

DESIGN DATA
MODEL BP-2424018

PROCESS CHAMBER:

DIMENSIONS:

WORKING ENVELOPE: 24" W X 240" D X 18" H
INSIDE DIMENSIONS: 38" W X 246" D X 36" H

DESIGN LOAD: (Load of steel that will be heated to 750°F in one hour or less) 6,000 POUNDS
CART LOAD CAPACITY: 7,200 POUNDS
CART SIZE: 24" W X 240" L
OPERATING TEMPERATURE: 650°F TO 900°F
EXCESS TEMPERATURE SET POINT: 50°F-100°F OVER SET POINT
OVER TEMPERATURE SUPPRESSION SET POINT: 20°F -50°F OVER SET POINT
BURNER CAPACITY: (2 X 500,000 BTU'S) 1,000,000 BTU'S

THERMAL OXIDIZER:

OPERATING TEMPERATURE RANGE: 1400°F-1600°F
RETENTION TIME AT TEMPERATURE: 0.5-1.0 SECONDS
APPROXIMATE CAPACITY: 7 LBS. PER HOUR
TEMPERATURE SUPPRESSION SET POINT: 100°F OVER SET POINT
EXCESS TEMPERATURE SET POINT. 1850°F
BURNER CAPACITY: 350,000 BTU'S
STACK LENGTH: 12' STANDARD
TOTAL HEIGHT (GROUND TO TOP OF STACK): 16'-0"

UTILITIES REQUIRED:

NATURAL GAS:

AT 7" INCHES WATER COLUMN (0.25 PSI) PRESSURE UNDER FLOW.
STATIC PRESSURE NOT TO EXCEED 14" W.C.
REGULATORS DO NOT FUNCTION PROPERLY BELOW 6"W.C.
MAXIMUM CAPACITY: 1,350 CFH (CUBIC FEET/ HOUR)
NORMAL USAGE: 810 CFH (CUBIC FEET/ HOUR)

ELECTRICAL:

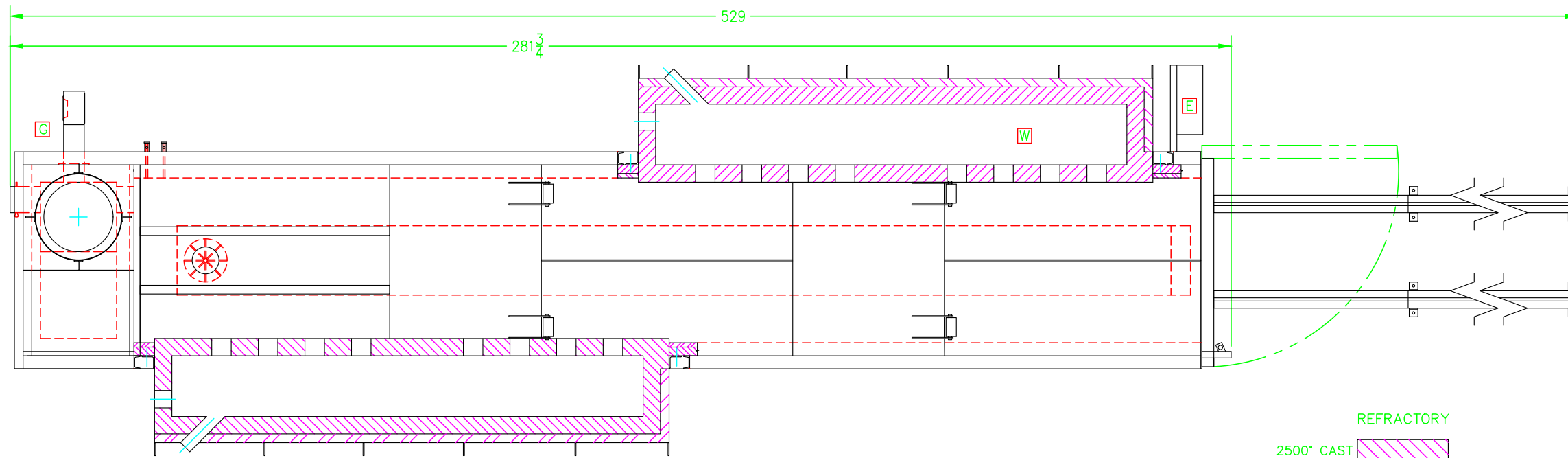
DEDICATED 120V/ 1 PH/ 60 HZ SERVICE: 15 AMPS (OVEN)
DEDICATED 230V/ 3 PH/ 60 HZ SERVICE: 20 AMPS (SS BLOWER)

