



- NOTES**
1. REPLACE GE SUPPLIED SPIRAL BOTTLE CONNECTORS ON CO<sub>2</sub> MANIFOLD WITH PIPE CAPS.
  2. VENT TO ROOF MUST BE SHIELDED ON OUTSIDE OF BUILDING AND TAKE A 90° TURN TO PREVENT RAIN OR SNOW FROM ENTERING IT.
  3. THIS DIAGRAM IS TAKEN FROM GE DRAWING 129 U 1977 U-IT-1 AND VP M-88-B.
  4. GE SUPPLIED PIPE WILL BE SUFFICIENT TO RUN 1/2" LINE APPROX. 50 FEET FROM H<sub>2</sub> CONTROL VALVES TO H<sub>2</sub> RESERVE MANIFOLD.
  5. HYDROGEN BULK SUPPLY UNIT WILL BE LOCATED OUTSIDE.
  6. UNDERGROUND PIPING SHALL BE COATED AND WRAPPED IN ACCORDANCE WITH T220-G-8. CATHODIC PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH T220-E-40.
  7. ADD REMOVABLE PIPE CAPS TO GE SUPPLIED SPIRAL BOTTLE CONNECTORS FOR POSSIBLE FUTURE USE.
  8. O.C.E.T.E.D.
  9. HELP TO INSTALL REMOVABLE SPOOL PIECE WITH SCREENED LUNGS, ALSO HELP TO PROVIDE THREADED BLANK FITTINGS FOR PROTECTING THE UNION THREADS WHEN THE SPOOL IS REMOVED.
  10. FOR GENERATOR CASE MONITOR PIPING INSTRUCTIONS REFER TO GEN-43010 FOUND IN THE INSTRUCTIONS MANUAL GEN-50003 VOL. II.

NO.	DESCRIPTION	DATE	BY	CHKD.
1	REVISED AS INDICATED ON REV SHEET M-463 SH1A REV 5	11/15/58	J.P.	J.P.
2	REVISED AS INDICATED TRUC. GEN. 3, 4 & 5 GEN. M-509 (M-380)	11/15/58	J.P.	J.P.
3	REWORK CENTER ADDED AND REVISED AS INDICATED	11/15/58	J.P.	J.P.
4	INCORPORATE AND REVISED AS INDICATED	11/15/58	J.P.	J.P.
5	INCORPORATE AND REVISED AS INDICATED	11/15/58	J.P.	J.P.
6	FOR CONSTRUCTION THIS DESIGN IS TO BE USED FOR THE H <sub>2</sub> SUPPLY SYSTEM COMPLETELY REDESIGNED AND REVISED AS INDICATED	11/15/58	J.P.	J.P.
7	REWORK CENTER ADDED AND REVISED AS INDICATED	11/15/58	J.P.	J.P.
8	REWORK CENTER ADDED AND REVISED AS INDICATED	11/15/58	J.P.	J.P.
9	REWORK CENTER ADDED AND REVISED AS INDICATED	11/15/58	J.P.	J.P.
10	REWORK CENTER ADDED AND REVISED AS INDICATED	11/15/58	J.P.	J.P.

**BECHTEL**  
475 ARBOR, MICHIGAN

MIDLAND PLANT UNITS 1 & 2  
CONSUMERS POWER COMPANY

PIPING AND INSTRUMENT DIAGRAM  
MISCELLANEOUS GAS SUPPLY  
HYDROGEN SUPPLY SYSTEM

JOB NO.	DRAWING NO.	REV.
7220	M-463 SH1A	5

PRO APERTURE CARD

8.5" 11" 17"

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30 X 30

RIDS

8302140146

