



Pricing Report

Elite 4.9
11/26/2014
31372
A

Buyer acknowledges and agrees that this quotation is not valid for plan and specification projects since it is based on the Manufacturer's product standards only. Any Buyer-supplied information has been used only for general reference and the Manufacturer's scope of work is strictly limited as described herein.

Seller Information

P.O. Number N/A
 Buyer Number 31372 (6*31372)
 Name L T H Steel Structures Inc
 C/O (if required) N/A
 Mailing Address 1184 County Line Rd.
 Cumming, GA, 30040
 County N/A
 Physical Address 1184 County Line Rd.
 Cumming, GA, 30040
 County N/A
 Attention L T Harvey
 Phone 770-781-8279
 Fax 678-208-5613
 Night Phone N/A
 Cell Phone 678-936-4494
 E-Mail larry@lthsteelstructures.com

Credit Information

Contact N/A
 Phone N/A
General Contractor
 Name N/A
 City N/A
 State N/A
Sub-Erector
 Name N/A
 City N/A
 State N/A
Lender
 Name N/A
 Phone N/A
 Lender Address N/A, N/A

Owner Information

Name
 Contact
 Phone Number
 Address
 Waller, TX, 77484
 County Waller
 End Use of Building 2B MANUFACTURING - WAREHOUSING

Credit Terms
 Tax Exempt Status Taxable
 Tax Exempt Number N/A

Drawings & Documentation

Qty	Type	Purpose	Seal	Ship To
3	Anchor Rod Only	For Construction	Sealed	Buyer
3	Erection	For Construction	Sealed	Buyer
1	Letter of Cert.		Sealed	Buyer

Shipping

Shipping Terms FOB plant with Freight allowed to jobsite
 Shipping Contact N/A
 Ship To N/A
 Waller, TX, 77484
 County Waller
 Day Phone N/A
 Night Phone N/A
 Shipping Weight 97,043.53 lbs
 Miles to Jobsite 44.00
 Shipping From Houston, TX
 Add Export Overages No
 Requested Delivery 12/31/2014
 Truck Tarps No

Show Mem Sizes & Conns Yes
 Send Dwgs Express Delivery Yes
 Corp of Eng, DOD, DOE Fed No
Requested Mailing Dates
 Final Anchor Rod 12/31/2014
 Approval N/A
 Permit N/A

General Information

Project ID lth
 Material Origin Non-Domestic Steel Allowed
 Estimator lth
 City Limits Inside
 Project Status Production
 Quote Request No
 Quote Requested Date N/A
 MBMA Complexity 3
 Int. Use: (Drft/Eng Pts) (8.00/2.00)
 Min. EW Anc. Rod Dia. 5/8

Jobsite Information

Address N/A
 Waller, TX, 77484
 County Waller

Loads

Project Use Category	Commercial	Jobsite Address	N/A
Building Code	2012 IBC	Waller, TX, 77484	Waller
<u>Live/Wind</u>			
Live Load	20.000 psf	Wind Category	N/A
Trib. Area Reduction Allowed	Yes	Miles From Coastline	N/A
Wind Exposure	Exposure C	Elevation Above Sea Level	N/A
Hurricane Coastline	No	Rain Intensity	10.0000 in/hr
<u>Snow</u>			
Ground Snow Load	5.000 psf	Snow Exposure	Fully Exposed
Min Roof Snow Load	0.000 psf	Rain Load	N/A

Seismic

Spectral Response(Ss)	7.20 %	% of Snow Load for Seismic	Normal
Spectral Response(Sh)	N/A	Seismic Zone	N/A
Spectral Response(S1)	3.90 %	Near Source Factor	N/A
Spectral Response(S2)	N/A	Design Seismic for Schools	N/A
Accelerated Coefficient(Aa)	N/A	Site Class/Soil Type	(D) Stiff Soil
Velocity Coefficient(Av)	N/A		

Sustainability and Energy Efficiency

Sustainability Goal	Other/Local
Climate Controlled Building	No
Energy Efficiency Code	N/A
Has Panel Air Infiltration Requirements	No

