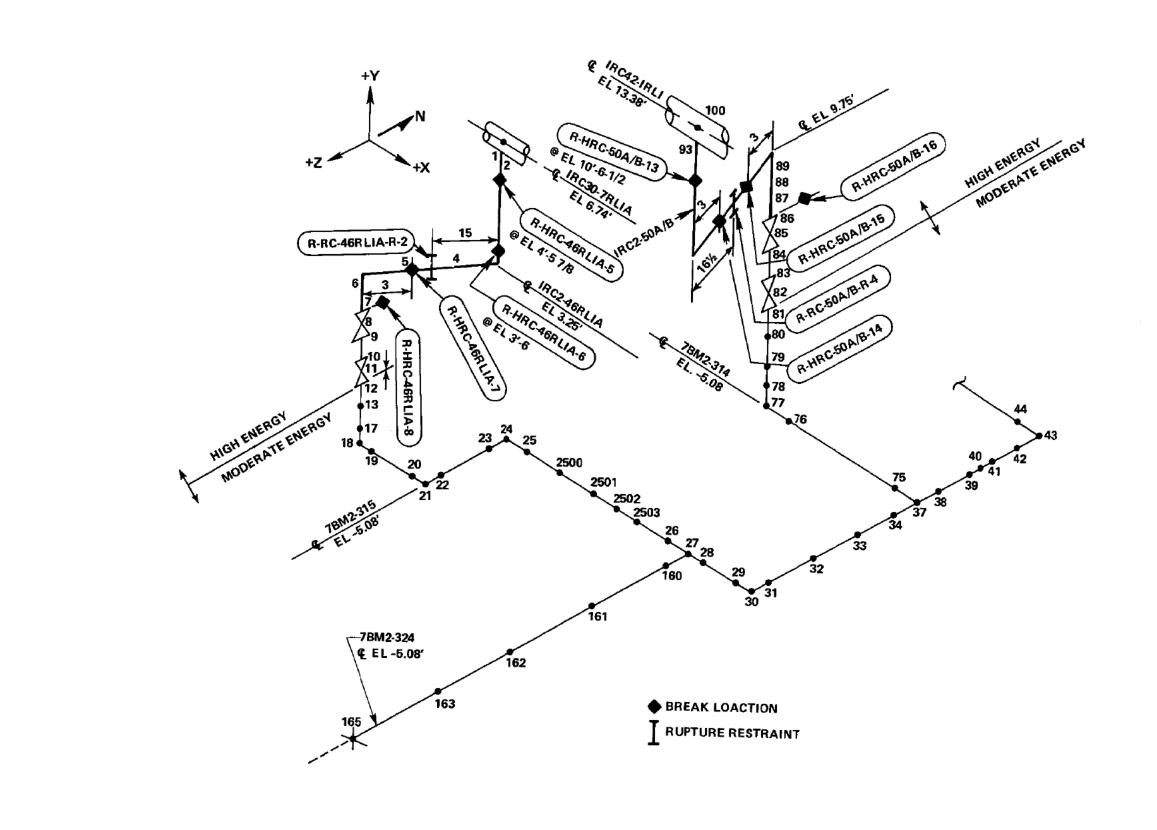


REVISION 6 (12/92)

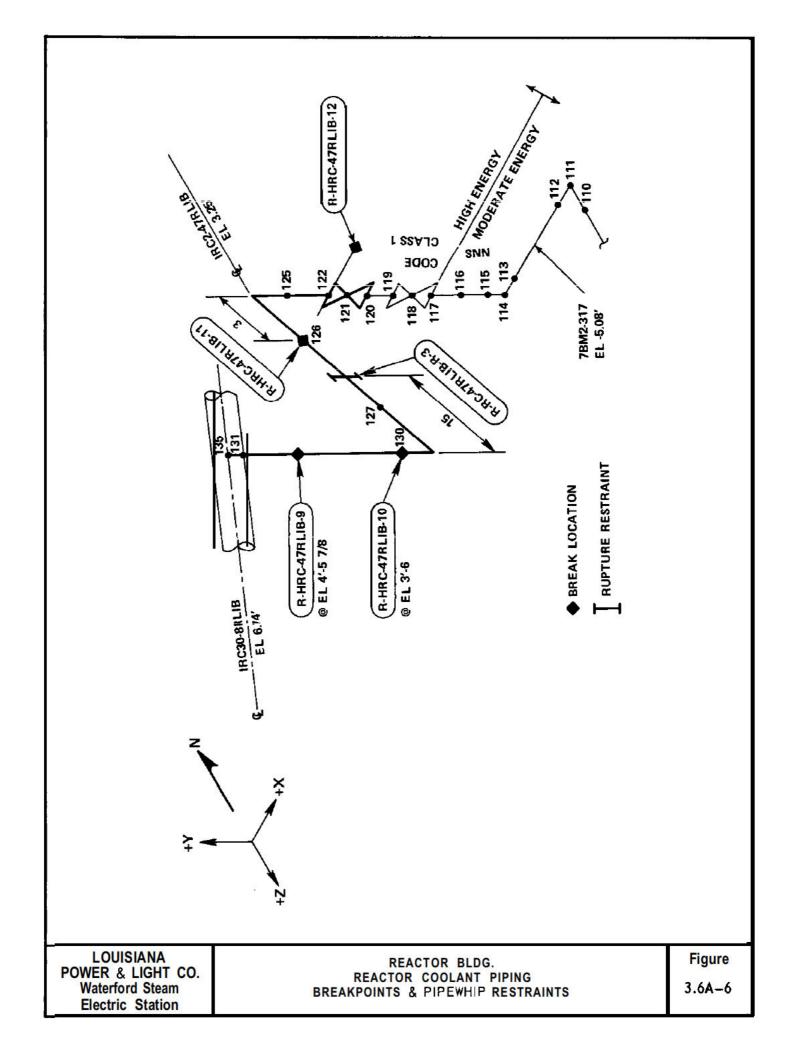
WATERFORD STEAM ELECTRIC STATION *3

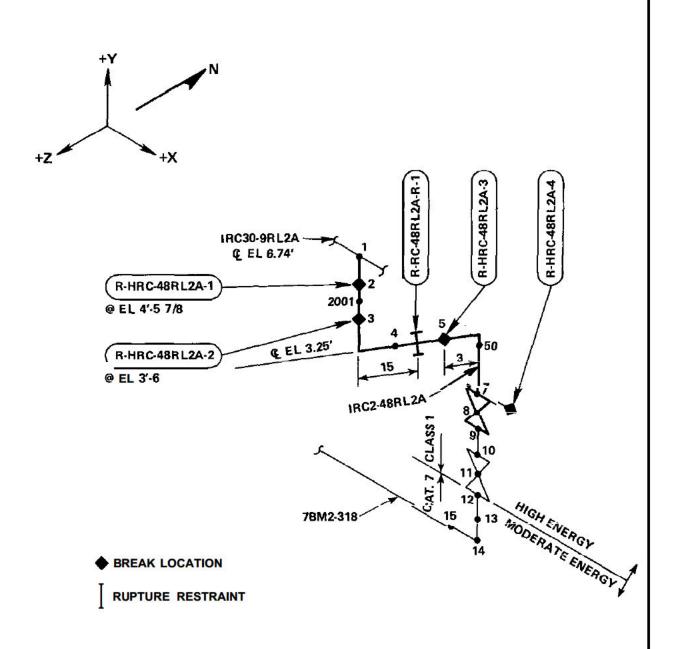
REACTOR BUILDING BLOW-DOWN SYSTEM BREAKPOINTS & PIPE WHIP RESTRAINTS



Waterford Steam Electric Station

REACTOR BLDG.
REACTOR COOLANT PIPING
BREAKPOINTS & PIPEWHIP RESTRAINTS
FIGURE 3.6A-5



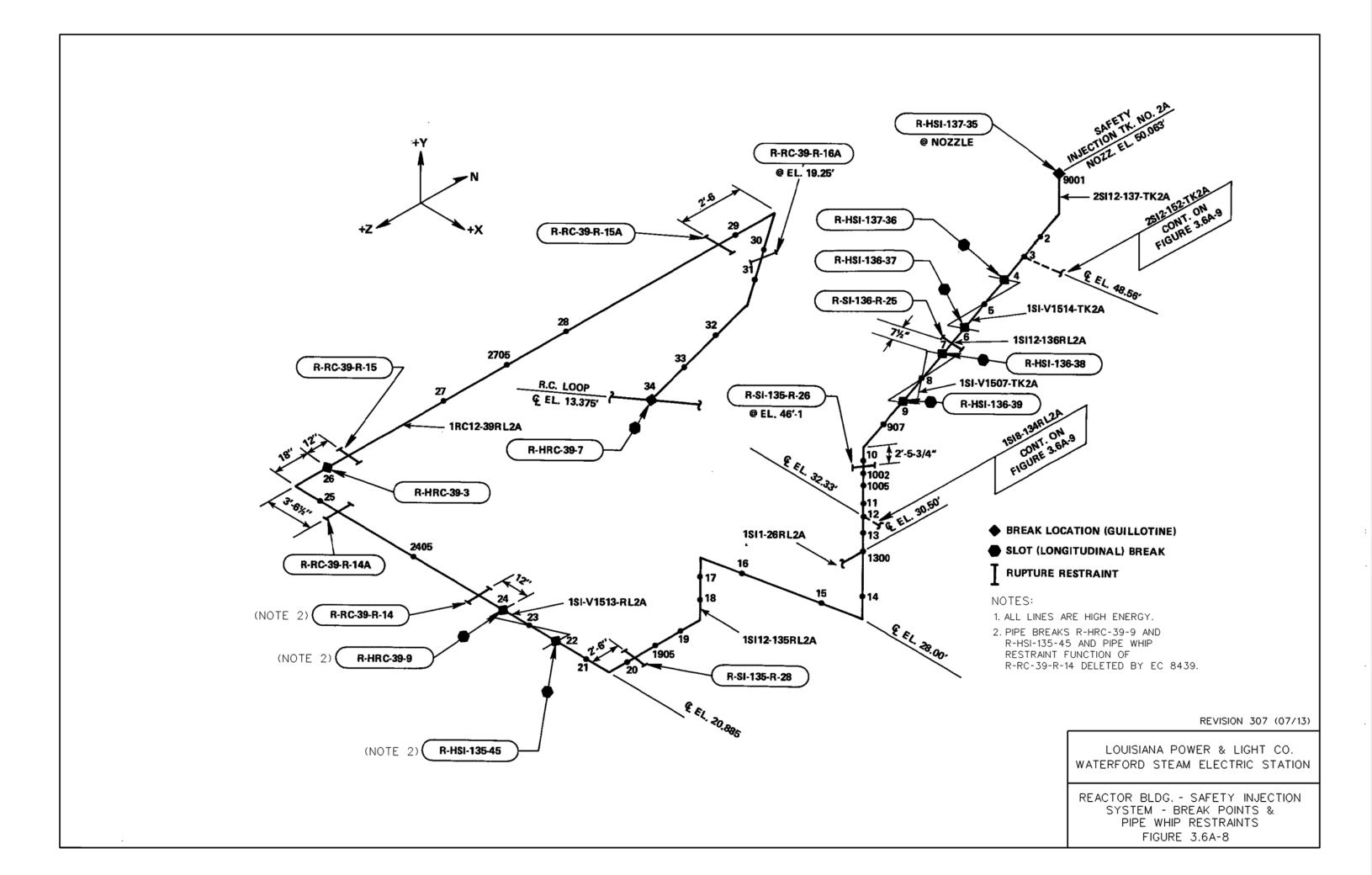


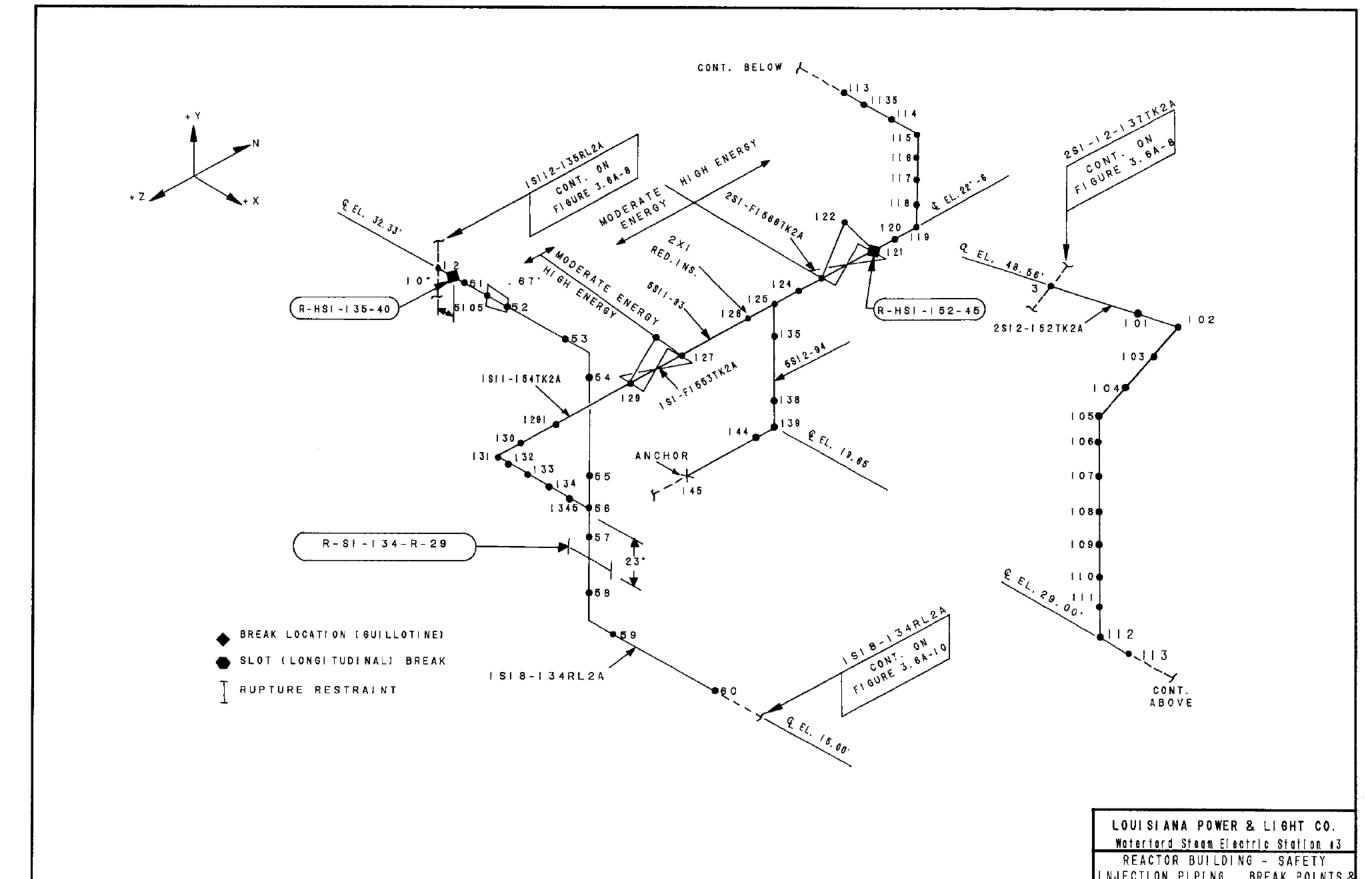
LOUISIANA
POWER & LIGHT CO.
Waterford Steam
Electric Station

