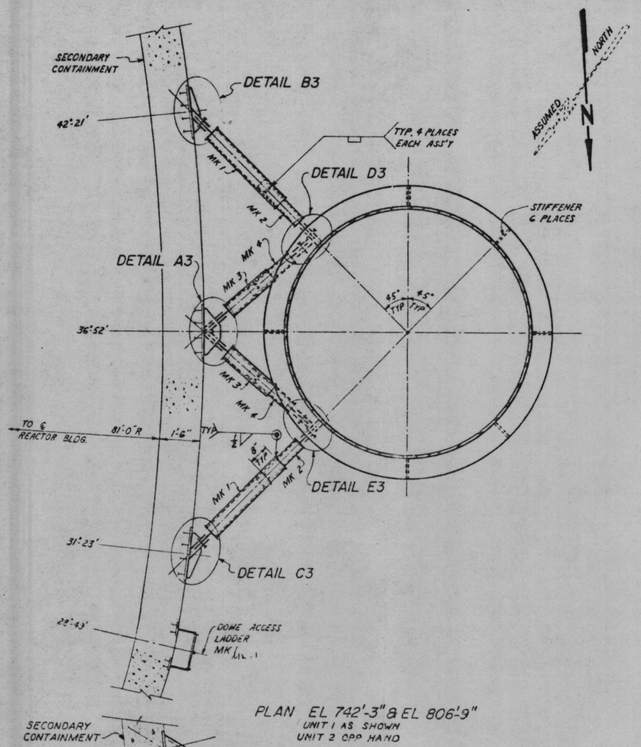
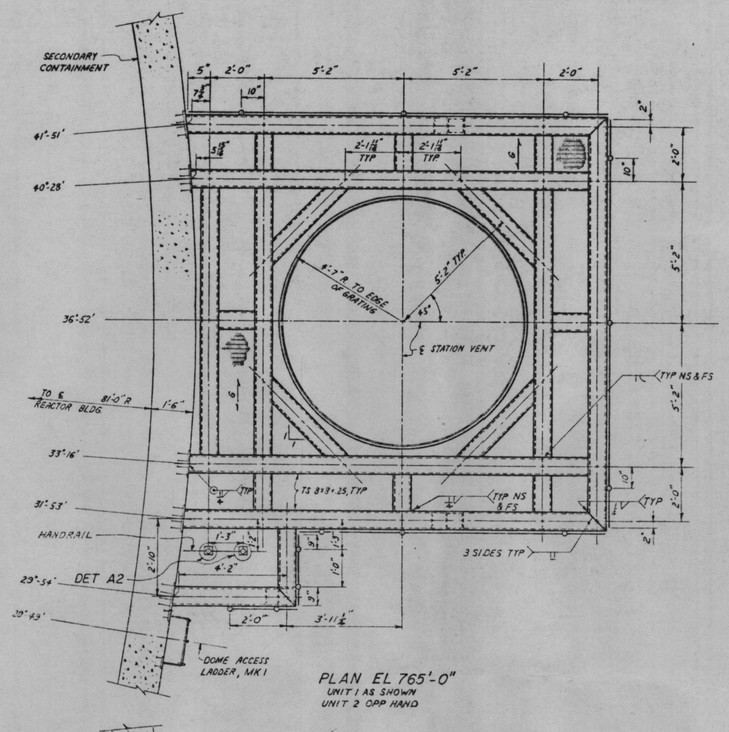
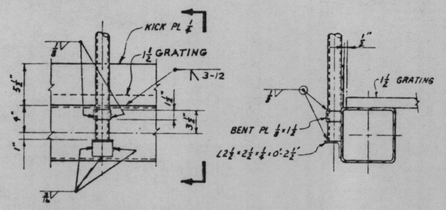


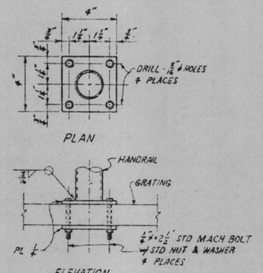
PLAN EL 742'-3" & EL 806'-9"
UNIT 1 AS SHOWN
UNIT 2 OPP HAND



PLAN EL 765'-0"
UNIT 1 AS SHOWN
UNIT 2 OPP HAND



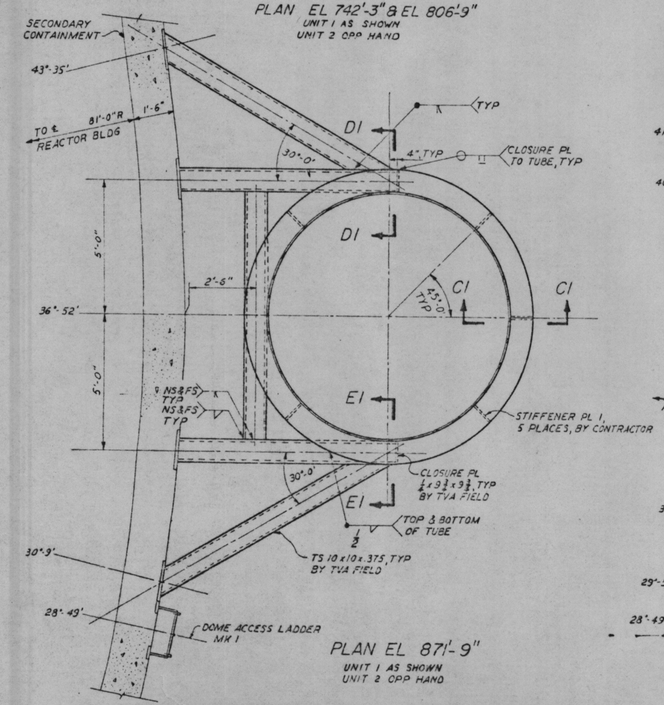
TYP. HANDRAIL POST & KICK PLATE DETAIL
SCALE: 1½"=1'-0"



