AIA® Document A101™ – 1997

Standard Form of Agreement Between Owner and Contractor

where the basis of payment is a STIPULATED SUM

AGREEMENT made as of the Sixth day of October in the year of Two Thousand Eight
(In words, indicate day, month and year)

BETWEEN the Owner:
(Name, address and other information)

City of Jonesboro
515 West Washington
Jonesboro, AR 72401

and the Contractor:
(Name, address and other information)

*(Paragraphs deleted)*Construction Network, Inc
1723 Executive Square
Jonesboro, AR 72401
Telephone Number: 870-972-5632
Fax Number: 870-935-0043

(Paragraphs deleted)
The Project is:
(Paragraphs deleted)
Bleacher & Dugout Covers
Joe Mack Campbell Park
Jonesboro, Arkansas

The Owner and Contractor agree as follows.

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

AIA Document A201-1997, General Conditions of the Contract for Construction, is adopted in this document by reference. Do not use with other general conditions unless this document is modified.

This document has been approved and endorsed by The Associated General Contractors of America.

ARTICLE 1 THE CONTRACT DOCUMENTS

The Contract Documents consist of this Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to execution of this Agreement, other documents listed in this Agreement and Modifications issued after execution of this Agreement; these form the Contract, and are as fully a part of the Contract as if attached to this Agreement or repeated herein. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral. An enumeration of the Contract Documents, other than Modifications, appears in Article 8.

ARTICLE 2 THE WORK OF THIS CONTRACT

The Contractor shall fully execute the Work described in the Contract Documents, except to the extent specifically indicated in the Contract Documents to be the responsibility of others.

ARTICLE 3 DATE OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

§ 3.1 The date of commencement of the Work shall be the date of this Agreement unless a different date is stated below or provision is made for the date to be fixed in a notice to proceed issued by the Owner.
(Insert the date of commencement if it differs from the date of this Agreement or, if applicable, state that the date will be fixed in a notice to proceed.)

*(Paragraphs deleted)*The commencement date will be fixed in a notice to proceed.

§ 3.2 The Contract Time shall be measured from the date of commencement.

§ 3.3 The Contractor shall achieve Substantial Completion of the entire Work not later than
(Paragraphs deleted)
150 days from the date of commencement.

ARTICLE 4 CONTRACT SUM

§ 4.1 The Owner shall pay the Contractor the Contract Sum in current funds for the Contractor's performance of the Contract. The Contract Sum shall be One Hundred Six Thousand Dollars and Zero Cents ($ 106,000.00), subject to additions and deductions as provided in the Contract Documents.

§ 4.2 The Contract Sum is based upon the following alternates, if any, which are described in the Contract Documents and are hereby accepted by the Owner:
(State the numbers or other identification of accepted alternates. If decisions on other alternates are to be made by the Owner subsequent to the execution of this Agreement, attach a schedule of such other alternates showing the amount for each and the date when that amount expires)

not applicable

(Table deleted)
(Paragraph deleted)

ARTICLE 5 PAYMENTS

§ 5.1 PROGRESS PAYMENTS

§ 5.1.1 Based upon Applications for Payment submitted to the Architect by the Contractor and Certificates for Payment issued by the Architect, the Owner shall make progress payments on account of the Contract Sum to the Contractor as provided below and elsewhere in the Contract Documents.

(Paragraphs deleted)
§ 5.1.3 Provided that an Application for Payment is received by the Architect not later than the Twenty-fifth day of a month, the Owner shall make payment to the Contractor not later than the Tenth day of the following month. If an Application for Payment is received by the Architect after the application date fixed above, payment shall be made by the Owner not later than Fifteen (15) days after the Architect receives the Application for Payment.

§ 5.1.4 Each Application for Payment shall be based on the most recent schedule of values submitted by the Contractor in accordance with the Contract Documents. The schedule of values shall allocate the entire Contract Sum among the various portions of the Work. The schedule of values shall be prepared in such form and supported by such data to substantiate its accuracy as the Architect may require. This schedule, unless objected to by the Architect, shall be used as a basis for reviewing the Contractor's Applications for Payment.

§ 5.1.5 Applications for Payment shall indicate the percentage of completion of each portion of the Work as of the end of the period covered by the Application for Payment.