REACTOR BLDG.
REACTOR COOLANT PIPING
BREAKPOINTS & PIPEWHIP RESTRAINTS

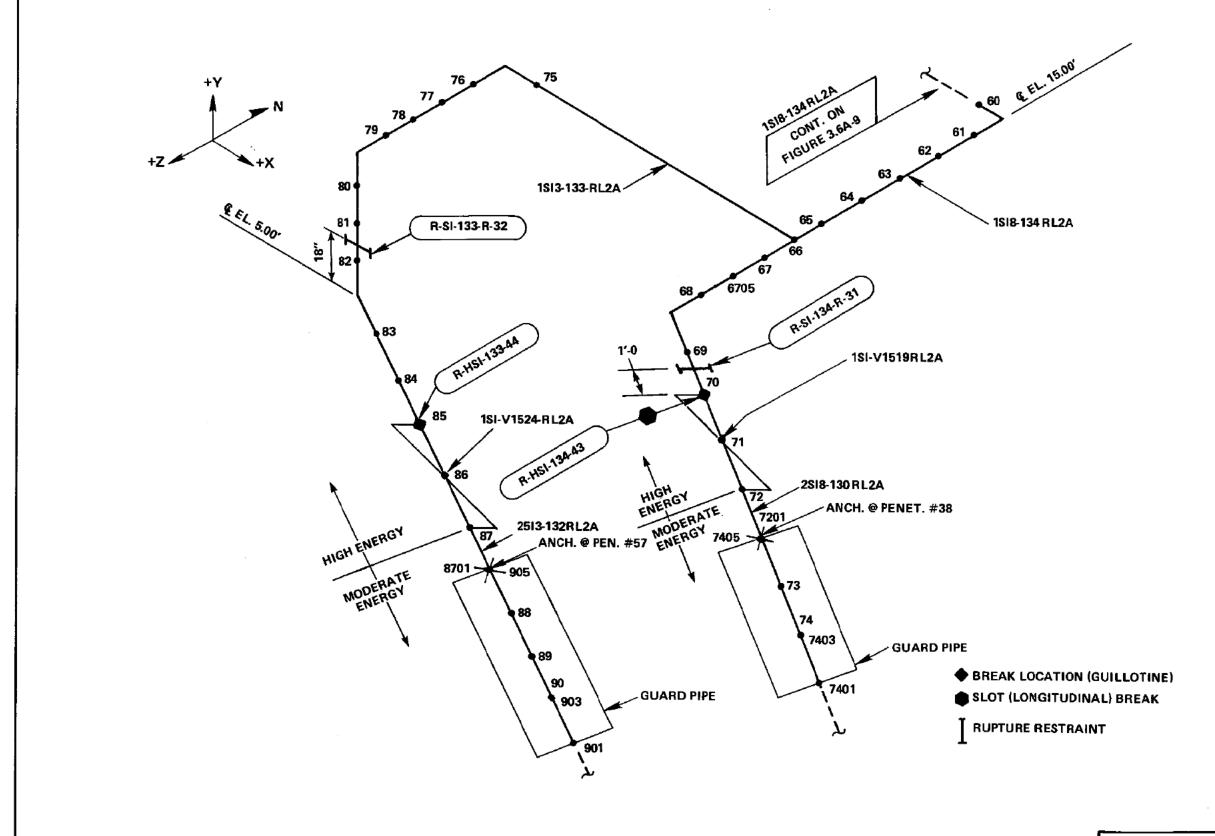
Figure

3.6A - 7



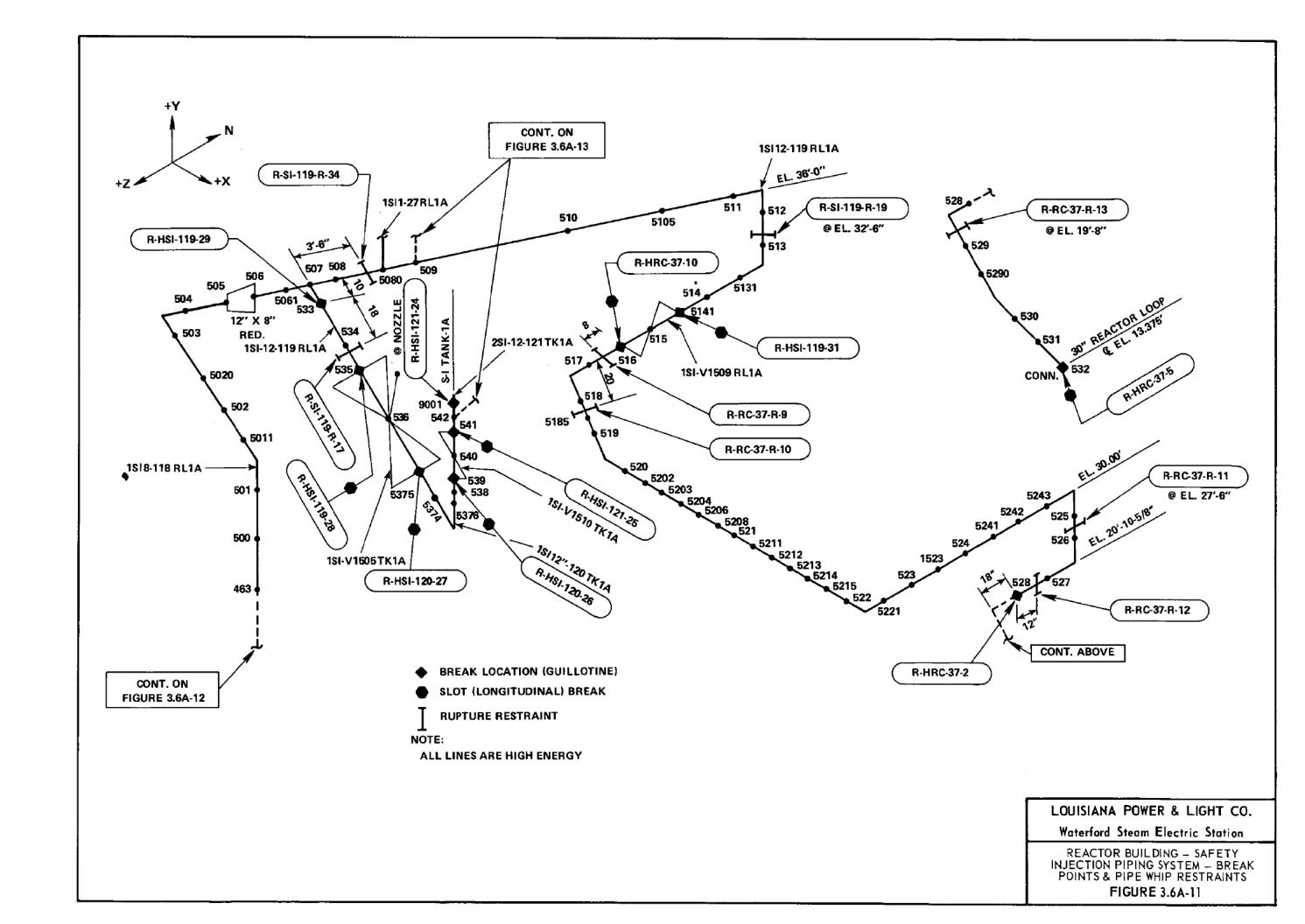


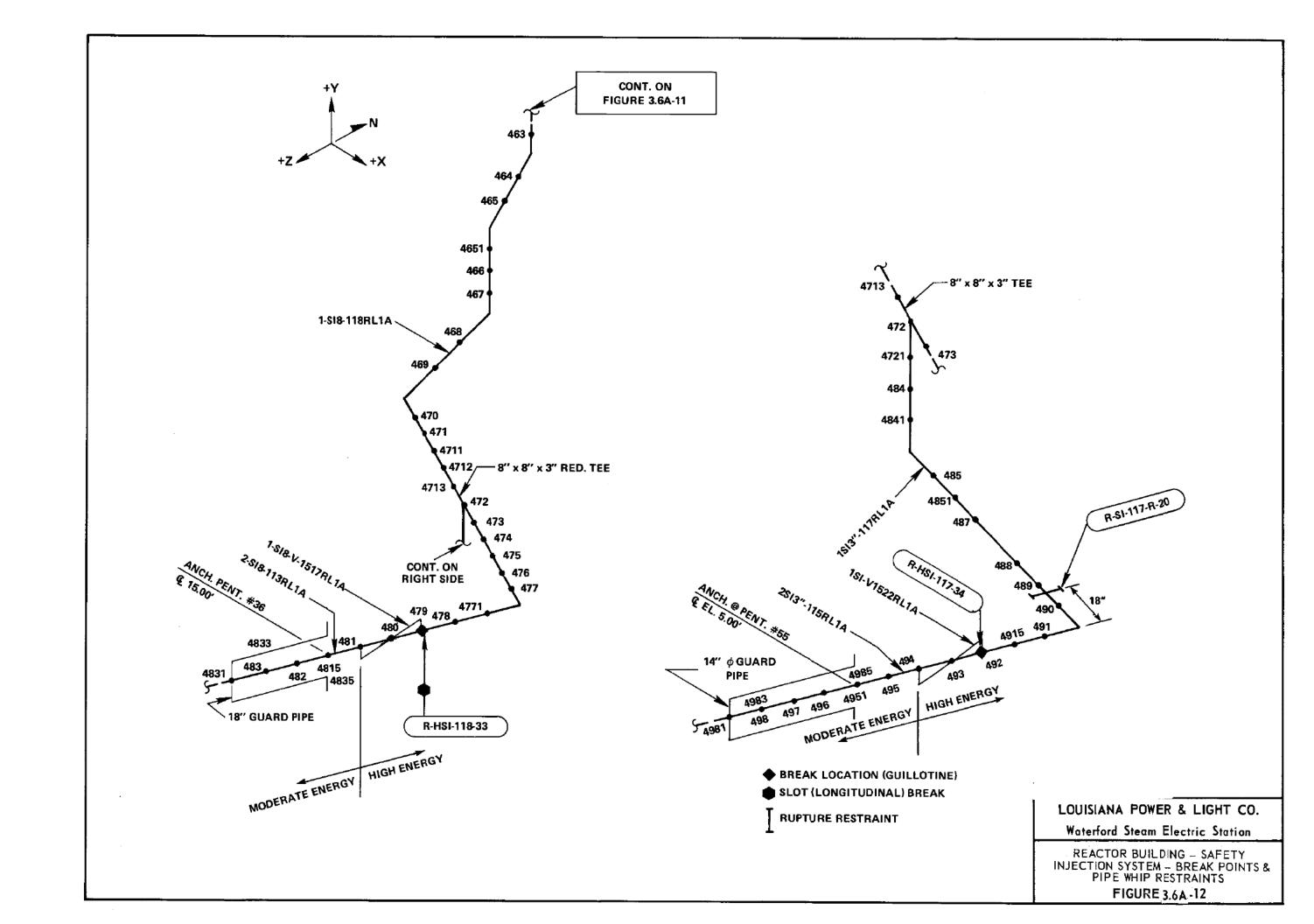
INJECTION PIPING _ BREAK POINTS & PIPE WHIP RESTRAINTS FIGURE 3.6A-9

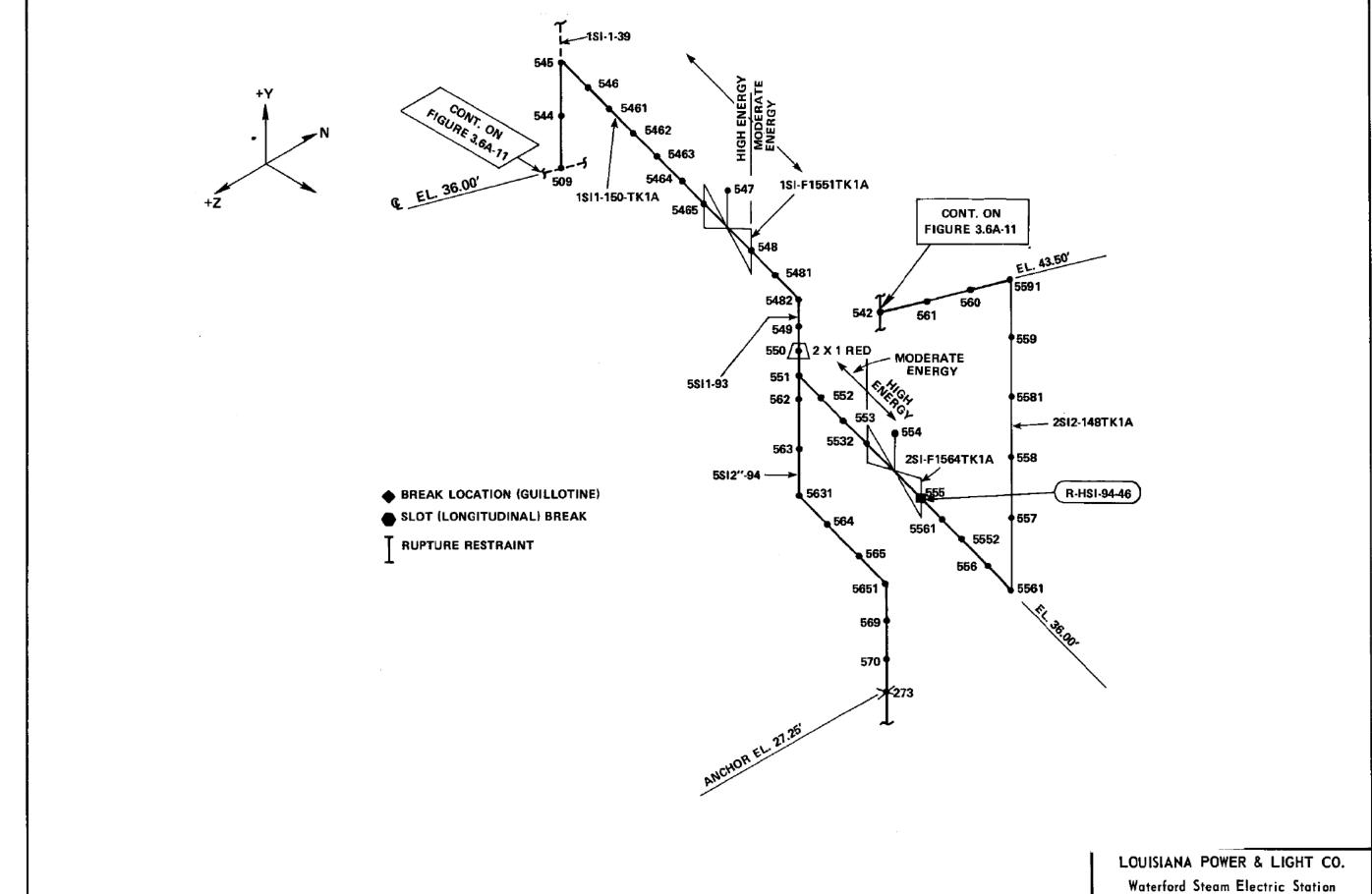


Waterford Steam Electric Station

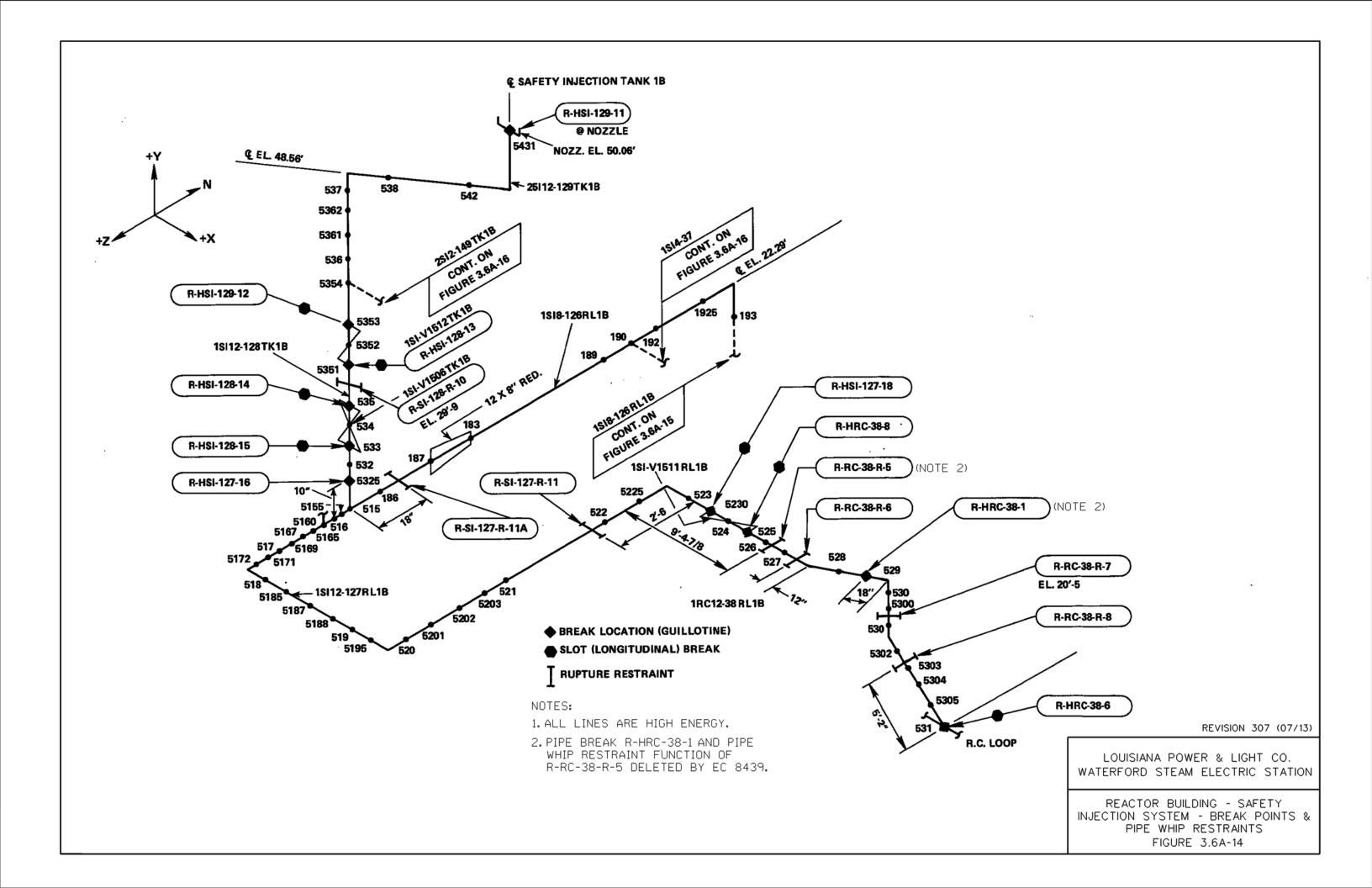
REACTOR BUILDING – SAFETY
INJECTION PIPING – BREAK POINTS &
PIPE WHIP RESTRAINTS
FIGURE 3.6A-10

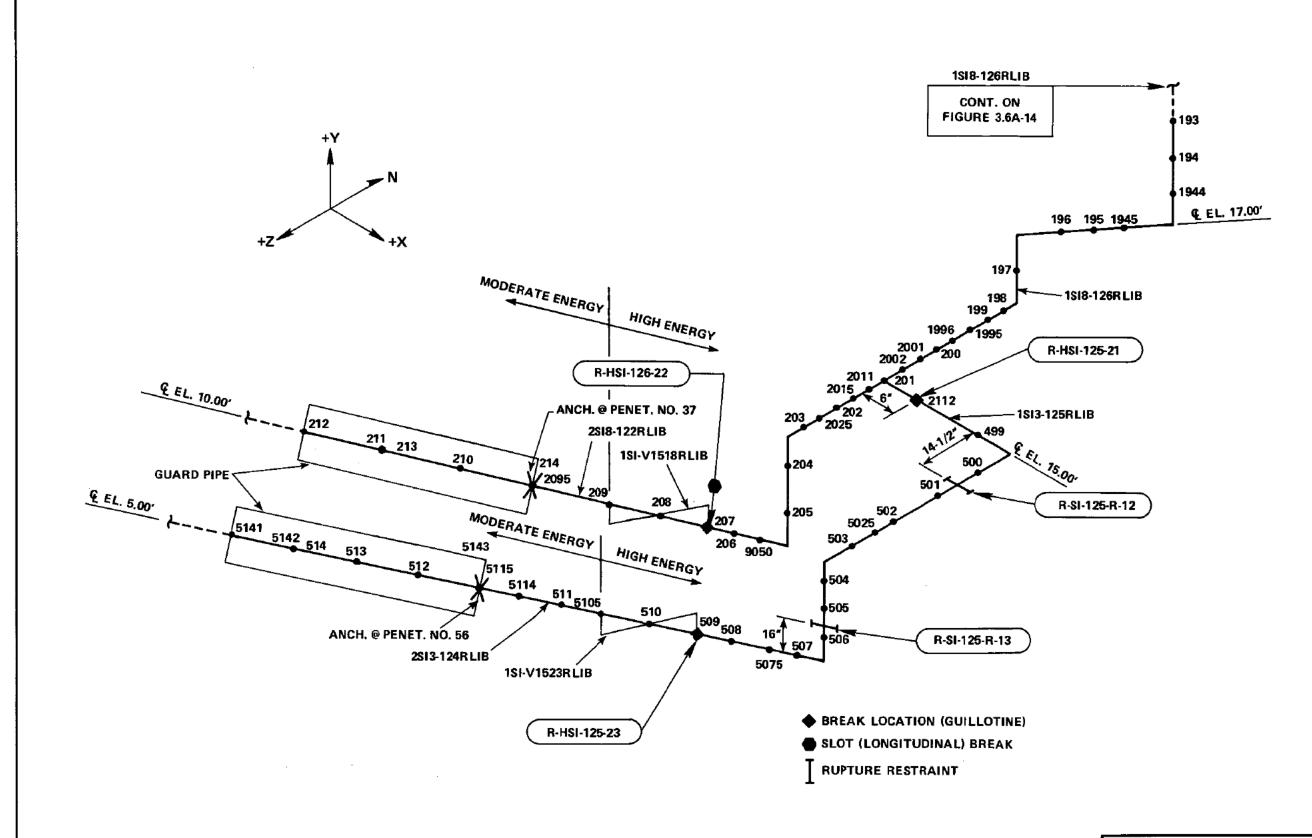






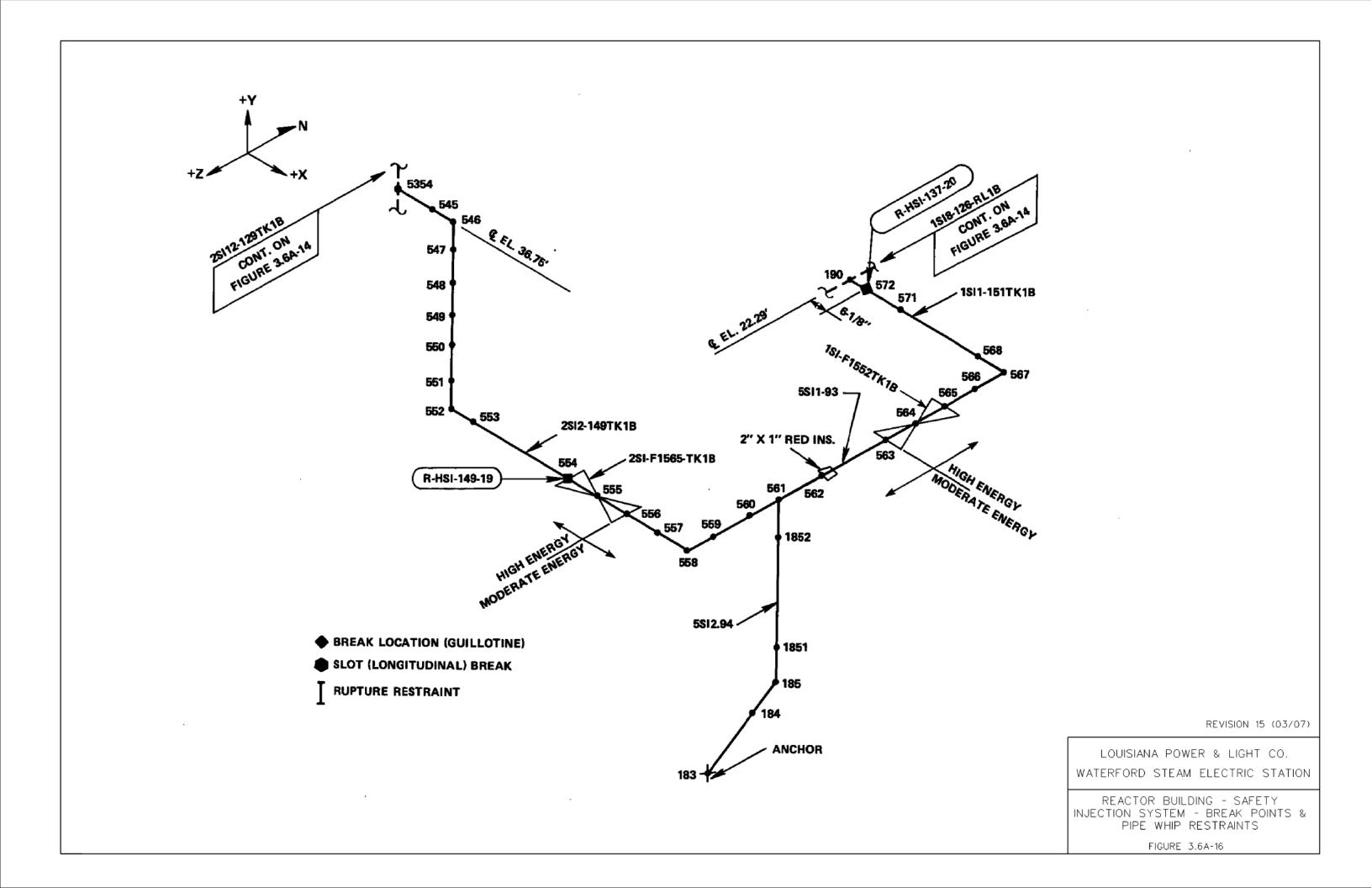
REACTOR BUILDING - SAFETY
INJECTION SYSTEM - BREAK POINTS &
PIPE WHIP RESTRAINTS FIGURE 3.6A-13

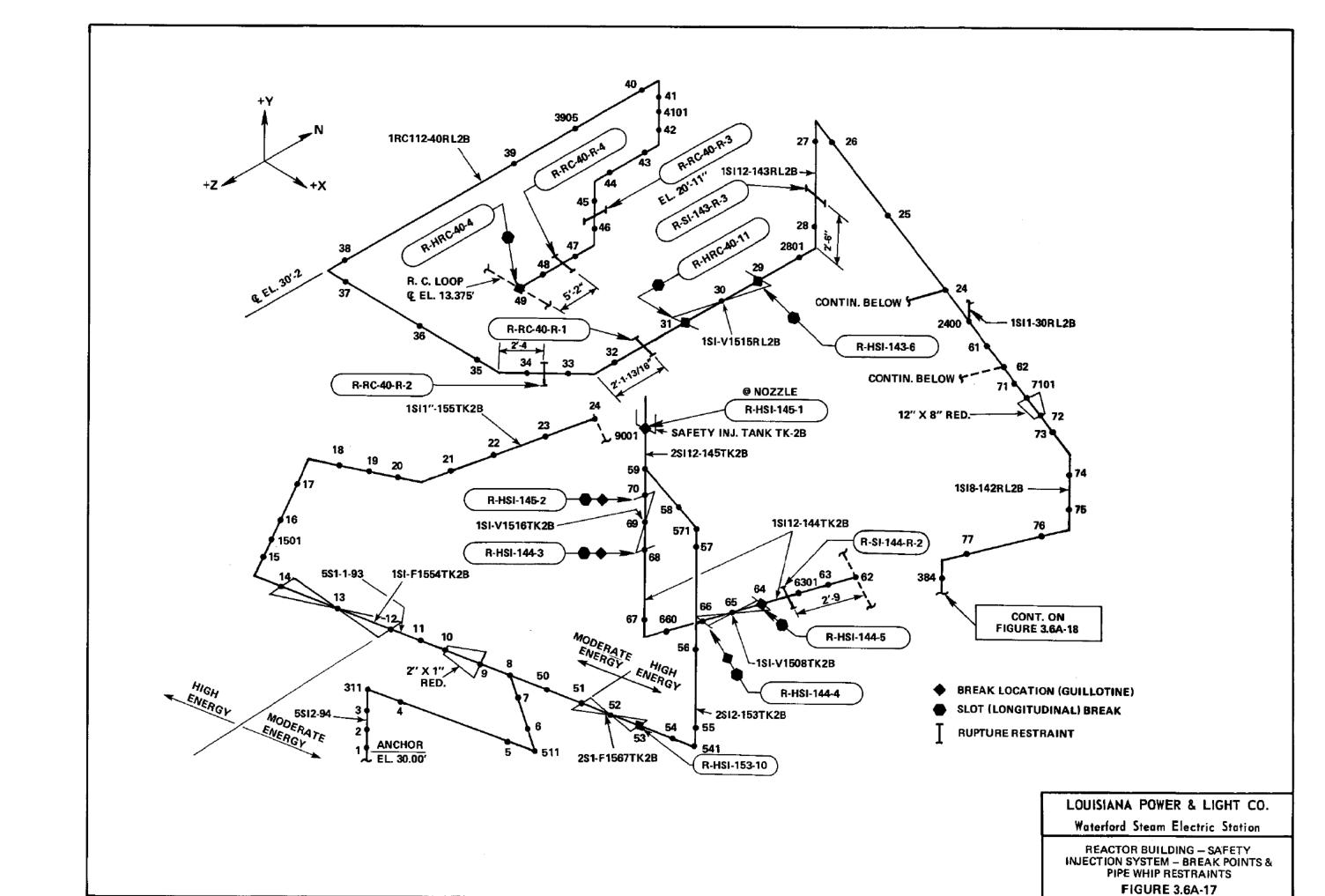


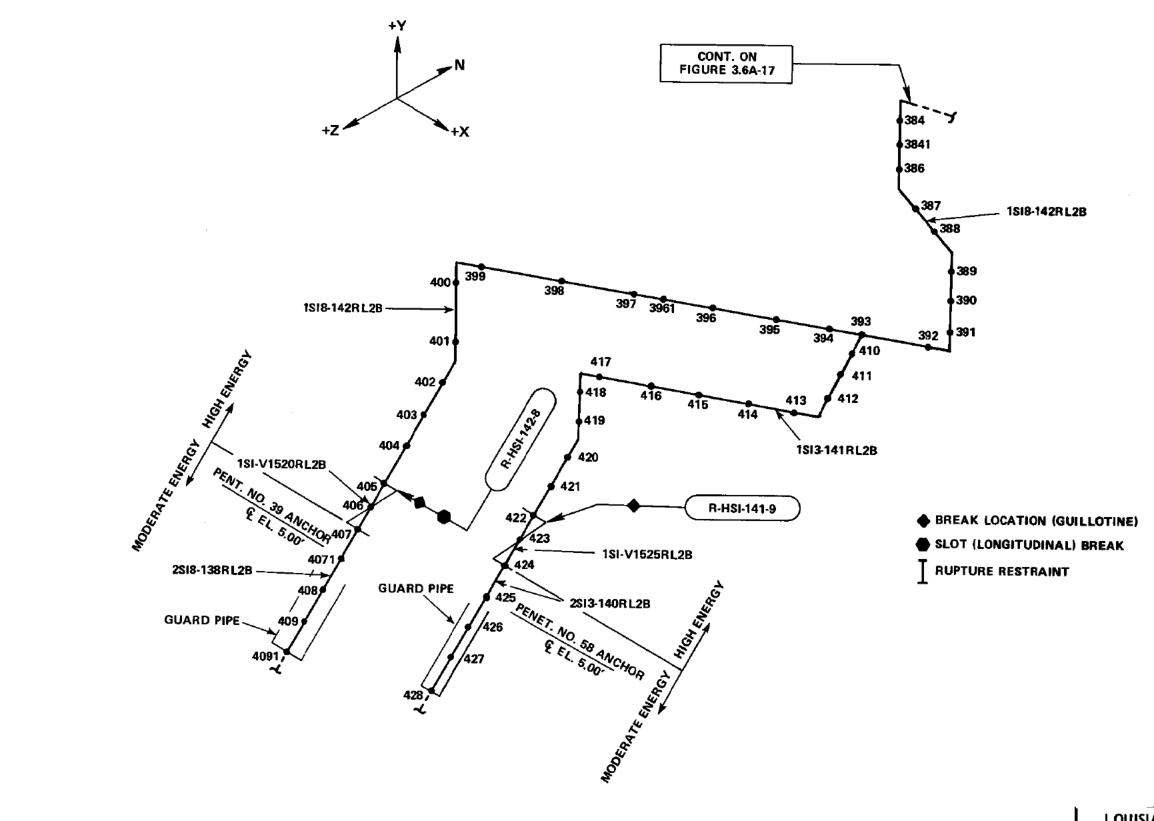


Waterford Steam Electric Station

REACTOR BUILDING - SAFETY
INJECTION SYSTEM - BREAK POINTS &
PIPE WHIP RESTRAINTS
FIGURE 3.6A-15

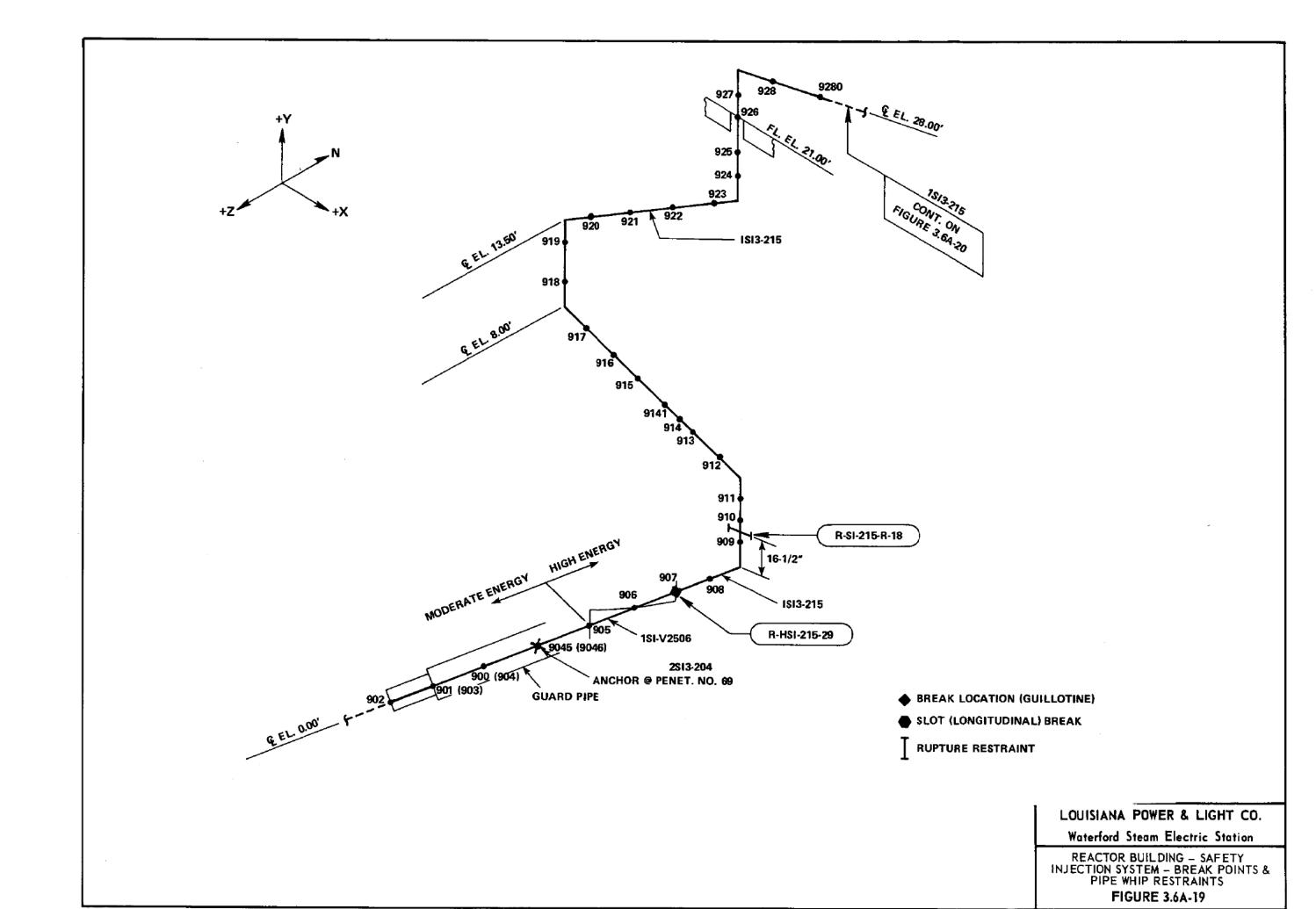


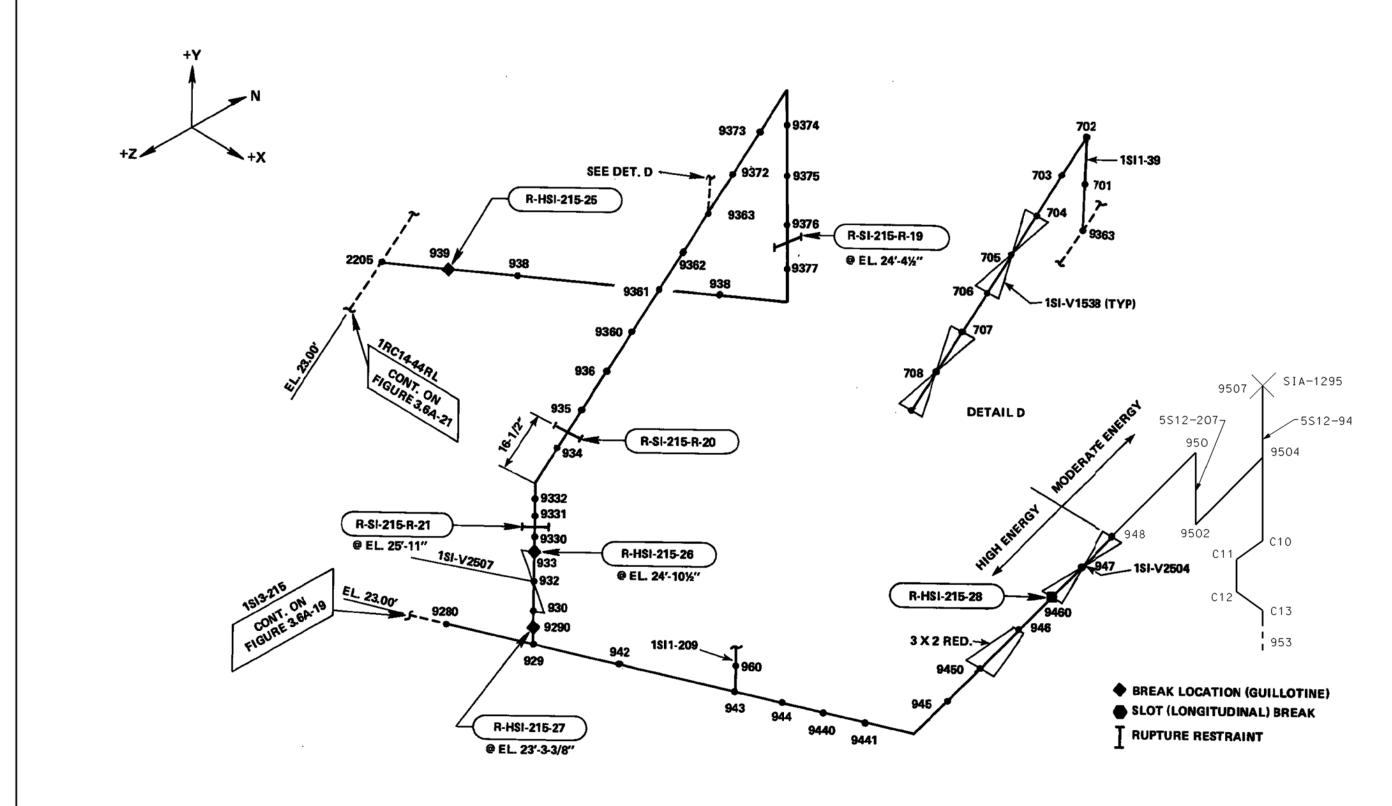




Waterford Steam Electric Station

REACTOR BUILDING - SAFETY
INJECTION SYSTEM - BREAK POINTS &
PIPE WHIP RESTRAINTS

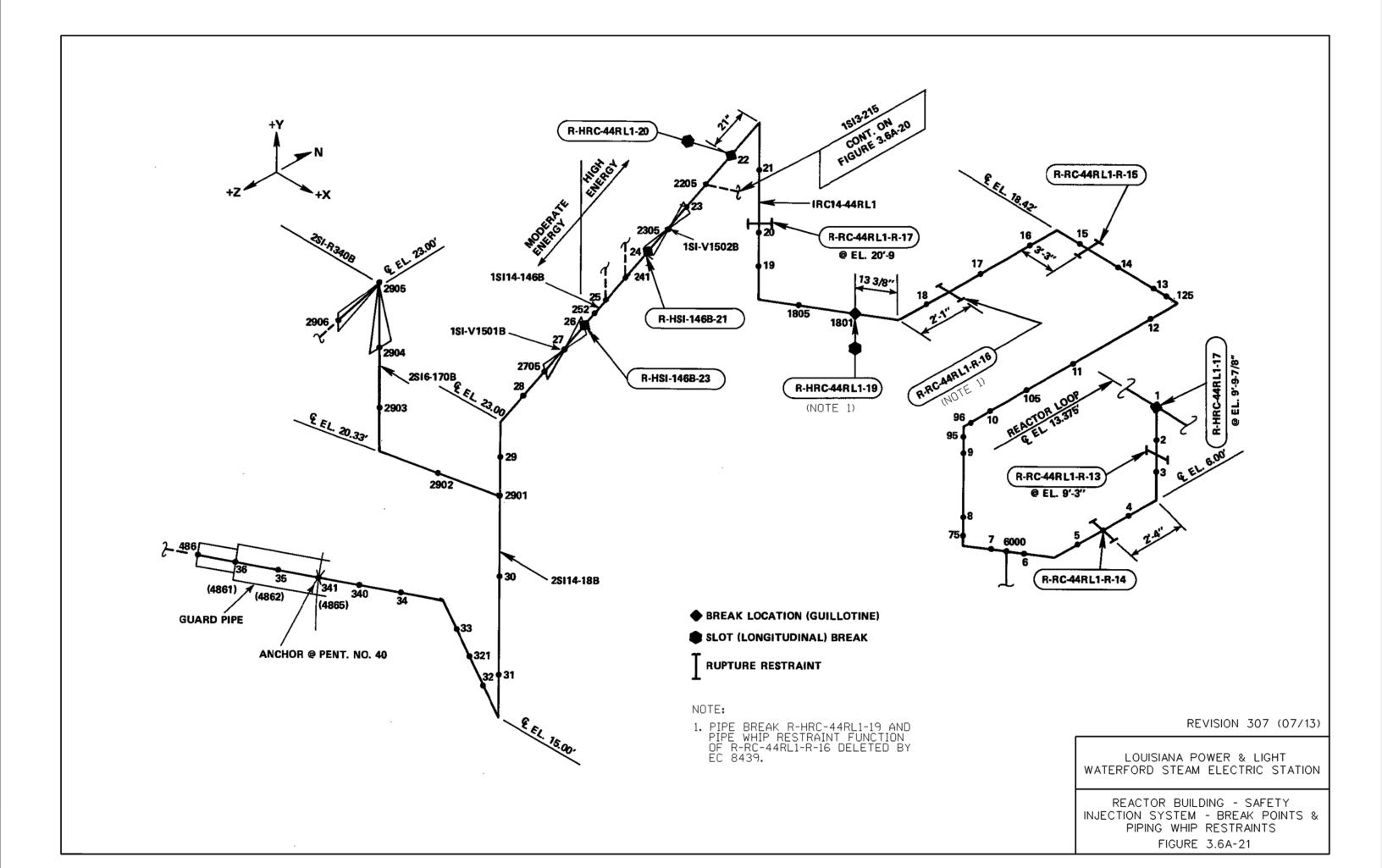


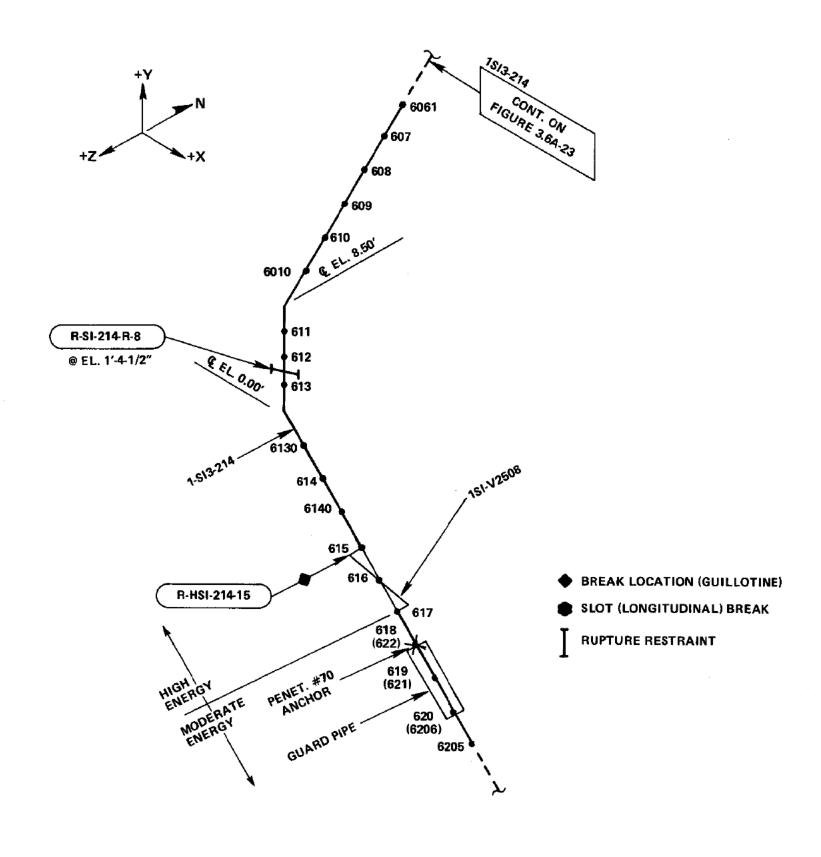


REVISION 307 (07/13)