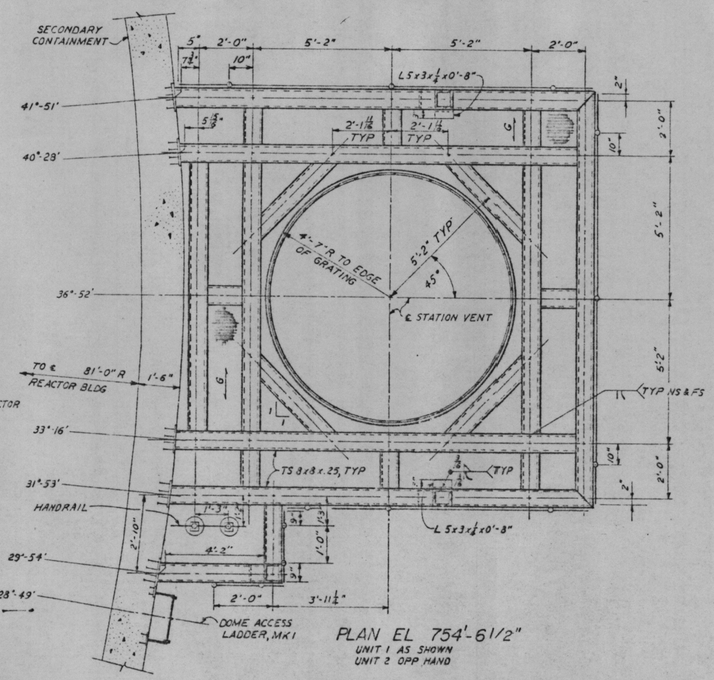
DETAIL A2
SCALE 3"=1'-0"

NOTES CONTINUED FROM 4RW0475-X2-01.

19. STRUCTURAL TUBING SHALL BE ASTM-A500 GRADE B.
20. BELLOWS DESIGN REQUIREMENTS:
    A. EXPANSION PIECE TO BE A-240-T304 SS.
    B. SPOOL PIECE TO BE ASTM-A588, ¼" THICK.
    C. FLOW AREA DIAMETER - 108"
    D. FLOW VELOCITY - 2900 FPM
    E. INTERNAL DESIGN PRESSURE - 3 PSIG
       EXTERNAL DESIGN PRESSURE - ½ PSIG
    F. CYCLE LIFE FOR TEMPERATURE DIFFERENTIAL:
       AT +25° - 15000 CYCLES
       AT +100° - 2500 CYCLES
    G. AXIAL DEFLECTION - 2"
    H. LATERAL DEFLECTION - 1"
    I. ENDS TO BE PREPARED FOR WELDING
    K. INSTALLED LENGTH - 48"
21. STATION VENT PLATE MATERIAL TO BE ASTM A588
22. STRUCTURAL STEEL PIPE SHALL BE ASTM A53 MATERIAL.
23. FABRICATOR TO PROVIDE LIFTING LUGS AND INTERNAL BRACING FOR SHIPPING.
24. LENGTHS OF STATION VENT SHOULD BE TO FACILITATE SHIPPING.
25. ALL WELDS JOINING STATION VENT PLATES TOGETHER SHALL BE FULL PENETRATION WELDS.
26. FOR GRATING SEE CONTRACT NO. TBK73-823950.



PLAN EL 871'-9"
UNIT 1 AS SHOWN
UNIT 2 OPP HAND



PLAN EL 754'-6½"
UNIT 1 AS SHOWN
UNIT 2 OPP HAND

SCALE: ¼"=1'-0"
EXCEPT AS NOTED

PRC APERTURE CARD

Docket # 50-438/439
Control # 8209080002
Date 8/23/82 of Document
REGULATORY DOCKET FILE

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	REP	SUBM	RECM	APPR

DSGN / DRWN / CHKD / SUPV — INSP / ENGINEER

REACTOR BUILDING
UNITS 1 & 2

MISCELLANEOUS STEEL
STATION VENT SUPPORTS &
SEC. DOME ACCESS LADDER

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED | RECOMMENDED | APPROVED

KNOXVILLE | 2-1-79 | 38 | 3 | 4RW0475-X2-02 R0

RECORD GRAPHICS AS CONSTRUCTED

PRINTS REQ'D OR OF PROJ. 2WB SIZE

WE, EE, CE, AD, CD, ED, HO, BF, SW, BL, PA

8209080050