Braced Single Post
Carport Guide Specifications

PART-1 GENERAL

1.1 SCOPE

These specifications are for the design, supply and erection of Carport structures. The design, supply and erection of these carports are to be from a single source. Carports shall be designed, supplied and erected in accordance with these specification and associated drawings.

1.2 RELATED WORK

As outlined in the request for bid.

1.3 REFERENCES

1.3.1 The design of the carports shall be in accordance with all local building codes as adopted by the municipality having jurisdiction over the project.

1.3.2 All light gauge cold formed structural member and panels shall be designed in accordance with the latest version, with addendums, of the AISI "Specification for the design of Cold-Formed Steel Structural Members".

1.3.2.1 Welding of the light gauge cold-formed structural members shall be in accordance with the latest version of the "Structural Welding Code – Sheet Steel" (ANSI/AWS D1.3)

1.3.3 All structural steel sections shall be designed in accordance with the latest version, with addendums, of the AISC "Specifications for the Design, Fabrication and Erection of the Structural Steel for Buildings".

1.4 SYSTEM DESCRIPTION

The carport system shall be designed, supplied and installed by a single entity that has been in the business of supplying carports for at least five years. The same entity shall be responsible for the engineering evaluation of the remaining carport structure (if any).

1.5 QUALITY ASSURANCE

1.5.1 All steel framing fabrication shall be done by a approved fabricator, certified, by an independent agency, for the type of fabrication required. Certification shall be as required by the local municipality.

1.5.2 Welders holding a valid certification for the type of welding required shall perform all steel welding. Certification shall be as required by the local municipality.

1.6 SUBMITTALS

Submittal shall include the following:

- Carport Drawings (stamped by an Engineer licensed in California)
- Carport Structural Calculations (stamped by an Engineer licensed in California)
- Standard Colors
- Existing Structure Evaluation Letter (as required)

1.7 WARRANTY

Carports shall be warranted for a period of not less than one year from the date of substantial completion. The warranty shall be to repair or replace any defect in workmanship and or materials.

PART-2 PRODUCTS

2.1 ACCEPTABLE PRODUCT

2.1.1 The Carport style/design shall be as follows:

"BRACED SINGLE POST" Carport Standard, by Baja Construction or equal .

2.1.2 The Carport shall be the size as indicated on the site plan as supplied by the owner.

Note: Depth of carport shall be as measured from front edge of carport roof to back edge of carport roof. Width of car space shall be measured from centerline of column to centerline of column (or center of bay).

2.2 ACCEPTABLE MANUFACTURERS

The following are acceptable "designers, suppliers and erectors" for the carports indicated in these specifications:

Baja Construction Co., Inc.
223 Foster Street
Martinez, CA 94553
(800) 366-9600

2.3 MATERIALS

2.3.1 Materials shall conform to the minimum requirements of the standard noted below:

2.3.1.1 Steel Roof Panel – Shall be HR-36, as manufactured by AEP Span or equal from Zincalume coated steel conforming to ASTM A792, ASTM A653 or ASTM A611; with a minimum yield strength of 80 ksi, or equal. Roof Panels to be Factory Pre-Painted.

2.3.1.2 Light Gauge Steel Beams and Columns – Shall conform to ASTM A653 or A611 with a minimum yield strength of 55 ksi.

2.3.1.3 Structural Steel Members – Shall conform to ASTM A36 with a minimum yield strength of 36 ksi, or equal.

2.3.1.4 Concrete shall be done in accordance with the latest edition of ACI 318 "Specifications for Structural Concrete for Buildings". F'c shall be 2500 psi at 28 days. Reinforcing shall be new billet steel conforming to ASTM A615, grade 40.

PART-3 EXECUTION

3.1 INSPECTION

Carport installer shall coordinate site general and special inspections with the contractor/owner. Owner shall be responsible for all costs associated with these inspections.

3.2 INSTALLATION

The same company that produced the design and supplied material for the carport shall do installation of the carports. Location of the carports shall be defined by the site plan, as supplied by the Owner.

3.3 TOLERANCES

Standard industry acceptable tolerances shall be adhered to in the installation of the carports.

