

SteelBuildingSupplier.com  
Sample Only Not For Construction T-800-732-555

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QUOTE INFORMATION: 11/30/04
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Quote Id: SBS
Purchaser: SteelBuildingSupplier.com
Project:

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SteelBuildingSupplier.com
225 S Academy Blvd Ste 201
Colorado Springs, CO 80910-2768
(800) 793-8555
Contact:
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Customer Info: End User Mailing Address
Falcon, CO

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BUILDING TYPE
=====

Commercial Rigid Frame Steel

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PRICING
=====

Building Components \$
PANEL PACKING 7 sets \$
Building Freight \$
Detail/Draft Fee \$
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TOTAL COST \$

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BUILDING LOCATION
=====

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BUILDING DESIGN SPECIFICATIONS
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----- Dimensions ----- Loading -----
Width(ft): 140 Wind Code: UBC 97 Exposure: C
Length(ft): 80 Wind (mph): 90 Importance: 1.00
Back eave height(ft): 19.5 Roof Live Load (psf): 20
Front eave height(ft): 19.5 Roof Dead Load (psf): 2
Back roof slope: 1.0:12 Roof Snow Load (psf): 35
Front roof slope: 1.0:12 Roof Collateral Load (psf): 1
Seismic: 1
Closed/Partial/Open: Closed

Engineering:
Stamped Plan Sets: none
Design Calc Sets: none

Covering:
Roof: 26 Gauge, PR Panels, Color: Galvalume
Sidewall: 26 Gauge, PR Panels, Color: NEED COLOR
Endwall: 26 Gauge, PR Panels, Color: NEED COLOR
Sidewall trim at eave : NEED COLOR
Endwall (rake) trim at roof : Galvalume
Outside jamb sheeting trim color: NEED COLOR
Outside corner trim color : NEED COLOR
Base trim (if applicable) : NEED COLOR

Framing:

----- Interior -----
4 rigid frames

with interior columns at: 70.00

Frame Design Id	Column Type	Rafter Type
1	tapered depth	tapered depth

Spacing along front sidewall: 4 at 20

----- Exterior Walls -----

Endwall: Left = Rigid, Flush girts  
Right = Bearing, Flush girts  
Sidewall: Front = Flush  
Back = Flush

----- Wind -----

Roof: Cable Diagonal Bracing  
Endwall: Left = Rigid Frame  
Right = Panel Shear  
Sidewall: Front = Cable Diagonal Bracing  
Back = Cable Diagonal Bracing

----- Factory Located Framed Openings -----

Factory Located Framed Openings:  
Left Endwall : none  
Front Sidewall : none  
Right Endwall : none  
Back Sidewall : none

Gutters and Downspouts:  
Front sidewall gutters(ft): none  
Front sidewall downspouts: none  
Back sidewall gutters(ft): none  
Back sidewall downspouts: none

