



STRESS ANALYSIS DATA				
UNIT	NO.	DATE	BY	REVISION
10	OHBC-21-N2	OHBC-22	OHBC-23	OHBC-24
11	OHBC-25	OHBC-26	OHBC-27	OHBC-28
12	OHBC-29	OHBC-30	OHBC-31	OHBC-32
13	OHBC-33	OHBC-34	OHBC-35	OHBC-36
14	OHBC-37	OHBC-38	OHBC-39	OHBC-40
15	OHBC-41	OHBC-42	OHBC-43	OHBC-44
16	OHBC-45	OHBC-46	OHBC-47	OHBC-48
17	OHBC-49	OHBC-50	OHBC-51	OHBC-52
18	OHBC-53	OHBC-54	OHBC-55	OHBC-56
19	OHBC-57	OHBC-58	OHBC-59	OHBC-60
20	OHBC-61	OHBC-62	OHBC-63	OHBC-64
21	OHBC-65	OHBC-66	OHBC-67	OHBC-68
22	OHBC-69	OHBC-70	OHBC-71	OHBC-72
23	OHBC-73	OHBC-74	OHBC-75	OHBC-76
24	OHBC-77	OHBC-78	OHBC-79	OHBC-80
25	OHBC-81	OHBC-82	OHBC-83	OHBC-84
26	OHBC-85	OHBC-86	OHBC-87	OHBC-88
27	OHBC-89	OHBC-90	OHBC-91	OHBC-92
28	OHBC-93	OHBC-94	OHBC-95	OHBC-96
29	OHBC-97	OHBC-98	OHBC-99	OHBC-100

STRESS ANALYSIS DATA				
UNIT	NO.	DATE	BY	REVISION
10	OHBC-21-N2	OHBC-22	OHBC-23	OHBC-24
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18	OHBC-53	OHBC-54	OHBC-55	OHBC-56
19	OHBC-57	OHBC-58	OHBC-59	OHBC-60
20	OHBC-61	OHBC-62	OHBC-63	OHBC-64
21	OHBC-65	OHBC-66	OHBC-67	OHBC-68
22	OHBC-69	OHBC-70	OHBC-71	OHBC-72
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25	OHBC-81	OHBC-82	OHBC-83	OHBC-84
26	OHBC-85	OHBC-86	OHBC-87	OHBC-88
27	OHBC-89	OHBC-90	OHBC-91	OHBC-92
28	OHBC-93	OHBC-94	OHBC-95	OHBC-96
29	OHBC-97	OHBC-98	OHBC-99	OHBC-100

APPROX. L.F. 1955					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	
○	BLIND	○	RESTRAINT	○	ANCHOR
○	SPRING HANGER	○	FIXED HANGER	○	ANCHOR
○	DIRECTION OF RESTRAINT	○	DIRECTION OF EXPANSION	○	SHOULDER



1. ALL PIPING TO BE FABRICATED AND WELDED IN ACCORDANCE WITH SPECIFICATIONS: 7200-109, 10-202 (S-204)
2. FOR MATERIAL DESCRIPTION OF PIPE, VALVES AND FITTINGS, SEE PIPING CLASSIFICATION, P. 10-101
3. FOR PIPING AND INSTRUMENT DIAGRAM, SEE INC. 10-101
4. FOR EQUIPMENT LIST, SEE 10-101
5. FOR INSTANTANEOUS CONNECTION, SEE DRAWING 10-101-A, 10-101-B, 10-101-C, 10-101-D
6. NO ALLOWANCE HAS BEEN MADE FOR WELDED JOINTS OR GASKETS AND ALL PIPING IS ASSUMED TO BE IN THE CORRECT POSITION UNLESS OTHERWISE NOTED ON THE DRAWING
7. FOR PIPING SYSTEM COMPLETE DRAWINGS, THIS AREA HAS A-64, 10-101-A, 10-101-B
8. FOR DIMENSIONS, SEE 10-101, 10-102
9. PIPE HANGERS UNLESS OTHERWISE NOTED HAVE A RESTRAINT CORRELATING WITH THE PIPE, 10-101, 10-102, 10-103, 10-104
10. FOR PIPING AND INSTRUMENT SYMBOLS, SEE INC. 10-101, 10-102, 10-103, 10-104
11. PIPING HANGERS WHERE SPECIFICALLY NOTED ARE INDICATED (S)
12. FOR POINTS OF RESTRAINT, SEE DRAWING 10-101, 10-102, 10-103, 10-104
13. ALL PIPING TO BE WELDED TO THE SIDE OF PIPING VALVES AND PIPING HANGERS UNLESS OTHERWISE NOTED
14. ○ INDICATES REACTOR WELDING EXTENSION WALL PENETRATION
15. ○ INDICATES CLASH OR WALL PENETRATION

30X				
REV.	DESCRIPTION	DATE	BY	CHK.
1	REVISED TO REFLECT REV. OF H-1	10-101	J. H. HANCOCK	J. H. HANCOCK
2	REVISED TO REFLECT REV. OF H-2	10-101	J. H. HANCOCK	J. H. HANCOCK
3	REVISED TO REFLECT REV. OF H-3	10-101	J. H. HANCOCK	J. H. HANCOCK
4	REVISED TO REFLECT REV. OF H-4	10-101	J. H. HANCOCK	J. H. HANCOCK
5	REVISED TO REFLECT REV. OF H-5	10-101	J. H. HANCOCK	J. H. HANCOCK
6	REVISED TO REFLECT REV. OF H-6	10-101	J. H. HANCOCK	J. H. HANCOCK
7	REVISED TO REFLECT REV. OF H-7	10-101	J. H. HANCOCK	J. H. HANCOCK
8	REVISED TO REFLECT REV. OF H-8	10-101	J. H. HANCOCK	J. H. HANCOCK
9	REVISED TO REFLECT REV. OF H-9	10-101	J. H. HANCOCK	J. H. HANCOCK
10	REVISED TO REFLECT REV. OF H-10	10-101	J. H. HANCOCK	J. H. HANCOCK

BECHTEL				
MIDLAND PLANT UNITS 1 & 2				
CONSUMERS POWER COMPANY				
HANGER, SONETRIC				
AUXILIARY FEEDWATER				
SUCTION SYSTEM UNITS 1 & 2				
REV.	DATE	BY	CHK.	DATE
7220	H-634 SH-4 (Q)	5		

PRO POOR ORIGINAL
APERTURE
CARD

REV.	DATE	BY	CHK.	DATE
7220	H-634 SH-4 (Q)	5		

17"
11"
8.5"
8.5"
11"
17"

17"
11"
8.5"
8.5"
11"
17"

RIDS

8302160068

