



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

LR NOTES:  
1. COMPONENTS DESIGNATED AS X-25, X-26, & X-27 ARE  
CONTAINMENT PENETRATIONS THAT ARE EVALUATED UNDER  
THE CIVIL STRUCTURAL SYSTEM LRSP-CNT.  
2. PIPE SUPPORT ANCHOR  
ISO NO.: 800253-541.50  
HANGER NO.: 253-A-9  
CALC. NO.: MCD 541.50-CALC

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

CBS - CONTAINMENT SPRAY  
CS - CHEMICAL & VOLUME CONTROL SYS  
RH - RESIDUAL HEAT REMOVAL  
SI - SAFETY INJECTION

NOTES:  
1. WORK THIS DRAWING WITH DRAWINGS 20445, 20447 THRU 20458.  
PORTIONS OF RH SYSTEM DUPLICATED ON THIS DRAWING ARE DETAILED ON  
RH-20663 DUE TO DUAL SYSTEM FUNCTIONS.  
2. ALL PIPES, VALVES, EQUIPMENT, COMPONENTS, AND INSTRUMENTS HAVE SYSTEM PREFIX SI  
UNLESS NOTED OTHERWISE.  
3. (A) = VALVE INTERLOCK FROM RH-Y35, RH-Y36 IDWG. 20449.  
4. PERMANENT SPOOL PIECE INSTALLATION SHOWN. TEMPORARY STRAINER IS USED IN  
PLACE OF SPOOL PIECE DURING INITIAL FLUSHING OPERATION. STRAINER TO BE  
REMOVED BEFORE PLANT START UP CONNECTION USED FOR PRE-PLANNED MAKEUP  
STRATEGY. SEE P&ID 20449.  
5. VENT, DRAIN, TEST COMPS AND ORIFICE TAP PIPING CODE BREAKS ARE AT THE  
DOWNSTREAM END OF THE OUTER ISOLATION VALVE PER 1-NHY-885111 UNLESS NOTED  
OTHERWISE.  
6. DELETED  
7. ADJUST VALVES IN FIELD TO LIMIT PUMP RUN OUT THEN LOCK.  
8. MINIMUM FLOW ORIFICE SUPPLIED WITH PUMP.  
9. ▲ INDICATES REVISION LEVEL  
10. ● INDICATES 3/8" FLOW RESTRICTOR INSTALLED. SEE APPLICABLE DETAIL ON DWG  
RC-20848.

PORTIONS OF THIS DRAWING ARE  
**NUCLEAR SAFETY RELATED**

REV	DATE	DSGN	CHKD	CE	DESCRIPTION
0					ORIGINAL ISSUE

**NextEra Energy**  
SEABROOK

SAFETY INJECTION SYSTEM  
INTERMEDIATE HEAD INJECTION  
SYSTEM DETAIL  
LICENSE RENEWAL P&ID

PID-1-SI-LR20446

PID-1-SI-820446 17 SAFETY INJECT. SYS. INTERMEDIATE HEAD P & ID  
REF. DRAWING NO. REV TITLE