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OPTIONAL ITEMS  
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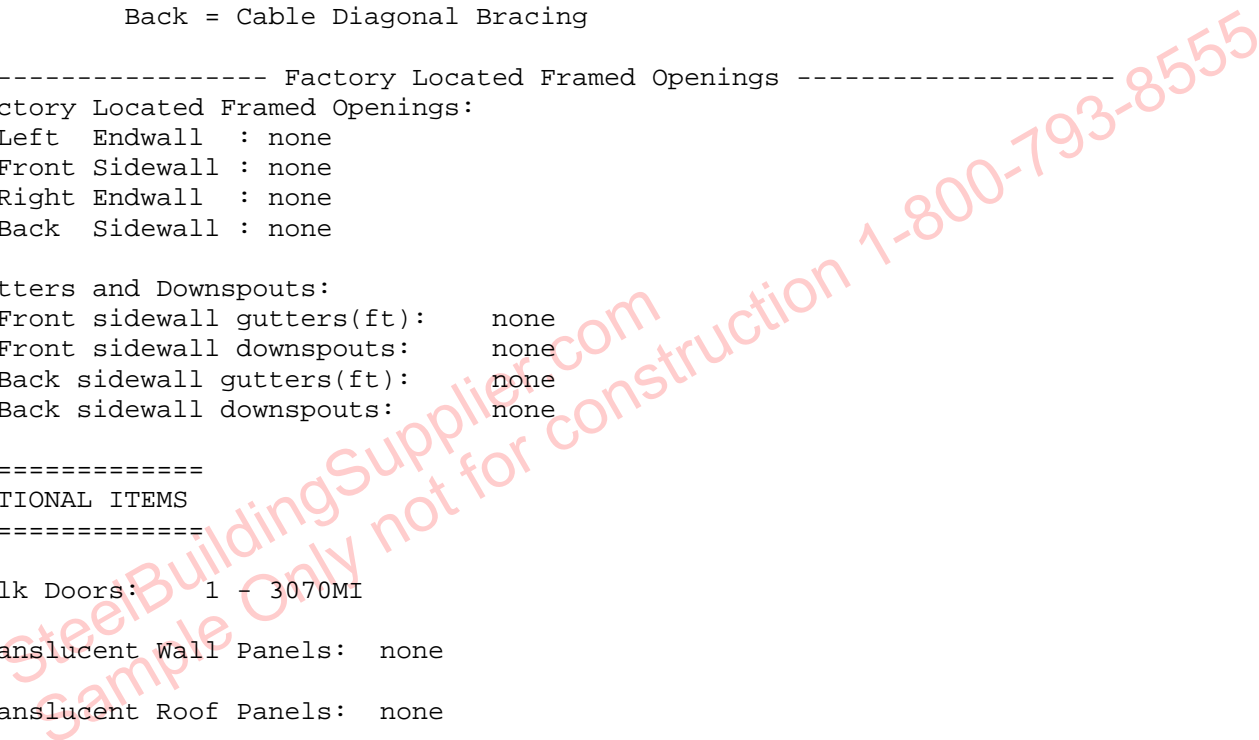
Walk Doors: 1 - 3070MI

