

A Nucor Company

124 KIRBY DRIVE, PORTLAND, TN 37148

"THE DIFFERENCE IN METAL BUILDINGS"



METAL BUILDING MANUFACTURERS ASSOCIATION MEMBER



ACCREDITED AC472

GENERAL NOTES:

- 1. MATERIALS**

STRUCTURAL STEEL PLATE	ASTM DESCRIPTION
HOT ROLLED MILL SHAPES	A529 / A572 / A1011
COLD FORM SHAPES	A36 / A529 / A572 / A500
ROOF AND WALL SHEETING	A653 / A1011
BOLTS	A653 / A792
CABLE	A307 / A325
RODS	A475 / A572 / A108
- 2. A325 BOLT TIGHTENING REQUIREMENTS**

BOLTED JOINTS SHALL BE CONNECTED AND INSPECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS," JUNE 30,2004, RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS. UNLESS NOTED OTHERWISE ON THE KBS ERECTION DRAWINGS, ALL A325 BOLTS LARGER THAN 1/2"Ø ARE USED IN CONNECTIONS DEFINED AS Snug Tight
- 3. STRUCTURAL SHOP COAT PAINT**

THE COAT OF SHOP PRIMER IS INTENDED TO PROTECT THE STEEL FRAMING FOR ONLY A SHORT PERIOD OF EXPOSURE TO ATMOSPHERIC CONDITIONS. SHOP COAT PRIMER DOES NOT PROVIDE THE APPEARANCE, DURABILITY AND/OR PROTECTION OF AN APPROPRIATE FIELD APPLIED FINISH. KIRBY STANDARD SHOP COAT PAINT SHALL MEET OR EXCEED THE REQUIREMENTS OF FEDERAL SPECIFICATION TTP-636.
- 4. TEMPORARY PANEL STORAGE**

PAINTED BUILDING PANELS WITH FLUOROPOLYMER FINISH ARE HIGH-QUALITY CONSTRUCTION MATERIALS. WHILE IN THE BUNDLE, PANELS SHOULD BE PROTECTED FROM HIGH TEMPERATURE, HUMIDITY AND MOISTURE, OTHERWISE, DAMAGE CAN OCCUR TO THE PAINTED SURFACE OF THE PANEL. PLEASE REFER TO THE "WARNING LABEL" THAT KIRBY APPLIES TO EACH BUNDLE OF FLUOROPOLYMER FINISHED PANELS FOR PROPER STORAGE PROCEDURES.
- 5. TEMPORARY BRACING**

BUILDER/CUSTOMER SHALL SPECIFICALLY NOTE THAT BRACING FURNISHED BY KIRBY IS INTENDED TO BE USED FOR THE COMPLETED BUILDING; KIRBY DOES NOT REPRESENT OR GUARANTEE THAT THE BRACING WILL BE ADEQUATE AS TEMPORARY BRACING DURING ERECTION OF THE BUILDING.
- 6. PANEL HANDLING**

METAL BUILDING PANELS ARE WAXED OR OILED FOR FINISH PROTECTION DURING SHIPPING AND STORAGE. THE WAX OR OIL MAKES THE PANELS SLIPPERY AND HAZARDOUS TO WALK ON OR STAND ON. THE WAX OR OIL CAN BUILD UP ON SHOES, GLOVES, AND CLOTHING MAKING CLIMBING OR WALKING ON OTHER COMPONENTS HAZARDOUS.
- 7. ERECTION NOTES**

THE BUILDING MUST BE ERECTED ACCORDING TO THE FRAMING PLANS, STANDARD DETAILS, SPECIAL DETAILS, AND NOTES TO ASSURE COMPLIANCE WITH DESIGN LOADS AND BUILDING CODE REQUIREMENTS. FIELD MODIFICATION OF THE BUILDINGS OR BUILDING COMPONENTS WHICH WILL AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL BY AN AUTHORIZED REPRESENTATIVE OF KIRBY BUILDING SYSTEMS.
- 8. WELDING SPECIFICATIONS**

ALL SHOP WELDS ON MATERIALS GREATER THAN OR EQUAL TO 0.125" IN THICKNESS WERE PRODUCED IN ACCORDANCE WITH THE 2004 AWS D1.1 STRUCTURAL WELDING CODE - STEEL. THE REMAINING WELDS ON OTHER THINNER MATERIALS WERE PRODUCED IN ACCORDANCE WITH THE 1998 AWS D1.3 STRUCTURAL WELDING CODE - SHEET STEEL. ALL WELDING WAS PERFORMED BY AWS CERTIFIED WELDERS.
- 9. BUILDING MAINTENANCE MANUAL**

AVAILABLE AT http://www.kirbybuildingsystems.com/for_metal_building_systems_builders.asp

