ASHE INDUSTRIES, INC.

Applicable Code and Design Element Summary Sheet

(Date_____)

(Building Department_____)
(Building Dept Address_____)
(_____)
(_____), FL, (_____)

Re:
Project Name: **(_____)**
Project Address: **(_____)**

To: Plan Review:

(Contractor Name , Lic #_____) is a contractor who has completed and is current on the training required to use the Suncoast Architecture & Engineering Master Design Manuals for Screened Enclosures by Clark H. Scherer, Jr., P.E. and is authorized to use this manual. We have reviewed the attached documents prepared by **(Contractor Name_____)** and have found them in conformance with the current edition of the Suncoast Architecture & Engineering Master Design Manual for Screened Enclosures. The permit documents attached have been completed in accordance with Florida Statute 489.113, Paragraph 9 (b) for preparation of drawings and specifications from a Master Design Manual.

The following is the basis of our review.

Applicable Codes, Regulations, and Standards

1. The 2007 Florida Building Code with 2009 Supplements, specifically Chapter 16 Structural Design, Chapter 20 Aluminum, and Chapter 23 Wood.
2. AA ASM 35 and Specifications for Aluminum Structures, Part 1-A and 1-B of the Aluminum Design Manual prepared by The Aluminum Association, Inc. Washington, D.C., 2005 Edition
3. ASCE 7-05.

Wind Loads

1. Building Occupancy Category, Paragraph 1604.5 and Table 1604.5: Category 1.
2. Basic Wind Speed, Table 1609 State of Florida Debris Region & Basic Wind Speed, Paragraph 1609.3.1 and Table 1609.3.1 Equivalent Basic Wind Speed: **(_____)**.

Exposure Category, Paragraph 1609.4.3: **Exposure (_____)**.

3. Building Category for Aluminum Structures, Paragraph 2002.6: Building Category 1.

Foundation Design

1. Footing Size and Reinforcing: Table: **Foundation (_____)**, Allowable Sidewall Span: **(_____)"**, Actual Sidewall Span: **(_____)",** Footing Size: **(_____),** Reinforcing: **(_____) ,** Detail: **(_____)**

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2. Upright to Plate to Concrete Anchors: Plate to Concrete: (_____ _____); Plate to Upright: (_____). Detail: (_____)

Allowable Spans

1. Uprights: Table: **Upright (_____),** Member Size: (_____), Allowable Tributary Load Width: (_____)", Actual Tributary Load Width: (_____), Allowable Height: (_____)", Actual Height: (_____)"
2. Beams: Table: **Beam (_____);**, Member Size: (_____), Allowable Tributary Load Width: (_____)", Actual Tributary Load Width: (_____)", Allowable Span: (_____)", Actual Span: (_____)"
3. Purlins: Table: **Minimum Sizes for Purlins and Girts**, (_____)
4. Girts, Chair Rail, Headers: Table: Girt (_____), Member Size: (_____ _____), Allowable Tributary Load Width: (_____)", Actual Tributary Load Width: (_____)", Allowable Span: (_____)", Actual Span: (_____) **at Front Wall,** (_____) **at Sidewall**
5. Eave Rail: Table: Eave Rail (_____), Member Size: (_____ _____), Allowable Tributary Load Width: (_____)", Actual Tributary Load Width: (_____)", Allowable Span: (_____)", Actual Span: (_____) **at Front Wall,** (_____) **at Sidewall**
6. Rafter or Truss Tail: Table: **Rafter Tail (_____)**, Allowable Sidewall Span: (_____)", Actual Sidewall Span: (_____)", Allowable Tributary Load Width (_____)", Actual Tributary Load Width: (_____)", Allowable Span: (_____)", Actual Span: (_____)"
7. Beam to Beam and Beam to Upright Fasteners: Sheet (_____)
8. Bracing, Front Wall: Table: **Bracing (_____),** Allowable Height: (_____)", Actual Height: (_____)", Allowable Sidewall Span: (_____)", Actual Sidewall Span: (_____), Bracing Required: (_____ _____)
9. Bracing, Side Wall: (_____)

Roof Type

1. Roof Type: (_____)
2. Primary Upright to Beam Detail: (_____)
3. Gutter Detail: (_____)

Applicable Details Attached:

1. Foundation Detail: (_____)
2. Upright to Plate to Concrete Detail: (_____)
3. Typical Screen Door Connection Detail: (_____)
4. Purlin and Chair Rail Detail: (_____)
5. Purlin or Girt to Beam or Post Detail: (_____)
6. Sloping Beam to Upright Connection with Internal Gusset Detail: (_____)9.2
7. Internal Gusset Connection Detail – Mansard Roof: Sheet (_____)
8. Extruded Gutter Brace Detail: Sheet (_____)
9. Cable Connection at Corner Detail: (_____)
10. Anchor Cab le Connection at Foundation Detail: (_____)
11. Rafter Tail Stiffening Detail: (_____)
12. (_____): (_____)

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13. (_____): (_____)
14. (_____): (_____)
15. (_____): (_____)

Specifications

The following specifications are applicable to this project:

1. Concrete shall be 2,500 psi minimum compressive strength at 28 days
    a. Concrete shall conform to ASTM C94 for the following components:
        i. Portland Cement Type 1,- ASTM C 150
        ii. Aggregates – Large Aggregate ¾" max – ASTM C 33
        iii. Air entraining +/- 1% - ASTM C 260
        iv. Water reducing agent – ASTM C 494
        v. Clean Potable water
        vi. Other admixtures not permitted
    b. Metal accessories shall conform to:
        i. Reinforcing Bars – ASTM A615, grade 60
        ii. Welded wire fabric – ASTM A185
    c. Concrete slump at discharge chute not less than 3" or more than 5". Water added after batching is not permitted.
    d. Prepare and place concrete per American Concrete Institute Manual of Standard Practice, Parts 1, 2, and 3 including hot weather recommendations.
    e. Moist cure or polyethylene curing permitted.
2. Aluminum extrusions shall be 6005 T5 Alloy and bear the die mark of Ashe Industries. Due to quality control issues, no manufacturer substitution is acceptable without the specific written, signed and sealed authorization of Suncoast Architecture & Engineering, LLC.
3. Fasteners are required to be SAE Grade 5 or better zinc plated.
4. Adhesive used in moment connections is Loctite Hysol E 120 – HP. Substitution is not permitted without the specific written, signed and sealed authorization of Suncoast Architecture & Engineering, LLC.

Please notify us at your earliest convenience if you have any questions or need additional information.

Sincerely,

Registered Architect or Professional Engineer
Suncoast Architecture & Engineering, LLC