## *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: per page_____

☐ 8” CMU Wall: per page_____

☐ Raised Slab: per page _____

☐ Ribbon Footing: per page _____

☐ Engineered Lumber Deck: See Plans or Permit Number _____

☐ 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. B 2002.4.1 &
F.B.C. R 301.2.1.1.1

Homeowner:_____Designer:_____

Site Address:_____ Ultimate Wind Speed_____mph

Builder:_____Date:_____ Nominal Wind Speed_____mph

Exposure: ☐ B ☐ C ☐ D

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) Rise:_____(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 _____

Screen Eave Connection Per Detail on p. 1-27

**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) 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 _____

**H)** 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:_____(ft)

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. B 2002.4.1 &
F.B.C. R 301.2.1.1.1

Homeowner:_____Designer:_____

Site Address:_____ Ultimate Wind Speed_____mph

Builder:_____Date:_____ Nominal Wind Speed_____mph

Overall Dimensions: Length:_____(ft) Width_____(ft) Exposure: ☐ B ☐ C ☐ D

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 # _____or

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:_____

Support Column for Intermediate Beam per Table 212 Selection_____

**C)** Edge Beam: Load width (½ 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 ) 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 )

# *AAF GUIDE TO ALUMINUM CONSTRUCTION IN HIGH WIND AREAS*

Chapter 3/Screen Walls & Balconies

AAF Guide as Referenced by:
F.B.C. B 2002.4.1 &
F.B.C. R 301.2.1.1.1

Homeowner:_____Designer:_____

Site Address:_____ Ultimate Wind Speed_____mph

Builder:_____Date:_____ Nominal Wind Speed_____mph

Overall Dimensions: Length:_____(ft) Width_____(ft) Exposure: ☐ B ☐ C ☐ D

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 302__page____)

Load Width:_____Span_____Select_____

**B)** Select Column: (Table 302__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. B 2002.4.1 &
F.B.C. R 301.2.1.1.1

Homeowner:_____Designer:_____

Site Address:_____ Ultimate Wind Speed_____mph

Builder:_____Date:_____ Nominal Wind Speed_____mph

Overall Dimensions: Length:_____(ft) Width_____(ft) Exposure: ☐ B ☐ C ☐ D

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 # _____or

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 (½ 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 or Shear Wall |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

## *AAF GUIDE TO ALUMINUM CONSTRUCTION IN HIGH WIND AREAS*

Chapter 5/Attached Carports & Patio Covers

AAF Guide as Referenced by:
F.B.C. B 2002.4.1 &
F.B.C. R 301.2.1.1.1

Homeowner:_____Designer:_____

Site Address:_____ Ultimate Wind Speed_____mph

Builder:_____Date:_____ Nominal Wind Speed_____mph

Exposure: ☐ B ☐ C ☐ D

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 # _____or

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 (½ 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. B 2002.4.1 &
F.B.C. R 301.2.1.1.1

Homeowner:_____Designer:_____

Site Address:_____ Ultimate Wind Speed_____mph

Builder:_____Date:_____ Nominal Wind Speed_____mph

Overall Dimensions: Length:_____(ft) Width_____(ft) Exposure: ☐ B ☐ C ☐ D

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

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

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 (½ 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_____