JOB NUMBER: K13B0648A
 BUILDER: FLYNN CONSTRUCTION
 CUSTOMER: EVOLUTION ROCK
 LOCATION: PORTLAND, ME

PRIMER COLOR DESIGNATION

RD - STANDARD RED PRIMER
 GP - GRAY PRIMER
 GZ - GALVANIZED

TABLE OF CONTENTS

DRAWING NO.	DRAWING TITLE	DRAWING NO.	DRAWING TITLE
C1	FASTENER CONVERSION CHART	E12	RIGHT ENDWALL
E1	ANCHOR BOLT PLAN	E13	CROSS SECTION LN AA
E2	CROSS SECTION LN 1	E14	ROOF FRAMING PLAN (ENTRY)
E3	CROSS SECTION LNS 3 5	D1-D3	ERECTION DETAILS
E4	CROSS SECTION LNS 7 9 11		
E5	CROSS SECTION LN 13		
E6	ROOF FRAMING PLAN (MAIN BLDG)		
E7	ROOF FRAMING PLAN (LEAN-TO)		
E8	BACK SIDEWALL		
E9	FRONT SIDEWALL LN A		
E10	FRONT SIDEWALL LN D		
E11	LEFT ENDWALL		

BUILDING LOADS / DESCRIPTION:

CERTIFICATION EXTENDS ONLY FOR THE LOADS SPECIFIED ON KIRBY'S PURCHASE ORDER TO THE STRUCTURAL COMPONENTS OF THE BUILDING DESIGNED AND SUPPLIED BY KIRBY BUILDING SYSTEMS, INC., IF ERECTED AS INDICATED. NOTE THAT KIRBY'S ENGINEER IS NOT ENGINEER OF RECORD FOR THIS CONSTRUCTION PROJECT. DESIGN LOADS HAVE BEEN APPLIED IN ACCORDANCE WITH THE FOLLOWING.

THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY : 2009 INTERNATIONAL BUILDING CODE

THE CONTRACTOR IS TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT.

ROOF DEAD LOAD: 3.0 PSF (MB/LT) 3.2 PSF (EB) (ROOF PANELS & PURLINS)
OCCUPANCY CATEGORY: II - Normal
COLLATERAL LOAD: 7 PSF (MB/LT) 5 PSF (EB)
GROUND SNOW LOAD: 60 PSF Is: 1.00 Ct: 1.00 Ce: 1
ROOF SNOW LOAD: 49 PSF MINIMUM SNOW LOAD: 20.00 PSF
RAIN ON SNOW SURCHARGE: N/A PSF RAIN W/ SNOW (IF REQ'D): N/A PSF
ROOF LIVE LOAD: 20.00 PSF TRIBUTARY REDUCTION: No
FRAME LIVE LOAD: 20 PSF
BASIC WIND SPEED: 100 MPH EXPOSURE: C Iw: 1.00 KZT: 1.0
SEISMIC CRITERIA: Ss: 0.32 S1: 0.12 SDS: 0.33 SD1: 0.19
SEISMIC USE GROUP: SITE CLASS: D Ie: 1.00
SEISMIC DESIGN CATEGORY: C TL: 6

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
LATERAL DIRECTION - BASE SHEAR: 0.52 KIPS(EB) 8.12 KIPS(LT) 12.24 KIPS(MB) R:3.0 CS:0.11
STRUCTURAL SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCEPT CCS
LONGITUDINAL DIRECTION - BASE SHEAR: 0.55 KIPS(EB) 3.91 KIPS(MB) 22.42 KIPS(MB) R:3.0 CS:0.11
STRUCTURAL SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCEPT CCS
DEAD LOAD: NORMAL WEIGHT OF METAL BUILDING COMPONENTS AS SUPPLIED BY THE MANUFACTURER
 THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC.) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE DESIGN CODE LISTED ABOVE.

OTHER LOADS

ENGINEER NOTES

THE MEZZANINE SHALL NOT BEAR ON KBS MATERIALS

PRIMER:

STRUCTURAL FRAMING: GRAY PRIMER
SECONDARY FRAMING: GRAY PRIMER

ROOF PANELS:

TYPE: 24 GA KLM W/HIGH CLIPS
COLOR: Zinc-Aluminum

WALL PANELS:

TYPE: 26 GA KR2
COLOR: Fox Gray SP

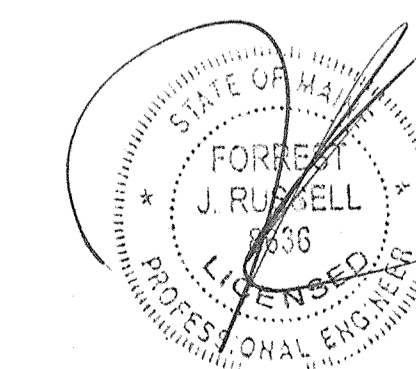
SOFFIT PANELS:

TYPE: X
COLOR: X

LINER PANELS:

TYPE: X
COLOR: X

SPECIAL NOTES:



1/7/14

ENGINEER SEAL