WATER:

CONNECTION 3/4": 35-50 PSI UNDER FLOW
ONLY REQUIRED FOR OVER
TEMPERATURE CONDITIONS

PERFORMANCE WARRANTY:

PROPOSED EQUIPMENT IS WARRANTED TO BE CAPABLE OF OPERATING AT THE HEAT OUTPUT AND TEMPERATURE RANGE SHOWN ABOVE, PROVIDED PROPER UTILITIES ARE CONNECTED AND THAT THE EQUIPMENT IS PROPERLY MAINTAINED. THERMAL OXIDIZER CAPACITY RATING MAY VARY DUE TO TYPE OF COATING, LOADING CONFIGURATION, PROCESS TEMPERATURE SETTING AND CYCLE TIME.

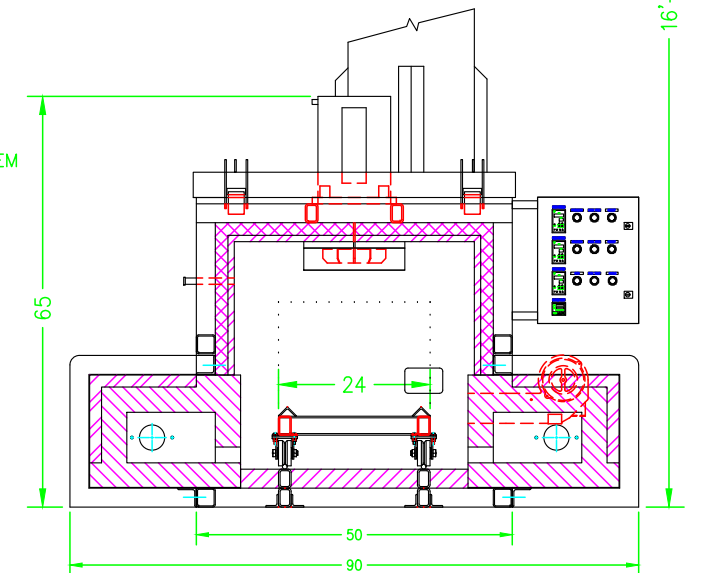
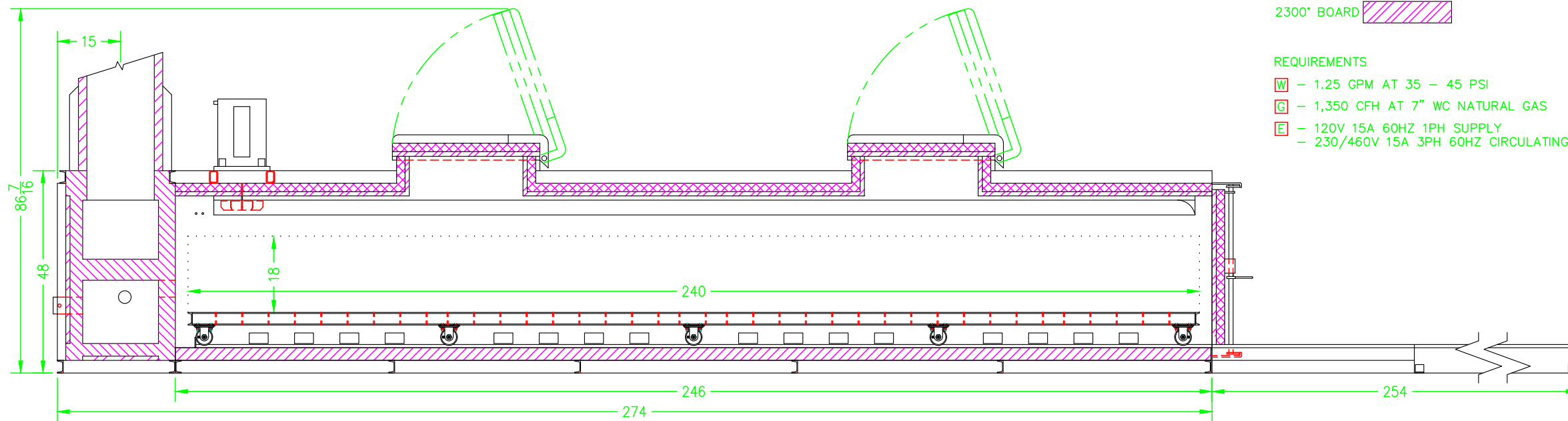
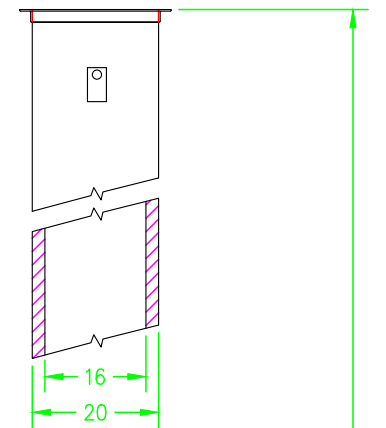


