY DRAWING NO.	REV.
LR-STP-EW-5R289F05038#1-2	0D

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
13		REVISED PER CR# 06-3910-2.	JSH				
12	3-25-05	INCORP. DCN 0500414	KS ON FILE				
11	3-14-02	INCORP. DCN 9502786 AND 0200306.	LNB ON FILE				
0-10	11-15-93	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING AND INSTRUMENTATION DIAGRAM
ESSENTIAL COOLING WATER SYSTEM
TRAIN 1B

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	F0192.131	D070928		NONE	5R289F05038#1	2	13

ESEED.DGN