New Building A - 100x120x40

Label - Name	A - 100x120x40	Frame Type	Symmetrical
Structure	New	Elevation A	Sidewall
Type	Stand Alone		

Loads, Wind Enclosure, Deflections & Sidesway

Building Loads

Roof Snow Load By Design	5.000 psf
Risk Factor	II - Normal
Thermal Condition	All Others
Seismic Design Category	A
Wind Speed	125.00 mph

Importance Factors

Snow Is	1.00
Wind Iw	N/A
Seismic Ie	1.00
Designed Snow Exposure	Fully Exposed

Wind Enclosure

Enclosure	Calculated - Enclosed
Are all Framed Openings enclosed with materials designed to resist building wind loads?	Yes
Are all Open Areas for Other enclosed with materials designed to resist building wind loads?	Yes
Open Building Condition	Obstructed flow

Uniform Collateral Loads

Ceiling Load	0.000 psf
Ceiling Type	N/A
Brittle Wall/Dryvit	No
Other	1.000 psf

Deflections

<u>Purlins</u>			<u>Rafters</u>		
Live	L/150	Default	Live	L/180	Default
Snow	L/180	Default	Snow	L/180	Default
Wind	L/180	Default	Wind	L/180	Default
Total Gravity	L/120	Default	Total Gravity	L/120	Default
Total Uplift	N/A		Total Uplift	N/A	
Girts	L/90	Default			
Wall Panel Total Wind	L/60	Default			
Endwall Columns	L/120	Default			

Sidesway

<u>Crane</u>			<u>Frame</u>			
Crane	H/100	Default	Live	H/60	Default	(H/60)
			Snow	H/60	Default	(H/60)
			Wind	H/60	Default	(H/60)
			Total Gravity	H/60	Default	(H/60)
			Total Wind	H/60	Default	(H/60)
			Total Seismic	H/50	Default	(H/60)

Topography - Escarpments

Does the building lie on the upper half of a hill, ridge, or escarpment?	No
Is this hill, ridge or escarpment unobstructed in any direction by another similar topographic feature within a distance of 100 times its height or 2 miles (3.21 km), whichever is less?	No
Is the hill or escarpment at least twice as tall as any other topographic features within 2 miles (3.21 km)?	No
Does the average slope on the top half of the hill, ridge, or escarpment equal or exceed 20% (11.3")?	No
Is the height of the hill, ridge or escarpment equal to or greater than 15 feet (4.9.21 m) for Exposure C or D, or 60ft (196.8 m) for Exposure B?	No

Topographic Effects

Hill Shape	N/A
Lh, Horizontal distance of crest to half height of hill or escarpment	N/A
H, Height of Hill or Escarpment	N/A
X, Distance From the Crest to the Building Site	N/A

Geometry, Sidewalls & Endwalls

Width	100'-0"	Length	120'-0"
SWA		SWC	
Eave Height	40'-0"	Eave Height	40'-0"
Roof Slope	1.000000 / 12	Roof Slope	1.000000 / 12
Distance To Ridge	50'-0"	Distance To Ridge	50'-0"
Girts	Optimize - Bypass(8.0" Designed)	Girts	Optimize - Bypass(8.0" Designed)

New Building A - 100x120x40 Continued...
Geometry, Sidewalls & Endwalls Continued...

<u>EWB</u>	Bearing Frame with Hot-Rolled Rafter	<u>EWD</u>	Bearing Frame with Hot-Rolled Rafter
Type		Type	
Girts	Optimize - Bypass(8.0" Designed)	Girts	Optimize - Bypass(8.0" Designed)
User Specified Setback	System Standard 1'-2"	User Specified Setback	System Standard 1'-2"
Designed Setback	1'-2"	Designed Setback	1'-2"
Purlins	Optimize (8" Designed)	Pregalvanized Secondary	No
Steel Shop Coat	Red	Hot-Dipped Primary	No
Bolt Finish	Plated	Seal Welds	N/A