LOUISIANA POWER & LIGHT CO. Waterford Steam Electric Station

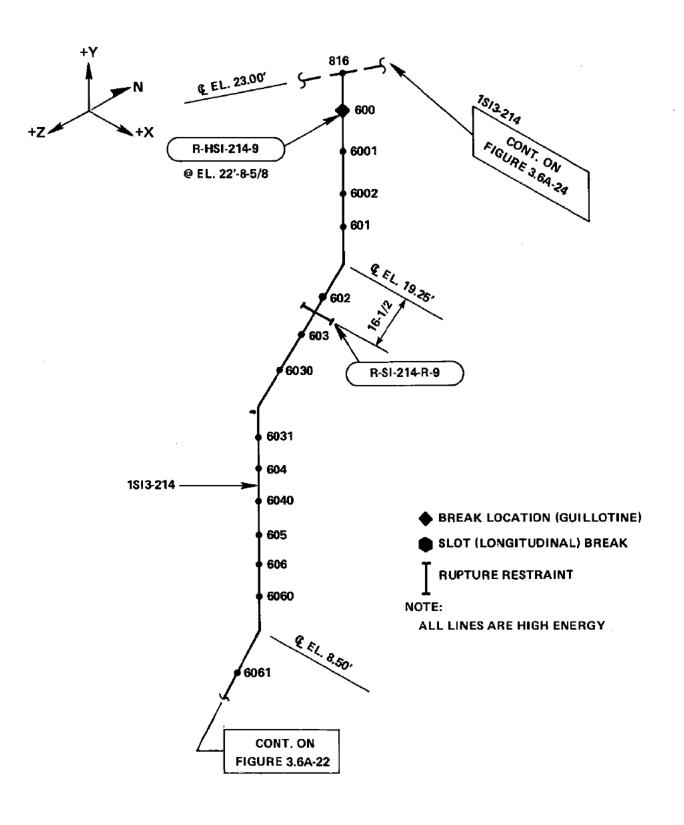
REACTOR BUILDING - SAFETY
INJECTION SYSTEM - BREAK POINTS
& PIPE WHIP RESTRAINTS
FIGURE 3.6A-20





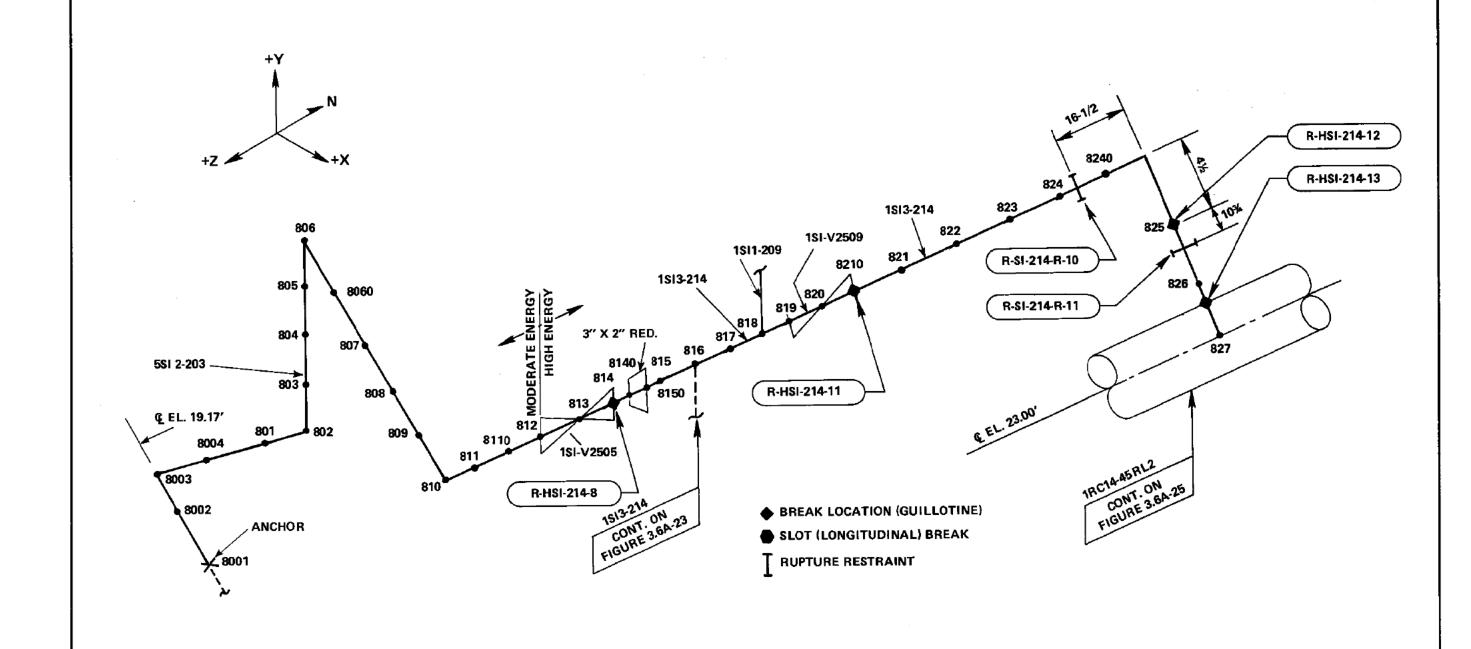
Waterford Steam Electric Station

REACTOR BUILDING - SAFETY
INJECTION SYSTEM - BREAK POINTS &
PIPE WHIP RESTRAINTS



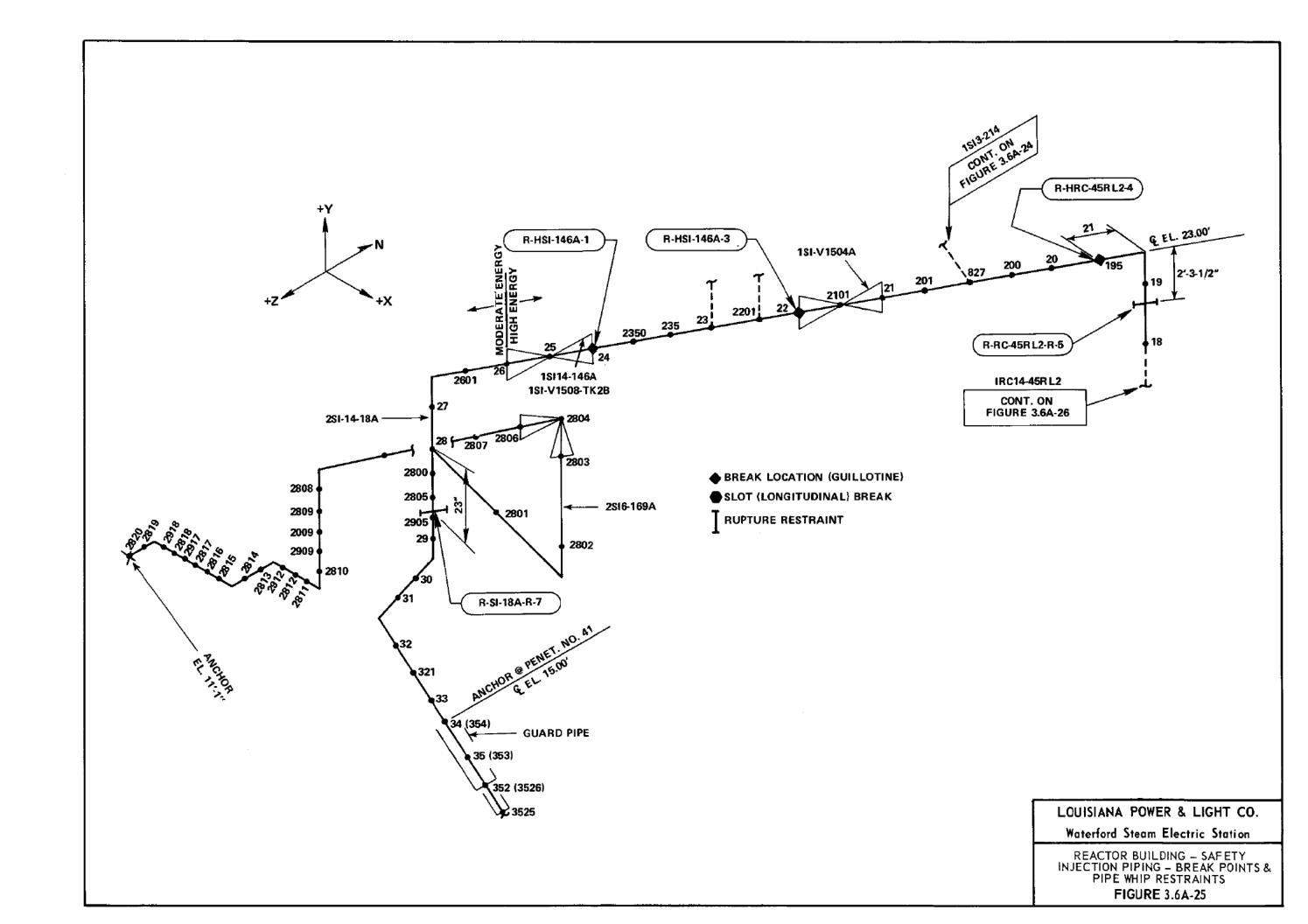
Waterford Steam Electric Station

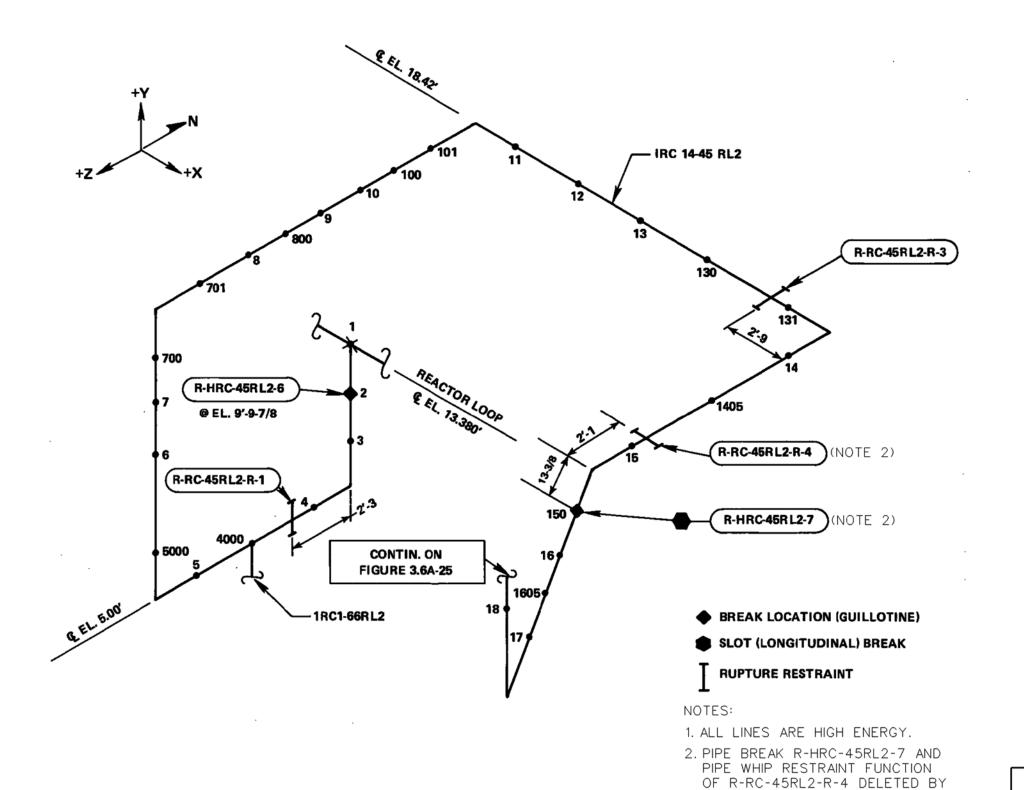
REACTOR BUILDING - SAFETY
INJECTION SYSTEM - BREAK POINTS &
PIPE WHIP RESTRAINTS



Waterford Steam Electric Station

REACTOR BUILDING - SAFETY
INJECTION SYSTEM - BREAK POINTS &
PIPE WHIP RESTRAINTS



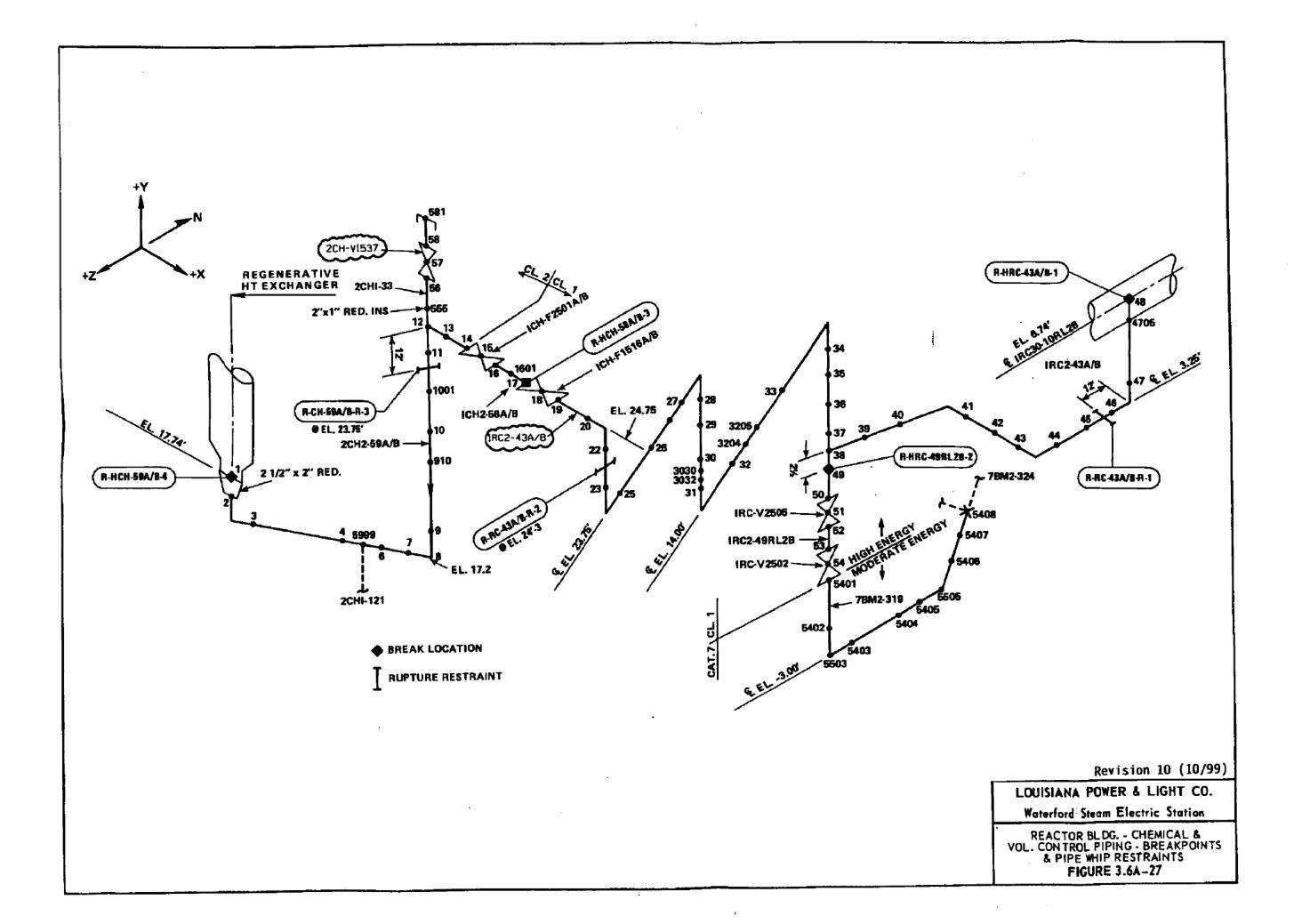


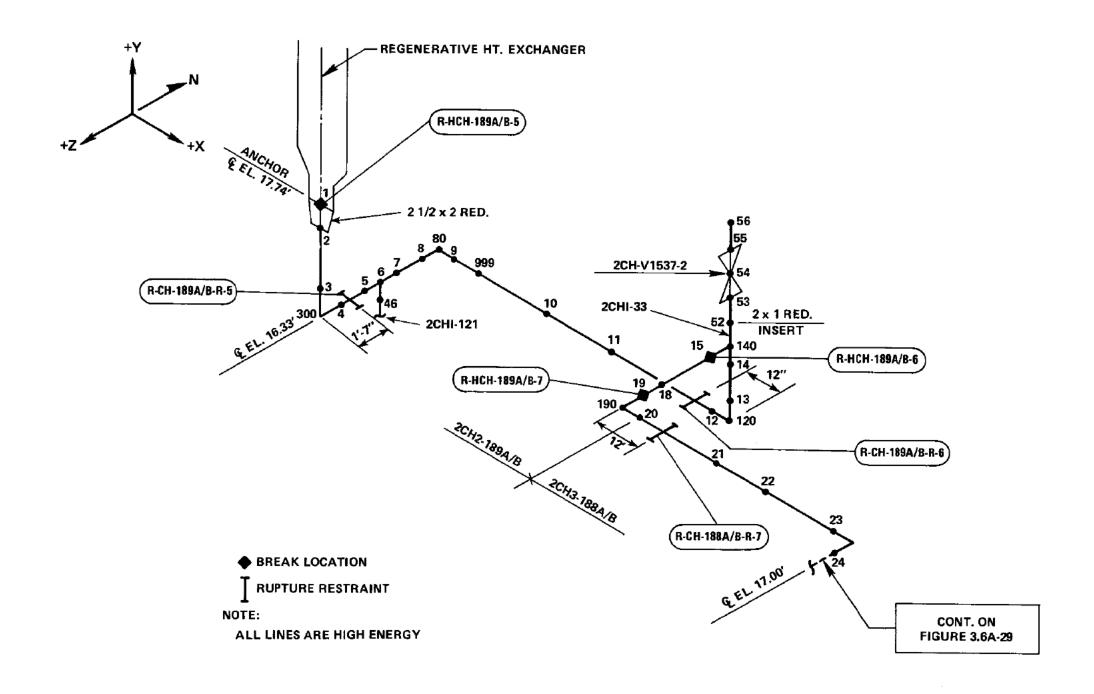
EC 8439.

REVISION 307 (07/13)

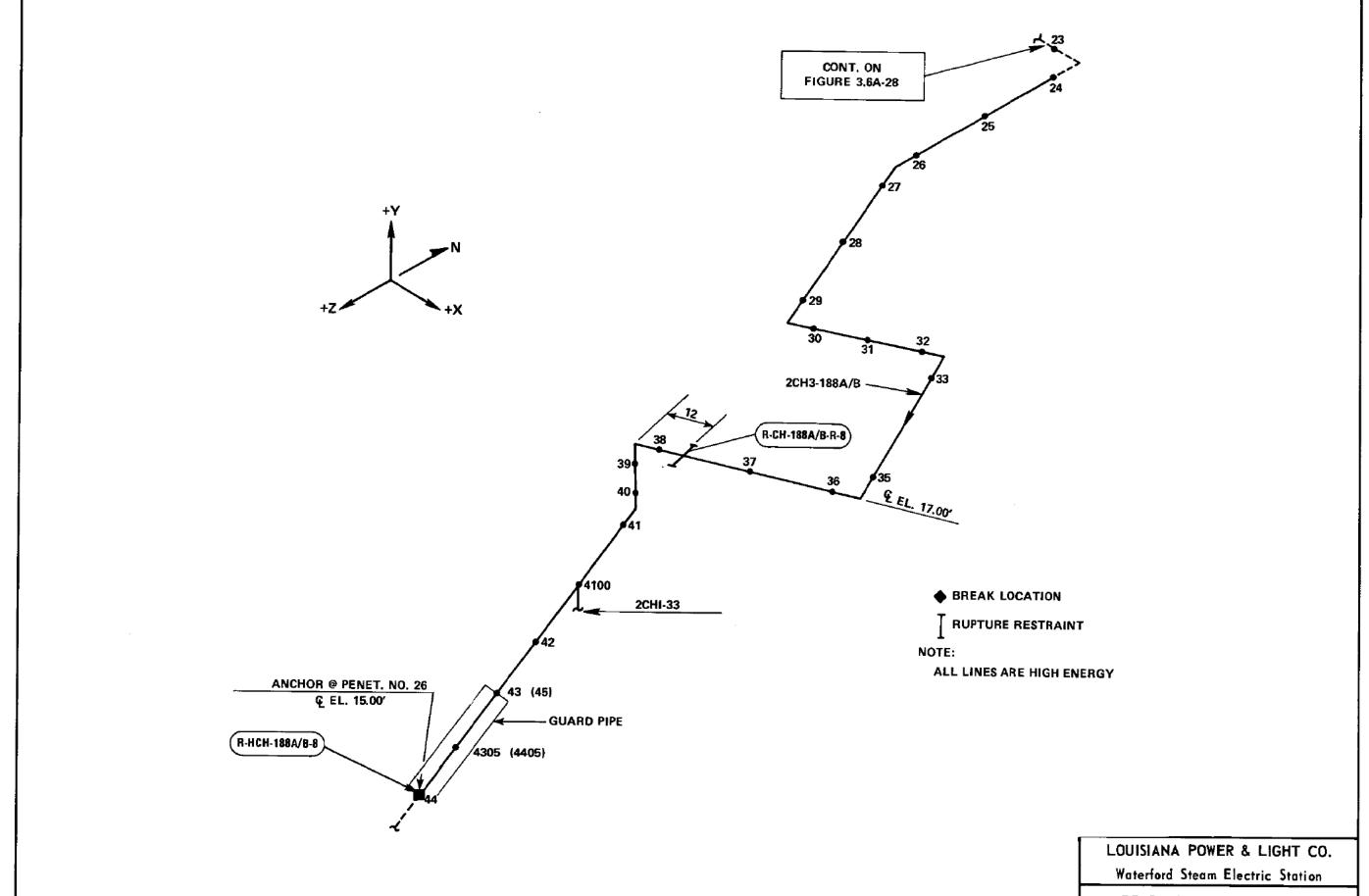
LOUISIANA POWER & LIGHT CO. WATERFORD STEAM ELECTRIC STATION

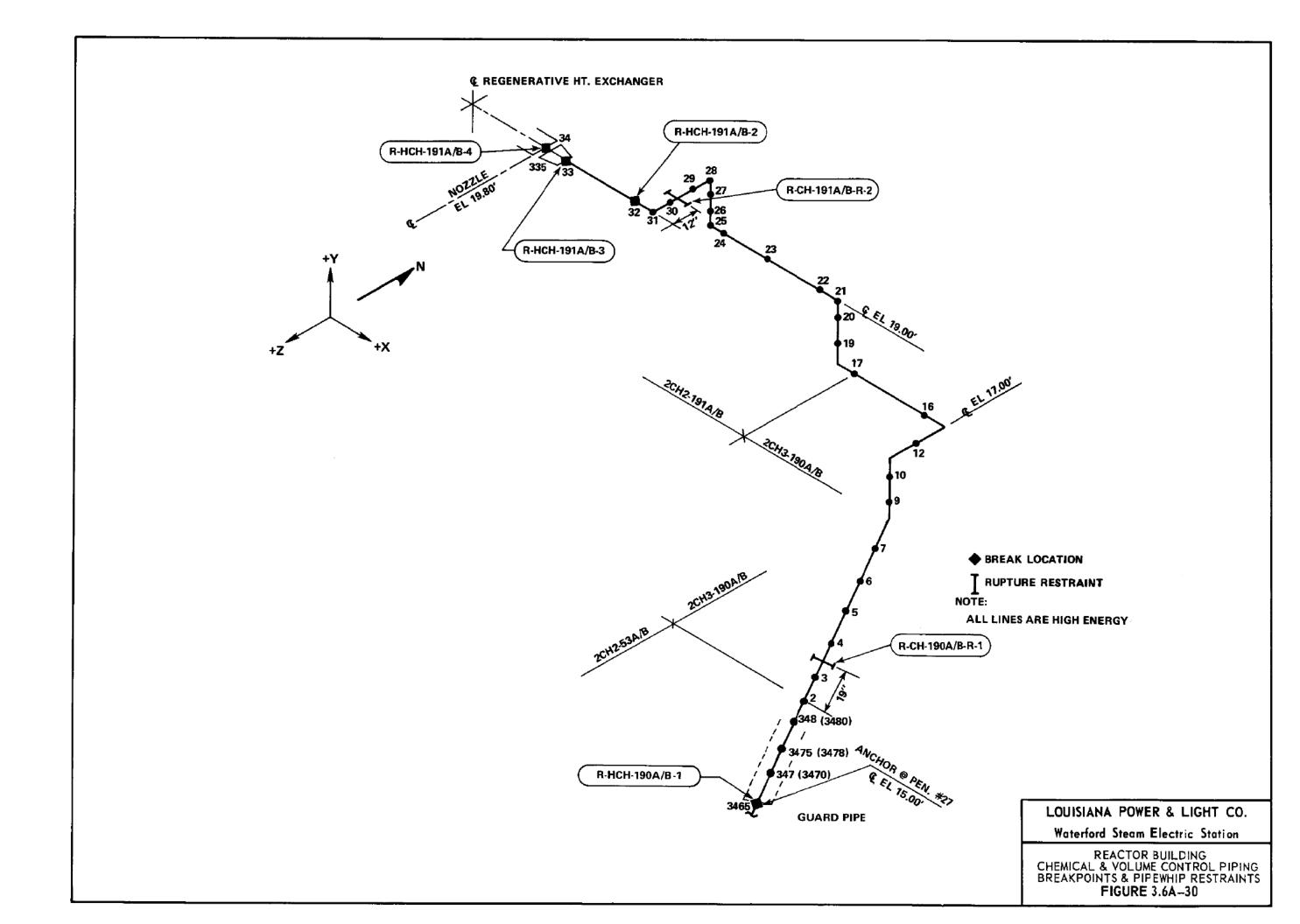
REACTOR BUILDING-SAFETY
INJECTION PIPING - BREAK POINTS
& PIPE WHIP RESTRAINTS
FIGURE 3.6A-26

