



FOR P&ID REFERENCE DRAWINGS, SYMBOLS AND ABBREVIATIONS REFER TO DRAWINGS P&ID - LRLEGEND 1 AND P&ID - LRLEGEND 2

LR NOTES:

- COMPONENTS DESIGNATED AS (X-35 & 40) ARE CONTAINMENT PENETRATIONS THAT ARE EVALUATED UNDER CIVIL/STRUCTURAL SYSTEM LRSP-CNT.
- THIS PORTION OF THE SAMPLE SYSTEM IS NOT IN SCOPE BECAUSE THE INTERNAL ENVIRONMENT IS AIR/GAS.
- PIPE SUPPORT ANCHOR
ISO NO. 800129-492.10A
HANGER NO. 129-A-9
CALC. NO. MCD 492.10A-CALC
- PIPE SUPPORT EQUIVALENT ANCHOR
ISO NO. 800129-10129
HANGER NOS. M/S 129-SG-4A & M/S 129-4A/129-RG-4B
CALC. NO. MCD 10129-CALC
- PER NEI 95-10 APPENDIX F SECTION 4.4F THE SMALLER TUBING DOES NOT IMPOSE LOADS ON THE LARGER PIPING AND DOES NOT SUPPORT THE PIPING.

COMPONENTS SUBJECT TO AMR

RED INDICATES COMPONENTS IN SCOPE PER 10CFR 54.4(a)(1) AND/OR (a)(3) AND SUBJECT TO AMR PER 10CFR 54.21.

BLACK INDICATES COMPONENTS NOT SUBJECT TO AMR.

GREEN INDICATES COMPONENTS IN SCOPE PER 10CFR 54.4(a)(2) AND SUBJECT TO AMR PER 10CFR 54.21.

▲ PIPE ANCHOR

◊ INDICATES SYSTEM BOUNDARY INTERFACE

SS - SAMPLE SYSTEM
RC - REACTOR COOLANT SYSTEM
DM - DEMINERALIZED WATER SYSTEM
CS - CHEMICAL & VOLUME CONTROL SYSTEM

NOTES:

- WORK THIS DRAWING WITH DRAWINGS 20516, 20519 THRU 20522.
- ALL LINES, EQUIPMENT, COMPONENTS AND INSTRUMENTS HAVE SYSTEM PREFIX SS, UNLESS NOTED OTHERWISE.
- ALL SAMPLE INSTRUMENTATION INDICATION SHALL BE LOCATED ON A PANEL AT THE SAMPLE SINK.
- REACH ROD OPERATED FROM THE SAMPLE ROOM SIDE OF THE SAMPLE ROOM-SAMPLE WALL.
- THIS VALVE SHALL BE ADJUSTED AND SET TO GIVE A 0.8 GPM SAMPLE FLOW FROM RPV LOOP 1 OR 3.
- ALL FLOW INDICATORS ON SS-CP-166A & B HAVE INTEGRAL NEEDLE VALVES WHICH ARE NOT SHOWN ON THE P&ID.
- TYPICAL CONNECTION IDENTIFICATION FOR SS-CP-166A & B
- DELETED
- △ INDICATES REVISION LEVEL
- VENTS, DRAINS AND TEST CONNECTION CODEBREAKS ARE AT THE DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-005111 UNLESS OTHERWISE NOTED.
- VALVE DISABLED IN THE LOCKED CLOSED POSITION BY LOCKING BREAKERS B4T & B4U OPEN.
- SAMPLE BOMBS AND SEPTUMS ARE INSTALLED DURING SAMPLING FUNCTIONS. EITHER THE SAMPLE BOMB OR THE SAMPLE SEPTUM MAY BE USED. SEE DETAIL A (A-6).

PORTIONS OF THIS DRAWING ARE
NUCLEAR SAFETY RELATED

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
1					ORIGINAL ISSUE

NextEra Energy
SEABROOK STATION

**SAMPLE SYSTEM
(NUCLEAR-NORMAL OPERATION)
DETAIL
LICENSE RENEWAL P&ID**

PID-1-SS-LR20518

REV	DATE	DESCRIPTION
12		SAMPLE SYS NUCLEAR-NORMAL OPERATION DETAIL

PID-1-SS-820518
REF. DRAWING NO.