Bracing

Roof	Rod	(EWB to EWD) @ Bays	2, 4
SWA	2 Tier Rod	(EWB to EWD) @ Bays	1, 5
SWC	2 Tier Rod	(EWD to EWB) @ Bays	5, 1
EWB	2 Tier Rod	(SWC to SWA) @ Bays	5, 3
EWD	2 Tier Rod	(SWA to SWC) @ Bays	1, 3
Purlins	Knock-In Bridging Angles Allowed		
Girts	Knock-In Bridging Angles Allowed		
Rafter Flange Braces	Standard		
Column Flange Braces	Standard		

Portal Frames

<u>SWA</u>		<u>SWC</u>	
Rod Tiers Above	N/A	Rod Tiers Above	N/A
Max Column Web Depth	0.0000"	Max Column Web Depth	0.0000"
Max Rafter Web Depth	0.0000"	Max Rafter Web Depth	0.0000"

* Note - If Rods are selected, Manufacturer may adjust bracing tiers or substitute angle for a more efficient design.

Spacing

Bay Spacing	(EWB-EWD)	5@24'-0"
EWB Column Spacing	(SWC-SWA)	5@20'-0"
EWD Column Spacing	(SWA-SWC)	5@20'-0"
EWB Column Recesses	(SWC-SWA)	0.0", 0.0", 0.0", 0.0", 0.0", 0.0"
EWD Column Recesses	(SWA-SWC)	0.0", 0.0", 0.0", 0.0", 0.0", 0.0"

* Note - Negative column recess raises the base of the column above the finished floor.

SWA Girt Spacings	(Base to Eave)	System Standard	3'-6", 3'-10", 6'-0", 6'-0", 6'-0", 6'-0", 4'-3",
SWC Girt Spacings	(Base to Eave)	System Standard	3'-6", 3'-10", 6'-0", 6'-0", 6'-0", 6'-0", 4'-3",
EWB Girt Spacings	(Base to Peak)	System Standard	3'-6", 3'-10", 6'-0", 6'-0", 6'-0", 6'-0", 4'-3", 5'-8 1/2",
EWD Girt Spacings	(Base to Peak)	System Standard	3'-6", 3'-10", 6'-0", 6'-0", 6'-0", 6'-0", 4'-3", 5'-8 1/2",
Purlin Spacing	(Nominal Horizontal Distance)	System Standard	
Designed Purlin Spacings on the Slope - SWA		(Eave to Peak)	2@4'-4 9/16", 8@5'-0 3/16"
Designed Purlin Spacings on the Slope - SWC		(Eave to Peak)	2@4'-4 9/16", 8@5'-0 3/16"

* Note - Purlin and girt depths, DESIGNED purlin locations, and SYSTEM SPECIFIED girt locations are supplied for reference only, and may be changed at Manufacturer's discretion without notice unless specifically stated otherwise in the "Notes" section of this document.

Frame Groups

<u>Group Number</u>	1 (Clearspan)		
Frame Lines	2 to 5		
Hardened Washers for High Strength Bolts	No		
<u>SWA</u>		<u>SWC</u>	
Column	Tapered Allowed	Column	Tapered Allowed
Unbraced	No	Unbraced	No
Max Column Web Depth	60.0"	Max Column Web Depth	60.0"
Max Rafter Web Depth	60.0"	Max Rafter Web Depth	60.0"
Exterior Column Elevation	At Finished Floor	Exterior Column Elevation	At Finished Floor

Roof Panel (12,796 sqft)

Type	PBR	<u>Options</u>	
Gauge	26	SS Clip Type	N/A
Thickness	N/A	Thermal Blocks	N/A
Color	SIG - 200 TBD	FM-4471 Roof Panel Anchorage	No
Finish Warranty	Yes	UL90	Yes
Interior Panel	N/A	Eave Icing	No
R Value	N/A	Wide Tape	No
Exterior Skin	N/A	Purchase Hand Crimper to ship with Panels	No
Seamer Rental	N/A		

Fastener Information

Type	Self-Drilling	<u>Weather-tightness Warranty</u>	
Head Finish	Long-Life	Type	N/A
Length	1-1/2"	Term	N/A

* Note - An asterisk (*) next to the color indicates a Signature 300 color selection.

