/Contractor Responsibilities

g Validity – These drawings, supporting structural calculations and design certification are on the order documents as of the date of these drawings. These documents describe the al supplied by the manufacturer as of the date of these drawings. Any changes to the order ents after the date on these drawings may void these drawings, supporting structural tions and design certification. The Builder/Contractor is responsible for notifying the building ty of all changes to the order documents which result in changes to the drawings, supporting ral calculations and design certification.

Acceptance of Drawings – Approval of the manufacturer's drawings and design data affirms he manufacturer has correctly interpreted and applied the requirements of the order ents and constitutes Builder/Contractor acceptance of the manufacturer's interpretations of der documents and standard product specifications, including its design, fabrication and quality standards and tolerances. (AISC code of standard practice Sept 86 Section 4.2.1)(Mar 05 4.1)

fficial Approval – It is the responsibility of the Builder/Contractor to ensure that all project and specifications comply with the applicable requirements of any governing building authority. ilder/Contractor is responsible for securing all required approvals and permits from the riate agency as required.

is responsible for State, Federal and OSHA safety compliance – The Builder/Contractor is sible for applying and observing all pertinent safety rules and regulations and OSHA standards licable.

g Erection – The Builder/Contractor is responsible for all erection of the steel and associated compliance with the Metal Building Manufacturers drawings. Temporary supports, such as ary guys, braces, false work or other elements required for erection will be determined, ed and installed by the erector (AISC Code of Standard Practice Sept 86 Section 7.9.1) (Mar tion 7.10.3)

ancies – Where discrepancies exist between the Metal Building plans and plans for other the Metal Building plans will govern. (AISC Code of Standard Practice Sept 86 Section 3.3) 5 Section 3.3)

ls by Others – All interface and compatibility of any materials not furnished by the acturer are the responsibility of and to be coordinated by the Builder/Contractor or A/E firm. specific design criteria concerning any interface between materials if furnished as a part of der documents, the manufacturers assumptions will govern.

ion of Errors – Normal erection operations include the correction of minor misfits by ite amounts of reaming, chipping, welding or cutting and the drawing of elements into line h the use of drift pins. Errors which cannot be corrected by the foregoing means or which major changes in the member configuration should be reported immediately to the owner and tor by the erector, to enable whoever is responsible either to correct the error or to approve st efficient and economical method of correction to be used by others. (AISC Code of rd Practice Sept 86 Section 7.12)(Mar 05 Section 7.14)

ation of the Metal Building from Plans – The Metal Building supplied by the manufacturer has esigned according to the Building Code and specifications and the loads shown on this . Modification of the building configuration, such as removing wall panels or braces, from own on these plans could affect the structural integrity of the building. The Metal Building acturer or a Licensed Structural Engineer should be consulted prior to making any changes to lding configuration shown on these drawings. The Metal Building Manufacturer will assume no sibility for any loads applied to the building not indicated on these drawings.

Commitment

tal Building Manufacturer has a commitment to manufacture quality building components that safely erected. However, the safety commitment and job site practices of the erector are the control of the building manufacturer. It is strongly recommended that safe working ons and accident prevention is the top priority of any job site. Local, State and Federal and health standards, whether standard statutory or customary, should always be followed to sure worker safety. Make certain all employees know the safest and most productive way to building. Emergency procedures should be known to all employees. Daily meetings ting safety procedures are also recommended. The use of hard hats, rubber sole shoes for rk, proper equipment for handling material, and safety nets where applicable, are ended. For purposes of determining lift requirements, no bundles supplied by the acturer will exceed 4000 lbs. For further information also reference the bill of materials for al member weights of other structural members. If additional information is required contact stomer service department.

tion Design

tal Building Manufacturer is not responsible for the design, materials and workmanship of the tion. Anchor rod plans prepared by the manufacturer are intended to show only location, er and projection of the anchor rods required to attach the Metal Building System to the tion. It is the responsibility of the end customer to ensure that adequate provisions are or specifying rod embedment, bearing values, tie rods and or other associated items ded in the concrete foundation, as well as foundation design for the loads imposed by the Building System, other imposed loads, and the bearing capacity of the soil and other ons of the building site. (MBMA 06 Sections 3.2.2 and A3)

rimed Steel

ctural members of the Metal Building System not fabricated of corrosion resistant material or ed by a corrosion resistant coating are painted with one coat of shop primer meeting the nance requirements of SSPC Paint Specification No. 15. All surfaces to receive shop primer are of loose rust, loose mill scale and other foreign matter by using, as a minimum, the hand eaning method SSPC–SP2 (Steel Structures Painting Council) prior to painting. The coat of rimer is intended to protect the steel framing for only a short period of exposure to ordinary heric conditions. Shop Primed steel which is stored in the field pending erection should be ee of the ground and so positioned as to minimize water–holding pockets, dust, mud and ontamination of the primer film. Repairs of damage to primed surfaces and/or removal of material due to improper field storage or site conditions are not the responsibility of the acturer. The Manufacturer is not responsible for deterioration of the shop coat of primer or on that may result from exposure to atmospheric and environmental conditions, nor the ibility of the primer to any field applied coating. Minor abrasions to the shop coat (including zing) caused by handling, loading, shipping unloading and erection after painting or galvanizing voidable. Touch–up of these minor abrasions is the responsibility of the End Customer (MBMA 3.2.4)

ar Materials

llow your roof to come in contact with, or water runoff from, any dissimilar metal including limited to: Copper and Arsenic Salts used in treated lumber, Calcium used in concrete and grout.

Removal

eign debris such as sawdust, dirt, animal droppings, etc. will cause corrosion of the roof, trim, etc. if left on building surfaces for a long enough time. The roof should be periodically ed for such conditions and if found, they should be removed.