§ 5.1.6 Subject to other provisions of the Contract Documents, the amount of each progress payment shall be computed as follows:

.1 Take that portion of the Contract Sum properly allocable to completed Work as determined by multiplying the percentage completion of each portion of the Work by the share of the Contract Sum allocated to that portion of the Work in the schedule of values, less retainage of Ten percent (10.00%). Pending final determination of cost to the Owner of changes in the Work, amounts not in dispute shall be included as provided in Section 7.3.8 of AIA Document A201-1997;

.2 Add that portion of the Contract Sum properly allocable to materials and equipment delivered and suitably stored at the site for subsequent incorporation in the completed construction (or, if approved in advance by the Owner, suitably stored off the site at a location agreed upon in writing), less retainage of Zero percent (0.00%);

.3 Subtract the aggregate of previous payments made by the Owner; and

.4 Subtract amounts, if any, for which the Architect has withheld or nullified a Certificate for Payment as provided in Section 9.5 of AIA Document A201-1997.

§ 5.1.7 The progress payment amount determined in accordance with Section 5.1.6 shall be further modified under the following circumstances:

.1 Add, upon Substantial Completion of the Work, a sum sufficient to increase the total payments to the full amount of the Contract Sum, less such amounts as the Architect shall determine for incomplete Work, retainage applicable to such work and unsettled claims; and
(Section 9.8.5 of AIA Document A201-1997 requires release of applicable retainage upon Substantial Completion of Work with consent of surety, if any.)

.2 Add, if final completion of the Work is thereafter materially delayed through no fault of the Contractor, any additional amounts payable in accordance with Section 9.10.3 of AIA Document A201-1997.

§ 5.1.8 Reduction or limitation of retainage, if any, shall be as follows:
(If it is intended, prior to Substantial Completion of the entire Work, to reduce or limit the retainage resulting from the percentages inserted in Sections 5.1.6.1 and 5.1.6.2 above, and this is not explained elsewhere in the Contract Documents, insert here provisions for such reduction or limitation.)

When project reaches fifty percent (50%) complete, one hundred percent (100%) of the value of the work in place will be paid to the contractor by the owner in monthly installments as work progresses in proportion to the amount of work executed during the monthly period less previous payments. No additional retainage will be held past the fifty percent (50%) completion stage.

§ 5.1.9 Except with the Owner's prior approval, the Contractor shall not make advance payments to suppliers for materials or equipment which have not been delivered and stored at the site.

§ 5.2 FINAL PAYMENT
§ 5.2.1 Final payment, constituting the entire unpaid balance of the Contract Sum, shall be made by the Owner to the Contractor when:

.1 the Contractor has fully performed the Contract except for the Contractor's responsibility to correct Work as provided in Section 12.2.2 of AIA Document A201-1997, and to satisfy other requirements, if any, which extend beyond final payment; and

.2 a final Certificate for Payment has been issued by the Architect.

§ 5.2.2 The Owner's final payment to the Contractor shall be made no later than 30 days after the issuance of the Architect's final Certificate for
(Paragraphs deleted)
Payment.

(Paragraphs deleted)

ARTICLE 7 MISCELLANEOUS PROVISIONS

§ 7.1 Where reference is made in this Agreement to a provision of AIA Document A201-1997 or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

(Paragraphs deleted)
§ 7.3 The Owner's representative is:
(Name, address and other information)

Doug Forman, Mayor
515 West Washington Ave
Jonesboro, AR 72401

§ 7.4 The Contractor's representative is:
(Name, address and other information)

Sean Stem
1723 Executive Square
Jonesboro, AR 72401

§ 7.5 Neither the Owner's nor the Contractor's representative shall be changed without ten days written notice to the other party.

(Paragraphs deleted)

ARTICLE 8 ENUMERATION OF CONTRACT DOCUMENTS

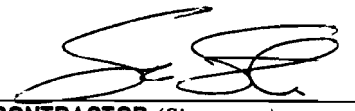
§ 8.1 The Contract Documents, except for Modifications issued after execution of this Agreement, are enumerated as follows:

§ 8.1.1 The Agreement is this executed 1997 edition of the Standard Form of Agreement Between Owner and Contractor, AIA Document A101-1997.

§ 8.1.2 The General Conditions are the 1997 edition of the General Conditions of the Contract for Construction, AIA Document A201-1997.

(Table deleted)
(Paragraphs deleted)
(Table deleted)
(Paragraph deleted)
§ 8.1.5 The Drawings are as follows, and are dated unless a different date is shown below:
(Either list the Drawings here or refer to an exhibit attached to this Agreement.)
Title of Drawings exhibit: Exhibit A, Bid Specifications, Bleacher & Dugout Covers

This Agreement entered into as of the day and year first written above.