3.4 SUBMITTALS

Contractor shall be responsible for the obtaining of permits.

Double Post
Carport Guide Specifications

PART-1 GENERAL

1.1 SCOPE

These specifications are for the design, supply and erection of Carport structures. The design, supply and erection of these carports are to be from a single source. Carports shall be designed, supplied and erected in accordance with these specification and associated drawings.

1.2 RELATED WORK

As outlined in the request for bid.

1.3 REFERENCES

1.3.1 The design of the carports shall be in accordance with all local building codes as adopted by the municipality having jurisdiction over the project.
1.3.2 All light gauge cold formed structural member and panels shall be designed in accordance with the latest version, with addendums, of the AISI "Specification for the design of Cold-Formed Steel Structural Members".
1.3.2.1 Welding of the light gauge cold-formed structural members shall be in accordance with the latest version of the "Structural Welding Code – Sheet Steel" (ANSI/AWS D1.3)
1.3.3 All structural steel sections shall be designed in accordance with the latest version, with addendums, of the AISC "Specifications for the Design, Fabrication and Erection of the Structural Steel for Buildings".

1.4 SYSTEM DESCRIPTION

The carport system shall be designed, supplied and installed by a single entity that has been in the business of supplying carports for at least five years. The same entity shall be responsible for the engineering evaluation of the remaining carport structure (if any).

1.5 QUALITY ASSURANCE

1.5.1 All steel framing fabrication shall be done by a approved fabricator, certified, by an independent agency, for the type of fabrication required. Certification shall be as required by the local municipality.

1.5.2 Welders holding a valid certification for the type of welding required shall perform all steel welding. Certification shall be as required by the local municipality.

1.6 SUBMITTALS

Submittal shall include the following:

- Carport Drawings
- Carport Structural Calculations
- Standard Colors
- Existing Structure Evaluation Letter (as required)

1.7 WARRANTY

Carports shall be warranted for a period of not less than one year from the date of substantial completion. The warranty shall be to repair or replace any defect in workmanship and or materials.

PART-2 PRODUCTS

2.1 ACCEPTABLE PRODUCT

2.1.1 The Carport style/design shall be as follows:

"DOUBLE POST" Carport Standard, by Baja Construction or equal .

2.1.2 The Carport shall be the size as indicated on the site plan as supplied by the owner.

Note: Depth of carport shall be as measured from front edge of carport roof to back edge of carport roof. Width of car space shall be measured from centerline of column to centerline of column (or center of bay).

2.2 ACCEPTABLE MANUFACTURERS

The following are acceptable "designers, suppliers and erectors" for the carports indicated in these specifications:

Baja Construction Co., Inc.
223 Foster Street
Martinez, CA 94553
(800) 366-9600

2.3 MATERIALS

2.3.1 Materials shall conform to the minimum requirements of the standard noted below:

2.3.1.1 Steel Roof Panel – Shall be HR-36, as manufactured by AEP Span or equal from Zincalume coated steel conforming to ASTM A792, ASTM A653 or ASTM A611, with a minimum yield strength of 80 ksi, or equal. Roof Panels to be Factory Pre-Painted.

2.3.1.2 Light Gauge Steel Beams and Columns – Shall conform to ASTM A653 or A611 with a minimum yield strength of 55 ksi.

2.3.1.3 Structural Steel Members – Shall conform to ASTM A36 with a minimum yield strength of 36 ksi, or equal.

2.3.1.4 Concrete shall be done in accordance with the latest edition of ACI 318 "Specifications for Structural Concrete for Buildings". F'c shall be 2500 psi at 28 days. Reinforcing shall be new billet steel conforming to ASTM A615, grade 40.

PART-3 EXECUTION

3.1 INSPECTION

Carport installer shall coordinate site general and special inspections with the contractor/owner. Owner shall be responsible for all costs associated with these inspections.

3.2 INSTALLATION

The same company that produced the design and supplied material for the carport shall do installation of the carports. Location of the carports shall be defined by the site plan, as supplied by the Owner.

3.3 TOLERANCES

Standard industry acceptable tolerances shall be adhered to in the installation of the carports.

