

#### CODE ANALYSIS INTRODUCTION

THIS ANALYSIS IS A SUMMARY BASED ON APPLICABLE FEATURES OF THE 1991 UNIFORM BUILDING CODE, PLUS AMMENDMENTS. THE FOLLOWING INFORMATION INCLUDES REFERENCES TO, AND PORTIONS OF, THE CODE WHICH AFFECT THE DESIGN OF THIS BUILDING. THE ARTICLES, SECTIONS, PARAGRAPHS AND TABLES WHICH ARE QUOTED/ PARAPHRASED ARE NOT NECESSARILY PRESENTED IN THEIR ENTIRETY. SEE THE CODE FOR FURTHER REQUIREMENTS AND ELABORATION. THESE PLANS ARE FOR CODE REFERENCE ONLY. SEE BUILDING FLOOR PLANS, ELEVATIONS AND OTHER DRAWINGS FOR FULL INFORMATION REGARDING THE BUILDING PLANS.

HAWAI'I PREPARATORY ACADEMY IS COMPRISED OF A COLLECTION OF BUILDINGS. THE PROPOSED PROJECT IS A NEW BUILDING.

9,100 SF

+ basement

actual area 4,885 sf

#### Chapter 3 - Use of Occupancy Occupancy Type E-1 - Educational Chapter 5 - General Building Limitations Table 5-B - Allowable Height And Building Areas Use Group Educational accessory use"Assembly A-3" work stations & conference A-3 Table 3B: No fire separation required Type of Construction Type-5 Allowable Stories above Grade Allowable Story increase due to Sprinklers Allowable Story Total Actual Stories above Grade Allow able Height Acove Grade 50'-0" 25'-0" actual Allowable Height Increase due to Sprinklers Allowable Height Totals 50'-0" 25'-0" actual Table 503 - Area Limitations of Buildings Use Group

## Chapter 6 - Type of Construction

Allowable Area (max per floor)

Table 6-A - Fire Resist. Rating Requirements for Building Elements Type of Construction 1. Bearing Walls - Exterior 2. Bearing Walls - Interior 3. Non-bearing Walls - Extterior 4. Structural Frame 5. Partitions Perminent 6. Shaft Enclosures 7. Floors & Floor-Ceilings 8. Roofs & Roof-Ceilings NA 606.3 9. Exterior Doors & Windows 606.4 10. Stairway Construction

## Chapter 8 - Inteior Finishes Table 803.4 Interior Finish Requirement

Use Group Required Vertical Exit & Passageways 1 (0-25) Corridors Providing Exit Access 2 (26-75) 3 (76-200) Rooms or Enclosed Spaces

## Chapter 10 - Means of Egress

Table 10-A- Occupancy Loads Assembly A-3 15sqft/Occupant 20sqft/Occupant Classrooms 50sqft/Occupant Vocational

Office 100sqft/Occupant 300 sqft/Occupant Storage All Other 100sqft/Person

### Assembly A-3 Classrooms Vocational

Table 10-A - Requirement For 2 Means Of Egress

Offices Storage All Other

Table 10-B - Egress Width per Occupant Use Group Stairways: .3" W/O Sprinklers

All Other Egress: .2"



# **ENERGY LAB**

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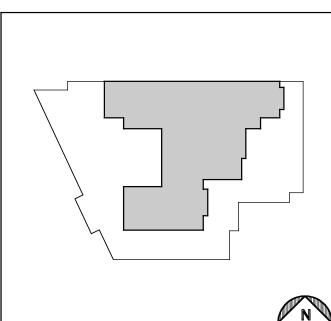
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> This work was performed by me or under my supervision and construction of this project will be under my observation (observation of construction as defined in section 16-115-2 of the rules and regulations of the Board of Professional Engineers, Architects and Surveyors of the State of Hawaii).

Duncan P. McClelland, AIA Architect License No. 13148, Expires 4/30/2010

Add. No.	Description of Revision	Date
1	Addenda #1	10/31/08



CODE PLAN

KEY PLAN

Checked by: Plot Date: 27 M		Scale:  Issue Date: 27	AS NOTED  MAR 2009
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