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Project: **GUAM TSUBAKI HANDRAIL
STRUCTURAL CALCULATIONS**
Guam

Date: October, 2017

DESIGN CRITERIA

A. REFERENCES:

1. Aluminum Design Manual
2. Minimum Design Loads for Buildings and Other Structures, ASCE 7-10
3. Simpsons Catalog for Wedge Anchor

B. MATERIALS:

- | | |
|--|-------------------|
| 1. Aluminum Steel Shapes | Ftu = 22.0 ksi |
| | Fty = 16.0 ksi |
| | Fcy = 16.0 ksi |
| 2. Carbon Steel Wedge-All Anchor | Tallow = 1985 lbs |
| (1/2" ϕ x 3-1/2" Min. Depth) | Vallow = 1850 lbs |

C. LOADS:

C.1 Deadload

Structure Weight(*Selfweight*)

C.2 Liveload

Concentrated Load P = 200 lbs

Uniform Load w = 50 lbs