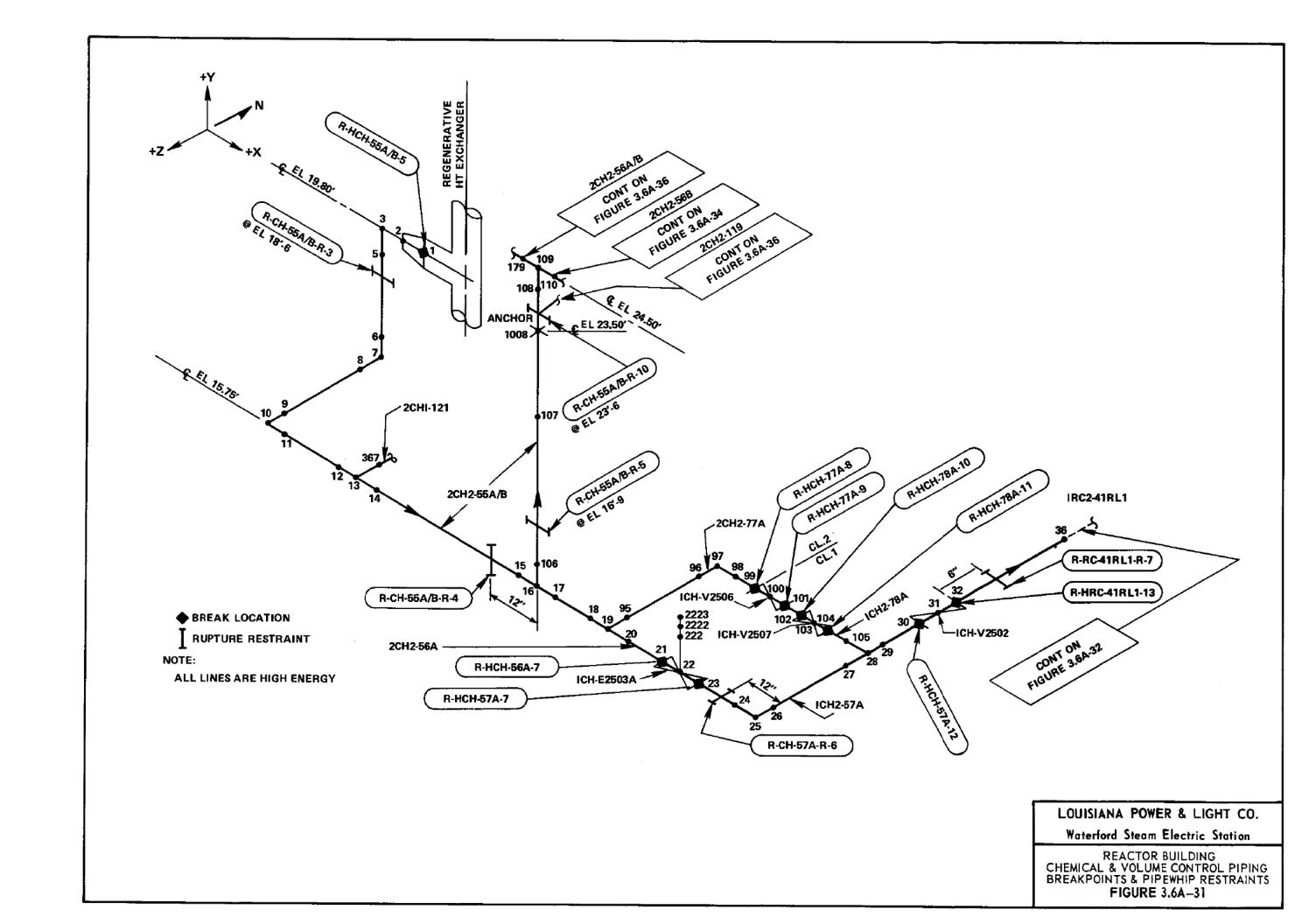


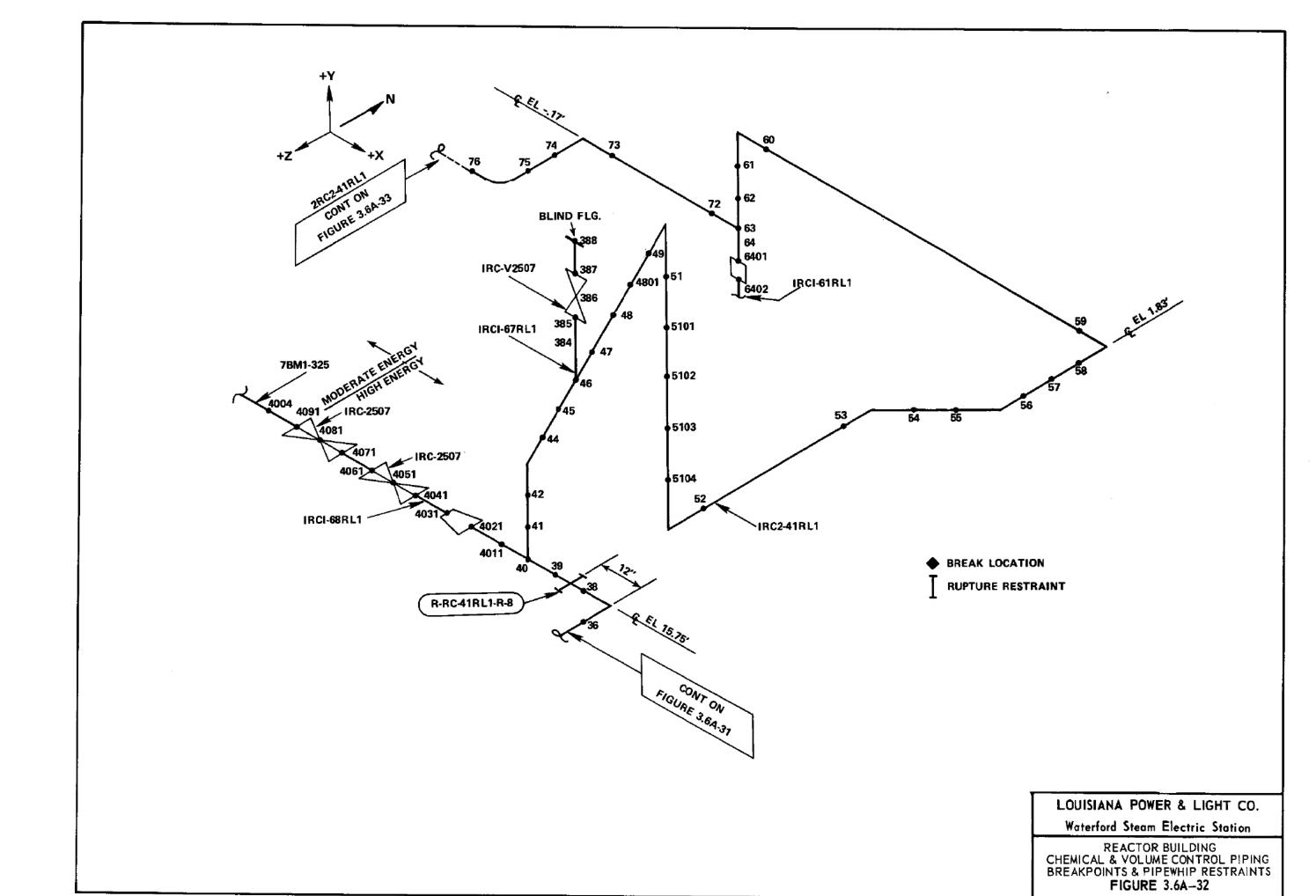


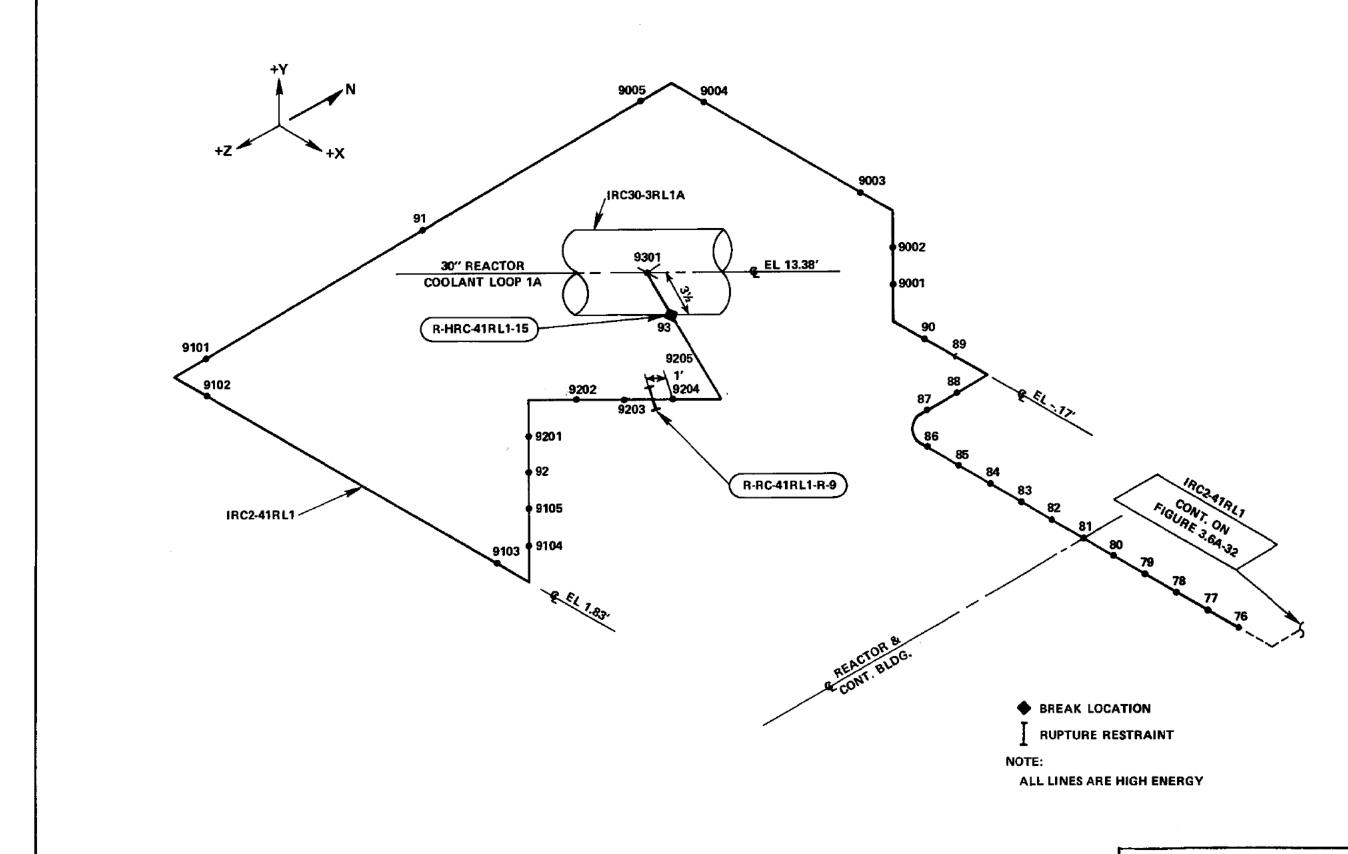
LOUISIANA POWER & LIGHT CO.
Waterford Steam Electric Station



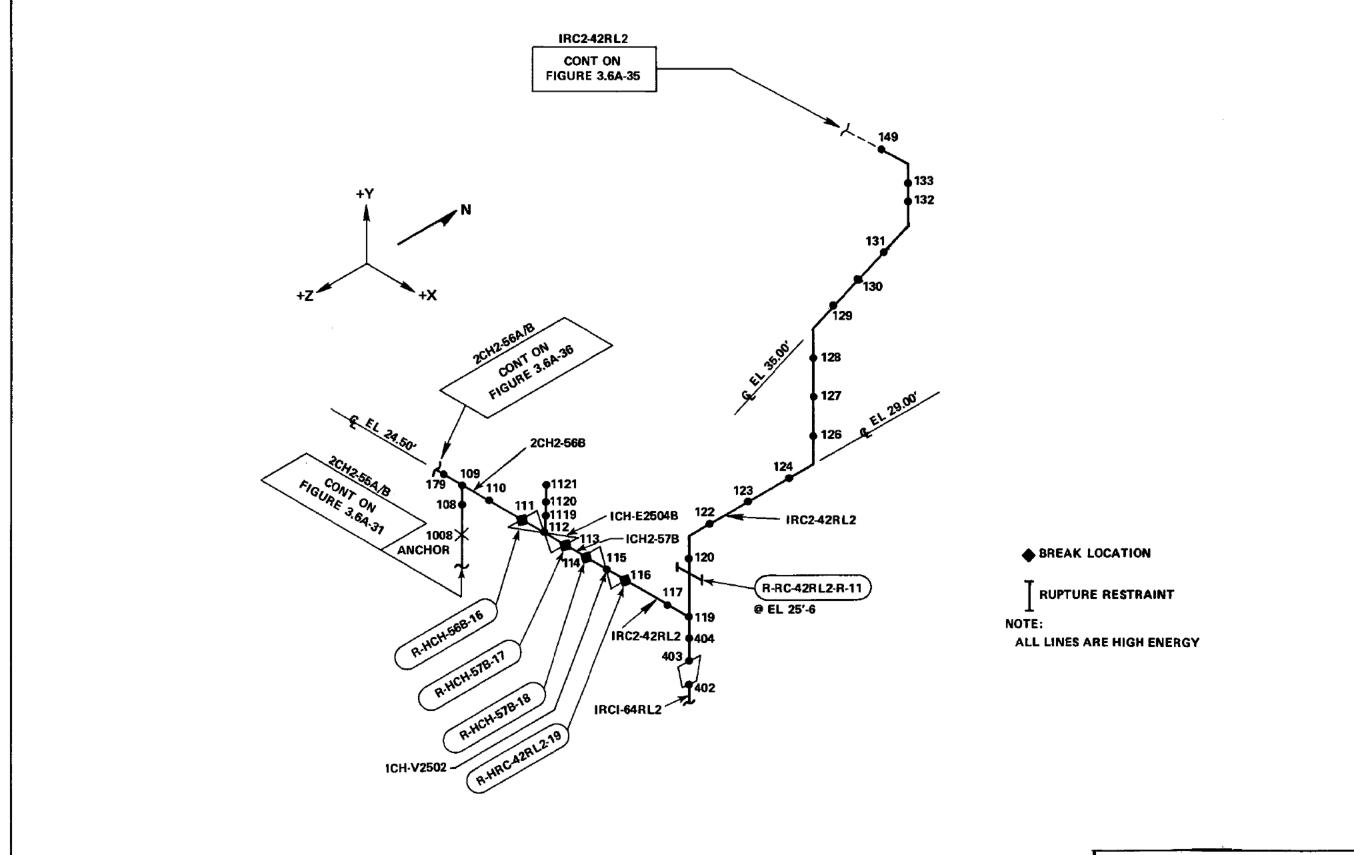




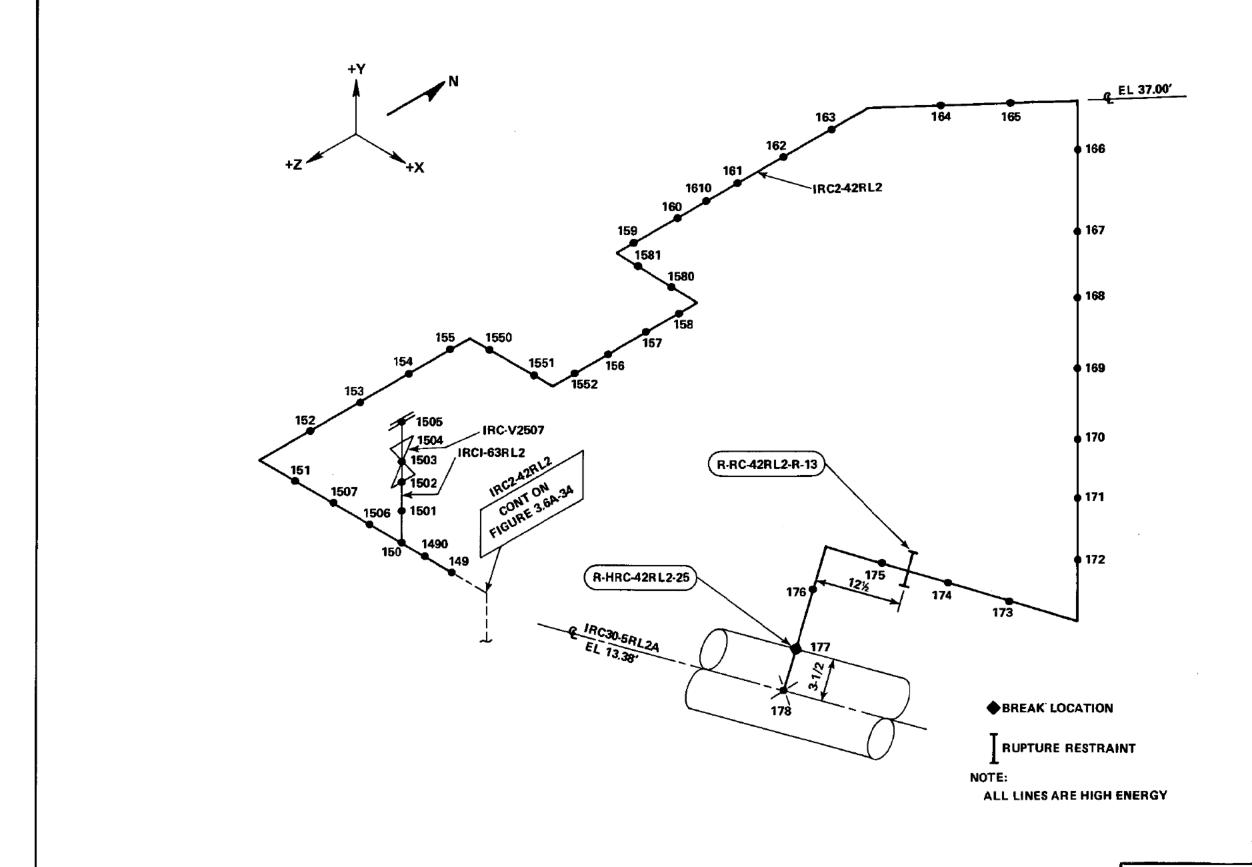




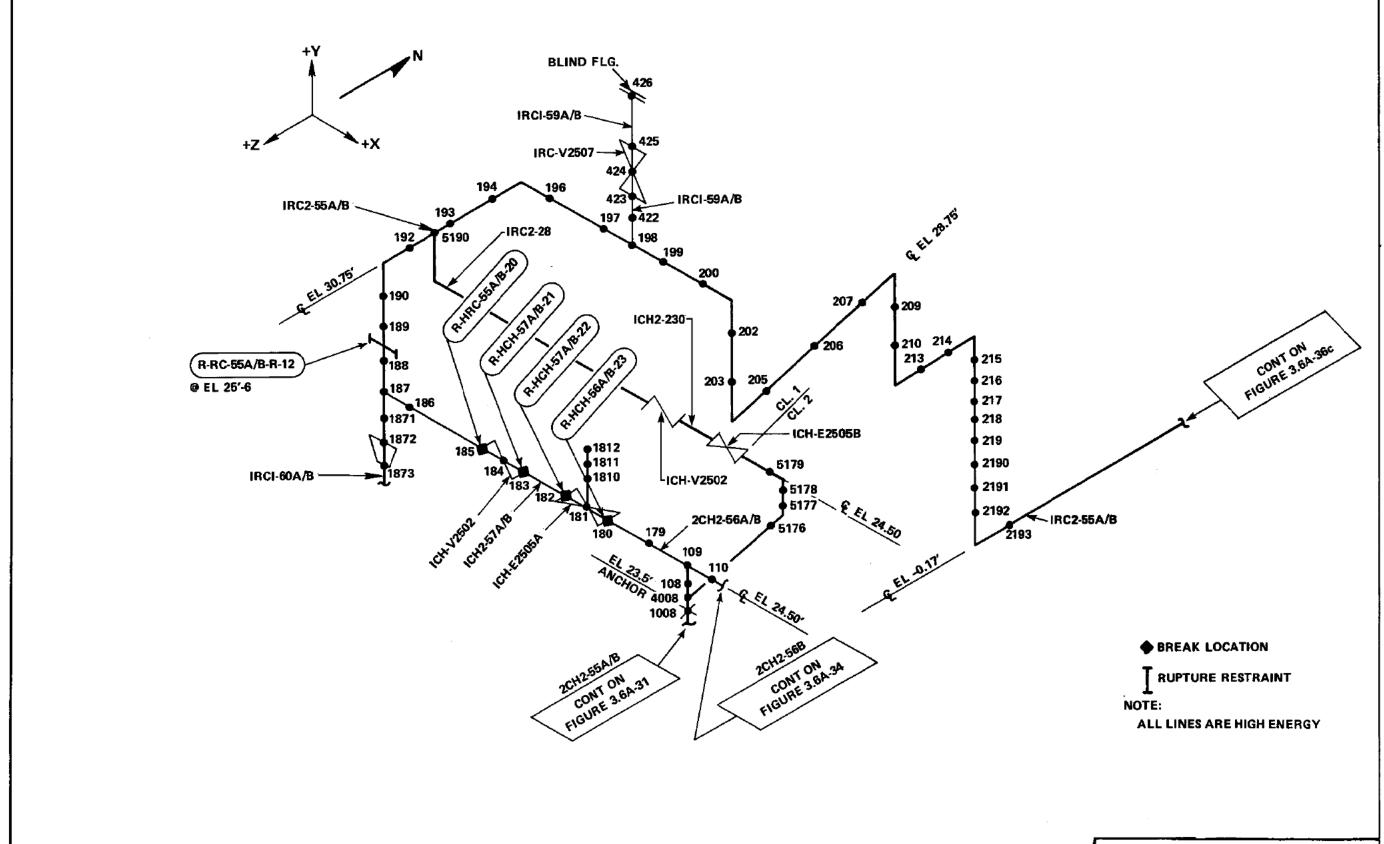
Waterford Steam Electric Station



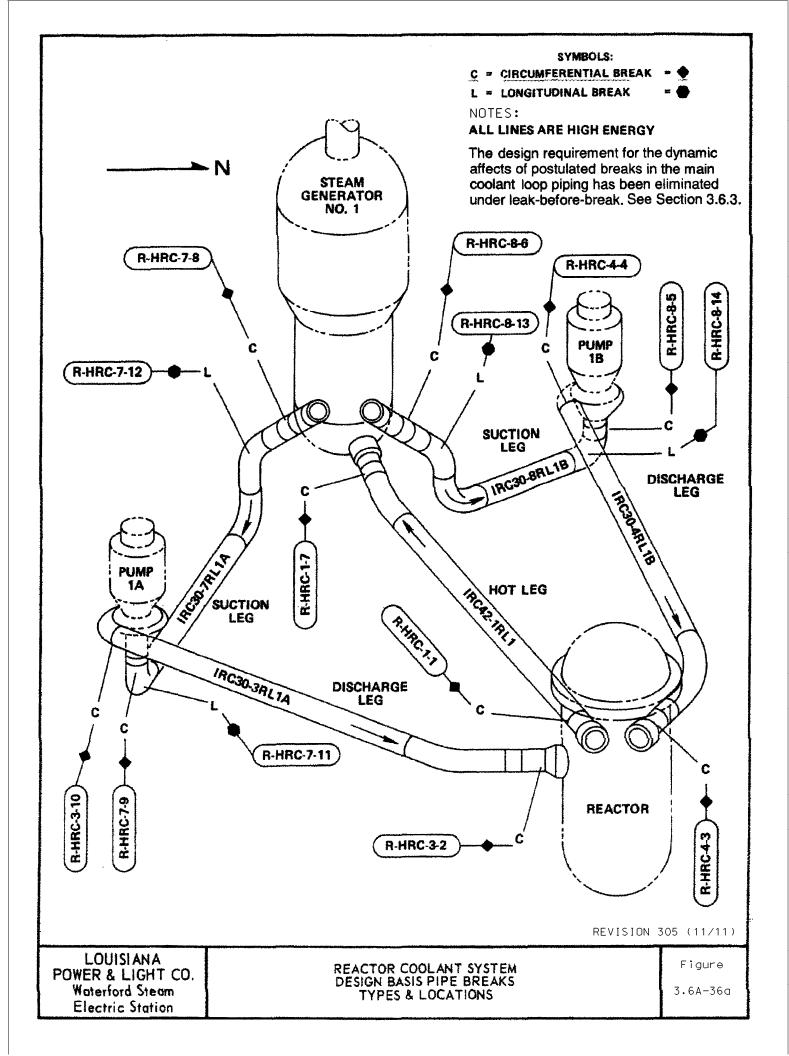
LOUISIANA POWER & LIGHT CO.
Waterford Steam Electric Station

