



Pre-engineered building specialist since 1995

LTH Steel Structures Inc.

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This Portion for Plant Use Only		
Quote Number:		
Date Received:		
Request Ship Date: 3/16/2014		
Revision:		
Dist #:	DM:	QM:

**Purchase Order
 For Production
 3 Week Shipping Guaranteed**

Buyer Information**Buyer:**

Name
 Can Be Used for Mailing **No**

C/O (if required):

Name

Owner Information**Owner:**

Name
 Can Be Used for Mailing **No**

Jobsite Information

Price Status **For Pricing**
 Address
 Outside City Limits **Yes**

Shipping Information

Shipping Terms **FOB plant with Freight allowed to jobsite**

Ship To

Contact:

Name
 Can Be Used for Mailing **No**
 Shipping From Nearest production plant

Credit Information

Contact

Credit Terms **Established Terms**
 Tax Exempt Status **Taxable**

Drawings And Documentation

Qty	Type	Purpose	Seal	Ship To
1	Erection Drawings	Construction	Unsealed	Owner
1	Anchor Rod Plans	Construction	Unsealed	Buyer

Requested Mailing Dates

Anchor Rod
 For Construction
 Send via Express Delivery

General Information

Project Name

Design Code & Loads

Project Use Category **1A - Agricultural Buildings - Commodity Storage**
 Design Code **IBC-2012**

Live / Wind:

Roof Live Load	50.0 psf	Rain Intensity	20.0 in/hr
Trib. Area Reduction Allowed	Yes		
Wind Speed	120.0 mph		
Wind Exposure	D		

Design Code & LoadsHurricane Coastline **Yes****Snow Load:**

Ground Snow	100.0 psf	Snow Exposure	Fully Exposed
Min. Roof Snow Load	70.0 psf	Elevation Above Sea Level	10000.0 ft
Roof Snow Load	70.0 psf		

Seismic:

Spectral Response (Ss)	275.000	Percentage of Snow Load	100.000
Spectral Response (S1)	130.000	Site Class / Soil Type	(E) Soft Soil

Building Information

Name	15x20x10	Type	Symmetrical
Frame Type	Clear Span	Building Primer	Red Oxide

Loads, Wind Enclosure, Deflections & Sidesway

Occupancy Category	IV - Essential	Thermal Condition	All Others
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Enclosure **Calculated**Are all Framed Openings enclosed with materials designed to resist the building wind loads? **Yes**Are all Open Areas enclosed with materials designed to resist building wind loads? **Yes**Open Building Condition **No**

Ceiling Load	5.0 psf	Sprinkler Load	5.0 psf
Other Loads	5.0 psf	Brittle Finish/Dryvit	Yes
Plaster/Sheetrock Ceiling	Yes		

Deflections:

Endwall Column	240	Wind Framing (Wind)	60
Endwall Rafter (Live)	360	Wind Framing (Seismic)	50
Endwall Rafter (Wind)	360	Partition Column	90
Roof Purlin (Live)	360	Partition Girt	90
Roof Purlin (Wind)	360	Partition Panel	90
Wall Girts	240	Extension Beam (Live)	180
Wall Panel	60	Extension Beam (Wind)	120
Roof Panel (Live)	60	Extension Purlin (Live)	360
Roof Panel (Wind)	60	Extension Purlin (Wind)	360
Main Frame (Horizontal)	60	Facade/Mansard Arm	120
Main Frame (Vertical)	360	Facade/Mansard Panel	90
Main Frame (Seismic)	50	Facade/Mansard Girt	90
Main Frame (Crane)	100		

Topography - EscarpmentsDoes the building lie on the upper half of a hill, ridge, or escarpment? **Yes**Is this hill, ridge or escarpment unobstructed in any direction by another similar topographic feature with a height of 100 times its height or 2 miles, whichever is less. **Yes**

Topography - Escarpments

Is the hill ridge or escarpment at least twice as tall as any other topographic features within 2 miles?	Yes
Does the average slope on the top half of the hill ridge or escarpment equal or exceed 20% (11.3°)?	Yes
Is the height of the hill, ridge or escarpment equal to or greater than 15 ft for Exposure C or D, or 60 ft for Exposure B?	Yes

Geometry, Sidewalls & Endwalls

Width	15'-0"	Length	20'-0"
Eave Height (SWA)	10'-0"	Eave Height (SWC)	10'-0"
Roof Slope	1 : 12	Roof Slope	1 : 12
Distance to Ridge	7'-6"	Distance to Ridge	7'-6"
Girts	Optimized Flush	Girts	Optimized Flush
Surface	EWB	Surface	EWD
Type	Non-Expandable Frame	Type	Non-Expandable Frame
Girts	Optimized Flush	Girts	Optimized Flush
Setback	1'-3"	Setback	1'-3"
Purlins	Optimized Bypass		