10-6-08

CONTRACTOR *(Signature)*

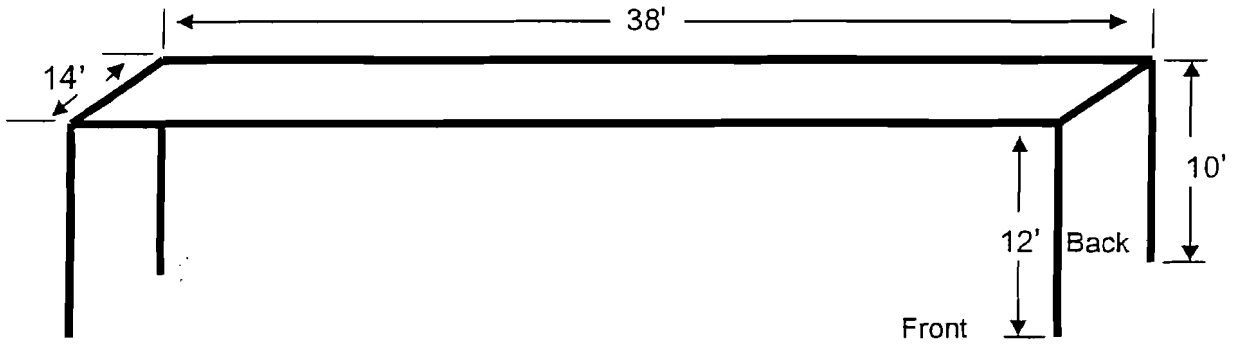
Sean Stem, President

(Printed name and title)

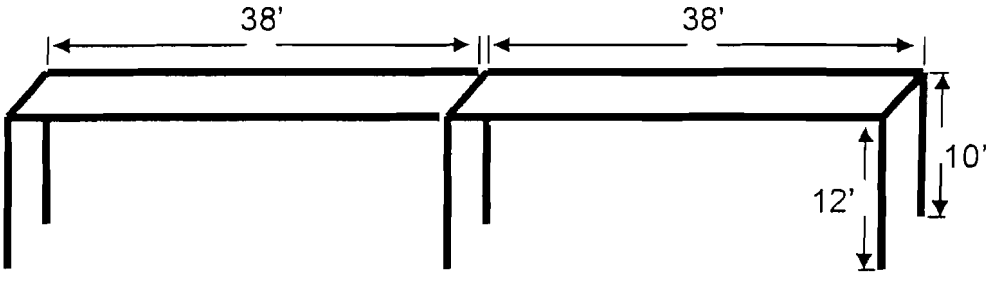
Exhibit A

Bid Specifications
Bleacher & Dugout Covers
Four (4) Structures 76' W x 14' D with 12' H Front and 10' H Rear

A. General: Bids shall include the furnishing and installation of all equipment and accessories listed in the specifications.
B. Acceptable Manufacturers: The equipment specified, in order to establish a basis of design, performance, and quality, is based on Varco-Pruden Buildings
C. Substitutions: Manufacturers' must clearly show that the products being furnished are in compliance with these specifications and match the existing bleacher and dugout covers located at Joe Mack Campbell Park (3021 Dan Ave., Jonesboro, AR)
D. Installation: Five columns (5) of each structure to be surface mounted on existing concrete pad. One (1) column to be surface mounted on footing constructed by installer.
E Structure size; (see drawing)
Clear opening front - 38' W x 12' H
Clear opening back - 38' W x 10' H
Clear opening side - 14' W x 12' H in front and 10' H in back
Two of these structures will be joined together with common center columns



Bleacher & Dugout Covers
2 - 38' Sections connected using same Center Columns



City of Jonesboro
Bid # _ _ _ _ : _ _

SECTION 13122
METAL BUILDING SYSTEMS
PART 1 - GENERAL

1. • 01 WORK INCLUDED

Pre-engineered metal building, complete with structural framing (columns, rafters, struts, purlins, girts); prefinished roofing, metal flashings; trim; fixed base columns; rod bracing in the roof; and all other materials required for a complete installation.

1.02 DESCRIPTIONS

Building Type: SSB

Clear Span single slope rigid frame with uniform depth columns and uniform or variable depth rafters.

Roof Slope: 3.00/12

Column Spacing at Exterior Walls: As shown on drawings.

Minimum Eave Height: 10'-O low side, measured vertically from top of eave strut at sidewall steel line to base of sidewall frame column.

Grouting under columns may be required.

1 • 03 QUALITY ASSURANCE

Codes and Standards:

Use following where applicable in building design:

AWS D1.1 "Structural Welding Code-Steel."

MBMA "Low-Rise Building Systems Manual," 1986 Edition with 1990 Supplement.

AISI "Specifications for the Design of Cold Formed Steel Structural Members," 1986 Edition with 1989 Addendum.

AISC "Steel Construction Manual" and "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings."

Metal building manufacturer shall be certified in accordance with American Institute of Steel Construction (AISC) quality certification program category MB for metal buildings. This certification is to cover areas of general management, engineering and drafting, procurement, operations and quality control. The successful bidder shall provide proof of certification.

AISC "Specification for Structural Joints
using ASTM A325 or ASTM A490 bolts."

