



GENERAL NOTES:

MATERIALS STRUCTURAL STEEL PLATE
HOT ROLLED MILLS SHAPES
HSS ROUND
HSS RECTANGULAR
COLD FORM SHAPES
ROOF AND WALL SHEETING

AS529 / A572 / A1011 A36 / A529 / A572 / A500 A653 / A792 A307 / A325 / A490 A475 A529 / A572

2. STRUCTURAL PRIMER NOTE

2. STRUCTURAL PRIMER NOTE:

SHOP COAT PRIMER IS INTERNED TO PROTECT THE STEEL FRAMING FOR A SHORT PRIVOD OF TIME. STORAGE IN EXTREME COLD TRAFFER THES OR WHITER SHOW CONDITIONS, INCLUDING TIMES STORAGE IN EXTREME COLD TRAFFER THES OR WHITER SHOW CONDITIONS, INCLUDING THAN SPORTATION ON BALTED OR CHEMICALLY THEATED BEFORE OR THE PROVIDE THE UNFORMATIVE OF ADMINISTRATION OF THE PRIMER. THE COAT OF SHOP PRIMER TOCS NOT PROVIDE THE UNFORMATIVE OF ADMINISTRATION OF THE SHOP PRIMER. MINOR ABRASIONS TO THE SHOP PRIMER OR SHOW THE SHOP PRIVAL OR SHOW THE SHOP PRIMER OR OR SHOW THE SHOP PRIMER OR OR SHOW THE SHOP PRIMER OR OR SHOP SHOW THE SHOP PRIMER OR OR SHOP SHOW THE SHOP PRIMER OR OR SHOW THE SHOW THE SHOP PRIMER OR OR SHOW THE SHOP PRIMER OR OR SHOW THE S

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SUPPORTS SINCE STANDARD OF STANDARD SYSTEM OF THE PROPARY

ARE TO BE DETERMINED, PLUMNISHED ASSEMBLED STEEL FRAMING, AGAINST LOADS

COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED IN ADDITION TO
LOADS RESULTING FROM THE ERECTION OFFERTAMING. AGAINST LOADS

COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED IN ADDITION TO
LOADS RESULTING FROM THE ERECTION OFFERTAMING. SCONDARY WALL AND ROOF FRAMING

(GRITS, PURLINS, ANDIOR JOISTS) ARE NOT DESIGNED TO FUNCTION AS A WORKING PLATFORM OR

TO PROVIDE AS AN AUCHORAGE POINT FOR A FALL AMPRIETT, SAFETY THE OFF.

3. A223 & A490 BOLT TIGHTENING REQUIREMENTS.
IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE
WITH APPLICABLE REGULATION, FOR PROJECTS IN THE UNITED STATES SEE THE RCGS.
WITH APPLICABLE REGULATION, FOR PROJECTS IN THE UNITED STATES SEE THE RCGS.
SEE THE AMOUNT OF STRUCTURAL JOINTS USING AZES OF A490 BOLTS OF FOR PROJECTS IN CANADA.
SEE THE AMOUNT OF STRUCTURAL SOURCE STRUCTURES FOR MORE INFORMATION.

THE FOLLOWING CRITERIA MAY BE USED TO DETERMINE THE BOLT TIGHTNESS (I.E., "SNUG-TIGHT OR "FULLY-PRETENSIONED"), UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR CONTRACT REQUIREMENTS:

A) ALL A490 BOLTS SHALL BE "FULLY-PRETENSIONED".
B) ALL A325 BOLTS IN PRIMARY FRAMING (RIGID FRAMES AND BRACING) MAY BE "SNUG-TIGHT".
EXCEPT AS FOLLOWS: "FULLY-PRETENSION" A325 BOLTS IF:

JAPOLIUMS TOLLYPRETENSION AZES BOLTS #*

18 BULDING SUPPORTS A CRAME SYSTEM WITH A CAPACITY GREATER THAN 6 TONS.

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C) IN CANADA, ALL A325 AND A490 BOLTS SHALL BE "FULLY PRE-TENSIONED". EXCEPT FOR SECONDARY MEMBERS (PURLINS, GIRTS, OPENING FRAMING, ETC.) AND FLANGE BRACES SECONDARY MEMBER (PURLIN, GIRT, OPENING FRAMING, ETC.) AND FLANGE BRACE CONNECTIONS MAY ALWAYS BE "SNUG-TIGHT", UNLESS INDICATED OTHERWISE IN THESE DRAWINGS.

