



- NOTES:**
- ORIFICE REQUIRED TO PREVENT EXCESSIVE PUMP RUNOUT.
 - THE SUMP REPRESENTATION IS NOT INTENDED TO ILLUSTRATE A STRUCTURAL DESIGN.
 - SEE NSS SYS STANDARD DESIGN CRITERIA 1.1-1.12, LAYOUT GUIDELINES.
 - PROVIDE INCH ID FLOW RESTRICTOR FOR TRANSITION FROM SAFETY CLASS 1 TO SAFETY CLASS 2.
 - LOCATE CONNECTION ABOVE WATER LEVEL.
 - LOCATE TAPS AT SAME ELEVATION (APPROXIMATELY 1 FOOT ABOVE BOTTOM OF RWST). PROVIDE MAXIMUM PHYSICAL SEPARATION BETWEEN EACH TAP LOCATION.
 - LOCATE CONTAINMENT SUMP ISOLATION VALVE ABOVE ELEVATION OF R.W.S.T. ISOLATION VALVE.
 - REFUELING WATER STORAGE TANK SUMP SEE DRAWING 9F05030.
 - SEE NSS SYS. STANDARD DESIGN CRITERIA 1.14, CONTAINMENT ISOLATION.
 - LOCATE TEST CONNECTION AS CLOSE AS POSSIBLE TO ISOLATION VALVE. TEST CONNECTIONS ATTACHED TO BOTTOM OF LINES TO FACILITATE DRAINING OF LINES.
 - TEMPORARY BLIND FLANGE (WITH OR WITHOUT TEST CONNECTION) WILL BE INSTALLED ON PERMANENT FLANGE DURING LEAK TESTING.
 - ALL INSTRUMENTS ON THIS PID HAVE SYSTEM DESIGNATOR SI UNLESS OTHERWISE NOTED.
 - ALL INSTRUMENTS ON THIS PID HAVE SEPARATION GROUP DESIGNATOR N UNLESS OTHERWISE NOTED.
 - REFER TO DWGS 9A310F00001 AND 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS.
 - WELD EXISTING BETWEEN ASME COMPONENTS AND ANSI B31.1 PIPING SHALL BE GOVERNED BY THE PIPING CLASS.

- REFERENCES:**
- FOR PIPING AND INSTRUMENT SYMBOLS SEE DRAWINGS 0F00001 & 0F00002.
 - WESTINGHOUSE DRAWING NO. 1465600 SHEET 1 OF 4. (28412100001) MW.

LR BOUNDARY DRAWING NO.	REV.
LR-STP-SI-5N129F05013#2	0

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE	NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
29		INCORP. DCN 0700731.	JSH												
28	3-14-07	INCORP. DCN 0601581.	JSH		ON FILE										
27	2-07-07	INCORP. DCN 0602447.	JSH		ON FILE										
26	10-23-02	INCORP. DCN 0202001.	VJM		ON FILE										
0-25	2-24-83	ISSUED FOR CONSTRUCTION.													

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE	NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
8															
7															
6															
5															
4															
3															
2															
1															

**SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY**

STP

PRIORITY	CADD FILE NO.	FSUD. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA557.291	D070928		NONE	5N129F05013#2		29

PIPING AND INSTRUMENT DIAGRAM SAFETY INJECTION SYSTEM	
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