* Note - Insulation not included unless specified on the Insulation page of this document.

Wall Panel (19,400 sqft)

Type	PBR	<u>Options</u>	
Gauge	26	Reverse Rolled	No
Thickness	N/A	Concrete Notch	No
Color	SIG - 200 TBD	Sealed Wall	Yes
Finish Warranty	Yes	Eave Closure	Yes
Interior Panel	N/A	Rake Closure	Yes
R Value	N/A	Base Option	Base Angle and Flash - Match Wall Color

Fastener Information

Type	Self-Drilling	Base Trim	N/A
Head Finish	Standard	Base Color	SIG - 200 TBD
Length	1-1/2"	Base Closure Strips	Yes
		Outside Metal EW Closures	No
		Foam Tape (If applicable)	No

* Note - An asterisk (*) next to the color indicates a Signature 300 color selection.

Trim

<u>SWA Options</u>	Gutters and Downspouts	<u>SWC Options</u>	Gutters and Downspouts
Trim Type	Southern	Trim Type	Southern
Gutter Type	Southern	Gutter Type	Southern
Gutter Type by Design		Gutter Type by Design	Southern

<u>EWB Options</u>	Rake Trim	<u>EWD Options</u>	Rake Trim
Trim Type		Trim Type	

<u>Color Selections</u>	N/A	Trim Profile	Classic
Eave	SIG - 200 TBD	Trim is 26 gauge unless noted otherwise.	
Rake	SIG - 200 TBD	(*) Denotes Signature 300 color.	
Corner	SIG - 200 TBD	Trim for roof/wall system with Sig 300 color is 24 gauge.	
Gutters	SIG - 200 TBD	* Note - Gutters selected may differ from the Gutters designed.	
Downspouts	SIG - 200 TBD		
Roof to Roof	None		
Roof to Wall	None		

New Building A - 100x120x40 Continued...

Accessories

Downspouts

Elevation	SWA	Distance From Left Column	0'-0"
Bay	N/A	Distance From Left Steelline	0'-0"
Quantity	5	Elbow	Yes
Height	40'-0"	Trim	SIG - 200 TBD
Elevation	SWC	Distance From Left Column	0'-0"
Bay	N/A	Distance From Left Steelline	0'-0"
Quantity	5	Elbow	Yes
Height	40'-0"	Trim	SIG - 200 TBD

Walk Doors

Elevation	EWB	Distance From Left Steelline	68'-6"
Bay	4	Distance From Left Column	8'-6"
Quantity	1	Distance From Floor	0'-0"
Size	3070	Trim	SIG - 200 TBD
Style	M - Solid	Lockset	Panic
Type	Knock Down	Swing	N/A
Primer Color	White	Glazing	N/A
In Liner	No	Options	Insulated
ADA Door Compliance	No	Closer	No
Wind Rated	No		

DBCI Doors

Elevation	SWA	Distance From Left Steelline	52'-0"
Bay	3	Distance From Floor	0'-0"
Quantity	1	Distance From Left Column	4'-0"
Series	5000	Resist Wind Load	Yes
Size	16X18	Insulated	No
Color	Burnished Slate	Seal	Header Seal
		Operator	1/2 HP Electric Operator (with Remote Transmitter)
		Remote Transmitter	Yes
		Hood	No

Elevation	SWA	Distance From Left Steelline	76'-0"
Bay	4	Distance From Floor	0'-0"
Quantity	1	Distance From Left Column	4'-0"
Series	5000	Resist Wind Load	Yes
Size	16X18	Insulated	No
Color	Burnished Slate	Seal	Header Seal
		Operator	1/2 HP Electric Operator (with Remote Transmitter)
		Remote Transmitter	Yes
		Hood	No

Elevation	EWB	Distance From Left Steelline	22'-0"
Bay	2	Distance From Floor	0'-0"
Quantity	1	Distance From Left Column	2'-0"
Series	5000	Resist Wind Load	Yes
Size	16X18	Insulated	No
Color	Burnished Slate	Seal	Header Seal
		Operator	1/2 HP Electric Operator (with Remote Transmitter)
		Remote Transmitter	Yes
		Hood	No

Elevation	SWC	Distance From Left Steelline	28'-0"
Bay	2	Distance From Floor	0'-0"
Quantity	1	Distance From Left Column	4'-0"
Series	5000	Resist Wind Load	Yes
Size	16X18	Insulated	No
Color	Burnished Slate	Seal	Header Seal
		Operator	1/2 HP Electric Operator (with Remote Transmitter)
		Remote Transmitter	Yes
		Hood	No

* Note - A framed opening and framed opening flash is included for each DBCI Door.