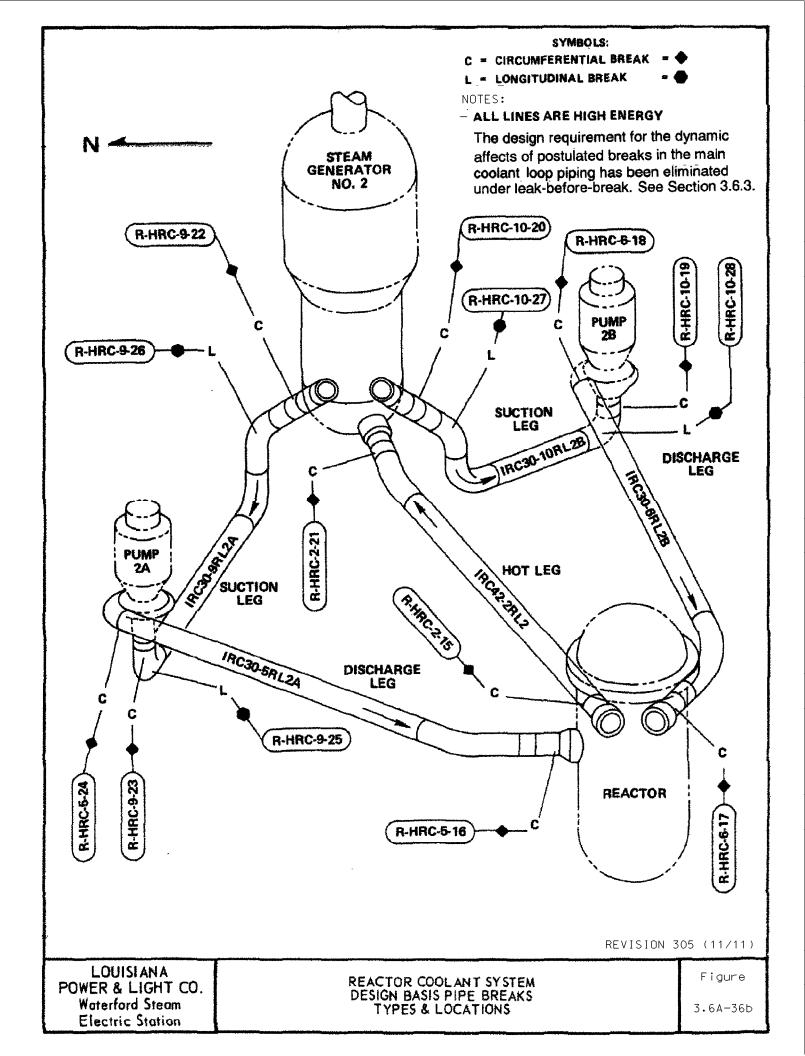


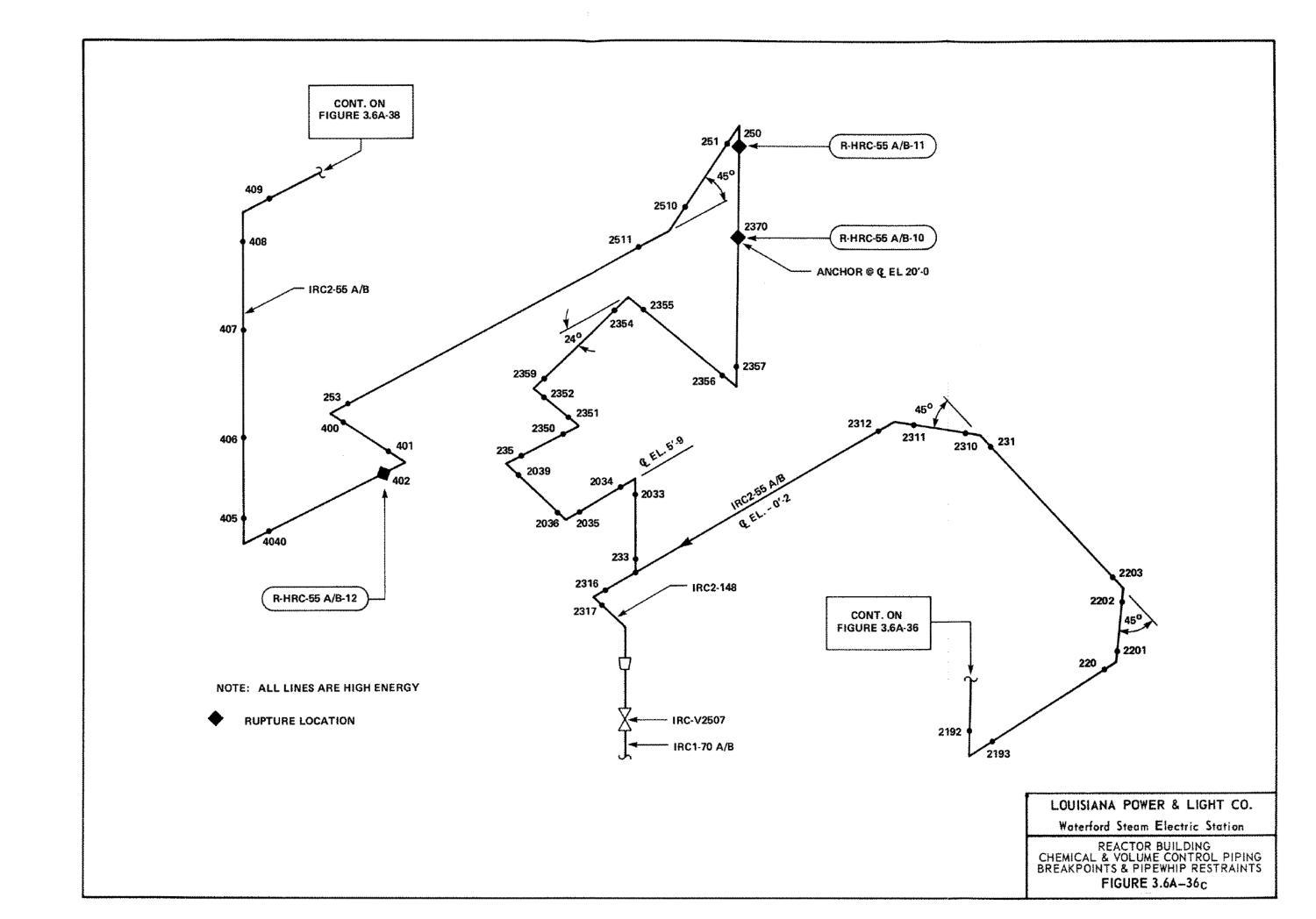
Waterford Steam Electric Station

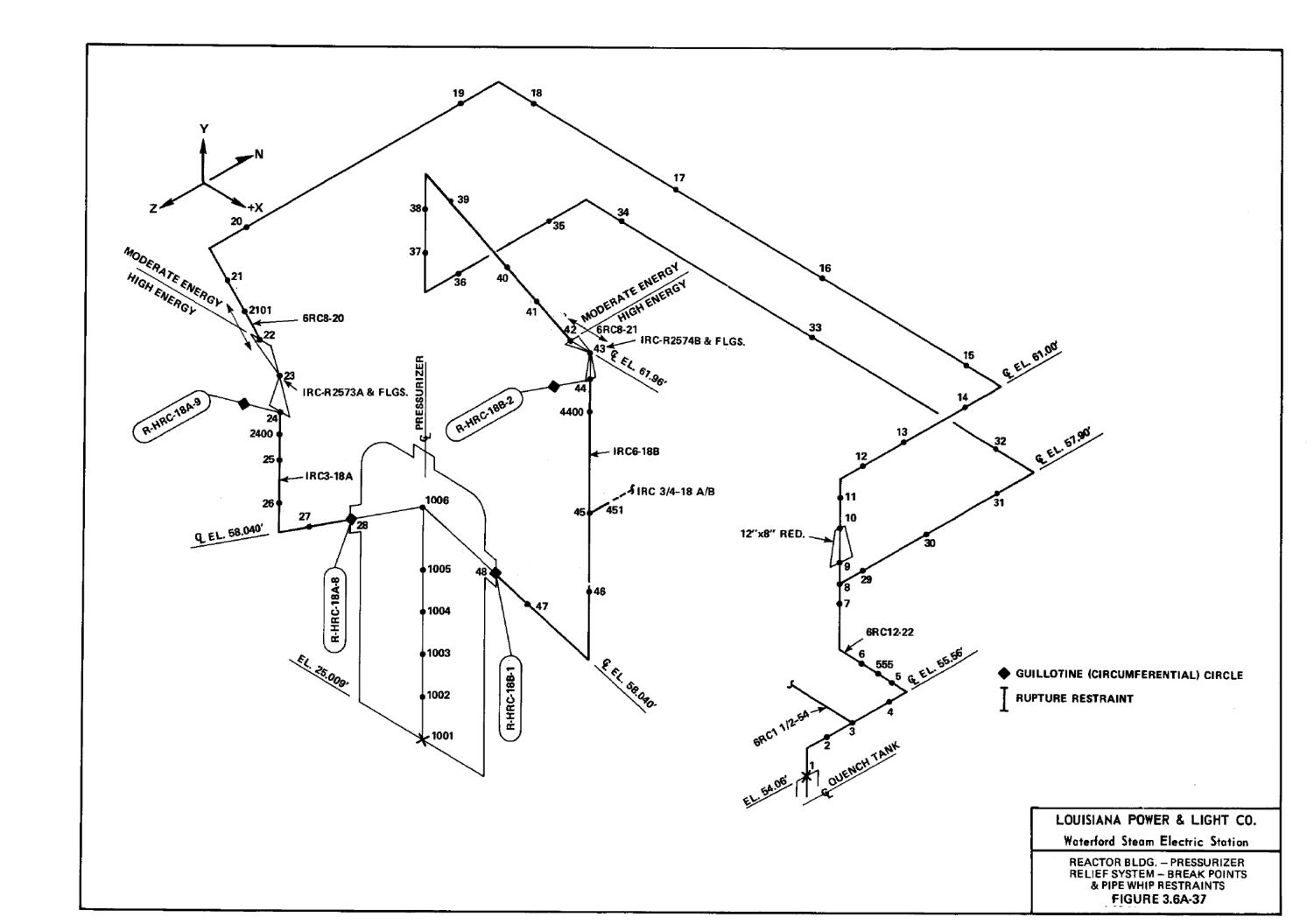


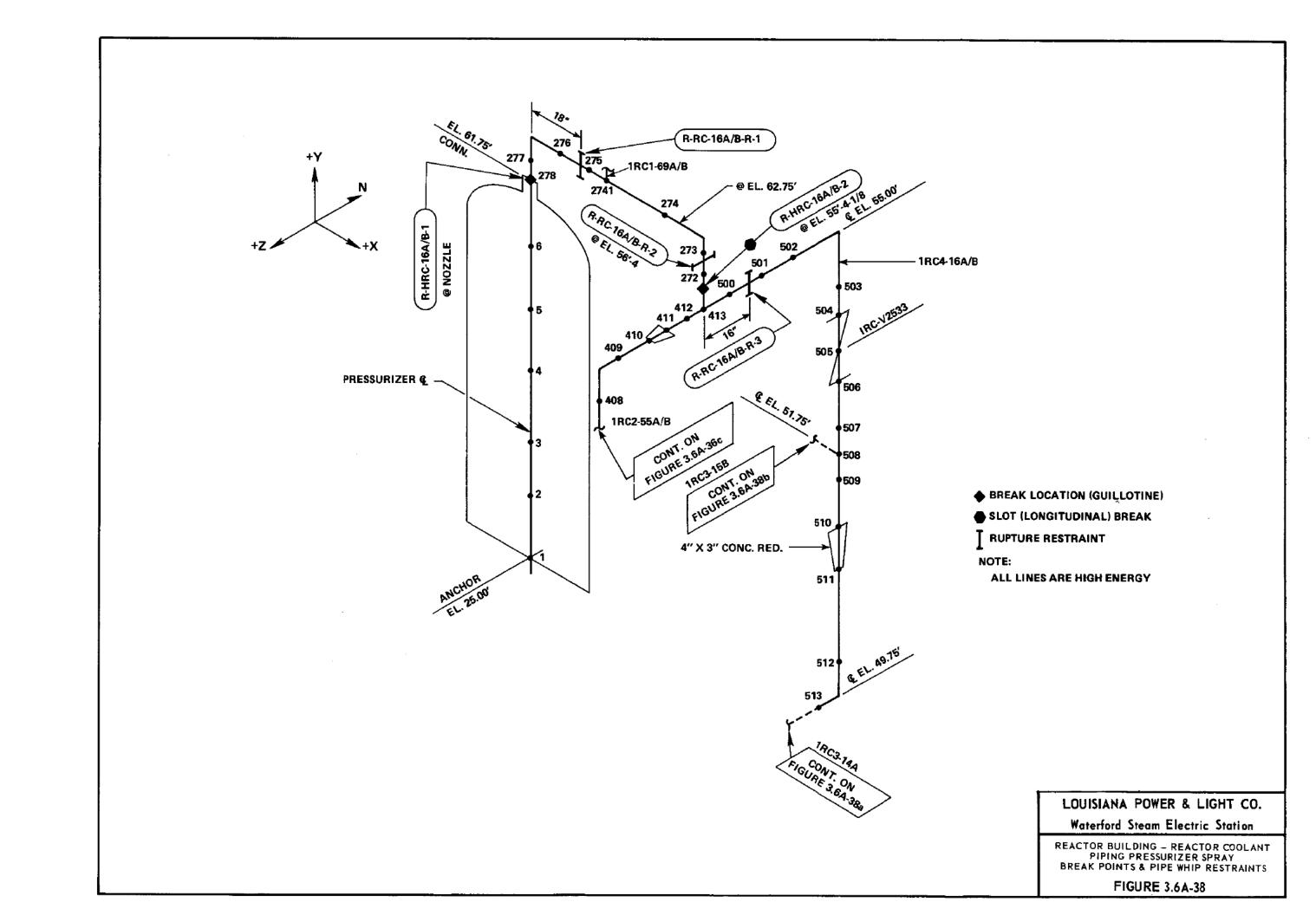
Waterford Steam Electric Station

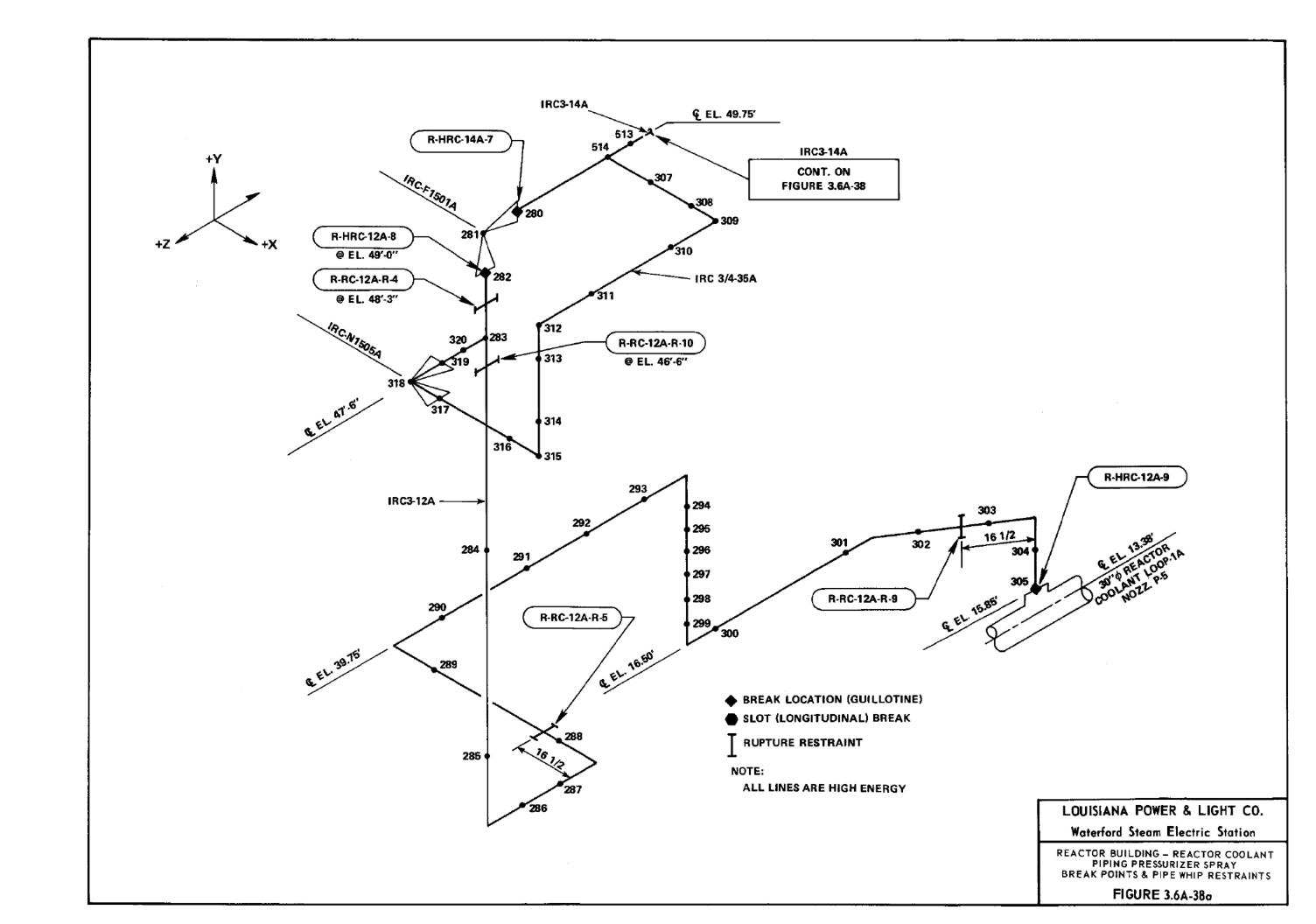


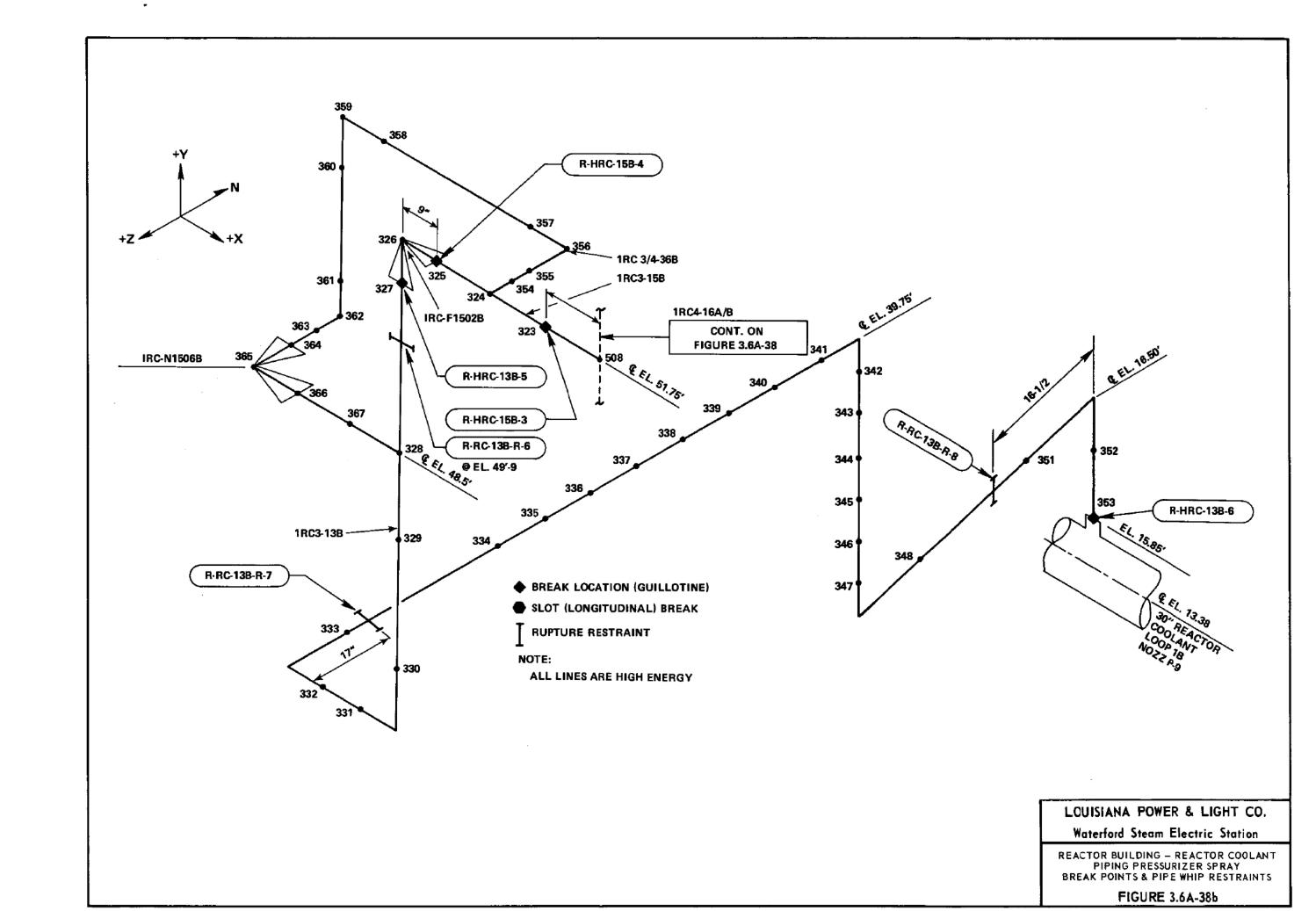


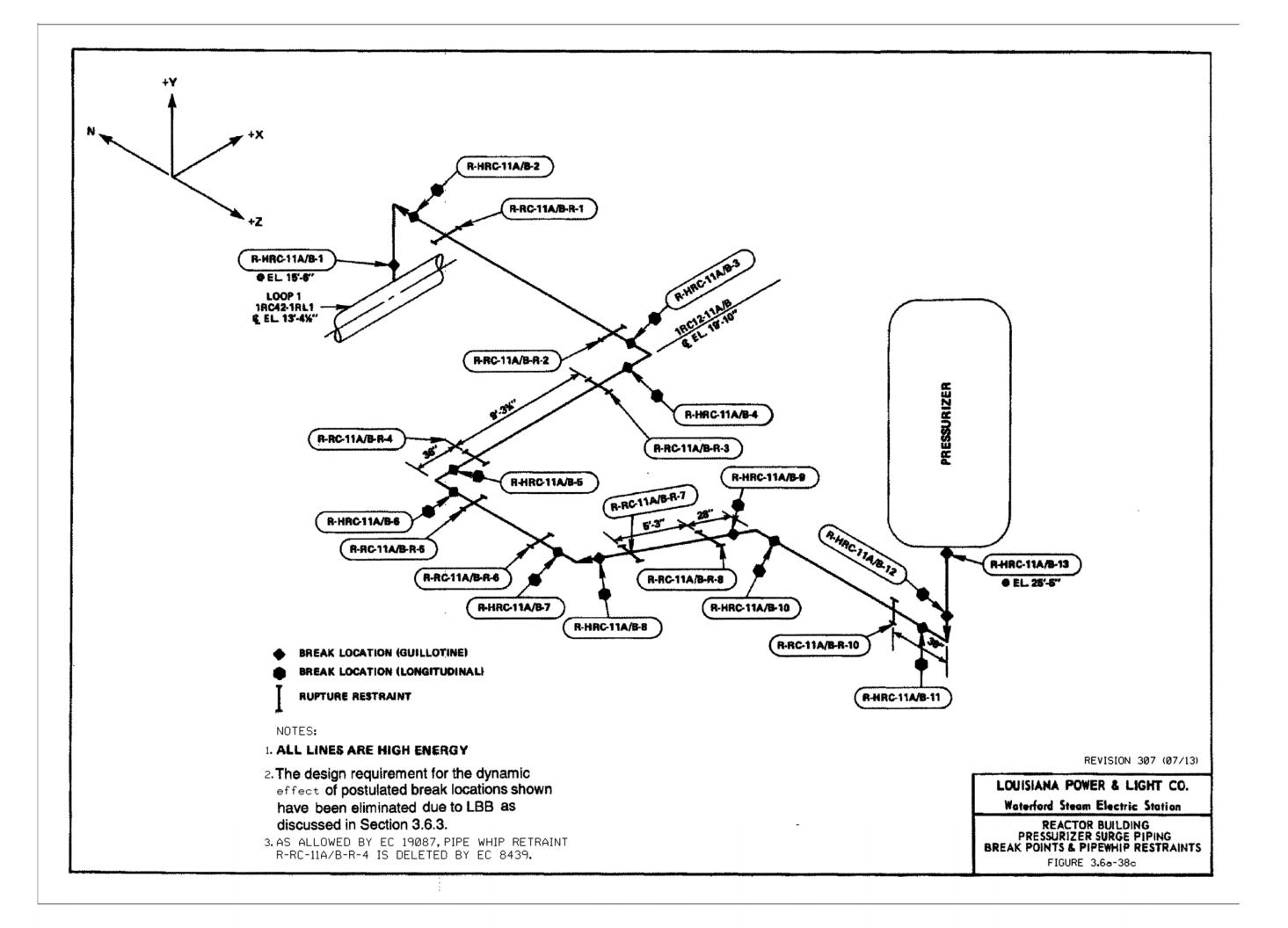


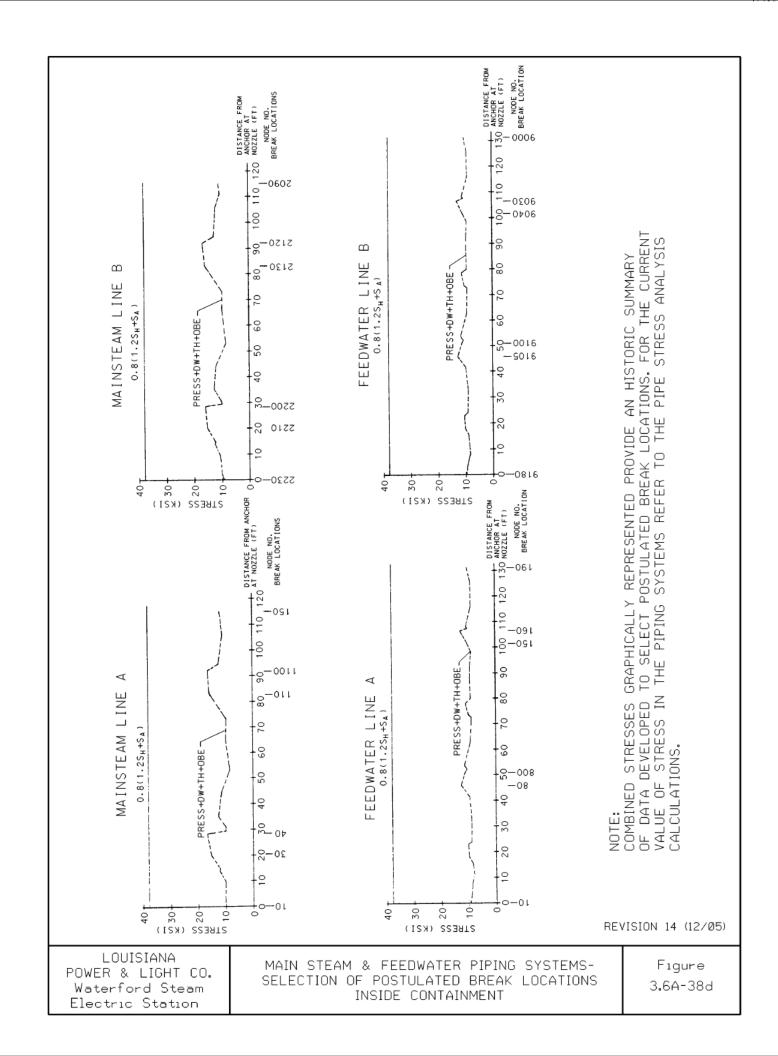


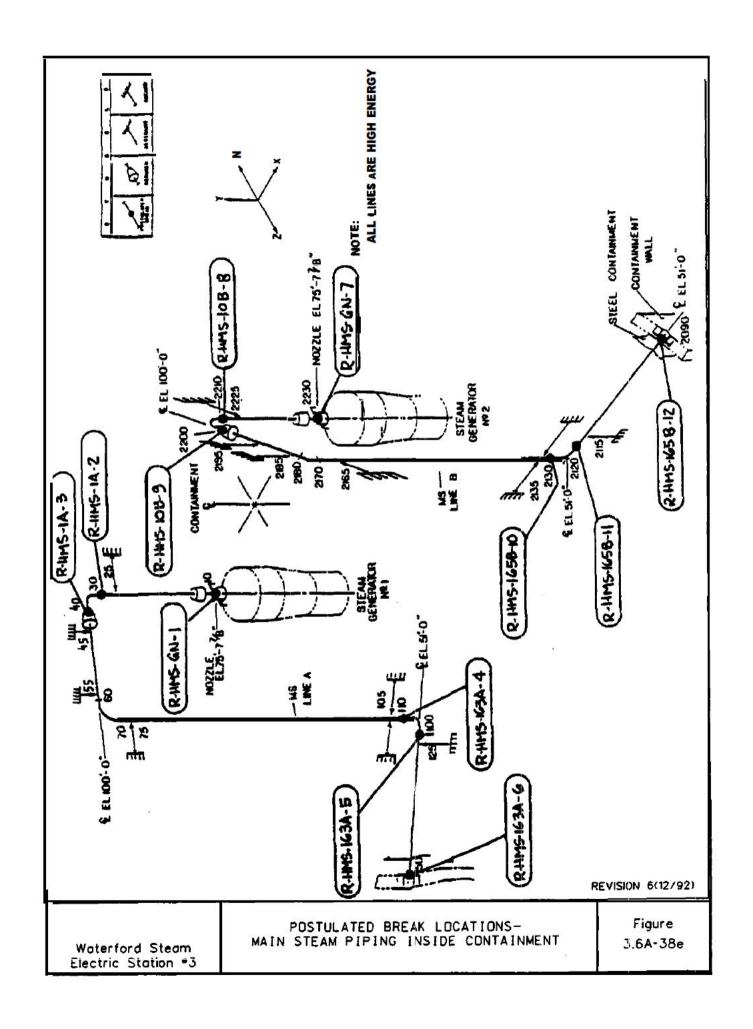


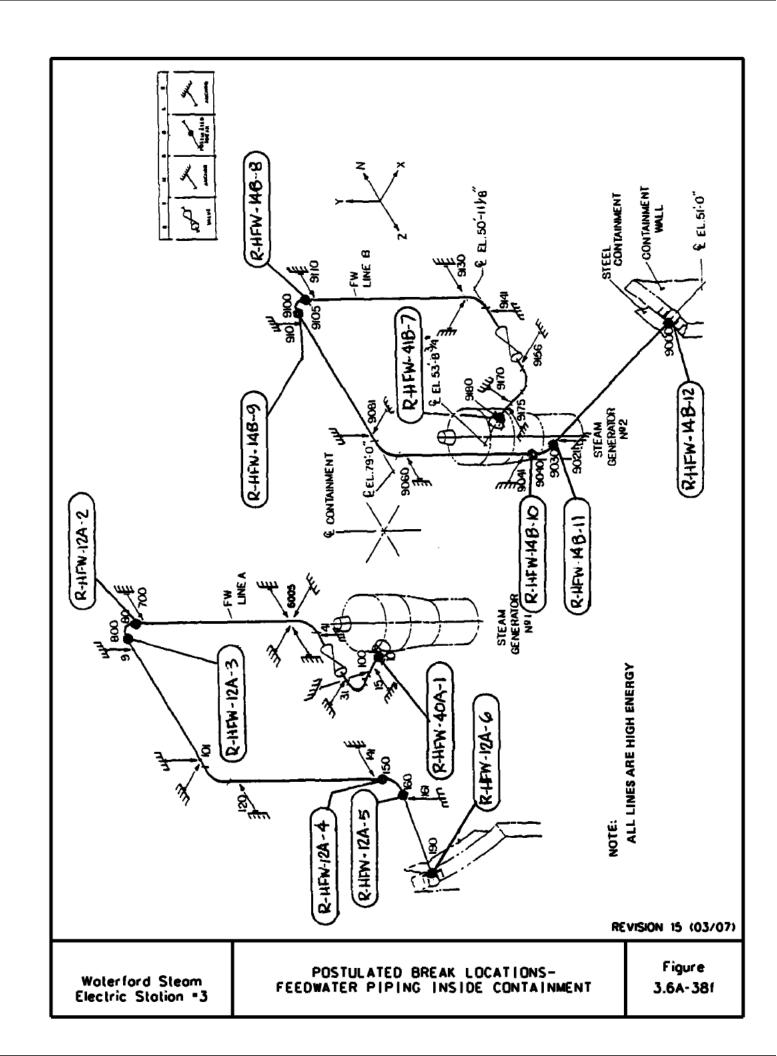


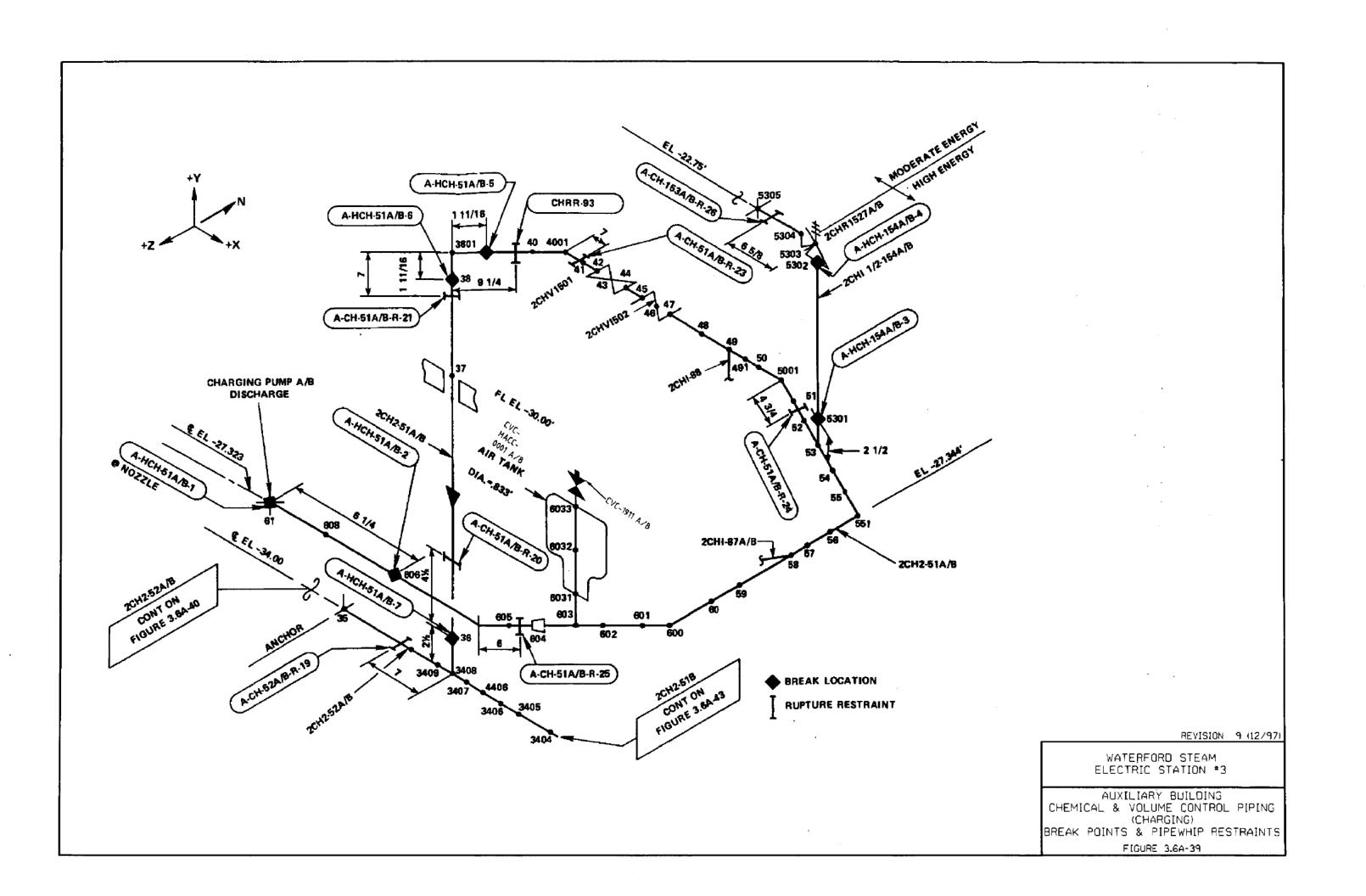


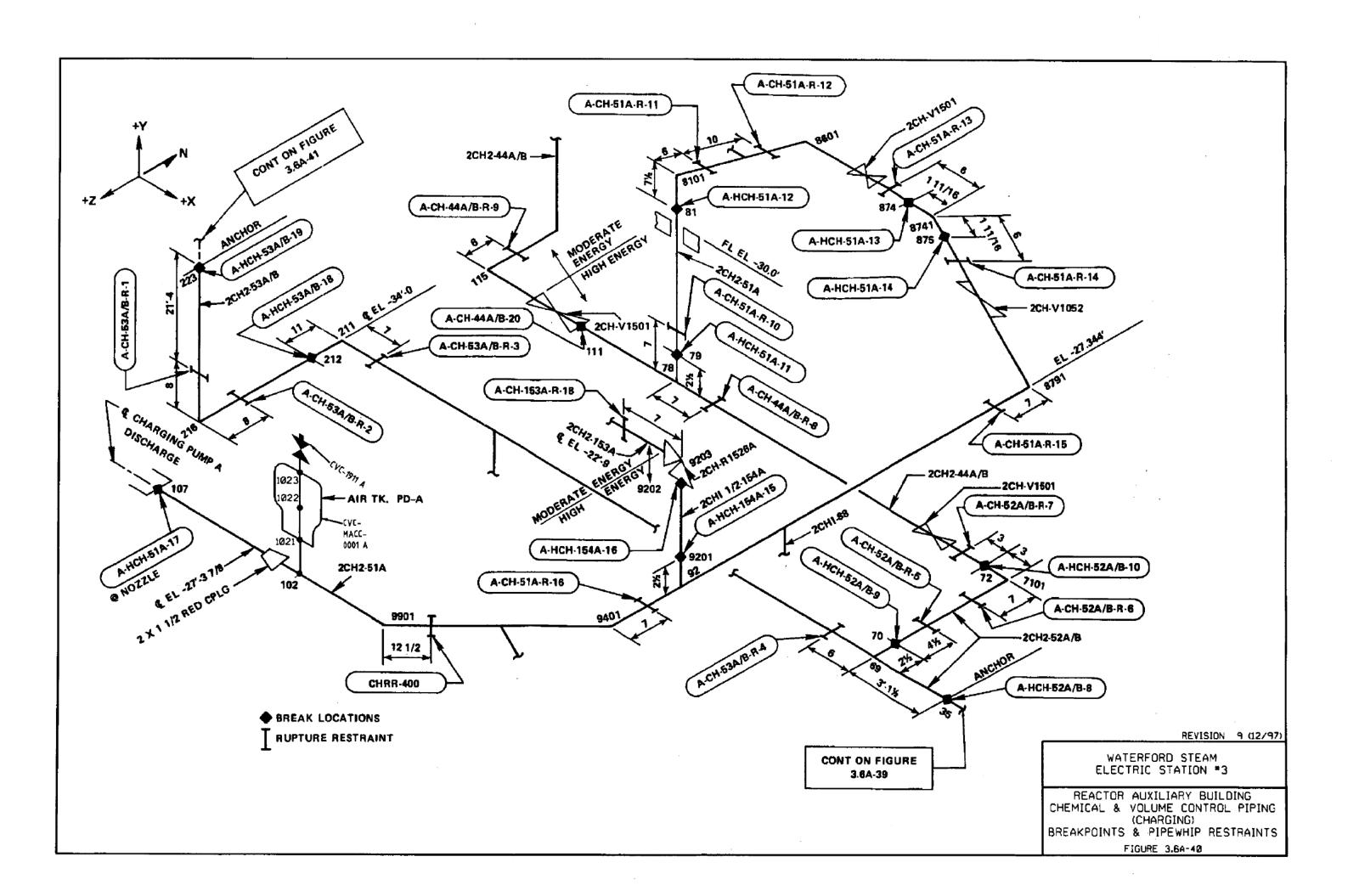


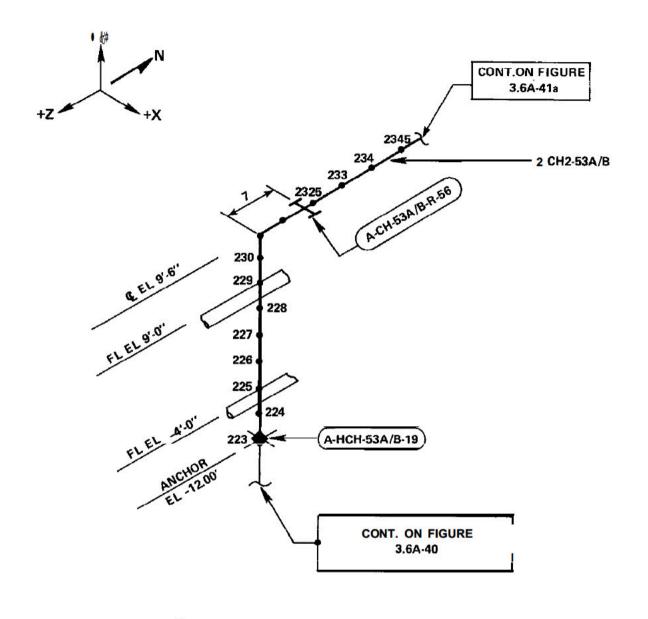












BREAK LOCATION

T RUPTURE RESTRAINT

NOTE:

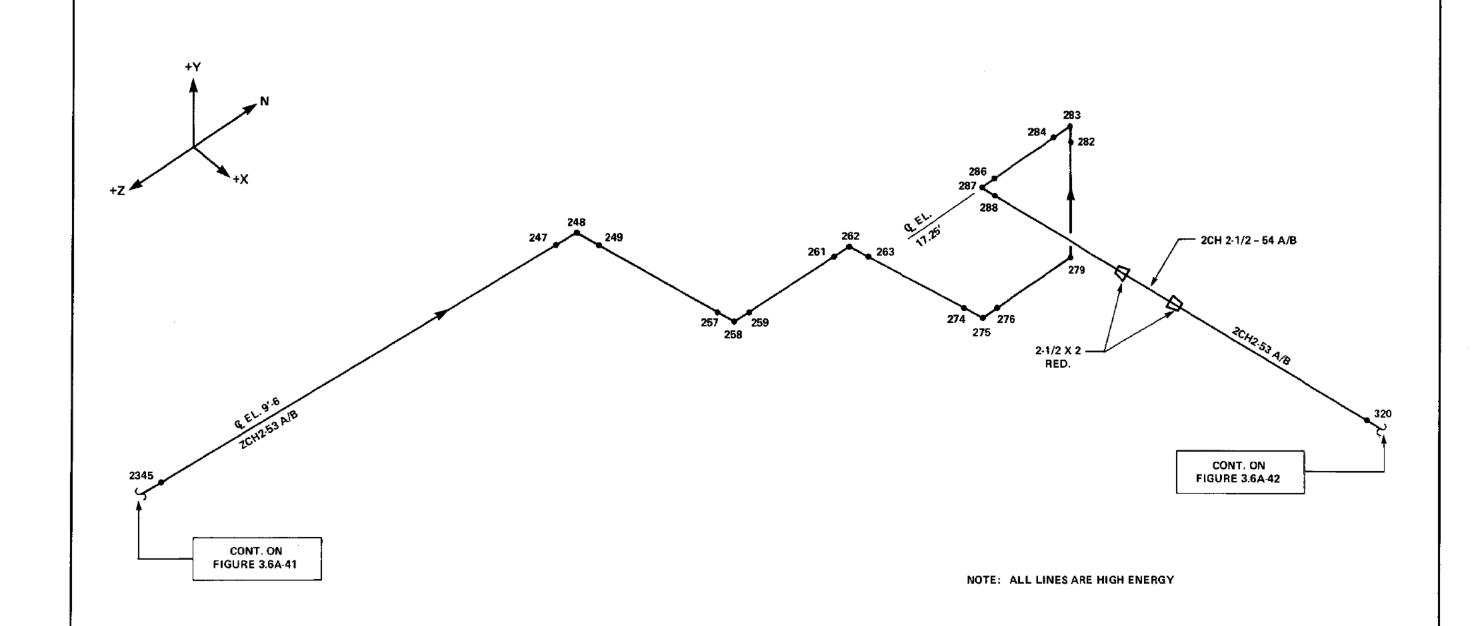
ALL LINES ARE HIGH ENERGY

LOUISIANA POWER 8 LIGHT CO. Waterford Steam Electric Station

REACTOR AUXILIARY BUILDING
CHEMICAL AND VOLUME CONTROL PIPING
