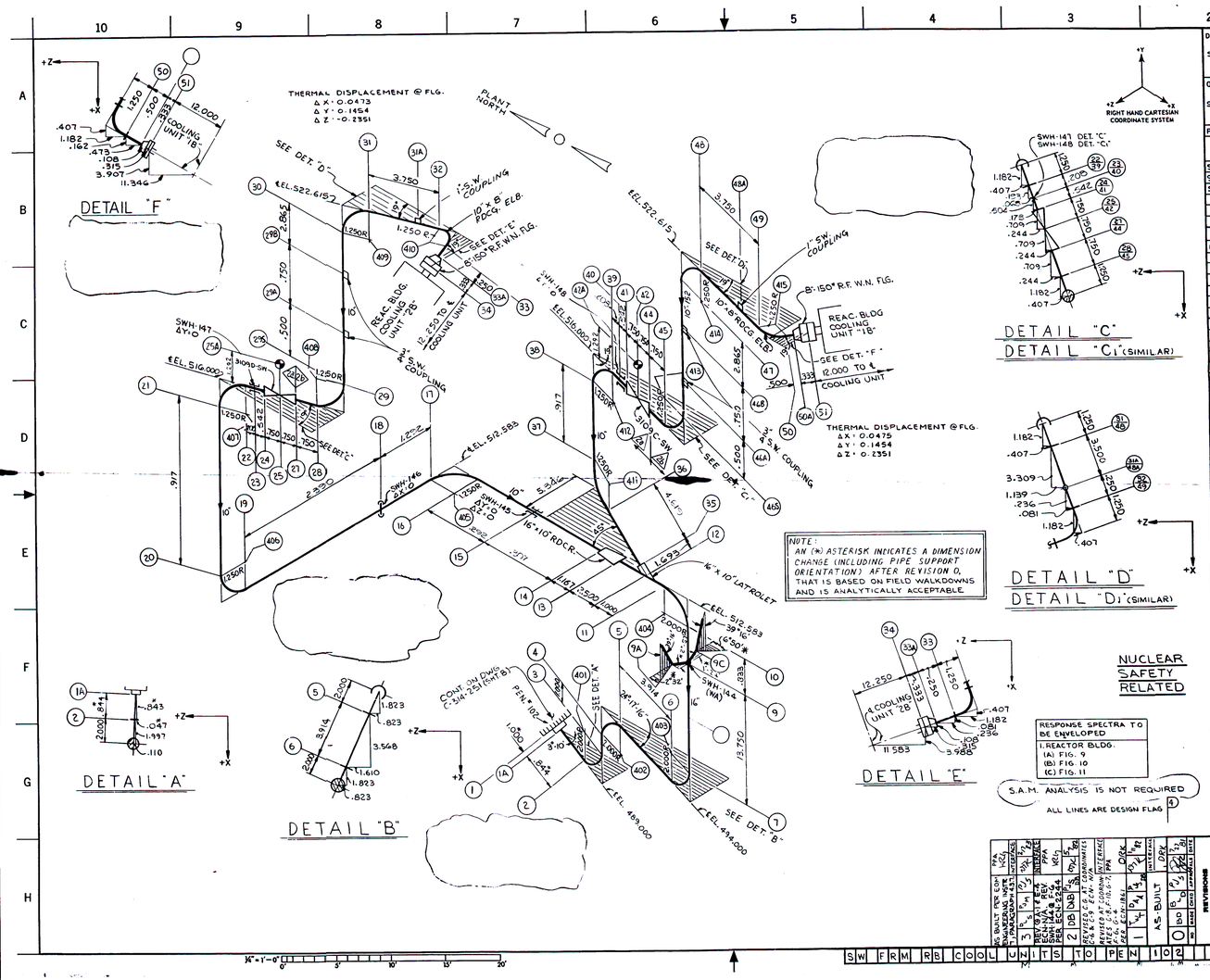

DESIGN CONDITIONS

SEE DSP 544H 044461-000

OPERATING CONDITIONS

SEE DSP 544H 044461-000

PIPING CODE: 4461 SW-11

PIPE MATERIAL	LINE SPEC	LINE SIZE	REF TEMP °F	LIN EXP. IN/100 FT.	NOD. OF ELAS. E_H	E_C
SA 106, GR. B	152	8	—	N/A		
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
8	8.625	.322	28.6	21.7	—
10	10.750	.365	40.5	34.2	—
16	16.000	.375	62.6	79.1	

FIELD CHANGES

FCR-B-5901 R/0
FCR-B-5025 R/0
FCR-B-11278 R/0
FCR-B-9073 R/0
FCR-B-8828 R/3
DN-6470

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
- KUPTON C. 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	2K
AS-BUILT ISOMETRIC	SE-SW-28	0M
SERVICE WATER COOLING	E-304-257	1
SERVICE WATER COOLING	D-302-222	17

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION — UNIT #1

PIPING — ANALYSIS DIAGRAM

SERVICE WATER - FROM REACTOR BUILDING COOLING UNITS "1B" & "28" TO PEN. #102

READING P.A. — GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS

DRAFTING APPROVALS			ENGINEERING APPROVALS		
MADE: PJM 5-26-78	CHECKED: WJW 6-1-78	APPROVED: RJS 6-1-78	MECHANICAL: N/A	PROJECT: N/A	PIPING: DRS 6-1-78

SCALE-MODE					
044461-000	04	4461	C-314-251	18	3
WORK ORDER		FILE NO.	DRAWING NO.	SHEET	REV.

REVISIONS

REV	DATE	DRAWN	CHKD	APPROVED	DESCRIPTION
0	6/1/78	B. Y.			AS-BUILT
1	1/1/79	D.R.K.			AS-BUILT
2	1/8/80	D.R.K.			REVISED C.G.A.T. COORDINATES PER ECN-A-2244 REVISED AT COUPLING INTERFACE PER ECN-B-2244
3	8/1/80	D.R.K.			REVISED C.G.A.T. COORDINATES PER ECN-A-2244 REVISED C.G.A.T. COORDINATES PER ECN-B-2244

AS BUILT PER CGA ENGINEERING NOTE 1-1-79

INFORMATION ONLY

D2