Translucent Wall Panels: none

Translucent Roof Panels: none

Insulation:  
Roof: none  
Wall: none

Delivered Weight: 78235.9 lbs

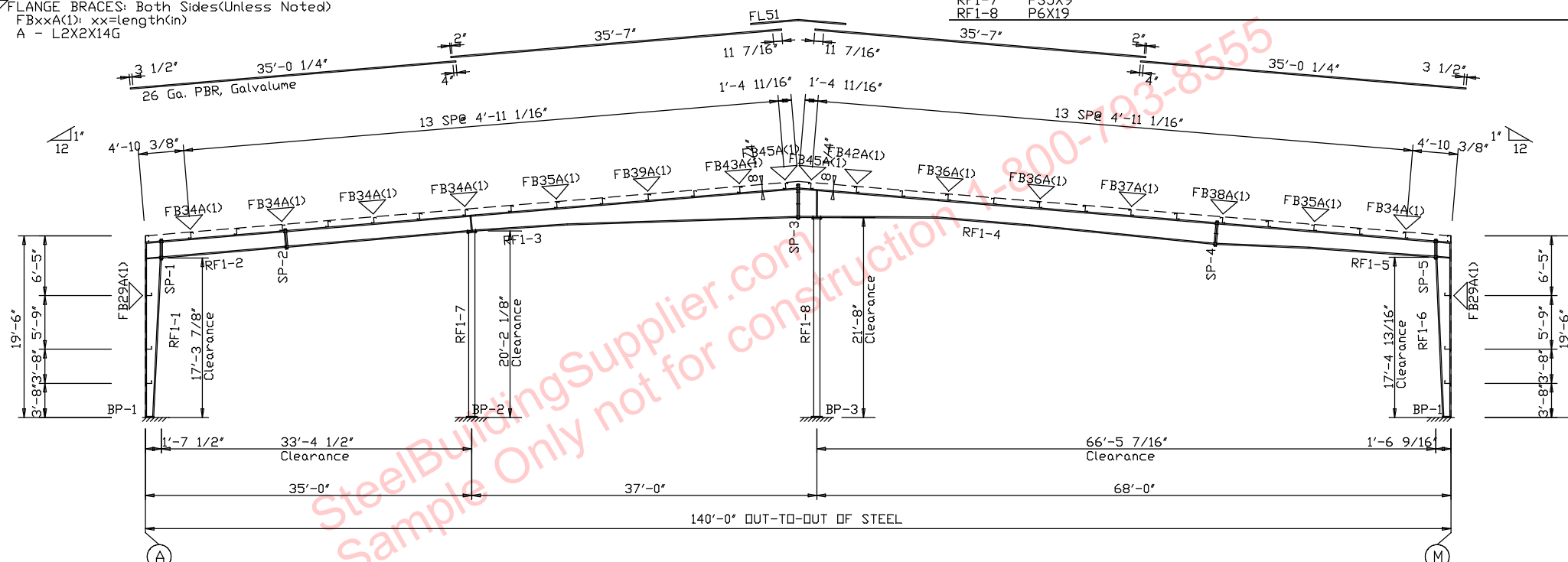


SPlice BOLTS						CAP PLATE BOLTS						
Splice Mark	Quan	Top/Bot/Int	Type	Bolt Dia	Len	Col Id	Qnt	Typ	Dia	Len		
SP- 1	4	4	0	A325	3/4"	2	1/4	RF1-7	4	A325	0.625	2"
SP- 2	4	4	0	A325	5/8"	2"		RF1-8	4	A325	0.625	2"
SP- 3	8	4	2	A325	3/4"	2	1/4					
SP- 4	4	4	2	A325	3/4"	2	1/4					
SP- 5	4	4	0	A325	5/8"	2	1/2					

BASE PLATES		
Col Id	Plate Size	Length
BP- 1	8" 1/2" x 8" 1/2"	8' 1/2"
BP- 2	8" 1/2" x 8"	8'
BP- 3	10" 1/2" x 10"	10'

PIECE	MEMBER SIZE TABLE		OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
	WEB DEPTH START/END	WEB PLATE THICK LENGTH		
RF1-6	20.0 / 18.0	0.188	1'-9 1/8"	6x5/16"x17'-1 5/8"
RF1-7	18.0 / 7.7	0.134	17'-1 3/8"	6x5/16"x17'-1 5/8"
RF1-8	P35X9			
RF1-8	P6X19			

▽ FLANGE BRACES: Both Sides (Unless Noted)  
 FBxxA(1): xx=length(in)  
 A - L2X2X14G



RIGID FRAME ELEVATION  
 FOR FRAME LINE 1

SteelBuildingSupplier.com		SteelBuildingSupplier.com	
PROJECT	SteelBuildingSupplier	RIGID FRAME ELEVATION	
ID	SBS	DESIGN:	
PROJECT ADDRESS	Cessna Dr MeadowLake Falcon CO, 80831	CHECK:	MBC
		DATE: 12/15/04	SHEET 10 OF 15

## BUILDER/CONTRACTOR RESPONSIBILITIES

It is the responsibility of the BUILDER/CONTRACTOR to ensure that all project plans and specifications comply 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 the building manufacturer or its design engineer is acting as the engineer of record or design professional for a construction project.

The contractor must secure all required approvals and permits from the appropriate agency as required.

Approval of drawings and calculations indicate that the building manufacturer correctly interpreted and applied the requirements of the contract drawings and specifications (Section 4.21 AISC code of standard practices, 9th edition).

Where discrepancies exist between the manufacturer's structural steel plans and the plans for other trades, the structural steel plans shall govern (Section 3.3 AISC code of standard practices 9th ed).

Design considerations of any materials in the structure which are not furnished by the building manufacturer/supplier are the responsibility of the contractors and engineers other than the building manufacturer/supplier's engineer unless specifically indicated.

The contractor is responsible for all erection of steel and associated work in compliance with the building manufacturer's "for construction" drawings.