Insulation

Insulation

Type	Blanket	<u>Insulate</u>	
Facing	WMP-VR-R	SWA	No
Tabs	2 @ 3"	SWC	No
Thickness	4.00"	EWB	No
Roof Insulation	12,444 sqft	EWD	No
Starter Rolls	4'-0"	Roof	Yes
Running Rolls	6'-0"	Partition	No
Roll Length	N/A		
Include Patch Tape	Yes		

Type	Blanket	<u>Insulate</u>	
Facing	WMP-VR-R	SWA	Yes
Tabs	2 @ 3"	SWC	Yes
Thickness	4.00"	EWB	Yes
Wall Insulation	18,481 sqft	EWD	Yes
Starter Rolls	4'-0"	Roof	No
Running Rolls	6'-0"	Partition	No
Roll Length	N/A		
Include Patch Tape	Yes		

Notes

- Note: If project contains screw-down roof or wall panels, they may be up to 45'-0" in length (at Manufacturer's discretion) unless otherwise noted. If project contains standing seam panels, they may be up to 53'-0" in length (at Manufacturer's discretion) unless otherwise noted.
- Note: NOTICE: Uniform visual appearance of Galvalume® Plus coated panels cannot be guaranteed. The Galvalume® Plus coating is subject to variances in spangle from coil to coil which may result in a noticeable shade variation in installed panels. The Galvalume® Plus coating is also subject to differential weathering after panel installation. Panels may appear to be different shades due to this weathering characteristic. If uniform visual appearance is required, Manufacturer recommends that our prepainted Signature® 200 or Signature® 300 panels be used in lieu of Galvalume® Plus. Shade variations in panels manufactured from Galvalume® Plus coated material do not diminish the structural integrity of the product. These shade variations should be anticipated and are not a cause for rejection.
- Note: If soil profile other than (D), (4), (SD), (S4) is to be used, the Manufacturer requires a sealed letter or copy of a soils report from a registered design professional stating the soil type to be used in the design of the metal building.
- Note: Any in-plant inspection requirements must be noted on this document, and will be at the Buyer's expense.
- Note: Buyer acknowledges that, although minimum loads may be supplied automatically, it is Buyer's responsibility to determine the intended use of the Metal Building System ordered, its appropriateness for all loads to be encountered, including but not limited to, live load, wind load, snow/ice load, water load, collateral and auxiliary loads, as well as its appropriateness for drainage systems and compliance with the requirements of all governing code bodies, statutory and regulatory agencies.
- Note: All design information provided is preliminary, including but not limited to "Designed", "System Standard" and "Default" design criteria. The Manufacturer will not be responsible for conditions resulting from changes in the final design unless that specific requirement is noted on the Purchase Order.
- Note: Manufacturer's specifications, including welding standards and specifications, are applicable unless specifically described otherwise on this document. If plans, specifications, and/or Buyer's Purchase Order accompany this document, and there is a conflict between those documents and Manufacturer's standard specifications, the Manufacturer's standard specifications shall prevail unless specifically listed on this document. The words "See Attached" do not fulfill this reference requirement.
- Note: The complexity rating is derived from the geometry and accessories input into the builder system. The use of Miscellaneous Adds, Project Notes, or any other modifications can influence this rating. Manufacturer reserves the right to change this rating at any time without notification.
- Note: Anchor Rods are not supplied by Manufacturer unless noted specifically on this document. Embedment length is not designed by Manufacturer.
- Note: All Support Beams (spandrel beams) are designed and priced with the assumption that the beam is located at or within 2'-0" of the top of the open area material and that the open area does not extend above the eave line and/or roofline.
