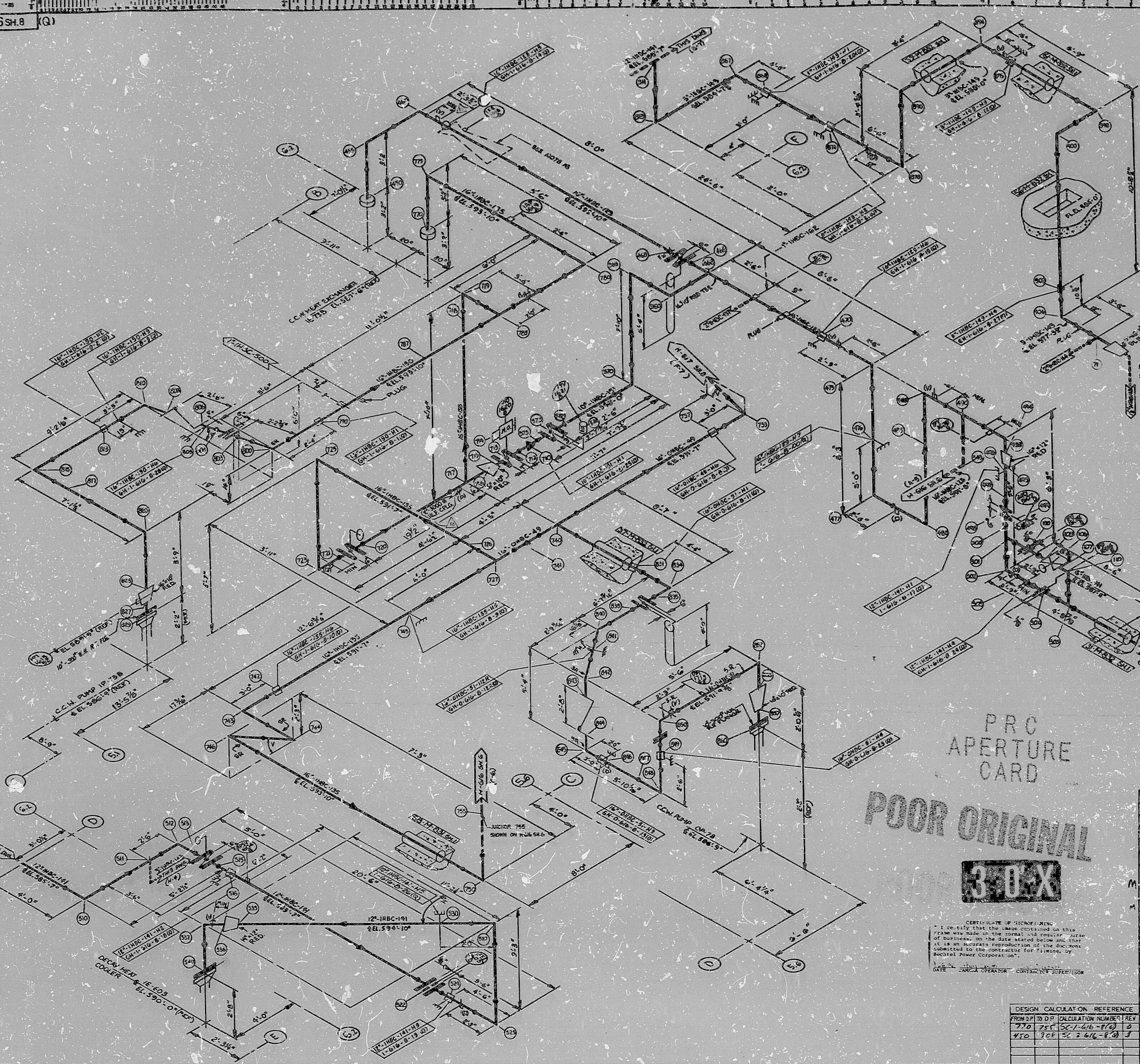
H-616 SH.8 (Q)



APPROX. 367 L.F.

