HD Communications Corp.

HD30999
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system for easy installation
High power solid-state devices
Suitable for linear CW and composite signals applications
Built-in protection circuits
High efficiency, reliability and ruggedness

ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	1.3 GHz ±5 MHz	
Peak Output Power @ P1dB	3.8 KWatt Min	CW
Power Gain	56 dB Min	
Input /Output Return Loss	10 dB Min	Relative to 50 Ohm
Harmonics $2^{nd}/3^{rd}$	>45/60 dBc	
Spurious	60 dBc Min	Non Harmonics
Operating Voltage	208 VAC 3 Phase	
Power Consumption	12 KWatt Max	At rated Pout
Max Input Power	+15 dBm	Without damage
Load VSWR Protection	10 : 1	

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	R5U + R7U + R5U	See outline drawing
Weight	-	
RF Connectors In/Out	Type N F / WR650 Waveguide	Front Panel Standard
Cooling	Built in forced air	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, Optional GPIB Interface	Remote Bluetooth application

ENVIRONMENTAL CHARACTERISTICS

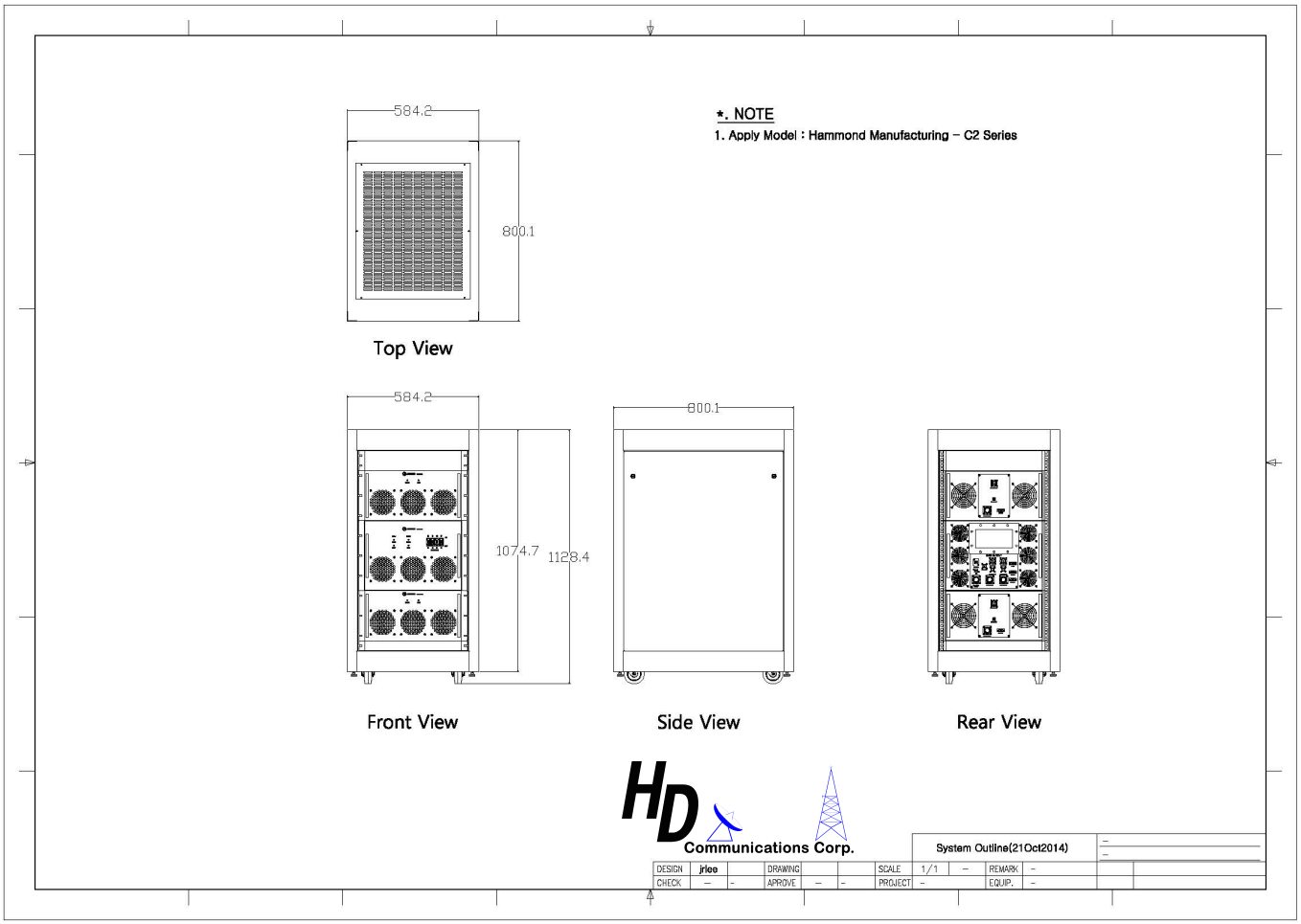
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50°C	
Storage Temperature	-20 to +70°C	
Relative Humidity	95% @ 40°C	Non Condensing
Shock & Vibrations	MIL STD 810E	