- Note: Buyer is responsible for determining the correct fastener length for use with the insulation used on the project. See the Help file or contact the Manufacturer for documents regarding the proper selection of fasteners, clips and thermal blocks.
- Note: Structural paint is intended as a primer. The primers supplied by the Manufacturer are not intended to provide the uniformity of appearance of a finish coat nor to provide extended protection if subjected to prolonged exposure. If immediate erection of steel is not possible, it must be protected from exposure to atmospheric and/or environmental conditions that may be detrimental to primer performance. These conditions would include, but not be limited to, prolonged exposure to ultra-violet light resulting in possible fading and or spotting or standing water resulting in spotting, peeling or localized surface oxidation. Gray Primer in particular will show rust spots/streaks due to imperfections in the application process and the properties associated with Gray Primers. Primer touch-up due to transit abrasions and/or scratching during loading and unloading and erection is to be expected. Rusting or abrasions on structural members is not subject to customer rejection or claim for touch up. Additional guidelines can be found in the MBMA Commentary, the AISC Code of Standard Practice and the Manufacturer's Standard Specifications.
- Note: The use of rainwater harvesting fixtures on this building may impact the gutter and downspout design and change the contract amount given herein.
- Note: The manufacturer is not responsible for specifying or verifying proper insulation placement to the Commissioning Agent (CxA).
- Note: Collateral loads have not been considered in roof panel design, thus the use of solar panels or other equipment placed directly on the panel may change the contract amount given herein.
- Note: Recycled content will be provided per the Recycled Steel Institute industry averages for BOF and EAF methods as applicable.
- Note: The material used to fabricate the building and its components will not necessarily be extracted or manufactured within 500 miles of the project site.
- Note: Tape mastic is assumed to be excluded from the maximum VOC requirements, as it is considered outside of the weather-tight boundary by the manufacturer.
- Note: The buyer confirms that the building is ordered properly to meet the following performance requirements:
a. Light pollution reduction measures, in particular the placement of door and windows relative to interior lighting fixtures, daylight harvesting, or views.
b. Special requirements of the Commissioning Agent (CxA)
- Note: Any quoted delivery schedules are only approximations (Not Guarantees), are rendered as a convenience to the customer, and are subject to variations depending upon Manufacturer's shipment backlog at the time of order placement.
- Note: The manufacturer will not guarantee any level of performance for air infiltration or air barrier performance. Furthermore, the manufacturer will not be responsible for any material or labor costs required to achieve any performance level of air infiltration for any wall or roof assembly or whole-building testing.
- Note: Due to snow drift conditions, additional loads have been included for pricing, but are not included in the foundation reactions provided by the pricing program.

Quotation Summary

Project ID **lth**
 Owner
 Buyer P.O. Number
 Seller **L T H Steel Structures Inc**
 Seller Phone **770-781-8279**
 Seller Fax **678-208-5613**

Estimated Weight (lbs)	97,043.53
Approved Factor (14 days)	0.664176
Weathertightness Warranty	N/A
Estimated Freight*	Included
Estimated Tax (0.00 %) Applicable tax will be added at the time of invoice.	add tax
Adjusted Contract Total (48.52 Tons, ECF: 1) Adjustment: -9.000 Authorized by: LTH	\$136,730.00

NOTES

Estimated production time to be 6-8 weeks. If a sooner production time is needed, then we we can discuss the payment terms and establish this in writing after all is agreed.

This building has typical freight - if purchasing for another location then freight cost would need to be reconfigured accordingly to location.