(CHARGING)
BREAK POINTS AND PIPEWHIP RESTRAINTS

Figure

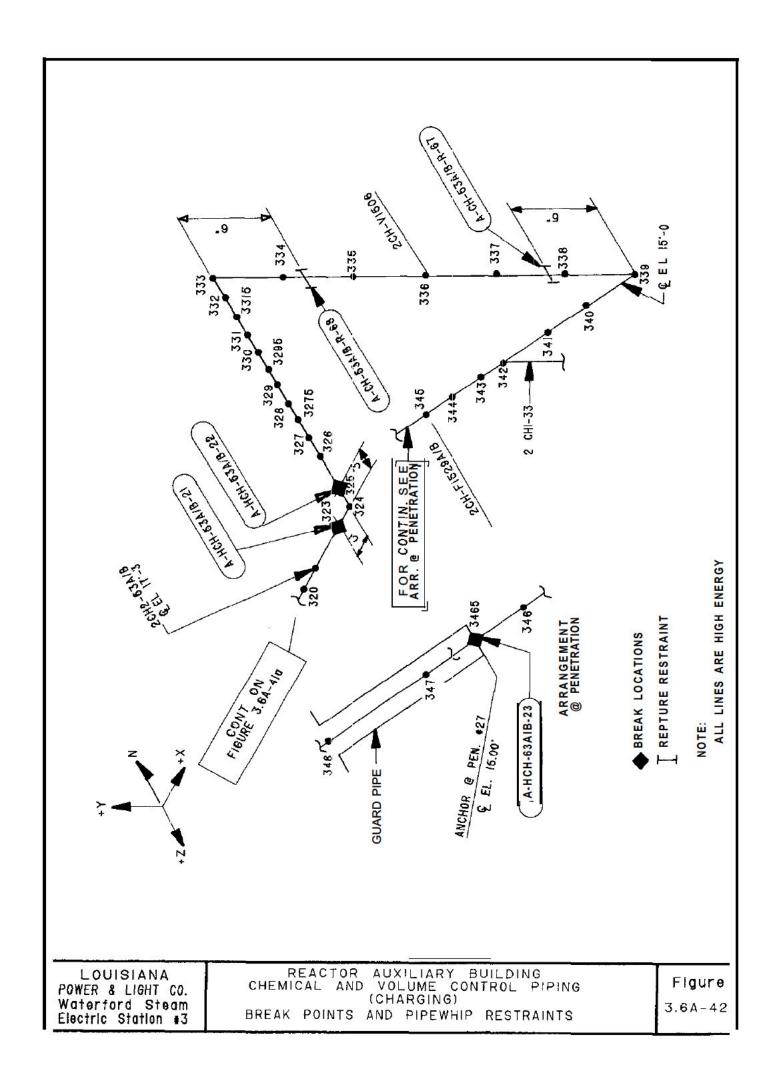
3.6A-41

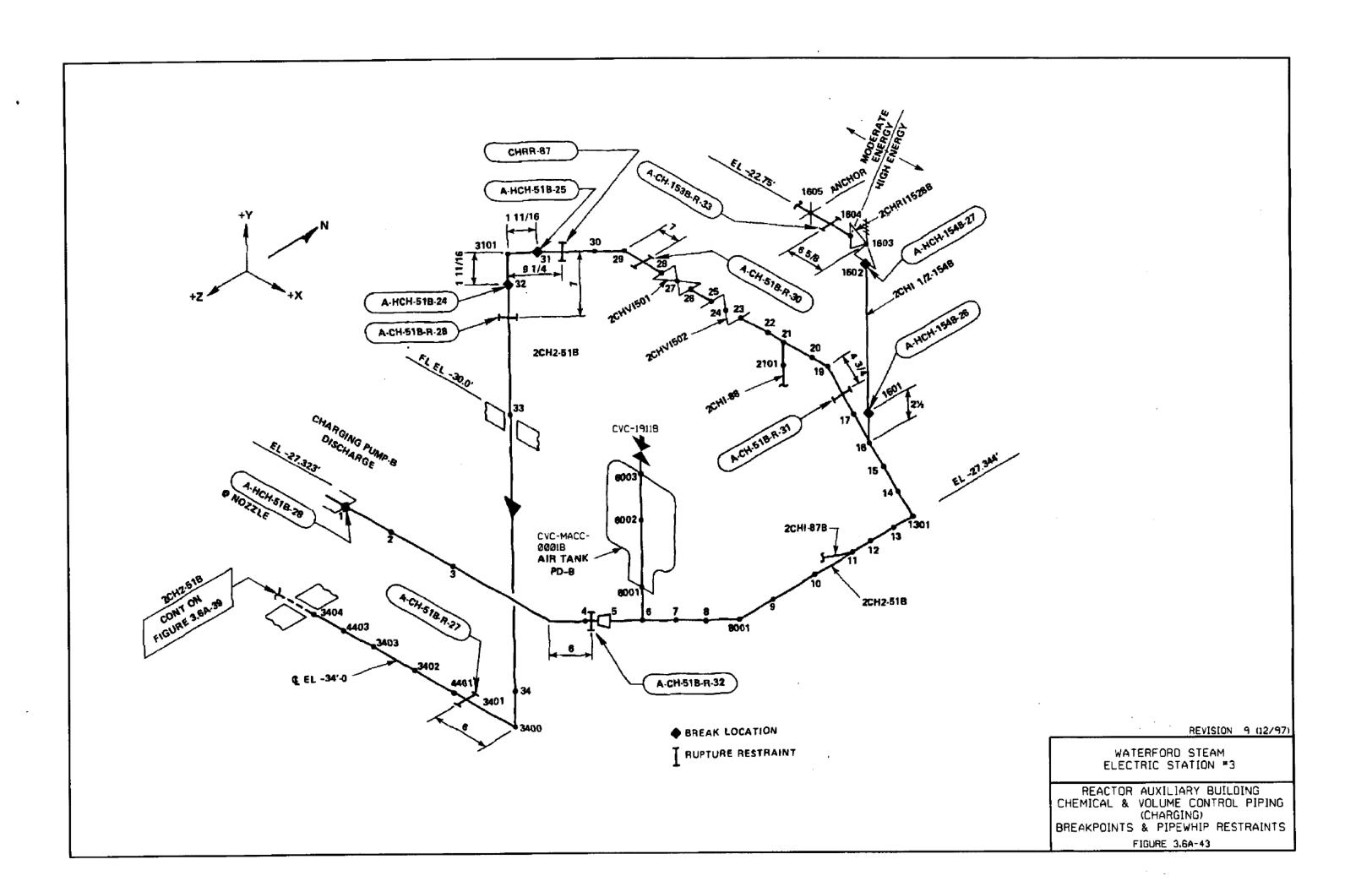


LOUISIANA POWER & LIGHT CO.

Waterford Steam Electric Station

REACTOR AUXILIARY BUILDING
CHEMICAL & VOLUME CONTROL PIPING
(CHARGING)
BREAKPOINTS & PIPEWHIP RESTRAINTS
FIGURE 3.6A-41a





Security Related Information Figure Withheld Under 10 CFR 2.390

LEGEND:

SAFETY RELATED EQUIPMENT

RUPTURE RE RESTRAINT

BREAK LOCATION

NOTE:

ALL PIPING ARE HIGH ENERGY

LOUISIANA POWER & LIGHT CO.

Waterford Steam Electric Station

REACTOR AUXILIARY BUILDING - CVCS CHARGING SYSTEM - BREAK POINTS AND PIPE WHIP RESTRAINTS

FIGURE 3.6A-43a

Security Related Information Figure Withheld Under 10 CFR 2.390



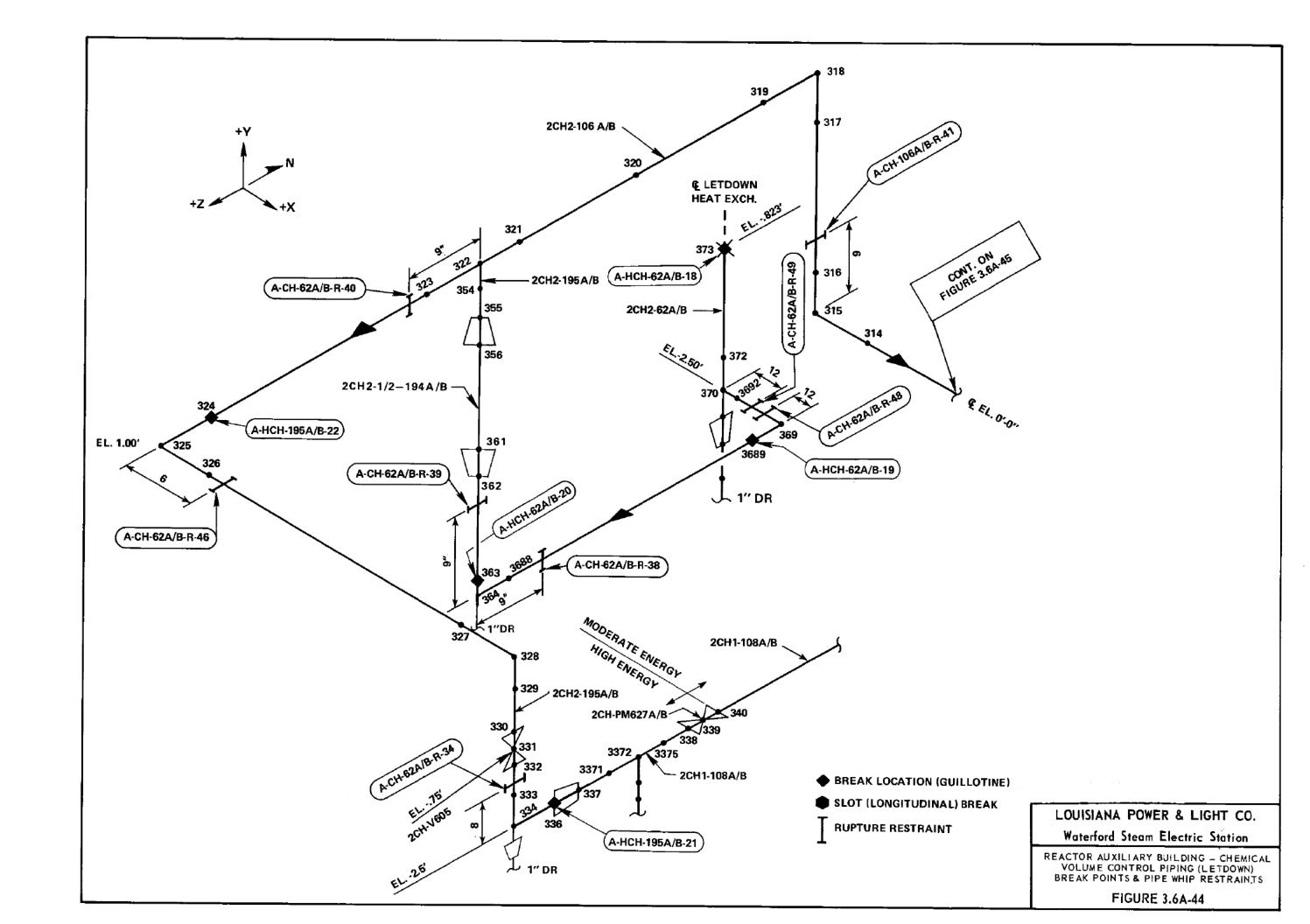
BREAK LOCATION

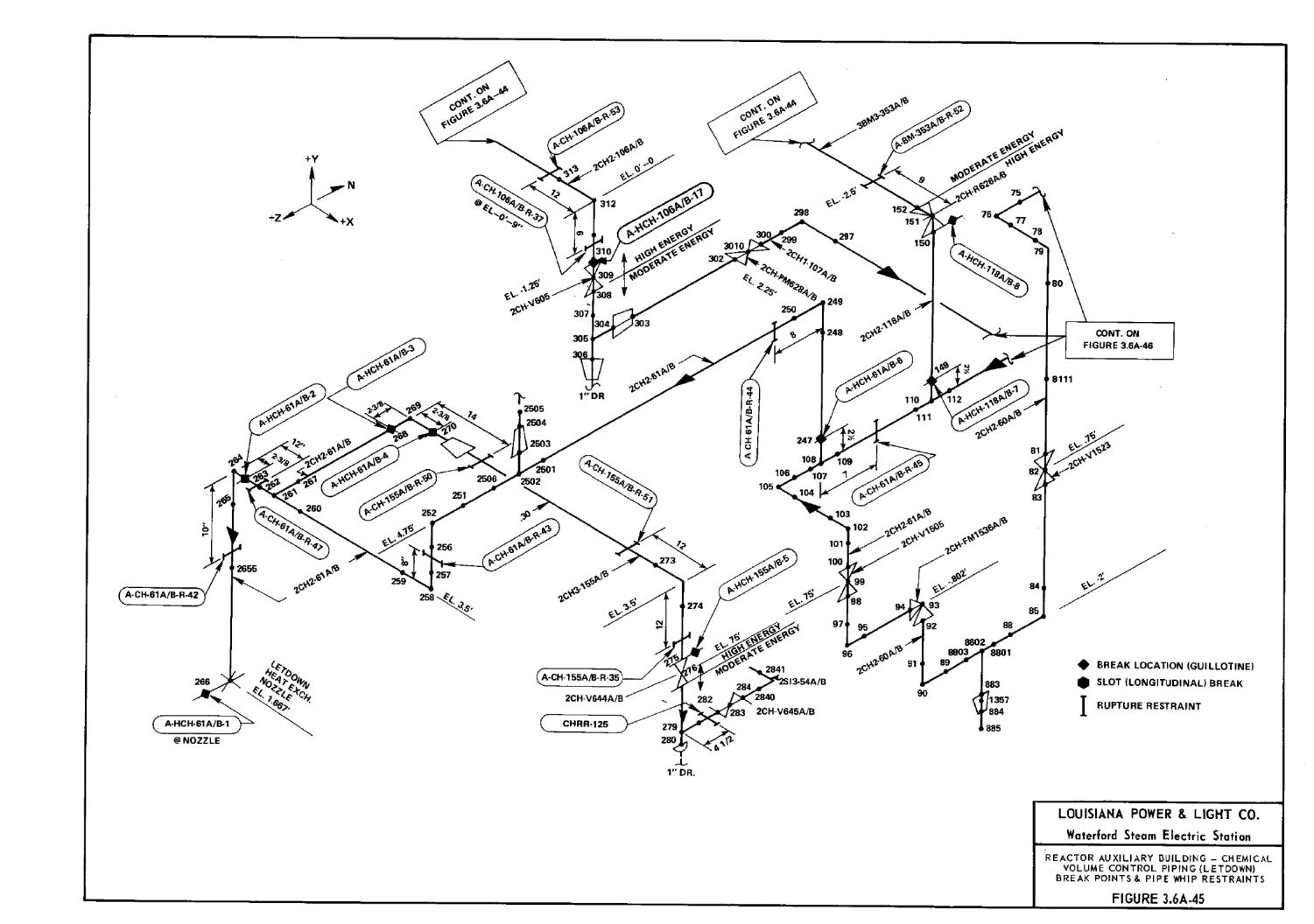
LOUISIANA POWER & LIGHT CO.