332C Dante Ct. Holbrook, NY 11741 Phone: 631-588-3877 Fax: 631-648-0518
www.rfcomp.com www.rfamplifiers.com sales@hdcom.com

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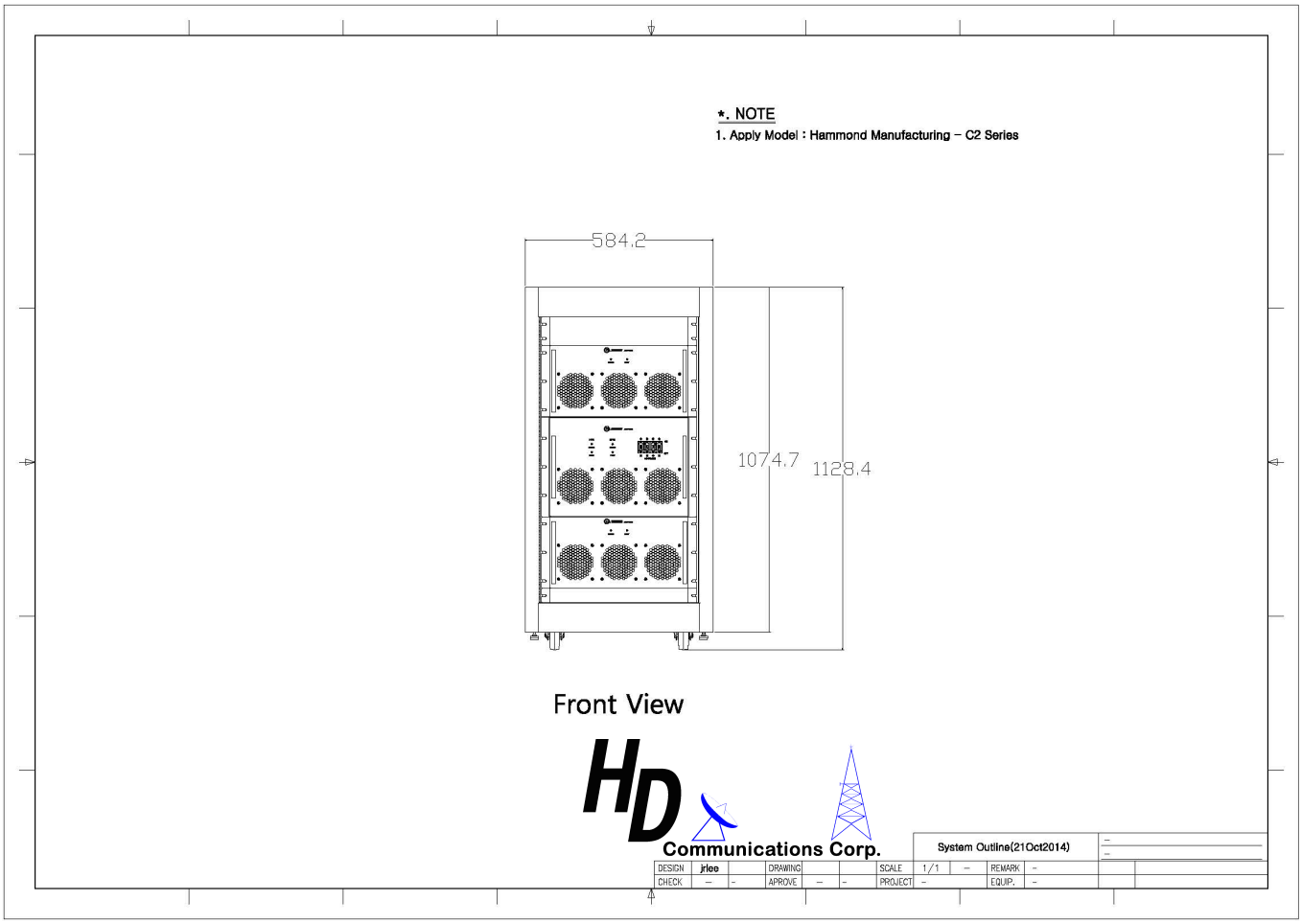
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OUTLINE DRAWING