Use the following where applicable in other phases of design:

Building Code and regulations of local governing authorities having jurisdiction at project site.

Design Criteria:

Building Code: - SBC 97
Occupancy: - Normal

Roof Collateral Loads:
Ceiling : 0.00
Sprinkler : 0.00
Other : 0.00

Ground Snow Load: - 10.0
Snow Site Exposure Factor : - Open
Thermal Factor : - Opem

Design Live Load Required : - 20.0
Frame Reduction Allowed : - Yes

Wind Design Velocity : - 90.0 mph
Wind Site Exposure : - Exposure C
Wind Category : - Inland

Seismic Zone: - Zone 3
Accelerated Zone : - Zone 3
Velocity Zone : - Zone 3
Accelerated Coefficient : - 0.25
Velocity Coefficient : - 0.25

Vertical Design Loads:

Purlin (Joists) : - 20.00 psf
Rigid Frames : - 20.00 psf
Endwalls : - 20.00 paf

Deflection Criteria:

Roof Purlins

Live Load : L/240
Snow Load : L/240
Wind Load : L/240
Total Gravity : L/240
Total Uplift : L/240

Roof Rafters

Live Load : L/180
Snow Load : L/180
Wind Load : L/180
Total Gravity : 74180
Total Uplift : LI18O

Wall

Girts : L/ 90
Endwall Columns : L/ 90

Frame Sidesway

Total Gravity : HI 90
Total Lateral : HI 50
Crane Load : H/100

Load Combinations: As required per the Building Code specified.
Minimum Load Combinations Considered:

a. DL+LL
b. DL + SNOW
c. DL+A
d. DL+W12
e. DL+EQ
f. DL+SNOW+A
g. DL+SNOW+EQ
h. DL+1/2WL+A
i. DL+1/2EQ+A
j. DL+SNOW+1/2 WI2
k. DL+1/2SNOW+WL

where,

DL = Roof dead load
LL = Roof live load
SNOW = Roof snow load
WL = Lateral primary wind load
EQ = Lateral seismic load
A = Auxiliary load

NOTES:

(1) For multistory buildings, or buildings with mezzanines, floor live loads shall be combined with the dead loads including specified collateral loads or with loading combinations (a) through (k), if the result is more severe.

(2) Roof snow loads in loading combination (f) shall be: Zero when the roof snow loads are less than or equal to 13 PSF (0.622 kPa); .58 when it is greater than 13 PSF (0.622 kpa), but less than 31 PBF (1.484 kPa), .758 when it is equal to or greater than 31 PSF (1.484 kPa).

(3) Roof snow loads in loading combination (g) shall be: Zero when roof snow loads are less than 31 PSF (1.484 kPa); .258 when it is equal to or greater than 31 PSF (1.484 kPa).

(4) For the load combination (i.) in the case D + 1.OEQ + A, the Auxiliary Crane Loads shall include only the total weight of crane including bridge with end trucks and hoist with trolley.

Building System Reference Standard: To establish quality by which metal building systems by other manufacturers will be judged, bidders are advised that this specification is based upon metal building system produced by VARCO-PRUDEN (VP) BUILDINGS, Inc. 3200 Players Club Circle, Memphis, TN 38125

1.04 SUBMITTALS

General: To Comply with general conditions.

Shop Drawings and Calculations:

Design Calculations and Erection Drawings:
Prepared by, or under direct supervision of, Registered Professional Engineer, licensed to practice in State of AR with all drawings and calculations bearing engineer's seal.

Show each type structural building frame required and their locations within structure; details of anchor bolt settings; sidewall, endwall, and roof framing; diagonal bracing and location within structure; metal floor deck and joist types; wall and roof insulation and types; longitudinal and transverse cross sections; details of curbs, roof jacks, and items penetrating roof; canopy framing and details; trim, gutters, downspouts, liner panels, wall and roof coverings, and all accessory items; materials; finishes; construction and installation details; and other pertinent information required for proper and complete fabrication, assembly and erection of watertight metal building system.

Material and Color Samples:

For each specific material sample requested by architect, submit in size, form, and number directed.

Submit duplicate color sample sets showing full color range available, for selection purposes.

Product Data: Two (2) copies of manufacturer's specifications and descriptive literature.

Certification: Two (2) copies of written certification, prepared and signed by Registered Professional Engineer licensed to practice in State of AR , attesting that building design meets specified loading requirements, requirements of codes and authorities having jurisdiction at project site, and other requirements specified.

Metal building manufacturer shall submit certification of design to the architect to be an approved manufacturer and that the roof system shall qualify for UI. Class 90 and state construction number. Metal building manufacturer will furnish to the architect certification that he is a member of the Metal Building Manufacturers' Association and has been certified by the American Society of Testing Materials under Category ASTM-MB.

