



**FURNACE SPECIFICATIONS:**  
WORK AREA = 36" DIA. RETORT x36" HI.  
MAX. GROSS LOAD = 1,000 LBS.  
MAX. FURNACE-OPERATING TEMP. = 2300° F.  
MAX. RETORT-OPERATING TEMP. = 2200° F.  
TEMPERATURE UNIFORMITY = ±15° F. @2200° F.

- UTILITY REQUIREMENTS:**
- ATMOSPHERE GAS:**  
HYDROGEN = 1000 SCFH  
ARGON = 1000 SCFH
  - ELECTRICITY:** 480 VOLTS-3Ø-60 HZ.  
450 AMP. MAIN CIRCUIT BREAKER, PROVIDED.  
a. CONTROLS & MOTORS = 50 AMPS.  
b. HEATING SYSTEM = 225 KVA (400 AMPS.)
  - WATER:** 20 GPM MAX. FLOW @ 45 PSIG.  
INLET WATER TEMP. = 80° F.

DEC 18 2000

REV.	DATE	DESCRIPTION	BY	CHK
<div><div><div>THIS DWG. IS THE PROPERTY OF G.M. ENTERPRISES AND SHALL NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF THIS COMPANY.</div><div>ALL DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED.</div><div>TOLERANCES UNLESS SPECIFIED: BASIC DIMS. FRACTIONS/DECIMALS X.X. 1/32" / .015" X.XX. 1/16" / .031" X.XXX. 1/8" / .062" UP TO 6" 1/4" / .125" 6" TO 24" 3/16" / .1875" ABOVE 24" 1/2" / .500"</div><div>ANGULAR DIMS ±1/2°</div><div>BREAK ALL SHARP EDGES .005"</div><div>ALL MACH. SURF. UNLESS SPECIFIED 125</div><div>NEXT ASSEMBLY:</div></div><div><div>DRAWN J.M.</div><div>DATE 11-16-00</div><div>DRAWING NUMBER D-2203-0</div></div><div><div>CHECKED</div><div>SCALE 1/4"=1'-0"</div><div>SHEET 1 of 1</div></div><div><div>APPROVED</div><div>CAD FILE D22030-1</div><div>SHEET 1 of 1</div></div></div>				



Industrial Furnaces & Systems

## BUILDING FLOOR PLAN

WITH FURN.#2203 & FURN.#1420  
#SAR-3636-BL HYDROGEN RETORT FURNACE  
Cherry Point Naval Supply Ctr. N.Carolina