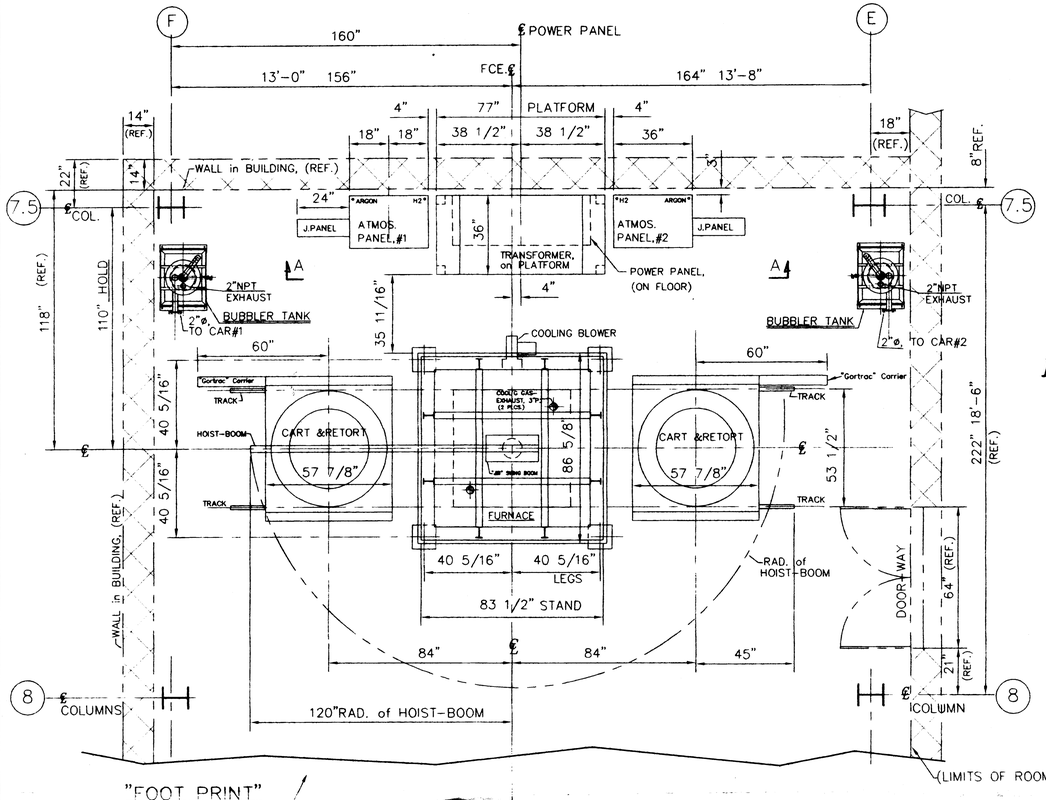
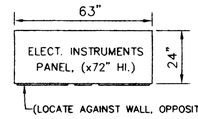
FURNACE SPECIFICATIONS:

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.

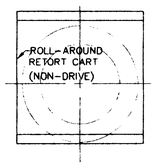
UTILITY REQUIREMENTS:

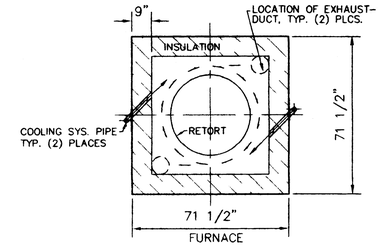
1. ATMOSPHERE GAS:
   HYDROGEN = 1000 SCFH
   ARGON = 1000 SCFH
2. ELECTRICITY: 480 VOLTS-3ø-60 HZ.
   450 AMP. MAIN CIRCUIT BREAKER, PROVIDED.
   a. CONTROLS &MOTORS = 50 AMPS.
   b. HEATING SYSTEM = 225 KVA (400 AMPS.)
3. WATER: 20 GPM MAX. FLOW @ 45 PSIG.
   INLET WATER TEMP.=80° F.





