

AAF GUIDE TO ALUMINUM CONSTRUCTION IN HIGH WIND AREAS

Jobsite Information Worksheet:

Site Address: _____

Existing Host Structure is Constructed Using:

Frame CMU Brick Other (Provide Description) _____

New Structure is Attaching to:

Eave Perimeter Wall Other (Provide Description) _____

Eave Projection (if applicable) and Height of Attachment:

Eave Projection _____ (in) Height of Attachment _____ (ft)

Foundation Type:

4" nominal Slab Monolithic Footing 8" CMU Wall Raised Slab

Ribbon Footing Engineered Lumber Deck

Other (Provide Description) _____

AAF GUIDE TO ALUMINUM CONSTRUCTION IN HIGH WIND AREAS

Chapter 1/Screen Enclosure Checklist

AAF Guide as Referenced by:
F.B.C. 2002.4.1 &
F.R.C. R301.2.1.1.1

Homeowner: _____ Designer: _____

Site Address: _____

Builder: _____ Date: _____

Wind Zone: _____ mph
Exposure: B C

Overall Dimensions: Length: _____ (ft) Width _____ (ft)

Structure is attaching to: Host Wall Eave

Height @ Attachment: _____ (ft) Projection of Eave: _____ (ft)

Wall Height: _____ (ft) Overall Height _____ (ft)

Roof Style/Configuration: _____ (Beam Design may Vary)

Beam Design (Check Appropriate) : Flat Mansard Gable Shed (Table 101)

A) Select Primary Screen Roof Members (Table _____, Page 1- _____)

Beam Span: _____ (ft) Spaced @ _____ (ft): Select: 2" X _____

B) Select Primary Screen Wall Members (Columns Supporting Beams): (Table 102 _____, p. 1- _____)

Post/Column Span: _____ (ft) (Spacing per Item A); Select" 2" X _____

C) Select Non-Bearing Screen Wall Members : (Table 102 _____, p. 1- _____)

Post/Column Span: _____ (ft) Spaced @ _____ (ft); Select: 2" X _____

D) Foundation & Post Connection (Pages 1-19 to 1-21) C1(a) C1 C2

Foundation Type/ Detail Reference: F _____

E) Girts (Wall Horizontals): Table 104 _____ Page 1-77

1) Load Width/Spacing: _____; Span: _____; Select: _____

2) Load Width/Spacing: _____; Span: _____; Select: _____

F) Mitered Beam Splice Fastening: (Table 109, p. 1-32) Splice Plate Thickness: _____ (in)

#14 per end per side _____ Totals #14 SMS per Splice _____

G) Purlins: Flat Sloping (3ft) Sloping (4ft) (Table 103 _____, p.1- _____)

Purlins (Flat) Span: _____ (Ft) Spaced @ _____ (ft); Select 2" X _____

Purlins (Sloping) Span: _____ (Ft) Spaced @ _____ (ft); Select 2" X _____

F) Wall Bracing (Resisting Lateral Wind Pressures; USING: Cables ; or, K-Bracing

Side (Return) wall effective area (cables only): _____ sqft ; Cable Pairs: _____ Table 113

K-Bracing Minimum Length for (Longitudinal) wall ends per Table 107: _____

Bays of K-Bracing Required per end (round up Table 107 value / post spacing) _____

Required K-Brace Diagonal (Table 106): _____ w/ _____ #14 SMS / end per Table 108

AAF GUIDE TO ALUMINUM CONSTRUCTION IN HIGH WIND AREAS

Chapter 2/Screen Room

AAF Guide as Referenced by:
F.B.C. 2002.4.1 &
F.R.C. R301.2.1.1.1

Homeowner: _____ Designer: _____

Site Address: _____

Builder: _____ Date: _____

Wind Zone: _____ mph
Exposure: B C

Overall Dimensions: Length: _____ (ft) Width _____ (ft)

Structure is attaching to: Host Wall Eave

Height @ Attachment: _____ (ft) Projection of Eave: _____ (ft)

Wall Height: _____ (ft) Overall Height _____ (ft)

Room Shape: ____ Type 1 ____ Type 2 (per p. 2-1)

A) [Clear] Span of Roof Panels: _____ (ft) Florida Product Approval # _____

Per Table 201 _____ page 2- _____

Using: _____ 3" Riser Panel Roof X 12" Wide by _____ (in) Thickness

_____ " (Depth) Composite Panel X _____ (in) Skin Thickness & _____ # Density Core

B) Using Intermediate Roof Support Beam: Select from Table 202, or, Table 208

Load Width (Spacing) on Beam: _____ (ft) Span: _____ (ft) Selection: _____

C) Edge Beam: Load width (1/2 Span + Overhang): _____ (ft) (Table 202, or, 208)