1 • 05 PRODUCT HANDLING, DELIVERY AND STORAGE

Deliver and store prefabricated components, sheets, panels, and other manufactured items so they will not be damaged or deformed.

Stack materials on platforms or pallets above grade or on concrete slab, covered with opaque tarpaulins or other approved weather-resistant ventilated covering.

Store metal sheets and panels if subjected to water accumulation in such a manner so they will drain freely. Do not store sheets and panels in contact with other materials which might cause staining.

Damaged material must be reported to determine if replacement is required.

Inspect panels to prevent moisture between panels, and secure as required.

1.06 WARRANTIES

All Components: Manufacturer's standard one (1) year workmanship warranty.

Roof panels with full 70 percent polyvinylidene fluoride (Kynar) finish: Ultra Premium 20-year warranty.

PART 2 - PRODUCTS AND FABRICATION

2 • 01 STRUCTURAL STEEL

Materials:

Structural Plate or Bar Stock: Minimum yield strength (Fy) of 50,000 PSI (344,737 kPa).

Cold Formed Structural Steel: Minimum yield strength (Fy) of 55,000 PSI (379,211 kPa).

Primary Structural Bolts and Nuts: ASTM A325; size and quantity required by metal building system manufacturer.

All primary and secondary steel as well as all fasteners in the structural portion of the building to be hot dipped galvanized.

Fabrication:

Primary Framing: Rigid frames of shop-welded steel plate columns and rafters, both tapered and uniform depth sections as required by drawings, complete with all necessary stiffeners, connection plates and holes for field-bolted assembly.

Columns and Rafters: Fabricated with holes in web and/or flanges for attachment of secondary members.

Splice Plates: Factory fabricated for precision for all rafter-to-rafter and/or column-to-rafter connections, complete with connection bolt holes.

Base Plates, Cap Plates, Splice Plates and Stiffeners: Fabricate to sizes required, complete with all holes for connection of primary and secondary structural members. Factory weld into place.

Join flanges and webs of structural members fabricated of plate or bar stock together by continuous automatic submerged arc welding process with all welding

performed under the supervision of certified welders in accordance with standard practices of AWS Dl. 1.

Make all primary rigid frame field-bolted connections with A325 high-strength bolts of size required by building system manufacturer.

Clean all components of oil, dirt, loose scale, and foreign matters. Hot dip galvanize all structural parts

Endwall Framing: Precision cold-formed and/or shop-welded steel plate members consisting of rafters and columns fabricated for field-bolted assembly.

Columns, Rafters, Splice Plates, Clips, Angles and Channels: Factory fabricate to size required.

Plate Stock Endwall Framing Members: Join flanges and webs by continuous automatic submerged arc welding process, under the supervision of welders certified in accordance with standard practices of AWS Dl .1.

Clean components of oil, dirt, loose scale and foreign matter and hot dip galvanize.

Secondary Framing, (Purlins, Girts, Struts, Flange Braces, Base Angles, as required):

Purlins: Manufacturer's standard 8.5 " Z sections, roll formed from minimum (Fy) 55,000 PSI (379,211 kPa) steel, punched for attachment.

Girts: 8.5 " Z or channel sections of roll formed Fy 55,000 PSI (379,211 kPa) steel, punched for attachment with 1/2" (127mm) diameter bolts.

Eave Struts: 8.5 " x 3 1/4" (82.55mm) sections of cold formed minimum Fy 55,000 PSI (379,211 kPa) steel, with vertical web to receive sidewall panels and four (4) 1/2" (12.7mm) diameter bolt attachments to rigid frame in factory-punched holes in column or bracket.

Roof Struts: Provide as required, detailed and shown on final shop drawings, as required by design analysis, with attachment to top flange or rigid frame rafters by two (2) 1/2" (12.7mm) minimum size diameter bolts at each end of strut.

Flange Braces: Steel angles attached to purlin or girt, to stiffen rigid frame flanges as dictated by design and noted on final shop drawings.

Optional Base Angle for Wall Panels: 3"(76.2nmi) x 2" (50.8mm) x 0.071" (1.8mm) angle of commercial grade steel, for field attachment to foundation with approved type drive anchors.

Clean secondary framing components to be free from oil, dirt, loose scale and foreign matter and hot dip galvanize.

2.02 ROOFING and SIDING

Roofing and Siding Panels:

Roof Panels:

Description: The ribbed roof panel shall be precision roll-formed to provide 36" (914.4mm) 26 -gauge, 80,000 PSI minimum (551,580 kPa) yield steel. The panels shall have 1 1/8" (28.58mm) high major ribs at 12" (304.8mm) o.c. with two minor ribs symmetrically spaced between the major ribs. Panel sidelaps shall be formed by lapping major ribs at the panel edges. The underlapping rib shall have full bearing legs to support the sidelap.