A&S BUILDING SYSTEMS

1880 HWY. 116, CARYVILLE, TENNESSEE 37714
PHONE: 865–426–2141 FAX: 865–426–2011

ENGINEERING DESIGN CRITERIA

Building Code	2007 Florida with 2009 Amendments
Occupancy Category	Normal (Category II)
Roof Dead Load	
Superimposed	2.79 psf
Collateral	2.00 psf
(0.00 psf Ceiling 2.00 psf Other)	
Roof Live Load	20.00 psf reduction allowed
Wind	
Basic Wind Speed	110.00 mph
Wind Importance Factor (I)	1.00
Wind Exposure Category	C
Internal Pressure Coef (GCpi)	0.55/-0.55

Loads for components not provided by building manufacturer
Corner Areas (within 4.80' of corner) 34.43 psf pressure -42.98 psf suction
Other Areas 34.43 psf pressure -36.56 psf suction
These values are the maximum values required based on a 10 sq ft area.
Components with larger areas may have lower wind loads.

PROJECT NOTES

Material properties of steel bar, plate, and sheet used in the fabrication of built-up structural framing members conform to ASTM A529, ASTM A572, ASTM A1101 SS, or ASTM A1011 HSLAS with a minimum yield point of 50 ksi. Material properties of hot rolled structural shapes conform to ASTM A992, ASTM A529, or ASTM A572 with a minimum specified yield point of 50 ksi. Hot rolled angles, other than flange braces, conform to ASTM 36 minimum. Hollow structural shapes conform to ASTM A500 grade B, minimum yield point is 42 ksi for round HSS and 46 ksi for rectangular HSS. Material properties of cold-formed light gage steel members conform to the requirements of ASTM A1011 SS Grade 55, or ASTM A1011 HSLAS Class 1 grade 55, with a minimum yield point of 55 ksi.

All bolted joints with A325M-09 Type 1 bolts are specified as snug-tightened joints in accordance with the 'Specification for Structural Joints Using ASTM A325 or A490 Bolts, June 30, 2004'. Pretensioning methods, including turn-of-nut and calibrated wrench are NOT required.

This project is designed using manufacture's standard serviceability standards. Generally this means that all stresses and deflections are within typical performance limits for normal occupancy and standard metal building products. If special requirements for deflections and vibrations must be adhered to, then they must be clearly stated in the contract documents.

The manufacturer does not assume any responsibility for the erection nor field supervision of the structure and or any special inspections (including inspection of high strength bolts or field welds) as required during erection. The coordination and costs associated for setting up any Special Inspections are the responsibility of the Erector, Owner, Architect, or Engineer of Record.

The framing as shown at EWB (Line 1) is not designed for future expansion. Corresponding frame reactions are calculated based upon actual tributary area.

The framing as shown at EWD (Line 4) is not designed for future expansion. Corresponding frame reactions are calculated based upon actual tributary area.

Using standard gutter with 4 x 5 downspouts, the roof drainage system has been designed using the method outlined in the MBMA Metal Building Systems Manual. Downspout locations have not been located on these drawings. The downspouts are to be placed on the building sidewalls at a spacing not to exceed 23.34 feet with the first downspout from both ends of the gutter run within 1.0 feet of the end. Downspout spacing that does not exceed the maximum spacing will be in compliance with the building code. The gutter and downspout system as provided by the manufacturer is designed to accommodate 10 in/hr rainfall intensity as it corresponds to a 5 year recurrence interval.

Product approval numbers for the State of Florida, Department of Community Affairs per Product Rule 9B-72:

1. Panel Walls
   FL11917.4 MBCI PBR 22, 24, 26 and 29 gauge walls
   Not yet assigned DuraRib 24 gauge walls
   Approved product evaluation report is available upon request until Florida Building Department assigns an approval number.
3. Roofing Products
   FL11868.2 MBCI PBR 22, 24, and 26 gauge roofs
   FL11819.1 MBCI BattenLok HS 22 and 24 gauge roofs, 12" and 16" wide
   FL11819.2 MBCI DoubleLok 22 and 24 gauge roofs, 12", 18" and 24" wide
   FL11819.4 MBCI SuperLok 22 and 24 gauge roofs, 12" and 16" wide
   FL11819.5 MBCI UltraDek 24 gauge roofs
   FL11868.3 MBCI PBU 22, 24, 26 gauge roofs

Drawing Index

Revison	Date	Description	By	Ck'd
A	04/12/11	FOR CONSTRUCTION PERMIT	EDB	MARK

A&S BUILDING SYSTEMS
1880 HWY. 116, CARYVILLE, TENNESSEE 37714
PHONE: 865–426–2141 FAX: 865–426–2011

Project Name & Location:
RING POWER CORPORATION
390 SW RING COURT
LAKE CITY FL 32025

Customer:
METAL BUILDING SPECIALIS
1266 LECHLADE ST.
JACKSONVILLE FL 32205

☒ For Construction Permit ☐ For Erector Installation
☐ Preliminary ☐ For Approval
Drawing Status:

Scale:	NOT TO SCALE	
Drawn by:	EDB	4/8/11
Checked by:	MARK	4/12/11
Project Engineer:	JRF	
Job Number:	22–T–53538–1	
Sheet Number:	E1 of 11	

The engineer whose seal appears hereon is an employee for the manufacturer for the materials described herein. Said seal or certification is limited to the products designed and manufactured by manufacturer only. The undersigned engineer is not the overall engineer of record for this project.

Aaron K. Batchellor, P.E.
Florida P.E. 67187

COLUMBIA COUNTY BUILDING DEPT. Rec. FILE Copy Codes Compliance PLANS EXAMINER

AARON K. BATCHELLOR LICENSE No. 67187 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 13, 2011