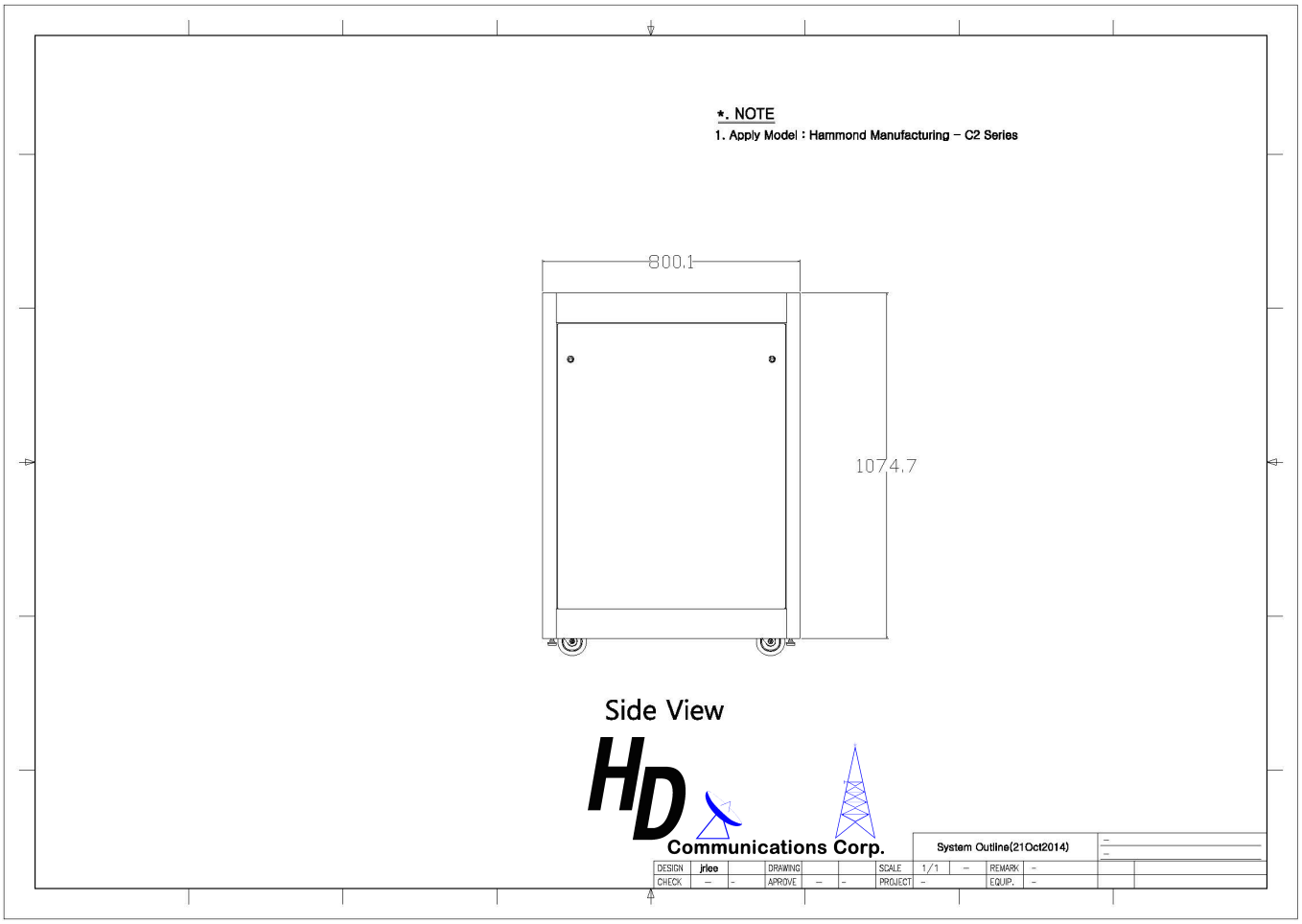
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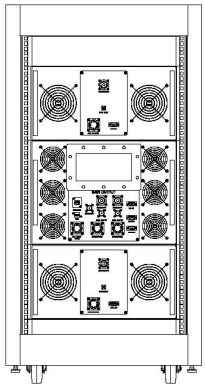


