



POOR ORIGINAL

	HANGER
	HANGER BRACKET
	HANGER SUPPORT
	ANCHOR
	WELDED JOINT
	FLANGE

- NOTES:**
1. ALL PIPING TO BE FABRICATED AND ERRECTED IN ACCORDANCE WITH SPECIFICATIONS 2200-200.
 2. FOR MATERIAL DESCRIPTIONS OF PIPE, VALVES AND FITTINGS, SEE PIPING CLASS SHEETS NO. 14-241.
 3. FOR PIPING AND INSTRUMENT DIAGRAMS SEE DWG. H-603 SH.1 & H-603 SH.2
 4. FOR EQUIPMENT LIST SEE H-603.
 5. FOR INSTRUMENT CONNECTION DETAILS SEE DRAWING H-603.
 6. NO ALLOWANCE HAS BEEN MADE FOR WELDED JOINTS OR GALVANIZING AND ALL PIPING IS CONSIDERED IN THE FIELD ERRECTED POSITION UNLESS OTHERWISE NOTED ON THE DRAWING.
 7. FOR PIPING SYSTEM COMPOSITE DRAWINGS THIS AREA SEE H-603 SH.3, H-603 SH.4, H-603 SH.5 & H-603 SH.6, H-603 SH.7 & H-603 SH.8.
 8. FOR INSULATION SEE DWG. H-603.
 9. FIRE RINGS UNLESS OTHERWISE NOTED HAVE A MINIMUM INTERNAL RADIUS OF FIVE (5) TIMES THE NOMINAL PIPE DIAMETER.
 10. FOR PIPING AND INSTRUMENT SYMBOLS SEE DWG. H-603 SH.9.
 11. FIELD WELD JOINTS WHERE SPECIFICALLY NOTED ARE UNDRILLED (UW).
 12. FOR PORTS AND DRAINS SEE DRAWING H-603 SH.10, H-603 SH.11 & H-603 SH.12.
 13. ALL FACE TO FACE AND END TO END DIMS. IF PERMITTED SHALL BE FOR ASSEMBLY UNLESS OTHERWISE NOTED.
 14. INDICATES REACTOR INCLUDING EXTERIOR WALL PENETRATIONS.
 15. INDICATES FLANGE OR WALL PENETRATIONS.
 16. HANGERS INDICATED ON THIS DRAWING ARE BECHTEL DESIGNED HANGERS. FOR ALL OTHER HANGERS THIS DIMS SEE GENNELL HANGER DWG. SH.603 SH.13.



REV	DESCRIPTION	DATE	BY	CHK
1	ISSUED FOR SUPPORT FAB. J.M.			
2	REVISED AS INDICATED			
3	REVISED TO AGREE WITH M-150			
4	REVISED TO REFLECT REV. 4 OF M-150			
5	REVISED TO REFLECT REV. 7 OF M-150			
6	REVISED TO REFLECT REV. 8 OF M-150			
7	REVISED TO REFLECT REV. 9 OF M-150			
8	REVISED TO REFLECT REV. 10 OF M-150			
9	REVISED TO REFLECT REV. 11 OF M-150			
10	REVISED TO REFLECT REV. 12 OF M-150			

BECHTEL
ANN ARBOR, MICHIGAN

MIDLAND PLANT UNITS 1 & 2
CONSUMERS POWER COMPANY

HANGER ISOMETRIC
MAKE-UP AND PURIFICATION
SYSTEM UNIT-1

JOB NO.	DRAWING NO.	REV.
7220	H-603 SH.13(Q)	7

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