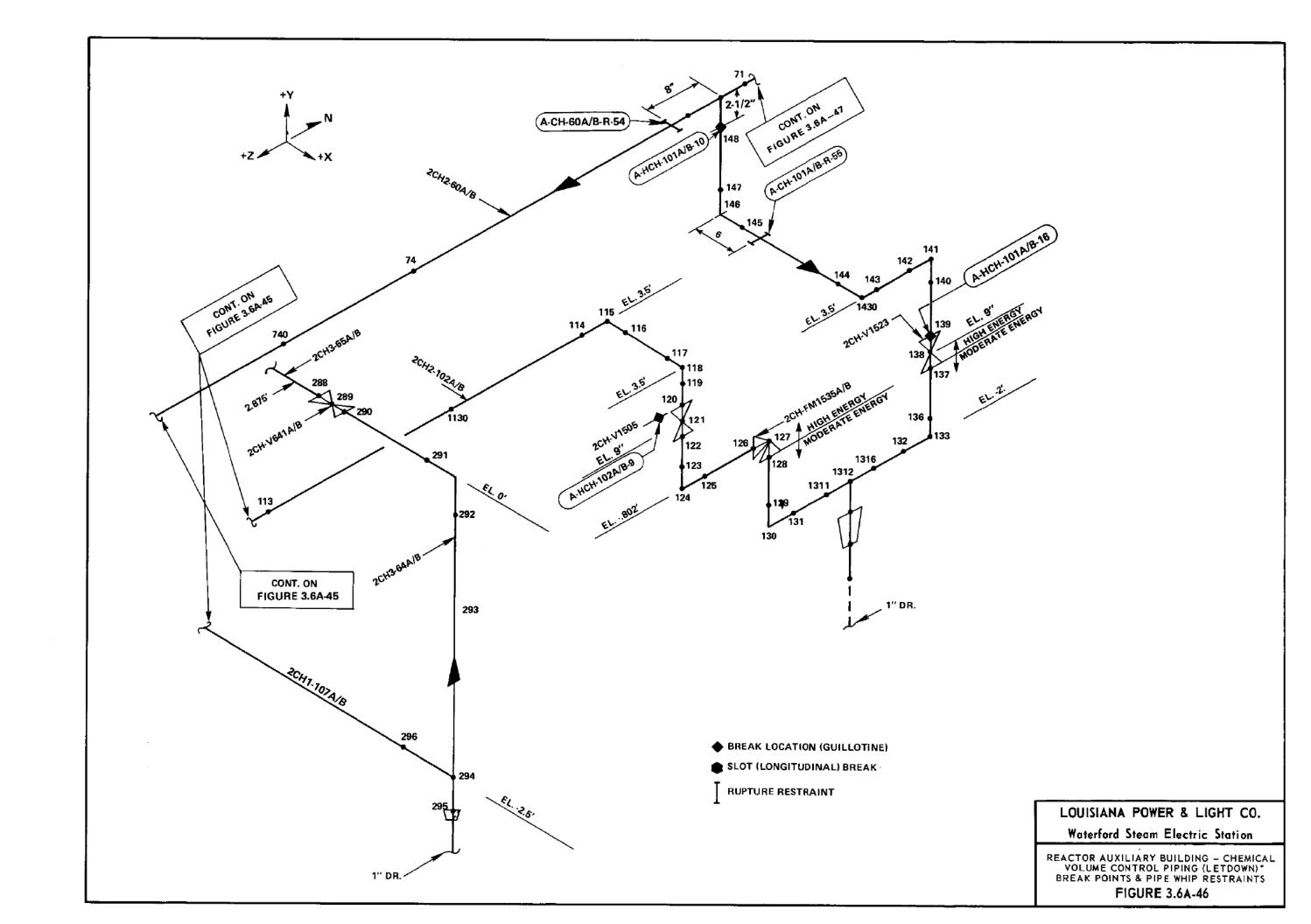
Waterford Steam Electric Station

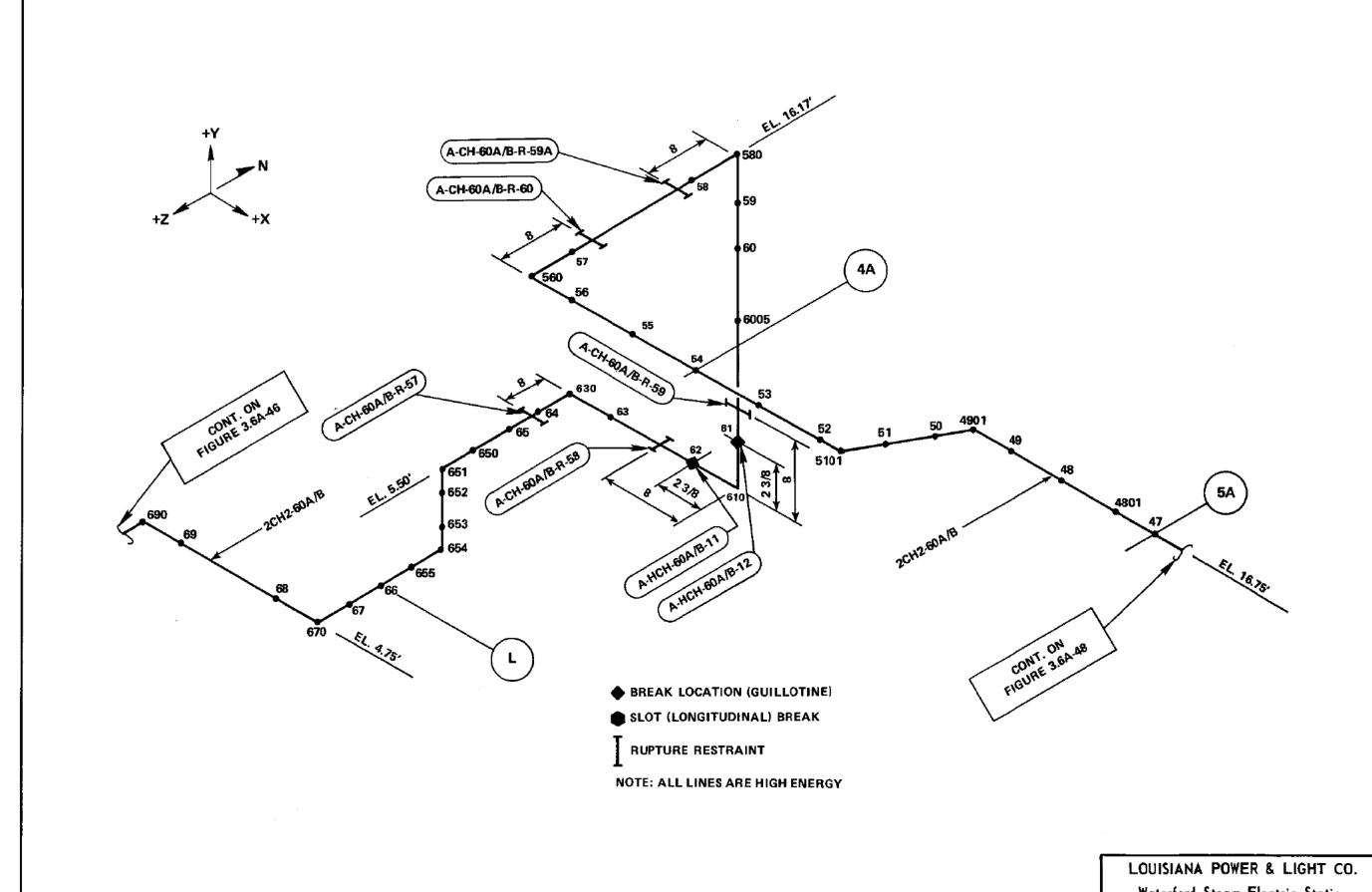
REACTOR AUXILIARY BUILDING - CVCS CHARGING SYSTEM - BREAK POINTS AND PIPE WHIP RESTRAINTS

FIGURE 3.6A-43b





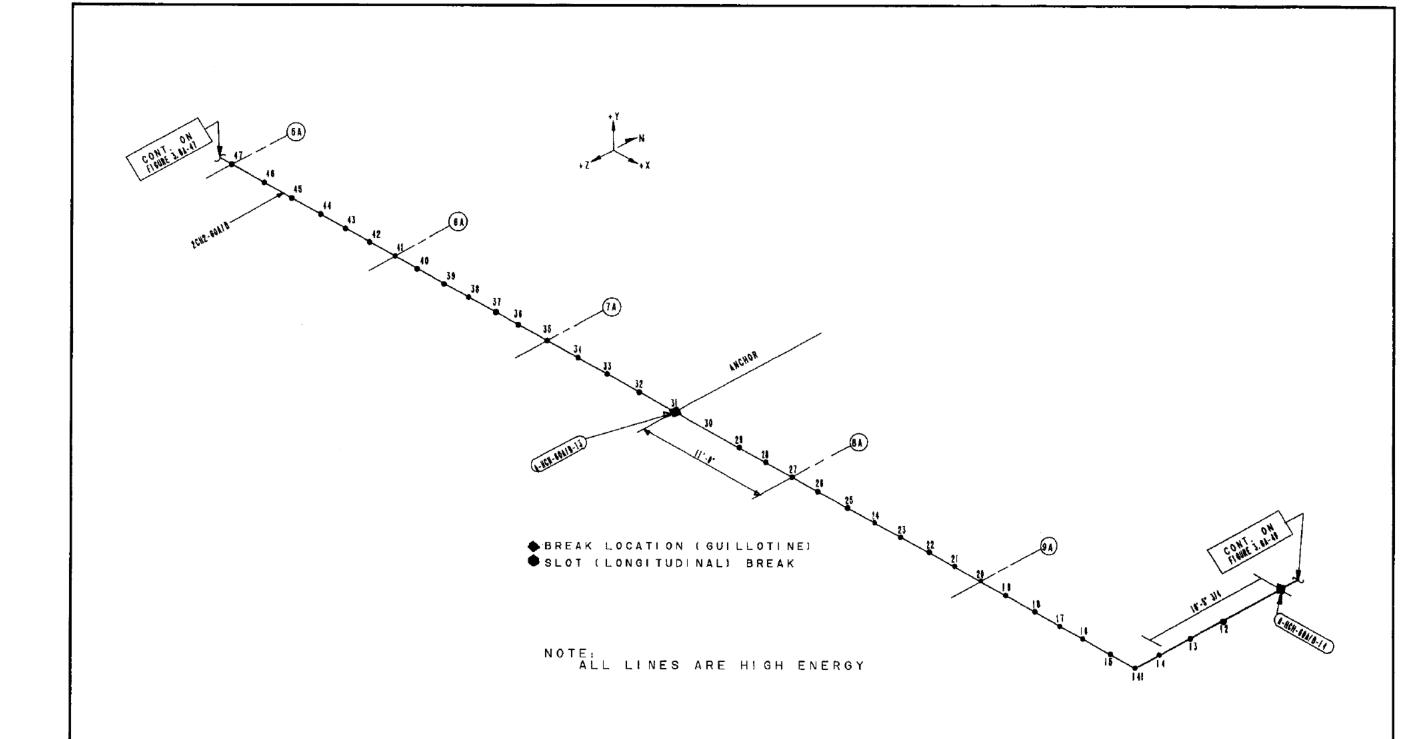




Waterford Steam Electric Station

REACTOR AUXILIARY BUILDING -- CHEMICAL VOLUME CONTROL PIPING (LETDOWN)
BREAK POINTS & PIPE WHIP RESTRAINTS

FIGURE 3.6A-47

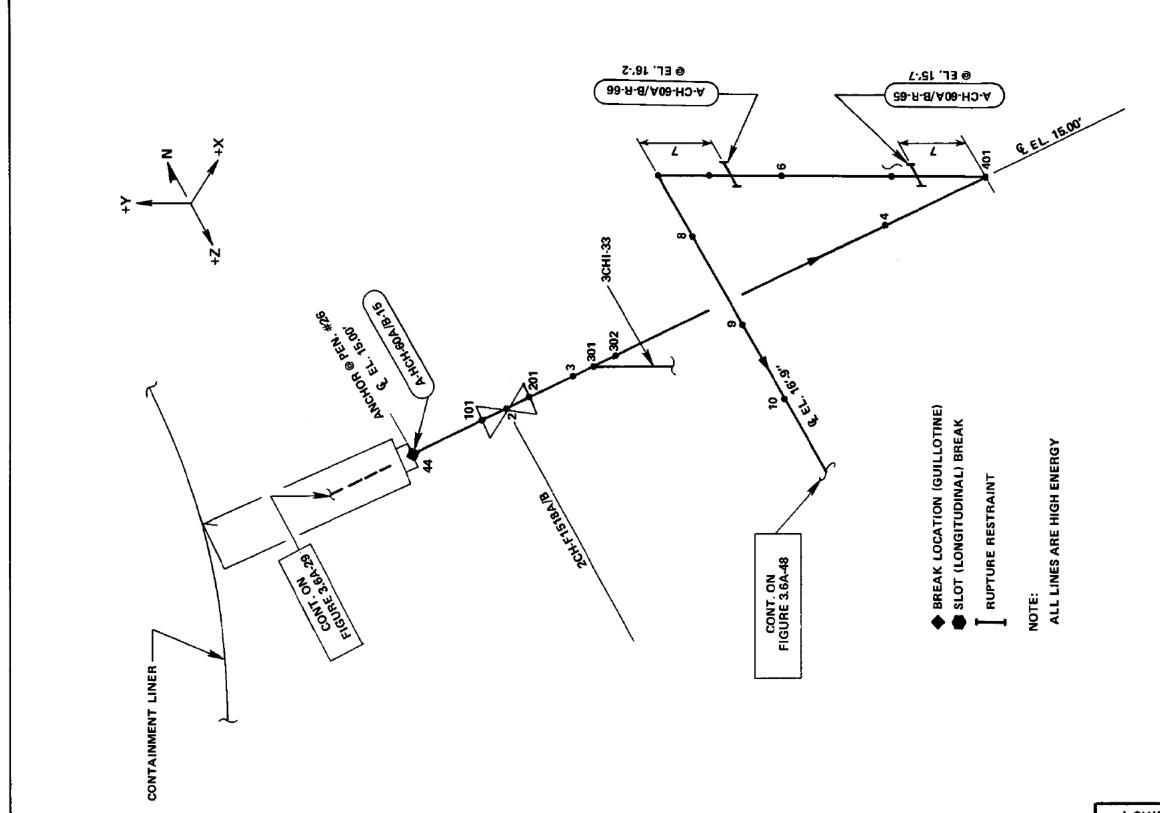


LOUISIANA POWER & LIGHT CO.

Waterford Steam Electric Station #3

REACTOR AUXILIARY BUILDING - CHEMICAL VOLUME CONTROL PIPING (LETDOWN) BREAK POINTS & PIPE WHIP RESTRAINTS

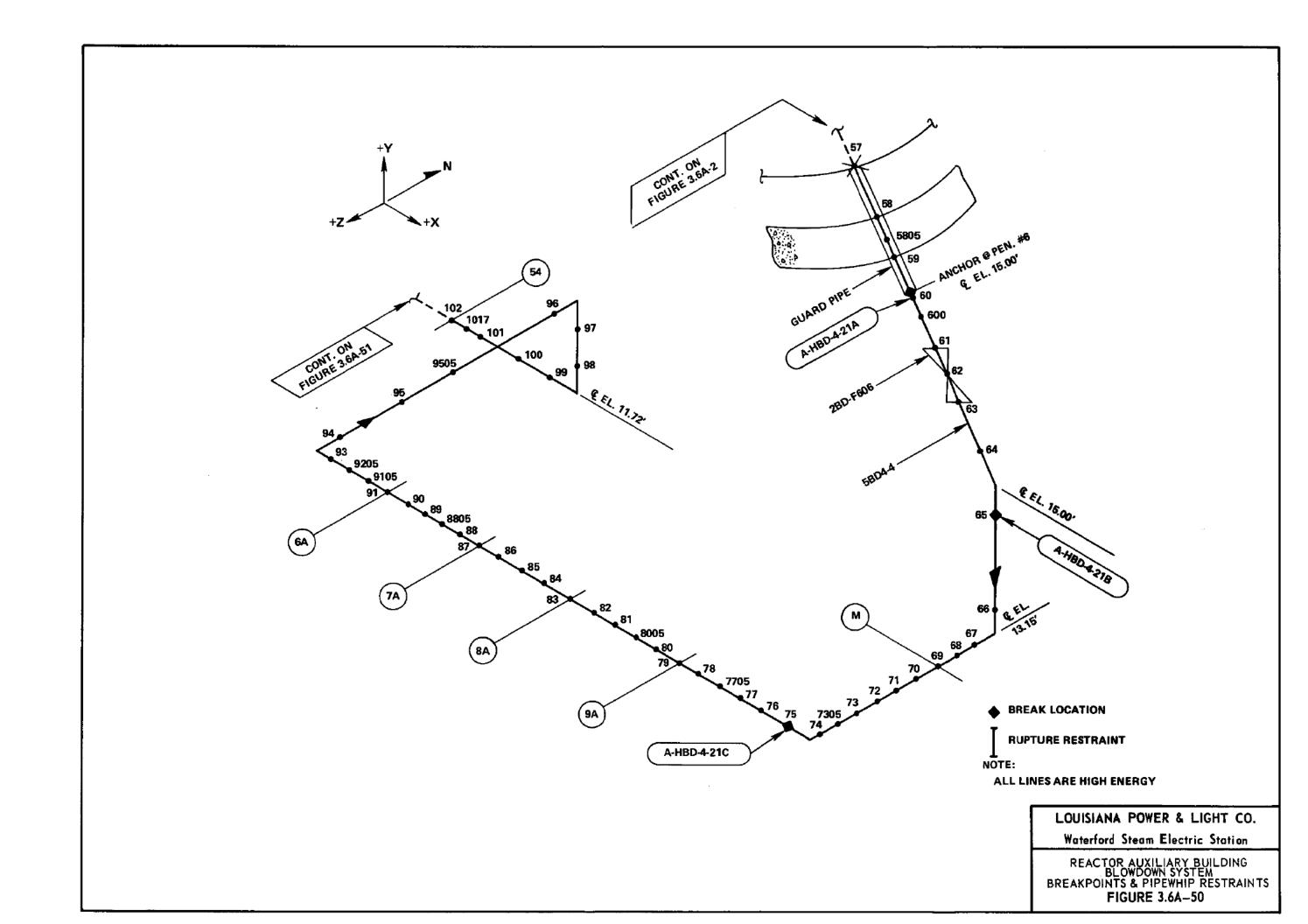
FIGURE 3.6A-48

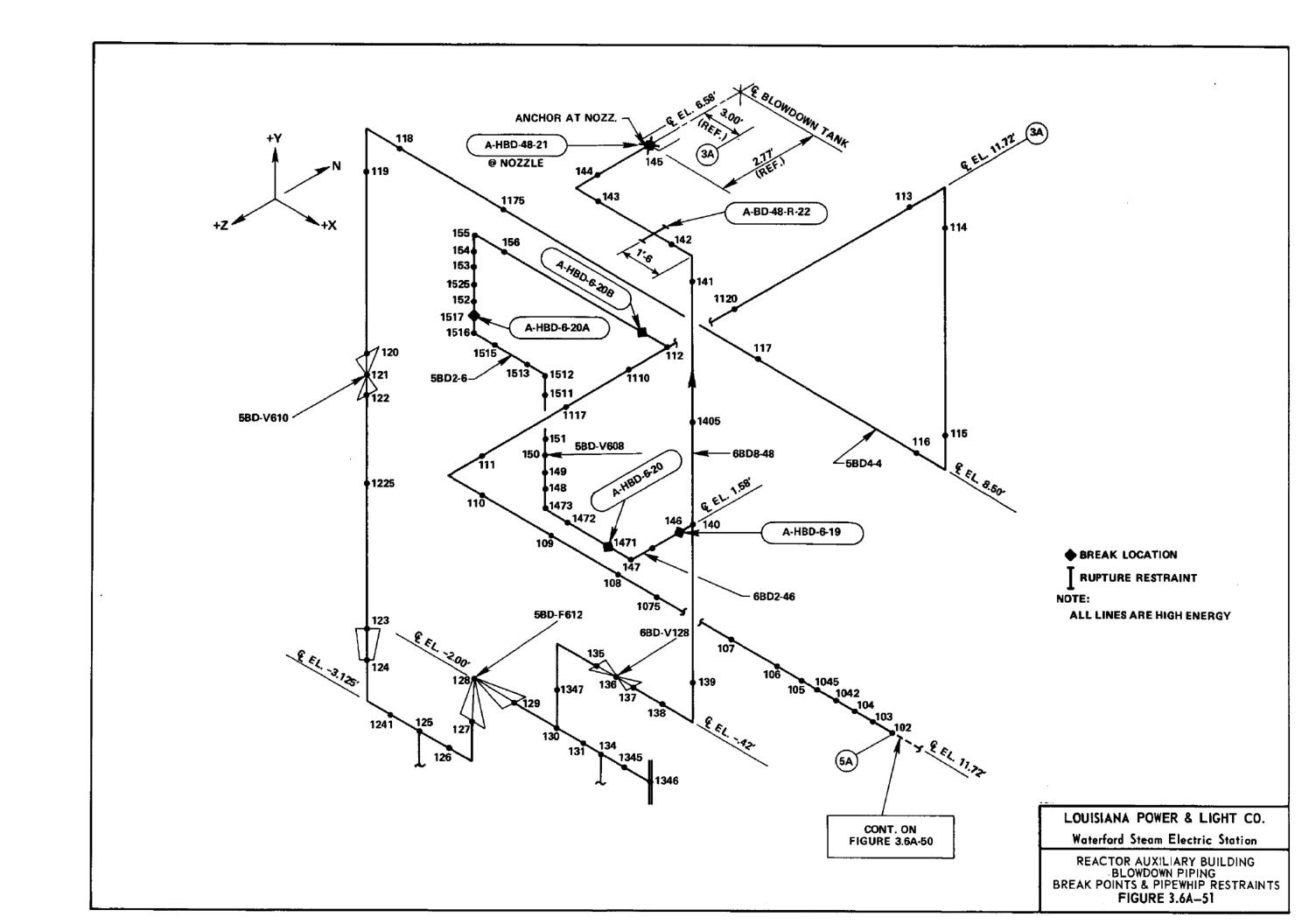


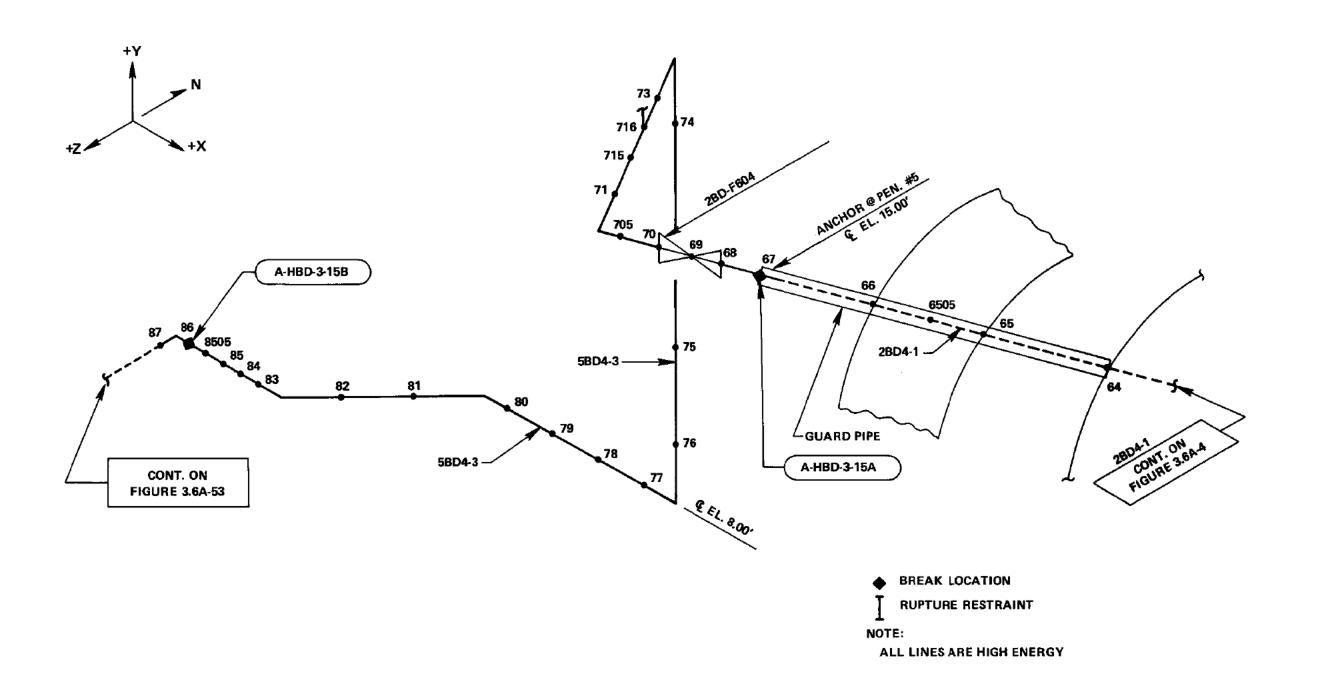
LOUISIANA POWER & LIGHT CO. Waterford Steam Electric Station

REACTOR AUXILIARY BUILDING - CHEMICAL VOLUME CONTROL PIPING (LETDOWN) BREAK POINTS & PIPE WHIP RESTRAINTS

FIGURE 3.6A-49



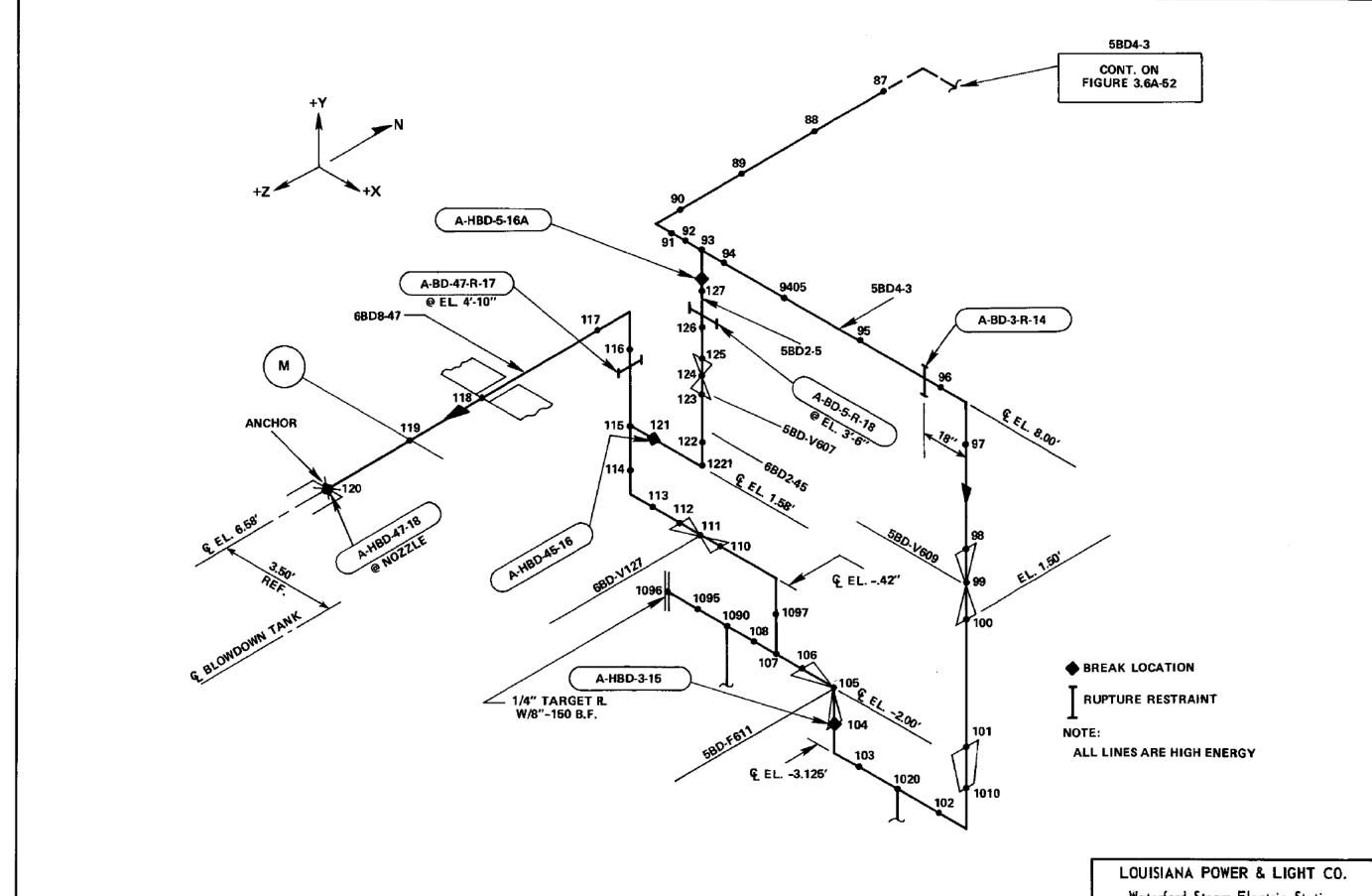




LOUISIANA POWER & LIGHT CO.