STRESS ANALYSIS DATA

MATERIAL					
LINE NO.					
GRADE					
THICKNESS					

STRESS ANALYSIS DATA

MATERIAL					
LINE NO.					
GRADE					
THICKNESS					

GUIDE	RESTRAINT	
SPRING HANGER	RIGID HANGER	ANCHOR
DIRECTION OF RESTRAINT	DIRECTION OF EXPANSION	SNUBBER

NOTES

1. ALL PIPING TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH SPECIFICATION(S) 7220-M-204, M-204, M-209.
2. FOR MATERIAL DESCRIPTION OF PIPE, VALVES AND FITTINGS, SEE PIPING CLASS SHEET(S) [illegible]
3. FOR PIPING AND INSTRUMENT DIAGRAM SEE DWG. M-46 SH.1B; M-473 SH.1B
4. FOR EQUIPMENT LIST SEE [illegible]
5. FOR INSTRUMENT CONNECTION DETAIL SEE DRAWING [illegible]
6. NO ALLOWANCE HAS BEEN MADE FOR WELDED JOINTS OR GASKETS AND ALL PIPING IS DIMENSIONED IN THE COLD ERECTED POSITION UNLESS OTHERWISE NOTED ON THE DRAWING.
7. FOR PIPING STRESS COMPOSITE DRAWING(S) THIS AREA SEE M-32 SH.1, & M-60.
8. FOR INSULATION [illegible]
9. PIPE BENDS UNLESS OTHERWISE NOTED HAVE A MINIMUM CENTERLINE RADIUS OF FIVE (5) TIMES THE NOMINAL PIPE DIAMETER.
10. FOR PIPING AND EQUIPMENT SYMBOL SEE DWG. [illegible]
11. FIELD WELD JOINTS WHERE SPECIFICALLY REQUIRED ARE INDICATED (FW).
12. FOR VENTS AND DRAINS SEE [illegible] VENTS AND DRAINS ARE INDICATED (V) AND (D).
13. ALL FACE TO FACE AND END TO END DIM. OF FLANGED VALVES ARE PER ANSI B16.10 UNLESS OTHERWISE NOTED
14. ◇ INDICATES REACTOR BUILDING EXTERIOR WALL PENETRATION.
15. ▭ INDICATES FLOOR OR WALL PENETRATION.
16. THIS SPOOL TO BE SUPPLIED 8" LONGER THAN THE FINAL SPOOL DIMENSION & SHIPPED TO THE VENTURI MANUFACTURER FOR INSTALLATION & TESTING
17. HANGERS INDICATED ON THIS ISO ARE BECHTEL DESIGNED HANGERS, FOR ALL OTHER HANGERS THIS DWG SEE GRINNELL HANGER DWG GH-616 SH 8.

PRC APERTURE CARD

POOR ORIGINAL

30-X

CERTIFICATE OF MICROFILMING
"I certify that the image contained on this frame was made in the normal and regular course of business, on the date stated below and that it is an accurate reproduction of the document submitted to the contractor for filming, by Bechtel Power Corporation".

DATE CAMERA OPERATOR CONTRACTOR SUPERVISOR

DESIGN CALCULATION REFERENCE			
FROM D.P.	TO D.P.	CALCULATION NUMBER	REV
770	755	SC-1-616-8(4)	0
450	709	SC-2-616-8(3)	1

NO.	DATE	REVISIONS
9		REVISED TO REFLECT REV. 17 OF M-150
8		ADDED HGR TAGS. REV. HGR LOCATION & DIM.
7		REVISED TO REFLECT REV. 16 OF M-150
6		REV. TO REFLECT REV 15 OF M-150, ADDED HGR I.D TAGS & NOTE 17
5		REVISED TO REFLECT REV. 14 OF M-150
4		REVISED TO REFLECT REV 13 OF M-150
3		REVISED TO REFLECT M-150
2		REVISED AS INDICATED
1		REVISED TO REFLECT REV. 8 OF M-150 & REVISED C.M.
0		ISSUED FOR SUPPORT FAB.

SCALE NONE

BECHTEL
ANN ARBOR, MICHIGAN

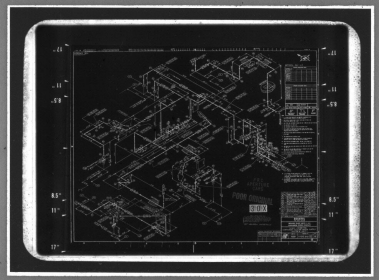
MIDLAND PLANT UNITS 1 & 2
CONSUMERS POWER COMPANY

HANGER ISOMETRIC
COMPONENT COOLING WATER SUPPLY
SYSTEM B UNIT I

JOB No.	DRAWING No.	REV.
7220	H-616 SH.8 (Q)	10

RIDS

8302150247



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