Panel end splices shall be over a structural member and shall be a 6" (152.4mm) minimum lap. Panels shall be longest length possible to minimize endlaps. Perimeter trim, ridge panel and transition flashing will be provided as required to complete the roof assembly. Closures, sealants and fasteners will be provided as required for a weathertight installation. Fastener spacing and type to be determined by manufacturer's standard offering. Product/Manufacturer. Equal to "DuraRib" roof panels produced by STAR BUILDING SYSTEMS, Oklahoma City, Oklahoma.

Panel Finishes:

ASR Standing seam Roof Panel:

Manufacturer's standard 0.5 oz. per sq. ft. aluminum-zinc alloy-coating with Classic Green* color full 70 percent polyvinylidene fluoride (1ynar) finish.

Fasteners:

Single Skin Ribbed Roof Panels: Manufacturer's standard #12 -14 x 1 1/4" (31.75mm) self-drilling screws, long-life coated, unpainted or painted with sealing washer, or #12-14 x 2. 1/4" (31.75mm) carbon steel self-drilling screws, with stainless steel cap or zinc/aluminum alloy head and sealing washer.

Trim Fasteners: Manufacturer's standard plated and finish painted #8 x 5/8" (15.875mm) self- drilling screws with 1/4" (6.35mm) hex washer head.

Roof Panel Sealant: Approved type, nonshrinking, nondrying butyl-based sealant, specifically V formulated for roof application at temperatures from 20 degrees F (-6.67 degrees Celsius) to 120 degrees F (48.88 degrees Celsius) and shall be in accordance with United States Federal Spec TT-C-1796A (Type II, Class B).

2.03 WIND BRACING

Commercial grade steel rod bracing in roof with fixed base columns as determined by manufacturer on the final shop drawings.

Steel Rod Bracing: Provide complete with necessary slope washers, flat washers and adjusting nuts at each end.

Clean components free of oil, dirt, loose scale and foreign matter and hot dip galvanize.

2.05 ACCESSORIES

A. Gutters and Downspouts

Gutters for standing seam roof shall be suspended box sections of 26-gauge galvanized factory-colored steel formed to match the configuration of the gable trim and shall have a minimum cross section of 36 square inches. Gutter shall be attached to the roof panel using standard fasteners as specified on manufacturer's drawings. Gutter sections shall be lapped and all splices and end closures shall be sealed with aluminized sealant and then fastened with trim fasteners as specified on manufacturer's drawings. Downspouts shall be 26-gauge galvanized factory-colored steel with a minimum cross section of 20 square inches.

Downspouts shall be located according to design requirements as specified. Downspouts shall be field attached to the gutter. Downspouts shall be attached to the wall panel using 26-gauge galvanized factory-colored steel straps on 10'-0" (3.048m) centers. A 75-degree elbow shall be provided at the base of all downspouts to direct the water flow away from the building.

Finish: Manufacturer's standard siliconized polyester system finish or full 70 polyvinylidene fluoride (Kynar) finish in color as selected by owner.
Panel end splices shall be over a structural member and shall be a 6" (152.4mm) minimum lap. Panels shall be longest length possible to minimize endlaps. Perimeter trim, ridge panel and transition flashing will be provided as required to complete the roof assembly. Closures, sealants and fasteners will be provided as required for a weathertight installation. Fastener spacing and type to be determined by manufacturer's standard offering. Product/Manufacturer. Equal to "DuraRib" roof panels produced by STAR BUILDING SYSTEMS, Oklahoma City, Oklahoma.
Panel Finishes:
ASR Standing seam Roof Panel:
Manufacturer's standard 0.5 oz. per sq. ft. aluminum-zinc alloy-coating with Classic Green* color full 70 percent polyvinylidene fluoride (1ynar) finish.
Fasteners:
Single Skin Ribbed Roof Panels: Manufacturer's standard #12 -14 x 1 1/4" (31.75mm) self-drilling screws, long-life coated, unpainted or painted with sealing washer, or #12-14 x 2. 1/4" (31.75mm) carbon steel self-drilling screws, with stainless steel cap or zinc/aluminum alloy head and sealing washer.
Trim Fasteners: Manufacturer's standard plated and finish painted #8 x 5/8" (15.875mm) self- drilling screws with 1/4" (6.35mm) hex washer head.
Roof Panel Sealant: Approved type, nonshrinking, nondrying butyl-based sealant, specifically V formulated for roof application at temperatures from 20 degrees F (-6.67 degrees Celsius) to 120 degrees F

PART 3 - EXECUTION

3.01 ERECTION

General:

Erection shall be accomplished by a trained, competent erector having experience in erecting metal buildings.