3.4 SUBMITTALS

Contractor shall be responsible for the obtaining of permits.

Gable
Carport Guide Specifications

PART-1 GENERAL

1.1 SCOPE

These specifications are for the design, supply and erection of Carport structures. The design, supply and erection of these carports are to be from a single source. Carports shall be designed, supplied and erected in accordance with these specification and associated drawings.

1.2 RELATED WORK

As outlined in the request for bid.

1.3 REFERENCES

1.3.1 The design of the carports shall be in accordance with all local building codes as adopted by the municipality having jurisdiction over the project.
1.3.2 All light gauge cold formed structural member and panels shall be designed in accordance with the latest version, with addendums, of the AISI "Specification for the design of Cold-Formed Steel Structural Members".
1.3.2.1 Welding of the light gauge cold-formed structural members shall be in accordance with the latest version of the "Structural Welding Code – Sheet Steel" (ANSI/AWS D1.3)
1.3.3 All structural steel sections shall be designed in accordance with the latest version, with addendums, of the AISC "Specifications for the Design, Fabrication and Erection of the Structural Steel for Buildings".

1.4 SYSTEM DESCRIPTION

The carport system shall be designed, supplied and installed by a single entity that has been in the business of supplying carports for at least five years. The same entity shall be responsible for the engineering evaluation of the remaining carport structure (if any).

1.5 QUALITY ASSURANCE

1.5.1 All steel framing fabrication shall be done by a approved fabricator, certified, by an independent agency, for the type of fabrication required. Certification shall be as required by the local municipality.

1.5.2 Welders holding a valid certification for the type of welding required shall perform all steel welding. Certification shall be as required by the local municipality.

1.6 SUBMITTALS

Submittal shall include the following:

- Carport Drawings (stamped by an Engineer licensed in Nevada)
- Carport Structural Calculations (stamped by an Engineer licensed in Nevada)
- Standard Colors
- Existing Structure Evaluation Letter (as required)

1.7 WARRANTY

Carports shall be warranted for a period of not less than one year from the date of substantial completion. The warranty shall be to repair or replace any defect in workmanship and or materials.

PART-2 PRODUCTS

2.1 ACCEPTABLE PRODUCT

2.1.1 The Carport style/design shall be as follows:

"T-POST METAL ROOF GABLE" Carport Standard, by Baja Construction or equal . Single post at every other space with or without cantilevered ends (as required to match building size). Slope to be 4:12.

2.1.2 The Carport shall be the size as indicated on the site plan as supplied by the owner.

Note: Depth of carport shall be as measured from front edge of carport roof to back edge of carport roof. Width of car space shall be measured from centerline of column to centerline of column (or center of bay).

2.2 ACCEPTABLE MANUFACTURERS

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Martinez, CA 94553

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2.3 MATERIALS

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2.3.1.1 Steel Roof Panel – Shall be HR-36, as manufactured by AEP Span or equal from Zincalume coated steel conforming to ASTM A792, ASTM A653 or ASTM A611, with a minimum yield strength of 80 ksi, or equal. Roof Panels to be Factory Pre-Painted.

2.3.1.2 Light Gauge Steel Purlins, Beams and Columns – Shall conform to ASTM A653 or A611 with a minimum yield strength of 55 ksi.

2.3.1.3 Structural Steel Members – Shall conform to ASTM A36 with a minimum yield strength of 36 ksi, or equal.

2.3.1.4 Concrete shall be done in accordance with the latest edition of ACI 318 "Specifications for Structural Concrete for Buildings". F'c shall be 2500 psi at 28 days. Reinforcing shall be new billet steel conforming to ASTM A615, grade 40.

PART-3 EXECUTION

3.1 INSPECTION

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3.2 INSTALLATION

The same company that produced the design and supplied material for the carport shall do installation of the carports. Location of the carports shall be defined by the site plan, as supplied by the Owner.

3.3 TOLERANCES

Standard industry acceptable tolerances shall be adhered to in the installation of the carports.

3.4 SUBMITTALS

Contractor shall be responsible for the obtaining of permits.