Products shipped to builder or his customer shall be inspected immediately upon arrival. Claims for shortages or defective material if not packaged must be noted to SteelBuildingSupplier.com in writing within five (5) days after the builder learns of the defect. The manufacturer/SteelBuildingSupplier.com shall not be liable for any defect unless claim is made within one (1) year after date of the original shipment by the manufacturer to the builder or his customer. SteelBuildingSupplier.com will be given a reasonable opportunity to inspect defective materials upon receipt of claim by builder.

If a defect is of such nature that it can be remedied by a field operation at the job site without the necessity of returning the material to the manufacturer, then upon written authorization of the manufacturer the builder may repair or cause the material to be repaired and the manufacturer will reimburse the builder for the cost of the repair in accordance with the written authorization.

All bracing as shown and provided by the manufacturer for this building is required and shall be installed by the erector as a permanent part of the structure.

Temporary supports, such as temporary guys, braces, false work, cribbing or other elements required for the erection operation will be determined and furnished and installed by the erector. These temporary supports will secure the steel framing or any partially assembled steel framing against loads comparable in intensity to those for which the structure was designed, resulting from wind, seismic forces and erection operations, but not the loads resulting from the performance of work by or the acts of others, nor such unpredictable loads as those due to tornado, explosion or collision (Section 7.91 AISC code of standard practices, 9th edition).

Design of gutter and downspout is a function of the rainfall intensity and area to be drained. Design parameters utilized are in accordance with the 1986 low rise building system manual and/or the 9th edition of the architectural graphic standards as applicable. Proper owner maintenance dictates that the drainage system be kept free and clear of debris and/or ice at all times to ensure proper function of the gutter and downspout. In those cases where the owner/tenant of a property is unwilling or unable to provide proper maintenance, elimination of gutter should be considered as an alternative.

## APPROVAL NOTES

The following conditions may apply in the event that these drawings are used as approval drawings:

- It is imperative that any changes to these drawings:
  - Be made in contrasting ink and surrounded by "clouding".
  - Have all instances of change clearly indicated.
  - Be legible and unambiguous.

B. Dated signature is required on all pages.

C. SteelBuildingSupplier.com reserves the right to resubmit drawings with extensive or complex changes required to avoid misfabrication. This may impact the delivery schedule.

D. Any changes noted on the drawings not in conformance with the terms and requirements of the contract between SteelBuildingSupplier.com and its customer are not binding on SteelBuildingSupplier.com unless subsequently specifically acknowledged and agreed to in writing by change order or separate documentation. SteelBuildingSupplier.com recognizes that rubber stamps are routinely used for indicating approval, disapproval, rejection or mere review of the drawings submitted. However, SteelBuildingSupplier.com does not accept changes or additions to contractual terms and conditions that may appear with use of a stamp or similar indication of approval, disapproval, etc. Such language applied to the drawings of SteelBuildingSupplier.com by the customer, architect, engineer, or any other party will be considered as unacceptable alterations to these drawing notes, and will not alter the contractual rights and obligations existing between SteelBuildingSupplier.com and its customer.

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Drawing Status:  
 For Approval: these drawings, being for approval, are by definition not final, and are for conceptual representation only. Their purpose is to confirm proper interpretation of the project documents. Only drawings issued "for construction" can be considered complete.  
 For Permit: These drawings, being for permit, are by definition not final in that, as a minimum, piece markings are not identified. Only drawings issued "for construction" can be considered as complete.  
 For Construction Final Drawings.

MBC

## GENERAL NOTES SteelBuildingSupplier.com

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 and direction of a registered architect, civil or structural engineer. The building manufacturer will assume no responsibility for any loads not indicated.