6. GENERAL DESIGN NOTES:

8. GENERAL DESIGN NOTES:

1. ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH ANSWAYS. 390 SPECIFICATIONS FOR STRUCTURAL STEEL BULDINGS OR THE CANCCA STIBLURING STRUCTURAL STEEL BURDINGS OR THE CANCCA STIBLURING STRUCTURAL STEEL BEASED ON ETHER AWAS D.1. "STRUCTURAL WELDING CODE 20 ALL WELDING OF STRUCTURAL STEEL IS BASED ON ETHER AWAS D.1. "STRUCTURAL WELDING CODE 3. ALL WELDING STRUCTURAL STEEL IS BASED ON ETHER AWAS D.1. "STRUCTURAL WELDING CODE 3. ALL WELDING STRUCTURAL STEEL STRUCTURAL STEEL STRUCTURAL STRUCTURAL STRUCTURAL STRUCTURAL STRUCTURAL STRUCTURAL MEMBERS, AS REQUIRED BY THE SPECIFIED BUILDING CODE. AS REQUIRED STRUCTURAL STRUCTURAL WELDING CODE SHEET STRUCTURAL WELDING CODE AS REQUIRED BY THE SPECIFIED BUILDING CODE. SHEET STRUCTURAL STRUCTURAL SPECIFIED BUILDING CODE. STRUCTURING OF METAL BUILDING SYSTEMS. CENTIFIED BY APPLICABLES FOR THE SPECIFIED BUILDING CODE. STRUCTURING OF METAL BUILDING SYSTEMS. CENTIFIED BY THE SPECIFIED BUILDING CODE. STRUCTURING OF METAL BUILDING SYSTEMS. CENTIFIED BY THE SPECIFIED BUILDING CODE. STRUCTURING OF METAL BUILDING SYSTEMS. CENTIFIED BY THE SPECIFIED BUILDING SYSTEMS. CENTIFIED BY THE SPECIFIED BUILDING SYSTEMS. CENTIFIED BY THE SPECIFIED BUILDING SYSTEMS. CENTIFIED BY THE SYSTEMS OF SECTION 1928 F30 OF SSECTION 1

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GLOSSARY OF ABBREVIATIONS:

GLUSSART OF ABBREVIOLINGS
B.U. = BULT-UP
B.U. = BULT-UP
B. = BOTH SIDES
B. = BOTH SIDES
F.S. = FAR SIDE
F.S. = FAR SIDE
F.S. = FAR SIDE
F.S. = HIGH STRENGTH BOLTS
H.T. = HIGH STRENGTH BOLTS
H.T. = HIGH STRENGTH BOLTS
H.T. = LONG LEG VERTICAL M.B. = MACHINE BOLTS
MAX = MAXINUM
MBS = METAL BUILDING SUPPLIER
MIN = MINIMUM
N.S. = NEAR SUPE
NIA = NOT APPLICABLE
NIC = NOT IN CONTRACT
O.A.L = OVERALL LENGTH
O.C. = ON CENTER

PL = PLATE
REQUIRED
REQUIRED
REV = REVISION
SIM = SIMLAR
SL = STEEL LINE
SL > STEEL LINE
THO = TO BE DETERMINED
TYP = TYPICAL
UNC. = UNLESS NOTED OTHERWISE

77 = PART MARK TO BE DETERMINED AND WILL BE UPDATED ON CONSTRUCTION DRAWINGS

KIRBY BUILDING SYSTEMS

124 KIRBY DRIVE PORTLAND, TN 37148 PHONE: 615-325-4165

PROJECT BUILDING LOADS

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, IF ERECTED AS NDICATED. KIRBY'S CUSTOMER IS TO CONFIRM THAT THESE LOADS COMPLY WITH THE REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT. NOTE THAT KIRBY'S ENGINEER IS NOT ACTING AS THE ENGINEER OF RECORD FOR THIS CONSTRUCTION PROJECT. DESIGN LOADS HAVE BEEN APPLIED IN ACCORDANCE WITH THE FOLLOWING.

DESIGN CODE: NORTH CAROLINA (NCBC 2018)

ROOF LIVE LOAD: 20.00 per REDUCIBLE PER CODE *** RISK CATEGORY

II - STANDARD BUILDINGS GROUND SNOW LOAD: 10.00 per SNOW EXP. FACTOR, Ce: 1.00

SNOW IMPORTANCE FACTOR, Is: 1.00 ULTIMATE DESIGN WIND SPEED: 121 moh (Vult)

NOMINAL DESIGN WIND SPEED: 94 WIND EXPOSURE: C

*** FOR RISK CATEGORY | OR II BUILDINGS, IBC ALLOWS FOR BUILDINGS, IBC ALLOWS FOR SINGLE STORY BUILDINGS TO HAVE NO LIMIT FOR SEISMIC STORY ORIFT, PLEASE NOTE THAT ANY INTERIOR WALLS, PARTITIONS, CEILINGS, AND EXTERIOR WALLS SHOULD BE DETAILED (BY OTHERS) TO ACCOMMODATE THIS STORY

DESIGN SUCTION / PRESSURE FOR WALL COMPONENTS AND CLADDING NOT DESIGNED OR PROVIDED BY KBB: + 30 PSF / - 40 PSF

SEISMIC INFORMATION: Sa: 0.183 S1: 0.085

DESIGN (Sds / Sd1): 0.195/0.138 SITE CLASS: D

SEISMIC IMP. FACTOR, le: 1.00 SEISMIC DESIGN CATEGORY: C

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE BASIC SERS: NOT DETAILED FOR SEISMIC

