GENERAL NOTES

Fabrication shall be in accordance with ICON standard practices and in compliance with the applicable sections, relating to design requirements and allowable stresses of the latest edition of the "AWS Structural Welding Code D 1.1 and D 1.3

MATERIALS	ASTM DESIGNATION	MIN. YIELD STRENGTH
Hot rolled Steel Shapes	A572	Fy = 50 KSI
Steel Pipes	A500	Fy = 42 KSI
Structural Tubing	A500	Fy = 46 KSI
Structural Steel Web Plate	A572/A1011	Fy = 50 KSI
Structural Steel Flange Plates/Bars	A529/A572	Fy = 55 KSI
Cold Form Light Gauge	A653/A1011	Fy = 50, 55 KSI
Roof and Wall Sheets	A792/A653	Fy = 50, 80 KSI
Cable Brace	A475 - Type 1	Extra High Strength
Rod Brace	A36	Fy = 36 KSI
Mill Sections	A36	Fy = 36 KSI
		MIN. TENSILE STRENGTH
Machine Bolts & Nuts	A307	Fu = 60 KSI
High Strength Bolts (1" Dia. & Less)	A325 - Type 1	Fu = 120 KSI
High Strength Bolts (>1" to 1-1/2")	A325 - Type 1	Fu = 105 KSI
Anchor Bolts (if supplied)	A36/A307/F1554	Fu = 60 KSI

PRIMER

Shop Primer paint is a rust inhibitive primer, which meets the end performance of Federal Specification TT-P-636 and is SFR Red Oxide color. This paint is not intended for long-term exposure to the elements. ICON is not responsible for any deterioration of the shop primer paint as a result of improper handling and/or storage. ICON shall not be responsible for any field applied paint and/or coatings. (Section 6.5 AISC Code of Standard Practice 9th Edition). Normal thickness of primer shall be 1 mil unless otherwise specified in Contract Documents.

GALVANIZED OR SPECIAL COATINGS

See Contract Documents.

ALL BOLTS ARE 0' 0-1/2" DIA. X 0'-1" A307 EXCEPT:

a) Eave strut connection - 1/2" x 0'-1-1/2" A307
b) End wall rafter splice - 5/8" x 0'-1-3/4" A325-N
c) End wall col./raft. Connection - -1/2" x 0' - 1-1/4" A325N
d) Main frame connections - SEE CROSS SECTION

A325 BOLT TIGHTENING REQUIREMENTS

All high strength bolts are A325-N unless noted otherwise.

Structural bolts shall be tightened by the turn-of-the-nut method in accordance with the 9th Edition AISC "Specification for Structural Joints" using ASTM A 325 or A490 Bolts, when specifically required. A325-N bolts are supplied without washer unless noted on the drawings as provided by ICON.

All bolted connections unless noted are designed as bearing type connections with threads not excluded from the shear plane.

CLOSURE STRIPS ARE FURNISHED ONLY IF NOTED ON SHIPPING DOCUMENTS

INSIDE - Under roof panels at eave
OUTSIDE - Between end wall panels and rake trim
Under continuous ridge vent skirts

ERECTION NOTE:

All bracing, strapping, & bridging shown and provided by ICON for this building is required and shall be installed by the erector as a permanent part of the structure. If additional bracing is required for stability during erection, it shall be the erector's responsibility to determine the amount of such bracing and to procure and install as needed.

ERECTION AND UNLOADING NOT BY ICON

SHORTAGES

Any claims or shortages by buyer must be made to ICON within five (5) working days after delivery, or such claims shall be considered waived by the customer and disallowed.

CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)

Claims for correction of alleged misfits will be disallowed unless ICON shall have received prior notice thereof and allowed reasonable inspection of such misfits. The correction of minor misfits by the use of drift pins to draw the components into line, moderate amounts of reaming, chipping and cutting, and the replacement of minor shortages of material are a normal part of erection and are not subject to claim. No part of the Building may be returned for alleged misfits without the prior approval of ICON.

ICON BUILDING SYSTEMS
9364 CR 628 BRAZORIA TEXAS 77422
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TOLL FREE 866-390-5933

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an ICON Company

PRE ENGINEERED DRAWING PACKAGE

THIS BUILDING MEETS OR EXCEEDS CODE/CLASS: IBC 00

BUILDING SPECIFICATIONS
The Structure under this Contract has been Designed and Detailed for the Loads and Conditions stipulated in the Contract and shown on these Drawings. Any alterations to the structural system or removal of any component parts, or the addition of other construction materials or Loads must be done under the advice of a Registered Architect, Civil or Structural Engineer. ICON Building Systems will assume no responsibility for any Loads not indicated.