This metal building is designed with the building manufacturer's standard practices which are based on pertinent procedures and recommendations of the following organizations and codes:

- American Institute of Steel Construction "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings".
- American Iron and Steel Institute "Specification for the Design of Cold Formed Steel Structural Members".
- American Welding Society "Structural Welding Code" AWS D11.
- Metal Building Manufacturer's Association "Low Rise Building Systems Manual".
- International Conference of Building Officials "Uniform Building Code".
- Southern Building Code Congress International "Standard Building Code".
- Building Official and Code Administrators International "BOCA National Building Code".
- National Building Code of Canada.

Material properties of steel plate used in the fabrication of primary rigid frames, and other primary structural exclusive of cold formed sections, conform to ASTM-A529 or A-572. Flanges with thickness of 1" or less and width of 12" or less conform to A-529 with a minimum yield point of 50,000 PSI. Web material conforms to ASTM-A36 modified with a minimum yield point of 46,000 PSI.

Material properties of pipe sections conform to ASTM-A53 type E, grade B with a minimum yield point of 35,000 PSI.

Material properties of hot rolled steel members conform to the requirements of ASTM-A36 or A572 with a minimum yield point of 50,000 PSI.

Material properties of cold formed light gage steel members conform to ASTM-A570 or A607 grade 55 modified with a minimum yield point of 57,000 PSI.

Material properties of roof/wall sheeting, base metal conform to ASTM-A792 grades D or E with minimum yield points of 50,000 PSI and 80,000 PSI respectively, as required by design. Coating of base material is 55 Z aluminum-zinc alloy in accordance with A255 specifications.

Cable utilized for bracing conforms to ASTM A475. Cable bracing is to be installed to a taut condition with all slack removed.

Roof and angle utilized for bracing members conform to ASTM A36.

Structural joints with ASTM A-325 high strength bolts, where indicated on the drawings, shall be assembled and the fasteners tightened in accordance with "turn of nut" method as described in the specification for structural joints using ASTM A-325 or A-490 bolts (11-18-33), unless otherwise noted. All joints will be assembled without washers unless otherwise noted.

All steel members except bolts, fasteners and cable shall receive one shop coat of iron oxide corrosion inhibitive primer, meeting the performance requirements of T1P-636.

Shop and field inspections and associated fees are the responsibility of the contractor, unless stipulated otherwise in the contract.

The metal building manufacturer will identify primary structural steel with a minimum yield point greater than 36,000 PSI by means of a sticker near the erection mark on each shipped piece. Secondary members with a yield point equal to or greater than 33,000 PSI shall be identified by means of a sticker near the erection mark on each shipped piece. (This is in accordance with the 1997 UBC section 2203, subsection 2203.2 and 2203.3.)

## SAFETY COMMITMENT SteelBuildingSupplier.com

The building manufacturer/supplier has a consistent to manufacture quality building components that can be safely erected. However, the safety commitment and job site practices of the erector are beyond the control of the building manufacturer.

The supplier strongly recommends that safe working conditions and accident prevention practices be the top priority of any job site.

Local, state and federal safety and health standards ([www.osha.gov](http://www.osha.gov)) should always be followed to help insure worker safety.

Make certain all employees wear the safest and most productive way of erecting a building. Emergency procedures should be known to all employees.

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.

### PRIMER

Shop primer paint is a rust inhibitive primer which meets or exceeds the end performance of federal specifications TT-P-636c and TT-P-664 and is a red oxide primer. This primer is not intended for long term exposure to the elements. SteelBuildingSupplier.com is not responsible for any deterioration of the shop primer as a result of improper handling and/or storage. SteelBuildingSupplier.com shall not be responsible for any field-applied paint and/or coatings. (Section 6.5 AISC Code of Standard Practice, 9th Ed.)

### A325 BOLT TIGHTENING REQUIREMENTS

All high strength bolts are A325-N unless specifically noted otherwise. Structural bolts shall be tightened by the turn of nut method in accordance with the 9th edition of the "AISC Steel Construction Manual". A325 bolts are supplied without washers unless noted otherwise. All bolted connections are designed as bearing type connections with the bolt threads included in the shear plane.

ERECTION NOTES: (ERECTION AND UNLOADING NOT BY SteelBuildingSupplier.com)

All bracing shown and provided by SteelBuildingSupplier.com 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.