Allowable Span (Tabular Value): _____ (ft) Selection: _____

D) Posts/Primary Screen Wall Members: Post Spacing: _____ (ft) (Table 203)

Post Span/Wall Height: _____ (ft) Selection: _____

Non-Bearing Wall 1: Spacing _____ (ft) Span _____ (ft) Selection _____

Non-Bearing Wall 2: Spacing _____ (ft) Span _____ (ft) Selection _____

E) Foundation & Post Connections: (Tables 205 & 206 p. 2-55) Load Width Per Item "C"

Foundation Type/Detail Reference Page _____ / _____ & Footing Dimensions : _____ X _____

Allowable Post Spacing for Column Connection C1 Per (Table 207-I and 207-II): _____

Load Condition 2 Detail C2 Required when Table 207 Tabular Values are Exceeded

Miscellaneous Details Used (stemwall, block kneewall etc.) From page _____

F) Wall Bracing (Resisting Lateral Wind Pressures) USING: Cables if required

Side (Return) wall effective area : _____ sqft ; Cable Pairs: _____ (Per Table 211 p. 2-54)

AAF GUIDE TO ALUMINUM CONSTRUCTION IN HIGH WIND AREAS

Chapter 3/Screen Walls & Balconies

AAF Guide as Referenced by:
F.B.C. 2002.4.1 &
F.R.C. R301.2.1.1.1

Homeowner: _____ Designer: _____

Site Address: _____

Builder: _____ Date: _____

Wind Zone: _____ mph
Exposure: B C

Overall Dimensions: Length: _____ (ft) Width _____ (ft)

Structure is attaching to: _____

Height @ Attachment: _____ (ft) Attaching to: Concrete__ Lumber__ Other _____

Overall Height _____ (ft)

Walls Supporting Guard Rail

A) Select Girt : (Table 301__page____)

Load Width: _____ Span _____ Select _____

B) Select Column: (Table 302__ page____)

Load Width: _____ Span _____ Select _____

Walls Not Supporting Roof or Guard Rail

A) Select Girt : (Table 304__page____)

Load Width: _____ Span _____ Select _____

B) Select Column: (Table 304__page____)

Load Width: _____ Span _____ Select _____

AAF GUIDE TO ALUMINUM CONSTRUCTION IN HIGH WIND AREAS

Chapter 4/ Glass Room

AAF Guide as Referenced by:
F.B.C. 2002.4.1 &
F.R.C. R301.2.1.1.1

Homeowner: _____ Designer: _____

Site Address: _____

Builder: _____ Date: _____

Wind Zone: _____ mph
Exposure: B C

Overall Dimensions: Length: _____ (ft) Width _____ (ft)

Structure is attaching to: Host Wall Eave

Height @ Attachment: _____ (ft) Projection of Eave: _____ (ft)

Wall Height: _____ (ft) Overall Height _____ (ft)

A) [Clear] Span of Roof Panels: _____ (ft) Florida Product Approval # _____

Using: _____ 3" Riser Panel Roof X 12" Wide by _____ (in) Thickness
_____ " (Depth) Composite Panel X _____ (in) Skin Thickness & _____ # Density Core

B) Using Intermediate Roof Support Beam/Carrier Beam: Select from Table 402, or, Table 405

Load Width (Spacing) on Beam: _____ (ft) Span: _____ (ft) Selection: _____

C) Edge Beam: Load width (1/2 Span + Overhang): _____ (ft) (Table 402, or, 405)

Allowable Span (Tabular Value): _____ (ft) Selection: _____

D) Posts/Primary Screen Wall Members: Post Spacing: _____ (ft) (Table 403)

Post Span/Wall Height: _____ (ft) Selection: _____

Non-Bearing Wall 1: Spacing _____ (ft) Span _____ (ft) Selection _____

Non-Bearing Wall 2: Spacing _____ (ft) Span _____ (ft) Selection _____

E) Foundation & Post Connections: (Tables 406 & 407)

Foundation Type/Detail Reference Page _____ & Footing Dimensions : _____ X _____

Allowable Post Spacing for Column Connection C1 Per (Table 207-I and 207-II): _____