BUILDERS RESPONSIBILITIES
The builder must secure all required approvals and permits from the appropriate agency as required. Approval of ICON drawings and calculations indicates that ICON has correctly interpreted and applied the requirements of the contract drawings and specifications. (Sect. 4.2.1 AISC Code of Standard Practice, 9th Edition. Where discrepancies exist between the ICON Structural Steel Plans and the plans of other trades, the Structural Steel Plans will govern. (Sect. 33 AISC Code of Standard Practice, 9th Edition). Design considerations of any materials in the structure which are not furnished by ICON are the responsibility of the builder and Engineers other than ICON Engineering unless specifically indicated. The builder is responsible for all erection of steel and associated work in compliance with ICON Building Systems "Construction Drawings".

NOTES:
Install this building and all its parts per these drawings. No changes should be made to this building system unless approved in writing by the manufacturers Engineers. Unapproved changes could result in unsafe building design and could endanger public safety.

WARNING

In no case should Galvalume steel panels be used in conjunction with lead or copper. Both lead and copper have harmful corrosive effects on the Galvalume alloy coating when they are in contact with Galvalume steel panels. Even run-off from copper flashing, wiring, or tubing onto Galvalume should be avoided.

SAFETY COMMITMENT

ICON has a commitment to manufacture quality buildings that can be safely erected. However, the safety commitment and job site practices of the erector are beyond the control of ICON. It is strongly recommended that safe working conditions and accident prevention practices be the top priority of any job site. Local, State, and Federal safety and health standards should always be followed to help insure workers safety. Make certain all employees know the safest and most productive way of erecting a building. All employees should know emergency procedures. Daily meetings highlighting safety procedures are also recommended. The use of hard hats, rubber sole shoes for roof work, proper equipment for handling material, and safety nets where applicable, are recommended.

CUSTOMER/END USER INFORMATION

CUSTOMER:	30x40x10
CLIENT:	-----
BUYER P.O.	-----
ADDRESS:	
CITY/STATE:	-----
BUILDING USE:	-----
BUILDING DESC.:	30.0 x 40.0 x 12.0
BAY SPACING:	2 at 20
ROOF PITCH:	3.0:12

DESIGN SPECIFICATIONS

DEAD LOAD:	1.5
ROOF LIVE LOAD:	20
FRAME LIVE LOAD:	16
WIND SPEED:	90
ROOF SNOW LOAD:	20
COLLATERAL:	0
ENCLOSURE TYPE:	Closed
WIND EXPOSURE:	B
WIND IMP.:	1.00
SIESMIC IMP.:	1.00
SEISMIC COEFF.:	0.170
OTHER LOADS:	...

BUILDING COLORS

ROOF PANEL:	Galvalume	EAVE TRIM:	NEED COLOR
WALL PANEL:	NEED COLOR	GABLE TRIM:	NEED COLOR
LINER PANEL:		JAMB TRIM:	NEED COLOR
		CORNER TRIM:	NEED COLOR

(PLEASE NOTE: COLOR NAMES VARY BY SUPPLIER. SEE COLOR CHART)

NOTES: APPLIES TO ALL ELEVATIONS

1. DO NOT CUT, REMOVE OR RELOCATE GIRTS OR X-BRACING. NO ADDITIONAL OPENINGS ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STEEL BUILDING MANUFACTURER.

2. HARDWARE SUCH AS WINDOWS, OVERHEAD DOORS, AND ASSOCIATED ATTACHMENTS THAT ARE SUPPLIED BY OTHERS MUST HAVE THE SAME LEVEL OF WIND RESISTANCE AS WALL PANELS.

3. WORKERS SHALL NOT HAVE THEIR WEIGHT ON FRAMES OR INDIVIDUAL COLUMNS UNTIL THEY HAVE BEEN SECURED WITH GIRTS AND CROSS BRACING.

NOTES: APPROVAL DRAWINGS

× Approval orders must be released for fabrication within THREE (3) calendar days after the submittal drawings are issued or they will be subject to any current price increases.

Special attention should be given in approving dimensions and/or details. Please verify requested dimensions by indicating 'OK'.

