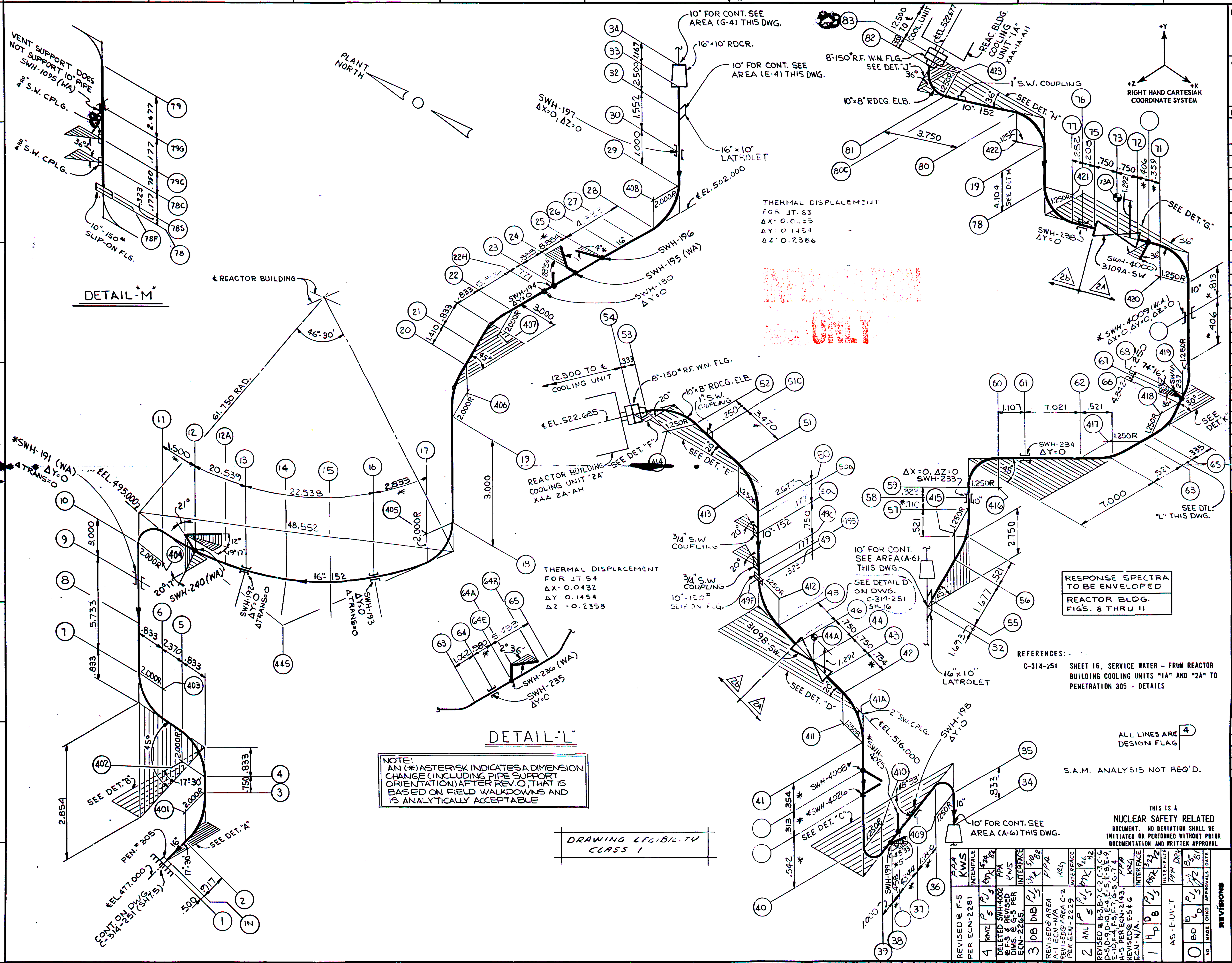

NOTE: AN (*) ASTERISK INDICATES A DIMENSION CHANGE (INCLUDING PIPE SUPPORT ORIENTATION) AFTER REV. O, THAT IS BASED ON FIELD WALKDOWNS AND IS ANALYTICALLY ACCEPTABLE

DRAWING LEGIBILITY CLASS 1

INFORMATION ONLY

RESPONSE SPECTRA TO BE ENVELOPED
REACTOR BLDG. FIG'S. 8 THRU 11

REFERENCES:-

C-314-251 SHEET 16, SERVICE WATER - FROM REACTOR BUILDING COOLING UNITS "1A" AND "2A" TO PENETRATION 305 - DETAILS

ALL LINES ARE DESIGN FLAG 4

S.A.M. ANALYSIS NOT REQ'D.

THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL

DESIGN CONDITIONS

SEE DSP-544H-044461-000

OPERATING CONDITIONS

SEE DSP-544H-044461-000

PIPING CODE: 4461-SW08

PIPE MATERIAL	LINE SPEC	LINE SIZE	REF TEMP °F	LIN EXP. IN/100 FT.	MOD. OF ELAS. PSI × 10⁶ EH	EC
SA 106, GR. B	152	10"	—	N/A	—	—
SA 106, GR. B	152	16"	—	N/A	—	—

PIPE SIZE NOM.	O.D.	WALL THK.	WEIGHT LB./LINEAR FT. PIPE	CONTENT	INSULATION
10"	10.750"	.365	40.500	34.200	—
16"	16.000"	.375	62.600	79.200	—

FIELD CHANGES

FCR-B-8496-R/0	FCR-B-11550-R/0
FCR-B-8511-R/0	FCR-B-11551-R/0
FCR-B-7634-R/0	FCR-B-9889-R/0
FCR-B-7721-R/0	FCR-B-9974-R/0
FCR-B-1424-R/2	FCR-B-10725-R/0
FCR-B-8306-R/3	FCR-B-11737-R/0
FCR-B-9105-R/0	FCR-B-11258-R/0
FCR-B-9017-R/0	FCR-B-11256-R/0
FCR-B-8793-R/1	FCR-B-12093-R/0
FCR-B-6008-R/1	FCR-B-11257-R/0
FCR-B-11298-R/0	FCR-B-9103-R/0
FCR-B-3962-R/0	DN-6335
FCR-B-978[redacted]	

SYMBOLS

- RIGID HANGER Y = 0
- VARIABLE (SPRING) HGR.
- CONSTANT LOAD HGR.
- GUIDE
- MECHANICAL RESTRAINT
- RIGID RESTRAINT
- ANCHOR
- CENTER OF GRAVITY
- DESIGN FLAG
- U-BOLT
- SLEEVE
- JET SHIELD
- RUPTURE RESTRAINT
- TEE

NOTES:

1. DIMENSIONS -
   - (a.) METERS AND DECIMALS OF METERS
   - (b.) FEET AND DECIMALS OF A FOOT
   - (c.) ALL DECIMALS SHALL BE CARRIED TO 3 PLACES

REFERENCE DWG

TITLE	NUMBER	REV
AS BUILT ISOMETRIC	SE-SW-28	2M
AS BUILT ISOMETRIC	SE-SW-35	0M
SERVICE WATER COOLING	E-304-257	1
SERVICE WATER COOLING	D-302-222	16

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION UNIT #1

PIPING ANALYSIS DIAGRAM

SERVICE WATER - FROM REACTOR BUILDING COOLING UNITS "1A" AND "2A" TO PENETRATION 305

GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS READING PA.

DRAFTING APPROVALS MADE	CHECKED	APPROVED	ENGINEERING APPROVALS MECHANICAL	NUCLEAR	PIPING
PJM 11-5-75	WLW 10-13-80	PJS 8-4-81	[illegible] 8-4-81	N/A	DRK

WORK ORDER	FILE NO.		DRAWING NO.	SHEET	REV.
SCALE-NONE 044461-000	04	4461	C-314-251	15	4

REVISIONS

NO	MADE	CHKD	APPROVALS	DATE	DESCRIPTION	INTERFACE
4	RMZ	PS	PJS	5-24-82	REVISED @ F-5 PER ECN-2281	PPA KWS
3	DB	DNB	PJS	5-10-82	DELETED SWH-4002 @ F-5 & REVISED DIMS. @ G-5 PER ECN-2265	PPA KWS
2	AAL	PS	PJS	9-26-82	REVISED @ AREA A-1 ECN-N/A REVISED @ AREA C-2 PER ECN-2229	PPA KRL
1	HP	DB	PJS	3-23-82	REVISED @ B-3, B-7, C-2, C-3, C-6, D-5, D-9, D-10, E-4, E-5, E-8, E-9, E-10, F-4, F-5, F-7, G-5, G-7 & H-5 PER ECN-2143. REVISED @ E-5 & G ECN-N/A.	PPA KRL
0	BD	BLD	PJS	8-5-81	AS-BUILT	PPA DRK

SW FRM RB COOL UNIT 1A & 2A TO PEN 305

1/4" = 1'-0"

D4