Install all metal building system components in strict compliance with manufacturer's instructions shown on final shop drawings.

Handle and store all materials to avoid damage and replace any damaged materials.

Erector shall observe and follow recommendations of the Metal Building Manufacturers Association (MBMA), the American Institute of Steel Construction (AISC), and the Occupational Safety and Health Administration (OSHA) practices, procedures and safety standards where applicable.

Do not field cut or alter structural members without approval from manufacturer.

Structural Frames:

Erect true to line, level and plumb, brace and secure with temporary bracing in all directions as required.

Level base plates and secure to anchor bolts to level plane with full bearing to foundation supporting structures.

Roofing and Siding Panels:

General:

Install roof panels in such a manner to permit drainage to eaves of building, with panel ends square to eave.

Arrange and nest sidelap joints away from prevailing winds when possible.

Apply panels and associated items for neat and weathertight enclosure.

Avoid "panel creep" or application not true to grid lines.

Protect factory finishes from mechanical damage or abrasions.

Install approved type closures to exclude weather.

Flash and seal roof panels at eave, gable and perimeter of all openings through roof and elsewhere as required or shown on drawings.

Remove all fastener or cutting shavings from roof as erection is completed.

Accessories: Install gutters, downspouts, flashings, trim, and other and sheet metal items in accordance with manufacturer's recommendations for positive attachment to building and provide a weathertight installation.

3.02 PAINTING

Touch-up all abrasions, scratches, field welds or other damages in shop-primed or factory-finished painted surfaces consistent with shop primer or factory-finished painting.

Notify owner in writing of anticipated problems using specified coatings with substrates primed by others.

All finish coats by others should be solvent base or approved by Manufacturer.

Protect galvanized structural items and similar items in place and not to be finish-painted.

3.03 TOLERANCES

All framing members shall be erected plumb, level or aligned not to exceed a deviation 1:300.

4.0 MANUFACTURER'S REQUIRED SYSTEMS CREDENTIALS

Metal Building Manufacturers Association Member

American Institute of Steel Construction Associate Member

Category MB, Certification of fabrication and/or design for all manufacturing facilities

Registered Professional Engineers Registered in all 50 States

BUILDING CODE INFORMATION

Building Code	: SBC 97	Wind Category	: Inland
Exposure	: Exposure C	Snow Exposure	: Sheltered
Seismic Zone	: N/A	Thermal Factor	: N/A
Accelerated Zone	: N/A	Miles to Coast	: N/A
Velocity Zone	: N/A	Live Load	: 20.00
Aa Coefficient	: 0.250	Wind Load	: N/A
Av Coefficient	: 0.250	Wind MPH	: 90.00
Frame Reduction	: Yes	Ground/Roof Snow:	10.00 / 8.61
Occupancy Category	: Normal	Collateral Loads:	Yes
Ceiling Load	: 2.00	Sprinkler Load	: 0.00
Plaster Ceiling	: No	Other Load	: 0.00

BUILDING DATA

Width	: 14'-0	Ridge Distance from SWA	: 14'-0
Length	: 38'-0	Ridge Distance from SWC	: 0'-0
Eave Height SWA	: 10'-0	Roof Slope on SWA	: 3.0000/12
Eave Height SWC	: 12'-0	Roof Slope on SWC	: 0.0000/12
Girt Type SWA	: 1" Outset	Girt Depth SWA	: 8.5
Girt Type SWC	: 1" Outset	Girt Depth SWC	: 8.5
Girt Bracing	: Sag Angles	Purlin Bracing	: Sag Angles
Frame Type	: Single Slope	Purlin Depth	: 8.5
Multiple Frames	: No	Lean to on SWA	: No
Crane	: No	Lean to on SWC	: No
Bay Spacing	: 1 Bays (EWB to EWD 38'-0		

ENDWALL B

Type	: Non-Exp Frame	Girt Placement	: 1" Outset
Spacing Type	: Open	Girt Depth	: 8.5
Opening Type	: Wind	Gable Flash	: Yes
Column Spacing	: 1 Bays (SWC to SWA) 14'-0		

ENDWALL D

Type	: Non-Exp Frame	Girt Placement	: 1" Outset
Spacing Type	: Open	Girt Depth	: 8.5
Opening Type	: Wind	Gable Flash	: Yes
Column Spacing	: 1 Bays (SWA to SWC)14'-0		

FRAME LINES - 2

SSB Frame Line(s): 1 - 2
Sidewall C Column : Straight Sidewall A Column : Straight
Max Column Depth SWC : 60.00 Max Column Depth SWA : 60.00
Max Rafter Depth SWC : 60.00 Max Rafter Depth SWA : 60.00