Engineering Seal
This certification covers parts manufactured and delivered by ICON Building Systems only and excludes parts such as doors, windows, foundation design and erection of the building.

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT ICON BUILDINGS ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY ICON IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN ICON ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

BUYER/END USE CUSTOMER RESPONSIBILITIES

It is the responsibility of the BUYER/END USE CUSTOMER to obtain appropriate approvals and secure necessary permits from City, County, State, or Federal Agencies as required, and to advise/release ICON to fabricate upon receiving such.

SFR standard specifications apply unless stipulated otherwise in the Contract Documents. ICON design, fabrication, quality criteria, standards, practice, methods and tolerances shall govern the work with any other interpretations to the contrary notwithstanding. It is understood by both Parties that the BUYER/END USE CUSTOMER is responsible for clarification of inclusions or exclusions from the architectural plans and/or specifications.

In case of discrepancies between ICON structural steel plans and plans for other trades, ICON plans shall govern. (Section. 3 AISC Code of Standard Practices, 9th Edition)

Approval of ICON drawings and calculations indicates that ICON has correctly interpreted and applied the Contract Documents. This approval constitutes the contractor/owners acceptance of the ICON design concepts, assumptions, and loading. (Section 4 AISC Code and MBMA 3.3.3)

Once the BUYER/END USE CUSTOMER has signed ICON Approval Package and the project is released for fabrication, changes shall be billed to the BUYER/END USE CUSTOMER including material, engineering and other costs. An additional fee may be charged if the project must be moved from the fabrication and shipping schedule.

The BUYER/END USE CUSTOMER is responsible for overall project coordination. All interface, compatibility, and design considerations concerning any materials not furnished by ICON and ICON steel systems are to be considered and coordinated by the BUYER/END USE CUSTOMER. Specific design criteria concerning this interface between materials must be furnished before release for fabrication or ICON assumptions will govern (Section 4 and Commentary, AISC Code of Standard Practice 9th Edition)

It is the responsibility of the BUYER/END USE CUSTOMER to insure that ICON plans complies with the applicable requirements of any governing building authorities. The supplying of sealed engineering data and drawings for the metal building system does not imply or constitute an agreement that ICON or its design engineers are acting as the engineer of record or design professional for a construction project. These drawings are sealed only to certify the design of the structural components furnished by ICON.

The BUYER/END USE CUSTOMER is responsible for setting of anchor bolts and erection of steel in accordance with ICON "For Construction" drawings only. Temporary supports such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined furnished and installed by the erector. No items should be purchased from a preliminary set of drawings, including anchor bolts. Use only final "For Construction Drawings" for the use. (Section 7 AISC Code of Standard Practice, 9th Edition)

ICON is responsible for the design of the anchor bolt to permit the transfer of forces between the base plate and the anchor bolt in shear, bearing and tension, but is not responsible for the transfer of anchor bolt forces to the concrete or the adequacy of the anchor bolt in relation to the concrete.

Unless otherwise provided in the Order Documents, ICON does not design and is not responsible for the design, material and construction of the foundation or foundation embedment. The END USE CUSTOMER should assure himself that adequate provisions are made in the foundation design for loads imposed by column reactions of the building, other imposed loads, and bearing capacity of the soil and other conditions of the building site.

It is recommended that a Professional Engineer experienced in the design of such structures design the anchorage and foundation of the building. (Section A10 1996 MBMA Low Rise Building Systems Manual)

Normal erection operations include the corrections of minor misfits by moderate amounts of reaming, chipping, welding or cutting, and the drawing of elements into line through the use of drift pins. Errors which cannot be corrected by the foregoing means or which require major changes in member configuration are to reported immediately to ICON by the BUYER/END USE CUSTOMER, to enable whoever is responsible either to correct the error or the approve the most efficient and economic method of correction to be used by others. (Section 7 AISC Code of Standard Practice, 9th Edition.

Neither the fabricator nor the BUYER/END USE CUSTOMER will cut, drill or otherwise alter his work, or the work of other trades, to accommodate other trades, unless such work is clearly specified, the BUYER/END USE CUSTOMER is responsible for furnishing complete information as to materials, size location and number of alterations prior to preparation of shop drawings. (Section 7 AISC Code of Standard Practice, 9th Edition).

DRAWING INDEX

DATE:	JOB NO :	SHT. NO:
1/16/05		CS-1