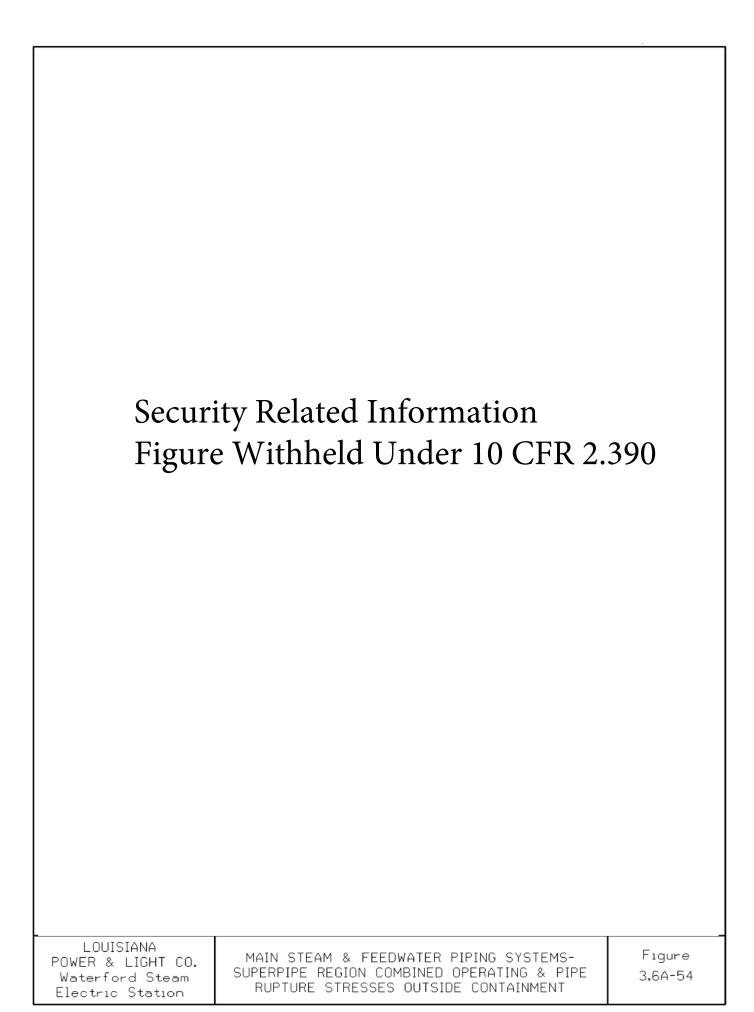
Waterford Steam Electric Station

REACTOR AUXILIARY BUILDING
BLOWDOWN SYSTEM
BREAK POINTS & PIPEWHIP RESTRAINTS
FIGURE 3.6A-52



Waterford Steam Electric Station

REACTOR AUXILIARY BUILDING BLOWDOWN SYSTEM BREAKPOINTS & PIPEWHIP RESTRAINTS FIGURE 3.6A-53

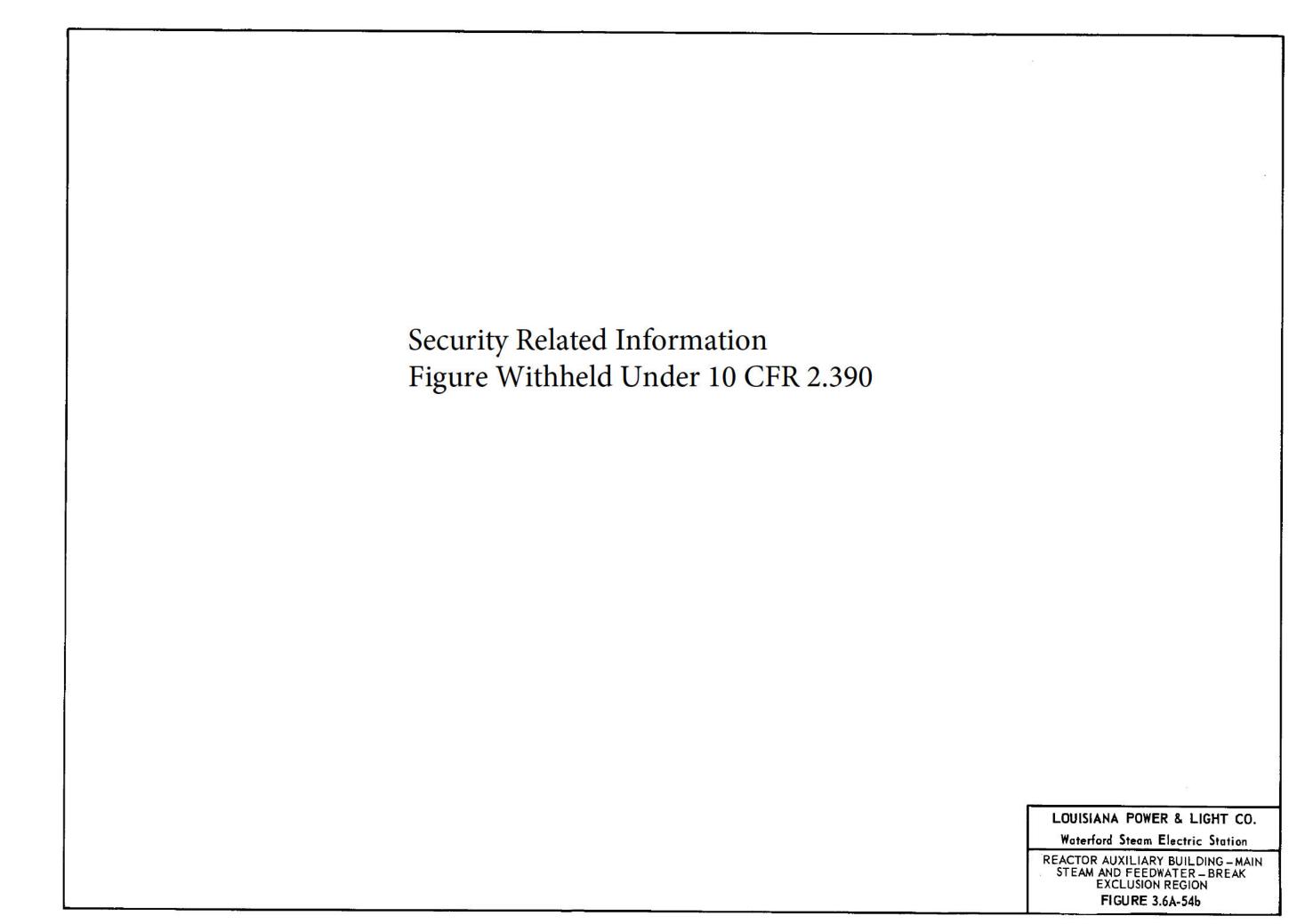


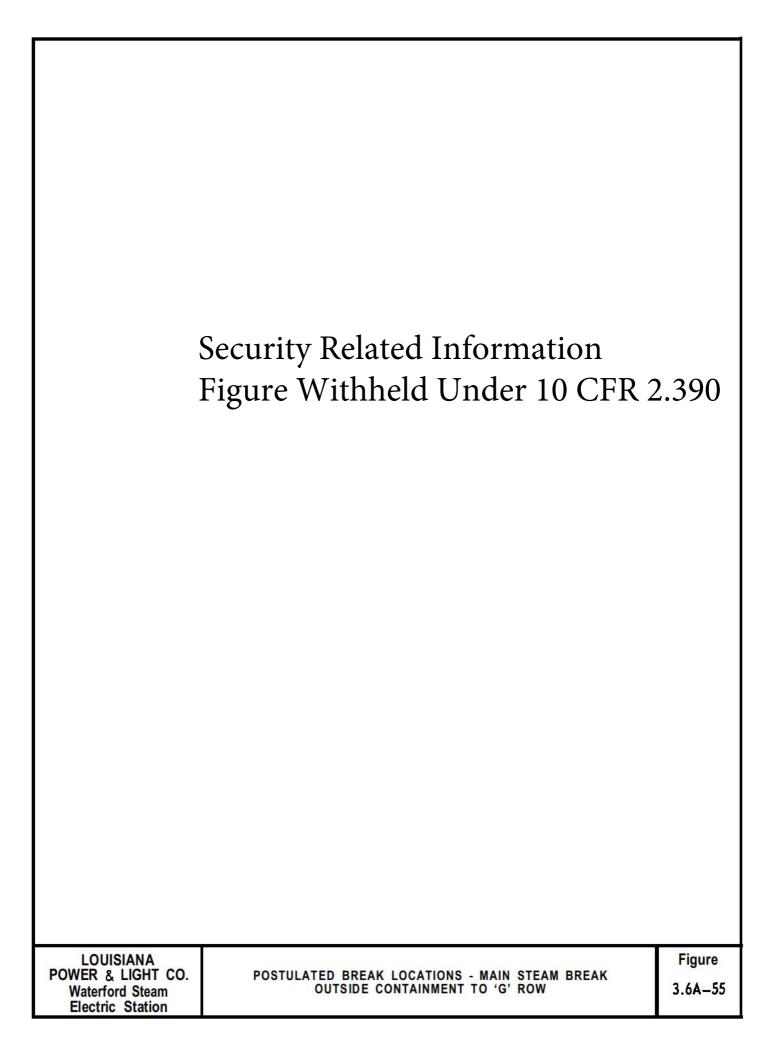
Security Related Information Figure Withheld Under 10 CFR 2.390

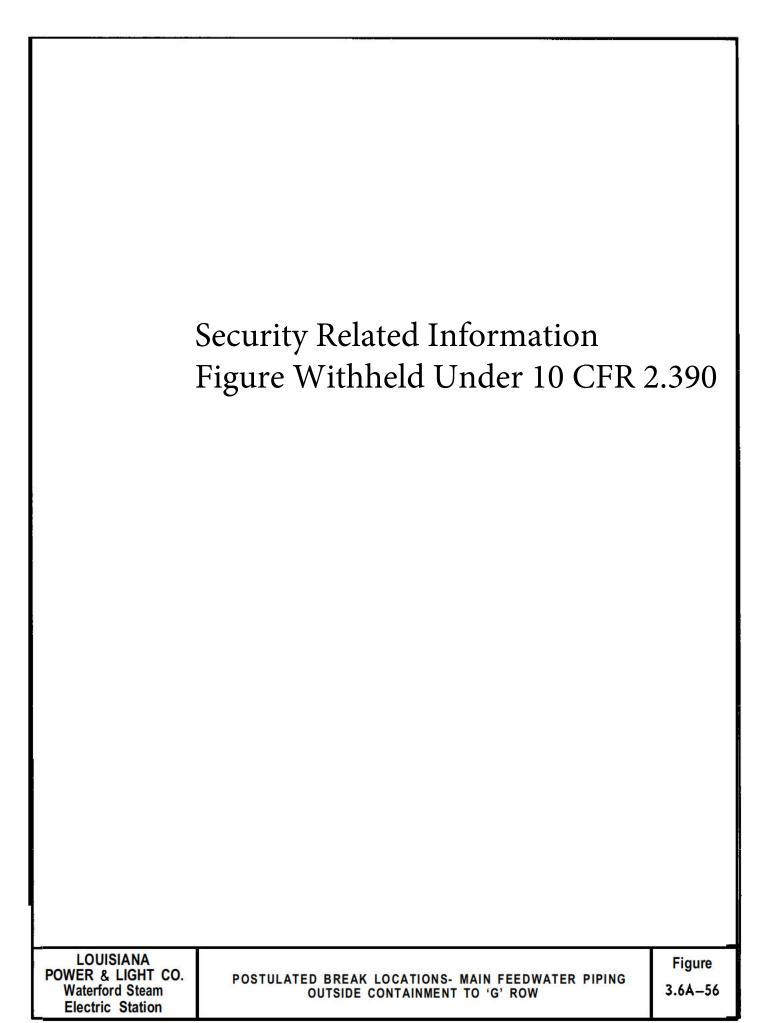
LOUISIANA POWER & LIGHT CO.

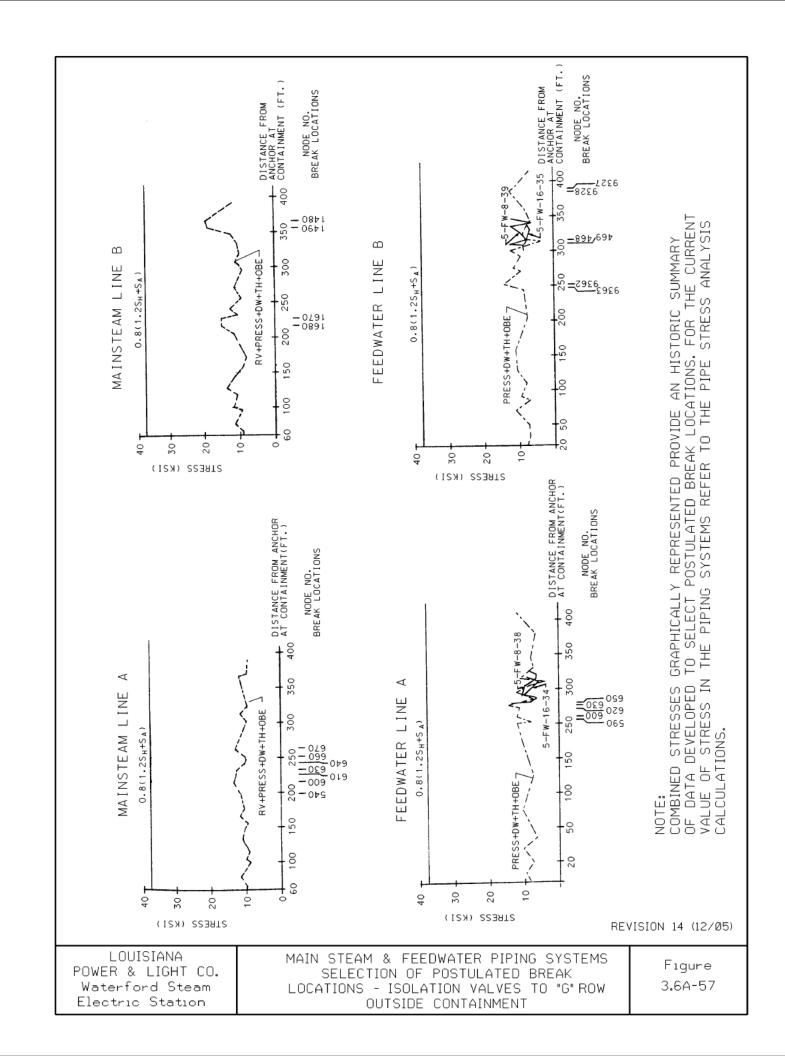
Waterford Steam Electric Station

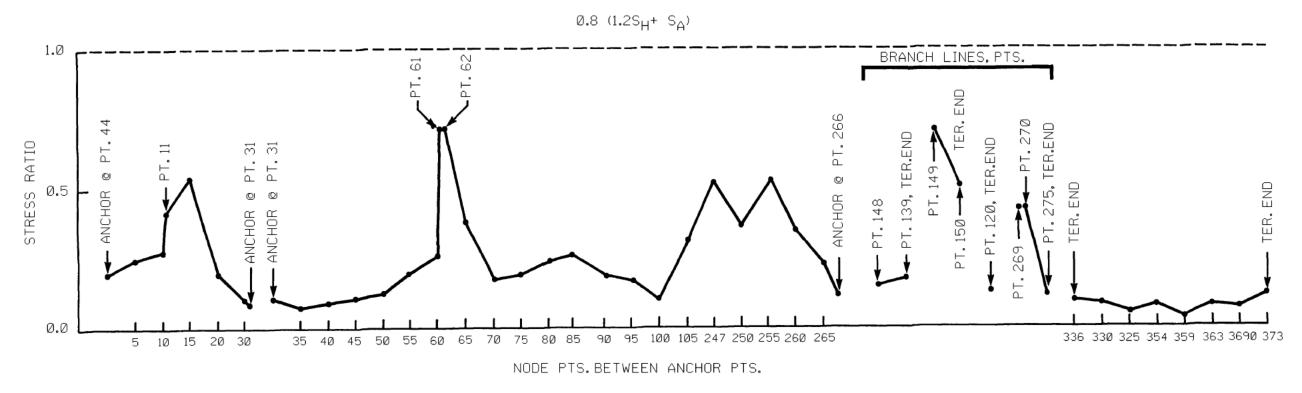
REACTOR AUXILIARY BUILDING - MAIN STEAM AND FEEDWATER - BREAK EXCLUSION REGION FIGURE 3.6A-54a











REFER TO FSAR FIGURES

3.6A - 49

3.6A - 48

3.6A - 47

3.6A - 46 3.6A - 45

3.6A - 44

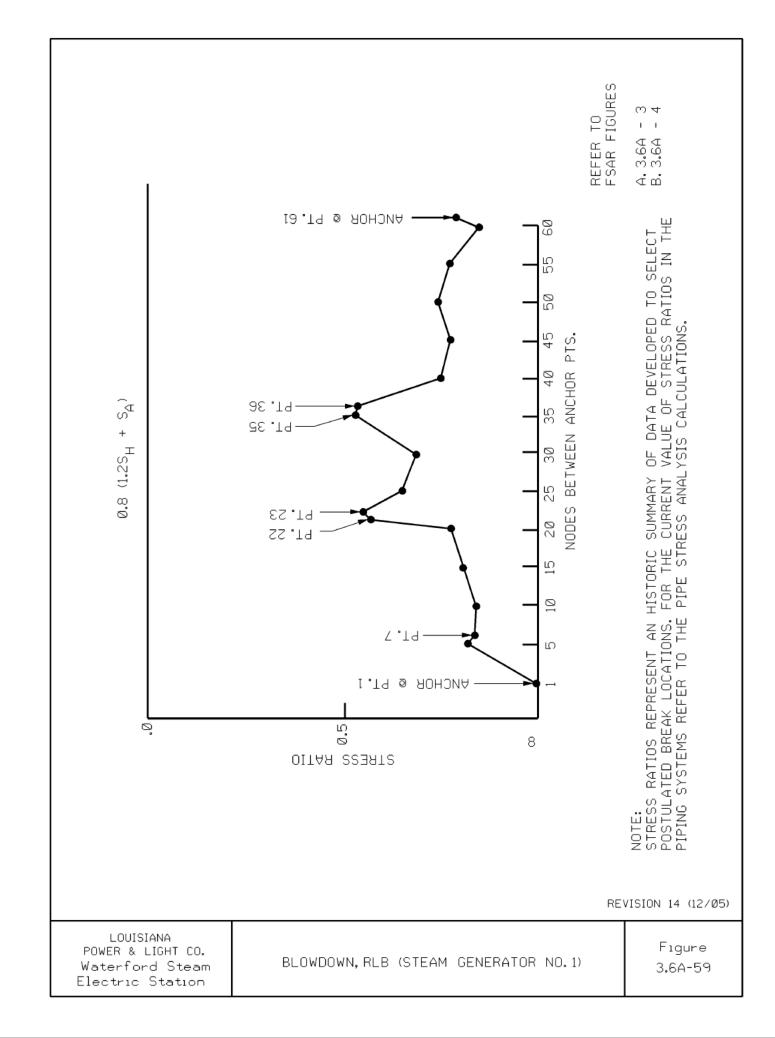
NOTE: STRESS RATIOS REPRESENT AN HISTORIC SUMMARY OF DATA DEVELOPED TO SELECT POSTULATED BREAK LOCATIONS. FOR THE CURRENT VALUE OF STRESS RATIOS IN THE PIPING SYSTEMS REFER TO THE PIPE STRESS ANALYSIS CALCULATIONS.

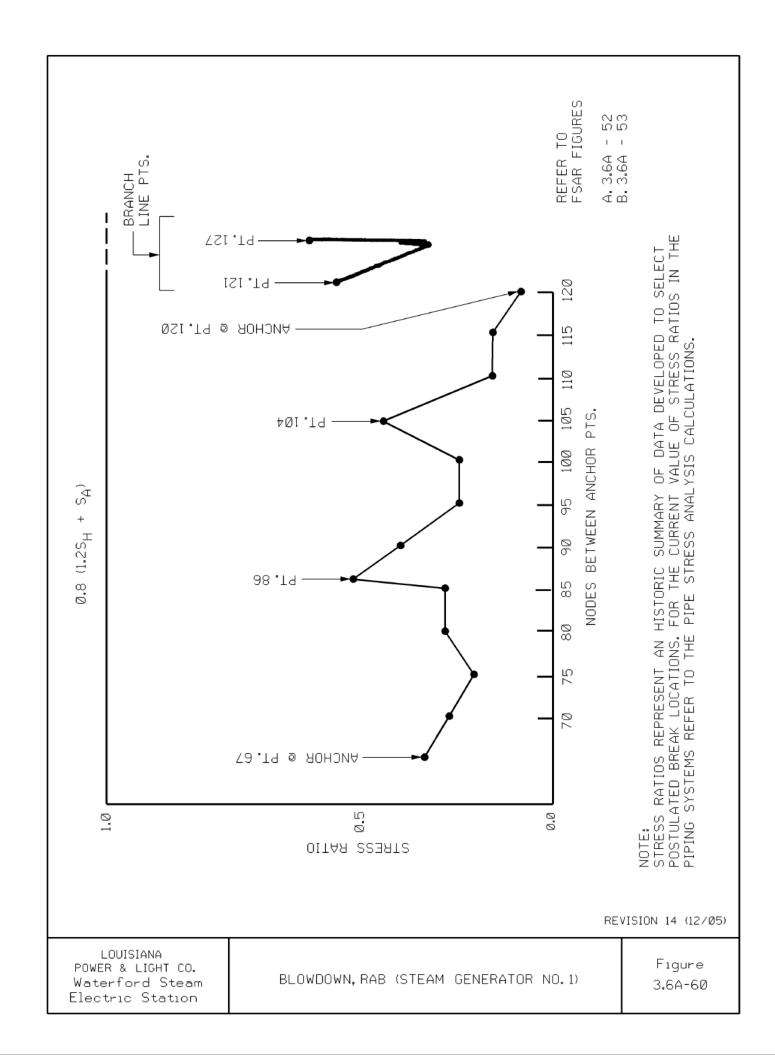
REVISION 14 (12/05)

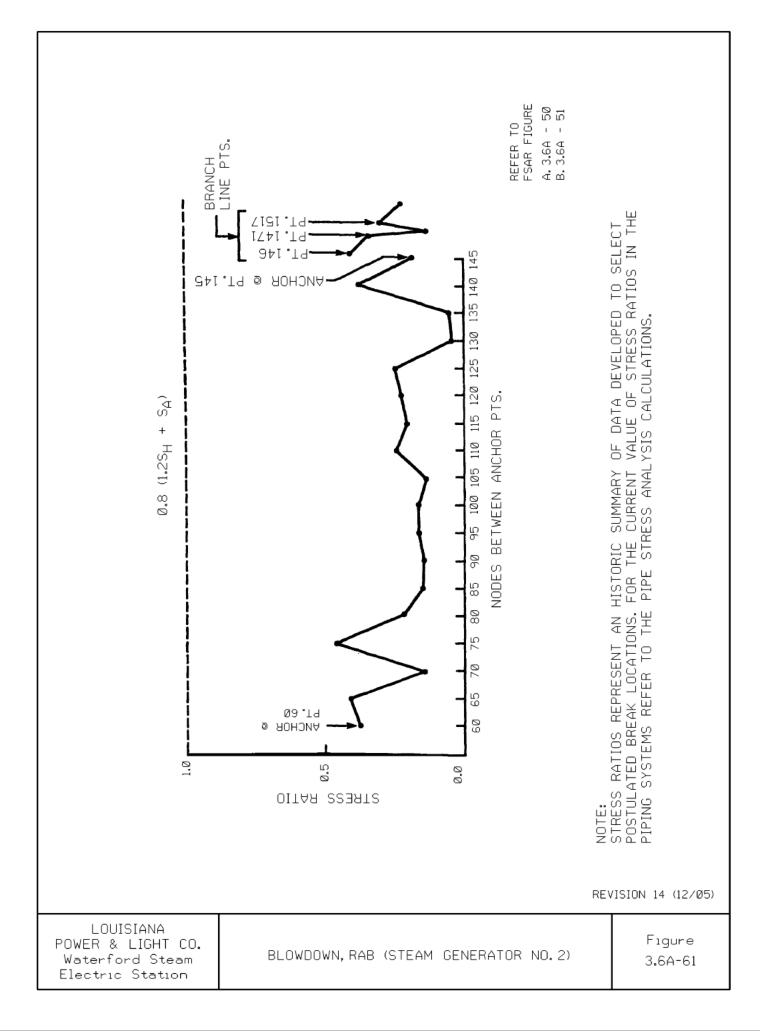
LOUISIANA POWER & LIGHT CO. Waterford Steam Electric Station

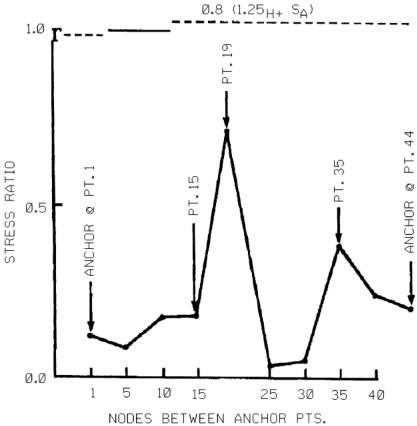
CVCS LETDOWN (RAB)

3.6A-58









REFER TO FSAR FIGURES

A. 3.6A - 28 B. 3.6A - 29

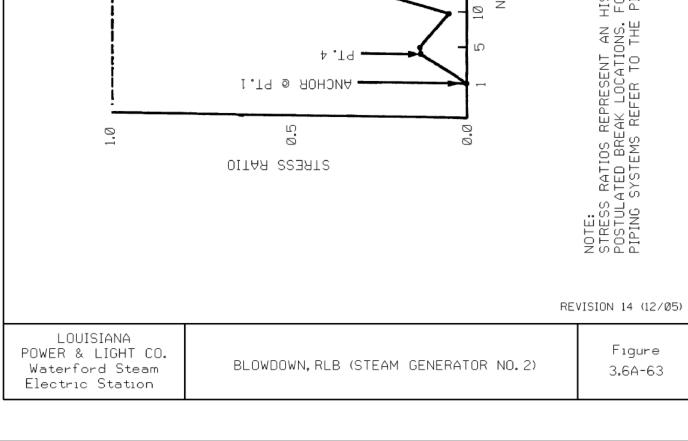
NOTE: STRESS RATIOS REPRESENT AN HISTORIC SUMMARY OF DATA DEVELOPED TO SELECT POSTULATED BREAK LOCATIONS. FOR THE CURRENT VALUE OF STRESS RATIOS IN THE PIPING SYSTEMS REFER TO THE PIPE STRESS ANALYSIS CALCULATIONS.

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Waterford Steam
Electric Station

CVCS LETDOWN (RCB)

Figure 3.6A-62



ANCHOR @ PT, 54

PT, 32

PT. 31

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0.8 (1.25H+ SA)

REFER TO FSAR FIGURES А. 3.6А В. 3.6А NOTE: STRESS RATIOS REPRESENT AN HISTORIC SUMMARY OF DATA DEVELOPED TO SELECT POSTULATED BREAK LOCATIONS, FOR THE CURRENT VALUE OF STRESS RATIOS IN THE PIPING SYSTEMS REFER TO THE PIPE STRESS ANALYSIS CALCULATIONS.

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45

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32

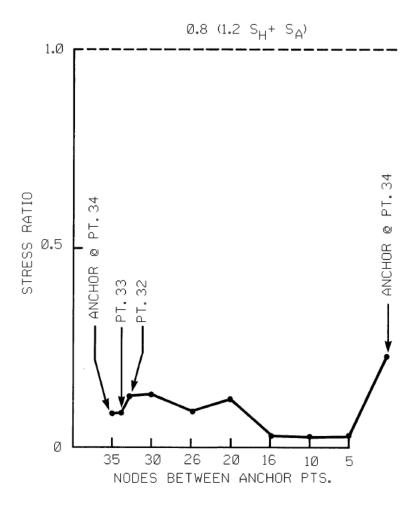
30

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NODES BETWEEN ANCHOR PTS.

 \sim 1 1



REFER TO FSAR FIGURE A. 3.6A - 3Ø

NOTE: STRESS RATIOS REPRESENT AN HISTORIC SUMMARY OF DATA DEVELOPED TO SELECT POSTULATED BREAK LOCATIONS. FOR THE CURRENT VALUE OF STRESS RATIOS IN THE PIPING SYSTEMS REFER TO THE PIPE STRESS ANALYSIS CALCULATIONS.

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Waterford Steam
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CVCS CHARGING (RCB, PENETRATION TO REGENERATIVE HEAT EXCHANGER)

Figure 3.6A-64