COUNTY: HARNETT

NOTES: 1) COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC., ARE SUSPENDED FROM ROOF MEMBERS, CONSULT THE M.B.S. IF THESE CONCENTRATED LOADS EXCEED 500 POUNDS (USING THE WEB MOUNT DETAIL), OR 200 POUNDS (USING THE FLANGE MOUNT DETAIL), OR IT INDIVIDUAL MEMBERS ARE LOADED

2) THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING GRAVITY LOADS IS CONTROLLED BY THE MORE CRITICAL EFFECT OF ROOF LIVE LOAD OR ROOF SNOW LOAD, AS DETERMINED BY THE APPLICABLE CODE

3) ALL WELDING MUST BE PERFORMED BY AWG QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS TO BE USED. ALL WELDING AND WELD PREP MUST BE COMPLETED AND VISUALLY INSPECTED TO AWS ACCEPTANCE CRITERIA (TABLE 8.1) IN ACCORDANCE WITH THE APPLICABLE AWS STANDARD. WELD ELECTRODES USED FOR ALL FIELD WELD PROCESSES MUST BE SELECTED FROM TABLE 3.1 IN AWS D.1.1 FOR GROUP II MATERIAL. GREATER THAN OR EQUAL TO 0.125" THICK OR TABLE 1.2 IN AWS D1.3 FOR MATERIAL LESS THAN 0.125" THICK AND ALL FILLER MATERIAL MUST HAVE A Fu OF 70 KSI.

4) ALL EXTERIOR COMPONENTS (WINDOWS, DOORS, ETC) MUST MEET WIND LOADING REQUIREMENTS FOR THE BUILDING CODE LISTED ABOVE OR MUST BE ADEQUATELY PROTECTED DURING A HIGH WIND EVENT. ALL CLAZING AND OTHER APPLICABLE OPENINGS IN WINDEGENE DEBINS REGIONS MUST BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT-RESISTANT COVERING. IMPACT RESISTANT WATERIALS MUST MEET THE LARGE AND/OR SMALL MISSILE TEST OF ASTM E 1996 AND ASTM E 1889

BUILDING SPECIFIC LOADING INFORMATION

DEAD LOAD: NORMAL WEIGHT OF METAL BUILDING COMPONENTS, NOT INCLUDING PRIMARY FRAMING.

** Pin IS BASED ON THE MINIMAM ROOF SHOW LOAD DALCULATED PER BUILDING CODE OR THE CONTRACT SPECIFIED ROOF SHOW LOAD, WHICHEVER IS GREATER. THIS VALUE, PIN: 10 ONLY APPLIED IN COMBINATION WITH DEAD AND COLLATERAL LOADS. ROOF SHOW IN OTHER LOADING CONDITIONS IS DETERMINED PER THE SPECIFIED BUILDING CODE.

	(psf)* 3.0	COLLATERAL DEAD		SNOW COEFFICIENT		SNOW LOAD		WIND		SEISMIC		
BLDG.		Pri (pst)	Sec (pet)	a	Ca	Ps (pst)	**Pm (psf)	Enclosure	GCpi	R	Cs	V (kips)
A	3.0	3.0	3.0	1.0	1.00	7.00	10.00	Enclosed	±0.18	3.00	0.085	3.1

CONTENTS					
SHEET NUMBER	DESCRIPTION				
C1	COVER SHEET(S)				
AB1	ANCHOR ROD PLAN				
E1-E4	ERECTION DRAWINGS				

PRIMER

WALL SECONDARY:

ROOF SECONDARY

ROOF PANELS

WALL PANELS

TRIM COLORS

COLOR:

TYPE-

STRUCTURAL FRAMING: GP - GRAY PRIMER

GALVALUME PLUS (GM)

26 Ge. KIRBY WALL (KW1) COLOR: SANDSTONE, SP (SS)

ROOF LINE TRIM: POLAR WHITE, SP (PW)

FRAMED OPENING TRIM: SANDSTONE, SP (88)

NOTE: ANY VARIANCE FROM THE PANEL TYPES OR COLORS

LISTED HERE WILL BE NOTED ON THE ELEVATION DRAWINGS.

DOWNSPOUTS: POLAR WHITE, SP (PW) WALL CORNER TRIM: POLAR WHITE, SP (PW) BASE TRIM: SANDSTONE, SP (SS)

24 Ga. STANDING SEAM 360 (SS3)

HIGH SYSTEM w/ THERMAL SPACERS

GP - GRAY PRIMER

GP - GRAY PRIMER



KIRBY

Pheninos 24. nes, SC 20160

CONSTRUCTION

"NOT FOR CONSTRUCTION"
COVERSHEET

10 CROWNVIEW LANE
116 CROWNVIEW LANE
10 LUNN NC 28334
SOUTHEASTERN DESIGN AND CO
FOR PERMITS ONLY
FOR PERMITS ONLY
COVERSHEET
C1

K21L0812A ROCK SOLID

DUG CTT 09/29/21 DUG CTT 10/04/21



Digitally signed by Andrew D. Johnson Date: 2021.10.06 09:27:21-04'00'