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*. NOTE

1. Apply Model : Hammond Manufacturing – C2 Series



Rear View

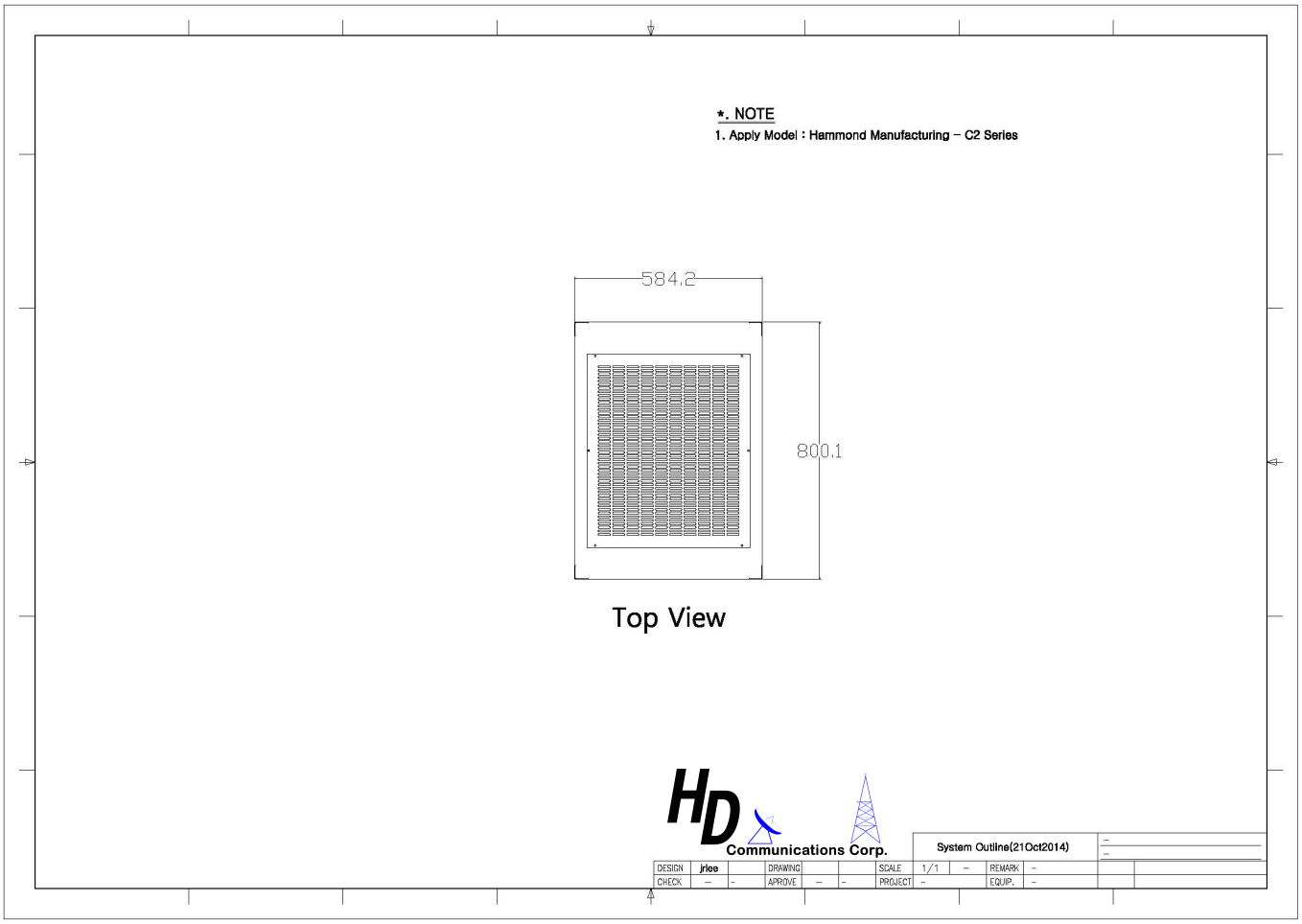
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System Outline(21Oct2014)

DESIGN	jrlee		DRAWING			SCALE	1/1	–	REMARK	–	
CHECK	–	–	APPROVE	–	–	PROJECT	–		EQUIP.	–	

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