DEFLECTIONS

Roof Purlins		Roof Rafters	
Live Load	: L/240	Live Load	: L/240
Snow Load	: L/240	Snow Load	: L/240
Wind Load	: L/240	Wind Load	: L/240
Total Gravity	: L/240	Total Gravity	: L/240
Total Uplift	: L/240	Total Uplift	: L/240

Wall		Frame Sidesway	
Girts	: L/ 90	Total Gravity	: H/ 90
Endwall Columns	: L/ 90	Total Lateral	: H/ 50

BRACING MAIN BUILDING

SWC : Portal Frame @ Bay(s) 1 EWD to EWB
ROOF : Rod @ Bay(s) 1 EWB to EWD
SWA : Portal Frame @ Bay(s) 1 EWB to EWD
EWB : Diaphragm Action
EWD : Diaphragm Action

USER SPECIFIED GIRT SPACINGS

Main SWA: System Standard
Main SWC: System Standard
Main EWB: System Standard
Main EWD: System Standard

ROOF PANEL (357 square feet)

Type	: StarASR	Profile	: Pencil-Rib
Width	: 14"	Struct Screws	: 1-1/4 Self-Drill
Gage	: 24	Stitch Screws	: 7/8 Self-Drill
Finish	: Evergreen*	Coat. Guarantee	: None
UL Rating	: UL90	Panel Clip	: 1-3/8" Floating
UL Letter	: No	Extended Panel	: No

WALL PANEL (0 square feet)

Type	: Dura-Rib	Struct Screws	: 1-1/4 Self-Drill
Gage	: 26	Stitch Screws	: 7/8 Self-Drill
Finish	: Shell White	Coat. Guarantee	: StarGuard

BASE CONDITION

Framing	: Angle	Flashing Type	: NB3
Closure	: Foam Plugs	Flashing Finsh	: Sandstone*

FLASHING FINISHES

Corner	: Sandstone*	Gable	: Regal White*
Eave	: Regal White*	All Other	: Sandstone*

DRAWINGS	Type	Quantity	Sealed	Certification
Erection Drawings	Final	3	3	Engineering Seal
Anchor Bolt		3	3	Engineering Seal
Letter of Certification with Calculations		3	3	Engineering Seal
State Licensed Engineering Seal AR				
Mail Drawings	Rolled			

DATASHEETS

Adjacent Structures	: No	Mezzanine	: No
Walls By Others	: No	Crane	: No

(1) 38'-0 Full Height Open Area Column Stability by Star
Framing Removed for Wind with Eave Flash Only
Bldg: Main, Wall: A, Bay: 1, Dist. Left: 0'-0, Dist. Floor: 0'-0

(1) 38'-0 Full Height Open Area Column Stability by Star
Framing Removed for Wind with Eave Flash Only
Bldg: Main, Wall: C, Bay: 1, Dist. Left: 0'-0, Dist. Floor: 0'-0

(2) 10'-0 of Classic Green* 26 ga. 4 x 5 downspouts

(1) 38'-0 of Evergreen* StarASR Eave gutter

Note: Building code selected requires design wind speed to conform with 3-second gust wind provisions. Please consult building code for information.

Note: StarASR panel and accessories are F.O.B. from Clinton, Illinois 61727

Note: The flat area between the seams may have ribs or striations formed into the panel to minimize the effect of oil-canning in the panel sheet. The striations consist of a series of slight offsets formed in the panel flat. The effect of the striations is to reduce the appearance of oil canning. Oil canning is inherent in metal products and is not cause for rejection.

Note: StarASR panel is priced as 24 gauge, smooth (Non-embossed) material. Roof perimeter trim will be available only in 26 gauge, StarASR standard colors.

Note: StarASR seamer rental and freight is included for use up to one week. Any seamer usage exceeding one week will be billed at a rate of $170 / week.

Note: Eave Struts/Endrafters are not designed to sustain transverse wind or seismic loading from the masonry/other construction.

Note: Unless prior agreement is reached with Star Building Systems, any in-plant inspections required by the Building Owner will be at the Building Owner's expense.

Note: Communication to Star Building Systems with the need to hold to any preliminary design information provided by SBS is the responsibility of the builder. Star Building Systems will not be liable for any changes in final design if the builder does not communicate to Star Building Systems

Note: Standard Star Building System's Specifications, including welding standards and specifications, are applicable unless specifically described otherwise on this document. If plans and/or specifications and/or Owner's Purchase Order accompanies this document, and there is deviation from Star standard specifications, that deviation is not applicable unless referenced on this document. The words "See Attached" do not fulfill this reference requirement. Any deviation from standard must be listed on this document or in Non-Standard-Conditions.