REFRACTORY

- 2500° CAST
- 2300° CAST
- 1200° BLOCK
- 2300° BOARD

REQUIREMENTS

- W** - 1.25 GPM AT 35 - 45 PSI
- G** - 1,350 CFH AT 7" WC NATURAL GAS
- E** - 120V 15A 60HZ 1PH SUPPLY
- 230/460V 15A 3PH 60HZ CIRCULATING SYSTEM



THIS CONCEPTUAL DRAWING IS PROVIDED TO ILLUSTRATE BASIC DESIGN AND APPROXIMATE OVER ALL DIMENSIONS.

THIS DRAWING IS PROPRIETARY INTELLECTUAL PROPERTY OF GUSPRO INC. AND IS NOT TO BE REPRODUCED OR DISTRIBUTED IN ANY MANNER WITHOUT THE EXPRESSED WRITTEN PERMISSION OF GUSPRO INC.

	OVEN NO.	DATE
	BP-2424018	1/AUG/14
	CUSTOMER'S NAME	
	CUSTOMER'S ADDRESS	
DRAWN BY	APPROVED BY	REVISION DATE
J.M.S.		

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BURNER CAPACITY: 350,000 BTU'S
STACK LENGTH: 12' STANDARD
TOTAL HEIGHT (GROUND TO TOP OF STACK): 16'-0"

UTILITIES REQUIRED:

LIQUID PROPANE GAS:

AT 11" INCHES WATER COLUMN (0.40 PSI) PRESSURE UNDER FLOW.
MAXIMUM CAPACITY: 1,350,000 BTU/HR
NORMAL USAGE: 810,000 BTU/HR

ELECTRICAL:

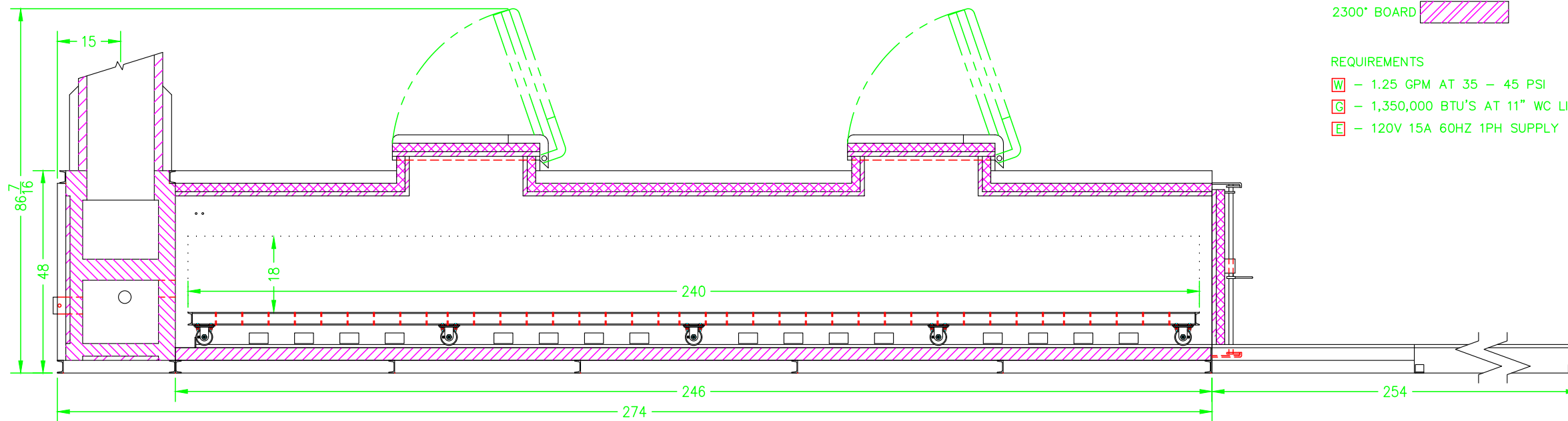
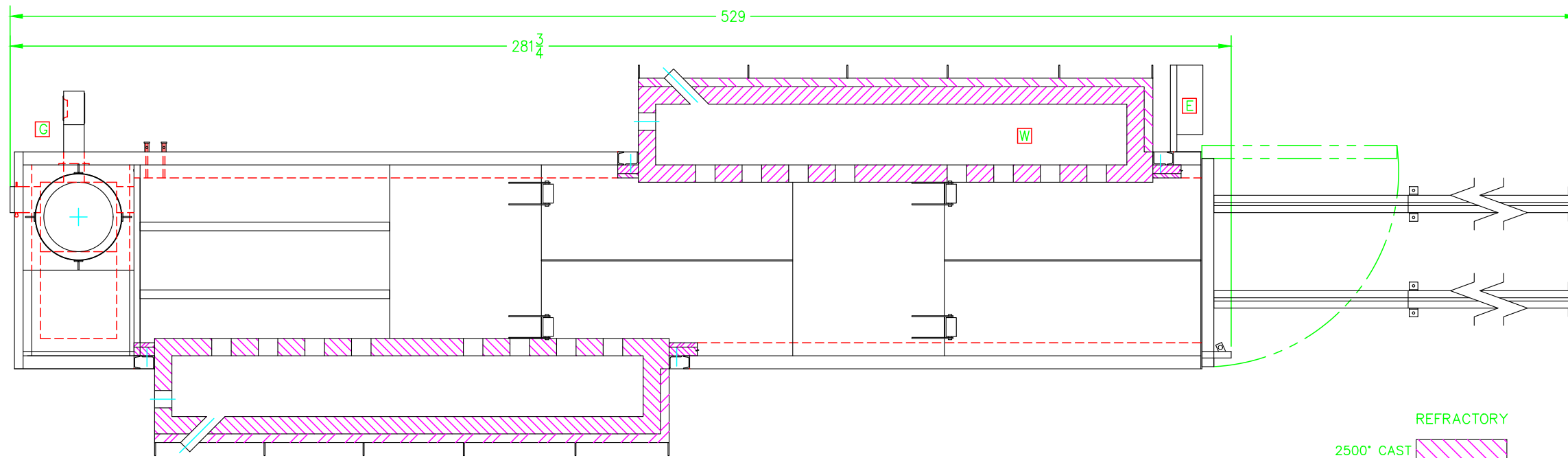
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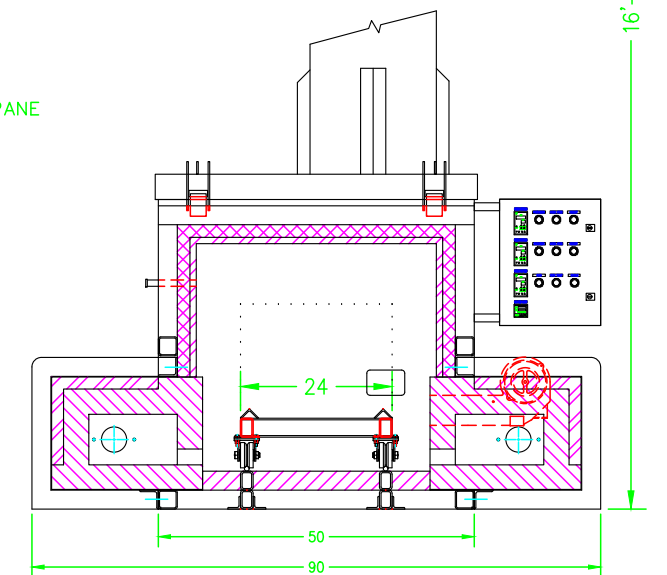
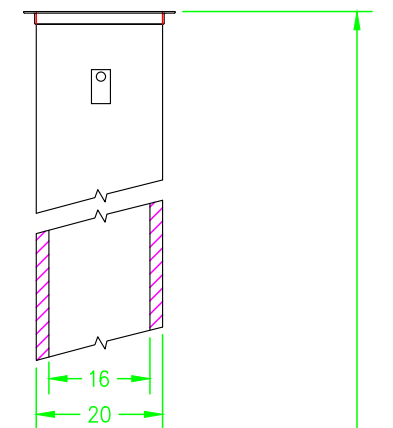
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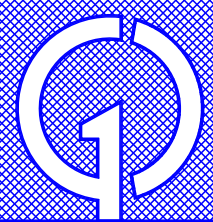
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 - 1200° BLOCK
 - 2300° BOARD

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