Miscellaneous Details Used (stemwall, block kneewall etc.) From page _____

Wall Designation	Projection (ft)	Area Sq Ft	Cable Pairs

AAF GUIDE TO ALUMINUM CONSTRUCTION IN HIGH WIND AREAS

Chapter 5/Attached Carports & Patio Covers

AAF Guide as Referenced by:
F.B.C. 2002.4.1 &
F.R.C. R301.2.1.1.1

Homeowner: _____ Designer: _____

Site Address: _____

Builder: _____ Date: _____

Wind Zone: _____ mph
Exposure: B C

Overall Dimensions: Length: _____ (ft) Width _____ (ft)

Structure is attaching to: Host Wall Eave

Height @ Attachment: _____ (ft) Projection of Eave: _____ (ft)

Wall Height: _____ (ft) Overall Height _____ (ft)

Room Shape: ____ Type 1 ____ Type 2 (per p. 5-1)

A) [Clear] Span of Roof Panels: _____ (ft) Florida Product Approval # _____

Per Table 501 _____ page 5- _____

Using: ____ 3" Riser Panel Roof X 12" Wide by _____ (in) Thickness

____" (Depth) Composite Panel X _____ (in) Skin Thickness & _____ # Density Core

B) Using Intermediate Roof Support Beam: Select from Table 502

Load Width (Spacing) on Beam: _____ (ft) Span: _____ (ft) Selection: _____

Load Index : _____ (A Thru G)

C) Edge Beam: Load width (1/2 Span + Overhang): _____ (ft) (Table 502)

Post Spacing/Beam Span : _____ (ft) Selection: _____ Load Index : _____ (A Thru G)

Beam to Post Connection: ____ # of Bolts ____ Diameter (Table 503)

Beam to Host Wall : ____ # of Fasteners ____ Diameter ____ Embedment (Table 507)

D) Posts: Beam Size/Load Index : _____ (Table 502)

Post Span/Wall Height: _____ (ft) Selection: _____ (Tables 503 & 504)

E) Foundation & Post Connections: (Tables 504 thru 506)

Foundation Type: ____ Monolithic ____ Perimeter ____ Isolated

Reference Detail on Page: _____ Footing Dimensions : ____ X ____ X ____

Foundation Connection (Table 504): _____ Angle _____ # of Bolts

____ Bolt Diameter ____ # Concrete Anchors ____ Diameter ____ Embedment

(If Post is embedded in concrete see detail on page 5-9)

AAF GUIDE TO ALUMINUM CONSTRUCTION IN HIGH WIND AREAS

Chapter 6/Carports & Patio Covers (Open)

AAF Guide as Referenced by:
F.B.C. 2002.4.1 &
F.R.C. R301.2.1.1.1

Homeowner: _____ Designer: _____

Site Address: _____

Builder: _____ Date: _____

Wind Zone: _____ mph
Exposure: B C

Overall Dimensions: Length: _____ (ft) Width _____ (ft)

Wall Height: _____ (ft) Overall Height _____ (ft)

A) [Clear] Span of Roof Panels: _____ (ft) Florida Product Approval # _____

Using: _____ 3" Riser Panel Roof X 12" Wide by _____ (in) Thickness

_____ " (Depth) Composite Panel X _____ (in) Skin Thickness & _____ # Density Core

B) Using Intermediate Roof Support Beam: Select from Table 602

Load Width (Spacing) on Beam: _____ (ft) Span: _____ (ft) Selection: _____

Load Index : _____ (A Thru G)

Beam to Post Connection: _____ # of Bolts _____ Diameter (Table 603)

C) Edge Beam: Load width ($\frac{1}{2}$ Span + Overhang): _____ (ft) (Table 602)

Post Spacing/Beam Span : _____ (ft) Selection: _____ Load Index : _____ (A Thru G)

Beam to Post Connection: _____ # of Bolts _____ Diameter (Table 603)

D) Posts: _____ X _____ Module Size (Table 608)

Post Span/Wall Height: _____ (ft) Selection: _____ (Tables 608)

Post Span/Wall Height: _____ (ft) Selection: _____ (Tables 608)

E) Foundation & Post Connections: (Tables 604 thru 606)

(Intermediate Beam) Foundation Type: _____ Monolithic _____ Perimeter _____ Isolated

Reference Detail on Page: _____ Footing Dimensions : _____ X _____

(Edge Beam) Foundation Type: _____ Monolithic _____ Perimeter _____ Isolated

Reference Detail on Page: _____ Footing Dimensions : _____ X _____