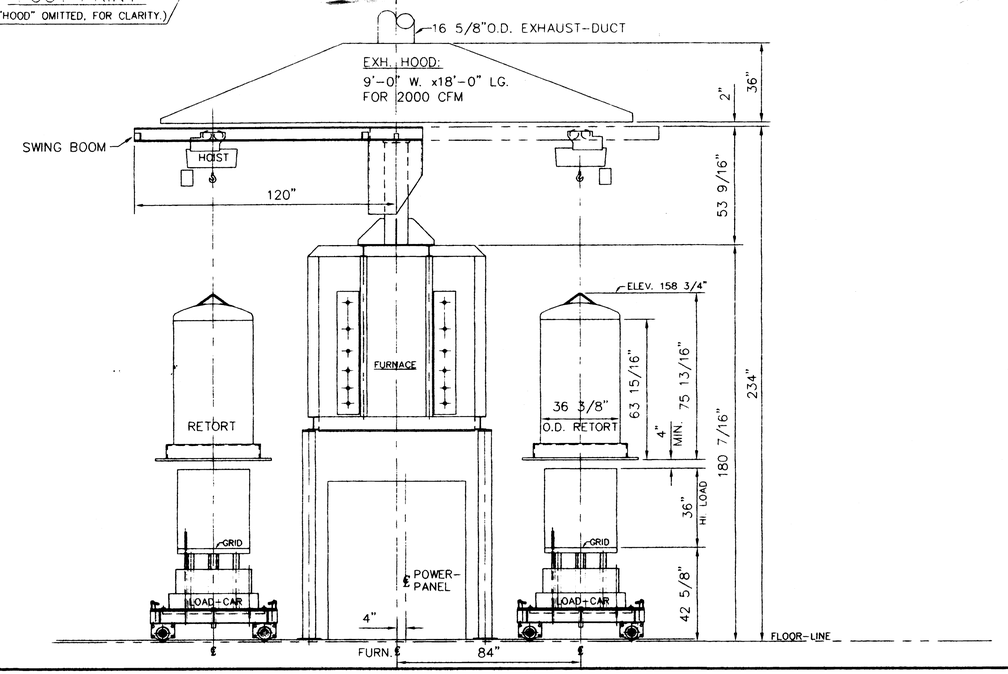
NORTH

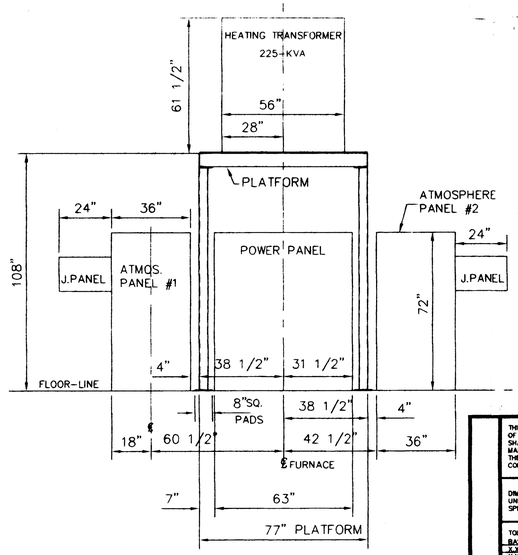




"SECTION VIEW"

"FOOT PRINT"
(w/"HOOD" OMITTED, FOR CLARITY.)





VIEW "A-A"

NOTE: ONE (1) ASSEMBLY REQD.

DEC 18 2000

REV.	DATE	DESCRIPTION	BY	CK

THIS DWG. IS THE PROPERTY OF G.M. ENTERPRISES AND SHALL NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF THIS COMPANY.

DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED.

TOLERANCES ON:

BASIC DIMS.	FRACTIONS	DECIMALS
X.X"	±1/32"	±.100
X.XX"	±1/32"	±.030
X.XXX"	±1/64"	±.010
UP TO 6"	±1/32"	±.031
6" TO 24"	±3/64"	±.047
ABOVE 24"	±1/16"	±.063

ANGULAR DIMS ±1/2°

BREAK ALL SHARP EDGES .005"

ALL MACH. SURF. 125 UNLESS SPECIFIED

NEXT ASSEMBLY :

Industrial Furnaces & Systems

TITLE

H2 RET.FURNACE-FLOOR PLAN

WITH "BUBBLER" EXHAUST SYSTEM
#SAR-3636-BL HYDROGEN RETORT FURNACE
Cherry Point Naval Supply Ctr. N.Carolina

DRAWN BY JM.	CHECKED	APPROVED	
DATE 11-6-00	SCALE 3/8"=1'-0"	CAD FILE D22031-1	
DRAWING NUMBER D-2203-1		REV.	SHEET 1 OF 2