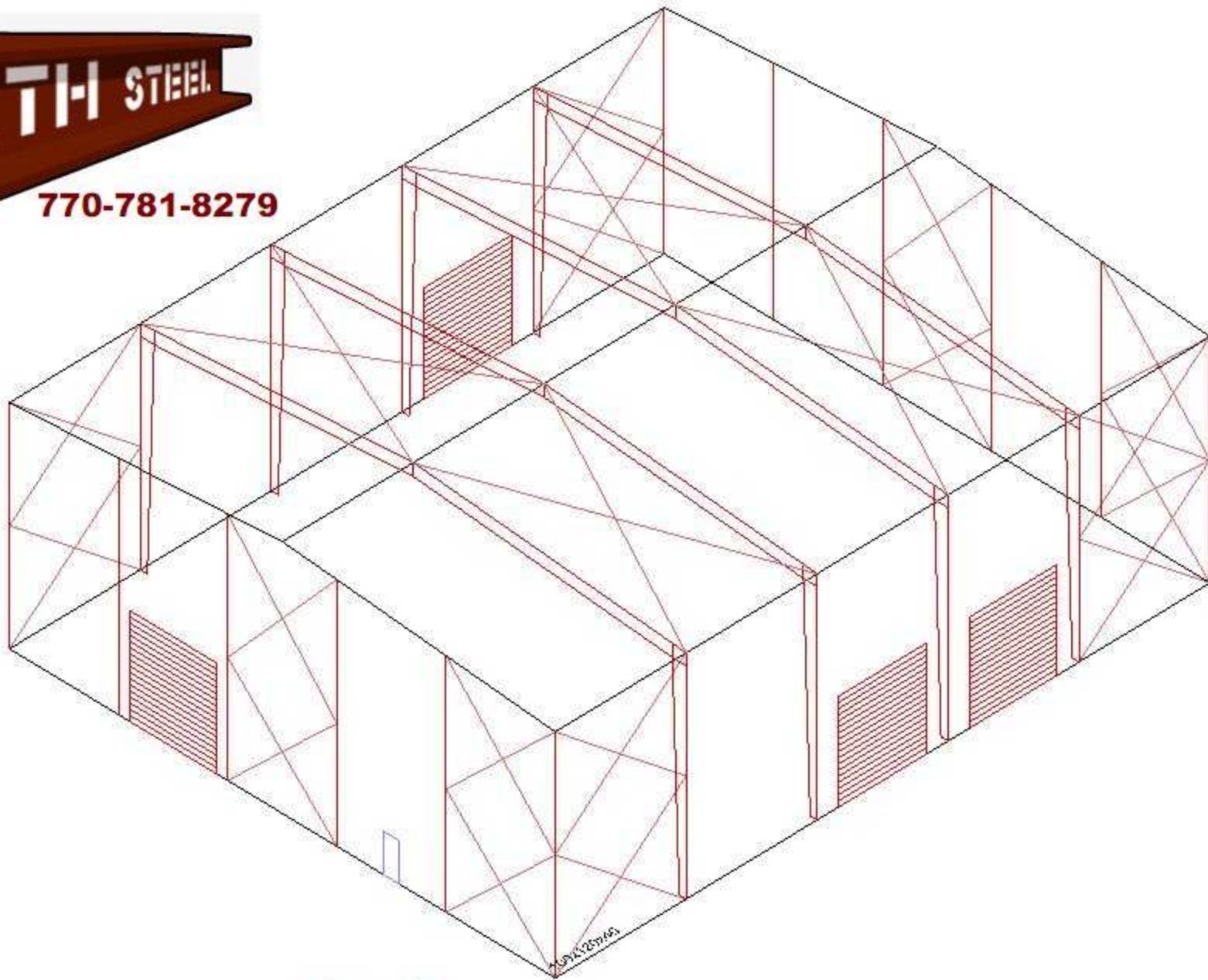
A 30 % deposit amount required to begin the order for engineering prints with a balance due at time of freight delivery to be paid by certified bank cashiers check. All materials will need to be removed from th freight carriers by others and the responsibility of the owner to check all quantities and materials to be in new condition.

Acceptance of order _____ Date _____

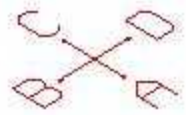
 LTH Steel Structures Representative Title Date
 For Office use Only: 49.5000, 10.1200, 2501.6470, 1.5000, 25.0000, 44.0000, 2625.0000, 2472.0000, 2387.0000, 564.0457, 1214.0000, 0.0000, 24295.0810, 3021.5990



770-781-8279



©2011 LTH STEEL





770-781-8279