Bracing

<u>Surface</u>	<u>Bay</u>	<u>Bracing Type</u>
Roof	1	Rod
SWA	2	Rod
SWC	1	Rod

Spacings

Bay Spacing(EWB to EWD)	2@10'-0"
EWB Column Spacing	15'-0"
EWD Column Spacing	15'-0"
SWA Girt Locations	4@2'-0"
SWC Girt Locations	4@2'-0"
EWB Girt Locations	5@2'-0"
EWD Girt Locations	5@2'-0"
Purlin Spacing	3@2'-0",1'-0"

Frame Groups :: 1

Frame Lines	2
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SWA:

Column Type	Optimal (Tapered Allowed)
Exterior Column Elevation	0'-0"

SWC:

Column Type	Optimal (Tapered Allowed)
Exterior Column Elevation	0'-0"

Roof Panel

Type	PBR	Fastener Information:	
Gauge/Thickness	24 GA.	Type	Self-Drilling
Color	300-TBD	Head Finish	Long-Life

Roof Panel

Length **1-1/4"**

Wall Panel

Type	PBR	Type	Self-Drilling
Gauge/Thickness	24 GA.	Head Finish	Long-Life
Color	300-TBD	Length	1-1/4"

Wall Base Condition:

<u>Base Condition</u>	<u>Base Flash</u>	<u>Base Closure</u>	<u>Concrete Notch</u>
Base Channel	No	Yes	No

Trim

Trim Style	Contoured		
Surface:	SWA	Surface:	SWC
Type	Eave Trim	Type	Eave Trim
Downspout Quantity	N/A	Downspout Quantity	N/A
Northern/Ice Gutter	N/A	Northern/Ice Gutter	N/A
Surface:	EWB	Surface:	EWD
Type	Rake Trim	Type	Rake Trim
Eave	200-TBD	Base Flashing	N/A
Corner	200-TBD	Form Based Trim	N/A
Gutters	N/A		
Downspouts	N/A		
Rake Trim	200-TBD		

Accessories

Framed Opening :: 1

Width	8'-0"	Liner Trim Color	TBD
Height	8'-0"	Cut Girts and Panels	Yes
Double Header	No	Surface	EWB
Full Cover Trim	No	Sill Height	0'-0"
Trim Color	300-TBD	Bay Number	1
Located in Liner	No	Offset	3'-6"

Walk Door :: 1

Quantity	1	Latch Guard	No
Size	3070	ADA Compliant	No
Color	White	Trim Color	300-TBD
Type	Knock Down	Located in Liner	No
Lockset	Mortise Lever Lock	Liner Trim Color	200-Ash Gray
Active Leaves	One - Left	Include Framed Opening	Yes
Style	M - Solid	Field Located	Yes
Glazing	N/A	Surface	SWA
Swing	Left	Bay Number	1
Swing Direction	Out	Offset	3'-6"
Wind Rated	Yes		
Insulated	Yes		
Keyed Alike	No		
Closer	No		
Kick Plate	No		

Pricing Summary

Estimated Weight (lbs)	5,488	
Distance	TBD	
Freight	Included	
Insulation Freight	\$ 0.00	NOTE: The Terms and Conditions governing this contract are those contained in the section entitled "Uniform Terms and Conditions", and in addition. The parties hereto acknowledge and agree that LTH Steel Structures is only required to furnish materials in accordance with this purchase order and the referenced terms and conditions as noted on the previous pages.
Estimated Tax Applicable tax will be added at the time of invoice	Not Included	
3 Week Shipping	Included	
Documents Fees	Included	
Express Delivery Fee	Included	
Total	\$ 9,255.00	

Notes:

- Foundation: Anchor bolts by others
- Unless otherwise noted, the following specifications and conditions apply:
- All paneling incorporates the purlin-bearing profile
- Price includes long-life roof fasteners (lifetime red-rust warranty)
- The pre-punched connecting clips for the structural elements, including endwall columns, are welded in place and then primed during fabrication
- Buildings are engineered to meet listed codes and loads with the specified factory-located framed openings (size, location, and materials taken into account)
- All structural elements for the specified framed openings (girts, jambs, and headers) are pre-cut and pre-punched and the necessary clips are welded on during fabrication
- Whenever possible, paneling is pre-cut to accommodate the specified factory-located openings (some panels may require cutting in the field)

TERMS OF AGREEMENT

A deposit amount of \$ 2,776.50 to begin the order and the balance to be paid by certified bank a cashiers check on delivery of goods. Major credit cards, paypal, and bank checks accepted. A 3 % added handling fee is added to the amount when using paypal and cards. All checks must be clear before order is process for 3 week shipping.

Acceptance of order _____ Date _____