### SHORTAGES (SEE MBMA 5.2.1)

The quantity of crates and structural items shipped shall be checked and any shortages or other discrepancies with respect thereto shall be reported to SteelBuildingSupplier.com on the day of delivery and such discrepancy confirmed in writing within seven (7) days. With respect to items or quantities within unopened crates and any latent defects, it shall be the duty of the purchaser to notify SteelBuildingSupplier.com on the date such defect or shortage is discovered and confirm such notice in writing to SteelBuildingSupplier.com within (7) days thereof.

### CORRECTIONS OF ERRORS AND REPAIRS (SEE MBMA 6.10)

Claims for correction of alleged misfits will be disallowed unless SteelBuildingSupplier.com shall have received prior notice thereof and allowed reasonable inspection of such misfit. The correction of minor misfits by 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 SteelBuildingSupplier.com.

## FIELD WORK SUMMARY

1. Walk doors and windows will need to be "cut in." Check for bracing on the plan before locations are determined.

2. For a pitched roof, the top of the panels on the rake side will need to be clipped in order for the rake trim to fit.

3. Slots will need to be cut in the appropriate girts to accommodate the cables or rods where such bracing will be used.

## ENGINEERING STAMP:

## BUILDING DATA

WIDTH (Ft)	140
LENGTH (Ft)	80
EAVE HEIGHT (Ft)	19.5
ROOF SLOPE (rise/12")	1/812
SIDEWALL BAY SPACING	4 at 20
LEFT ENDWALL BAY SP	4 at 18/75
RIGHT ENDWALL BAY SP	7 at 20
FR. SIDEWALL GIRT TYPE	Flush
RC. SIDEWALL GIRT TYPE	Flush
L.T. ENDWALL GIRT TYPE	Flush
R.T. ENDWALL GIRT TYPE	Flush
ROOF FRAMING	Bypass purlins at 4.982 Ft spacing
ROOF PANEL TYPE	PBR
ROOF PANEL GAUGE	26 GA
INTERIOR FRAMING	1 rigid frame
WALL PANEL TYPE	PBR
WALL PANEL GAUGE	26 GA
DEAD LOAD (psf)	2
LIVE LOAD (psf)	20
DEFLECTION ALLOWED (ROOF SNOW LOADS)	35
COLLATERAL LOAD (psf)	1
GOVERNING CODE	UBC 97
WIND SPEED (mph)	90
CLOSURE	Closed
WIND EXPOSURE	C
WIND IMPORTANCE	1.00
SEISMIC ZONE	1
SEISMIC COEFF.	0.050
SEISMIC IMPORTANCE	1.00
WALL GIRT MAX. DEFL. L/span	90
ROOF PURLIN L.L. DEFL. L/span	180
RIGID FRAME HORIZ. DEFL. H/span	60
ANCHOR BOLTS	BY OTHERS

## DRAWING INDEX

ISSUE	PAGE	DESCRIPTION
	C1	COVER SHEET
	C2	3D
	1	Anchor Bolt Plan
	2	Anchor Bolt Plan Connections
	3	Anchor Bolt Plan Reactions
	4	Sidewall Framing
	5	Sidewall Sheeting
	6	Endwall Framing
	7	Endwall Sheeting
	8	Roof Framing
	9	Roof Sheeting
	10	Rigid Frame Elevation 1
	11	Rigid Frame Elevation 2
	12	Structural Details A
	13	Structural Details B
	14	Structural Details C
	15	Structural Details D

PROJECT:	SteelBuildingSupplier Cessna Dr MeadowLake Falcon CO, 80831	BUILDING SIZE:	140.0 x 80.0 x 19.5	JOB NUMBER:	SBS
CUSTOMER:	SteelBuildingSupplier.com	DESIGN:	DATE: 12/15/04	CHECK:	DRAWING NUMBER
DWG NAME:	DRAWINGS COVER SHEET	SCALE:	NONE	REV. NO:	C1