

5.0 ACADEMIC & RESEARCH FACILITIES ELEMENT

Projected enrollment growth and the new College of Medicine are a catalyst for growth in academic and research facilities. Because of the tendency for "lag time" in the building planning, funding and design cycles, this process must be tightened and accelerated in order to "catch up" to present needs while also preparing to meet the needs which will exist in 2020.

To ensure optimum departmental adjacencies, interdisciplinary research, and space utilization, as well conserve precious and declining reserves of buildable land – the master plan goals, objectives and policies call for the creation of a more compact "academic core" and the designation of flexible development areas for future academic facilities. (See Element 5.1A and Element 5.1B: Modesto A. Maidique Campus, Element 5.2A and Element 5.2B: Engineering Center and Element 5.3A and Element 5.3B: Biscayne Bay Campus for the location of academic & research facilities and associated college affiliations.) In response, future academic and research facilities are clustered near existing programs and facilities to strengthen departmental synergies, college identity, multi-disciplinary communities and "academic neighborhoods". Academic and research facility designations include the following: Classroom, Teaching Lab, Research Lab, Library and Study, Clinical, Special Use Academic and Multi-Purpose.

GOAL 1: Provide academic and research facilities adequate to support the academic mission, meet needs of projected student enrollment and eliminate facility deficits by the end of the planning period.

**Objective 1.1 Timing and Phasing:
By 2020, FIU will initiate planning, programming, design or construction of future academic and research facility development in the following increments by location:**

	<u>MMC & EC</u>	<u>BBC</u>
Existing:	1,348,174 GSF	255,558 GSF
Currently Underway:	378,686 GSF	126,600 GSF
2015:	496,712 GSF	109,596 GSF
2020:	900,131 GSF	42,900 GSF
Total:	3,123,703 GSF	534,654 GSF

Includes classrooms, teaching labs, study areas, and research labs. Accounts for new facilities and renovation and expansion of existing structures.

Policy 1.1.1 Apply space use standards to determine future academic building programs and to plan the adaptive reuse of existing facilities to ensure optimum utilization of academic facilities.

Policy 1.1.2 Define building and facility use priorities strictly on the basis of academic need. Specific priorities for development of future facilities, including academic facilities, are described in Capital Improvements Element Table 14.1. Additional academic facility priorities shall be established strictly on the basis of academic need.

Policy 1.1.3 Eliminate facility deficits by modifying facility programming and funding request procedures as follows:

- Submit facility requests 3-4 years prior to projected need, rather than current need, to accommodate lag time in facility planning, funding, design and construction.
- When planning funds become available, prepare detailed space and use programs to coincide with facility requests and real space needs.

Policy 1.1.4 Unanticipated academic facility development opportunities which are determined to be consistent with the academic mission and current/planned programs shall be accommodated in planned but unassigned future academic buildings. To encourage more efficient development, all new academic and research facilities should be multi-disciplinary, a minimum of six stories, and adhere to a minimum square footage of approximately one hundred thousand (100,000) square feet.

The Campus Master Plan will be amended as necessary to incorporate any new and unforeseen academic facilities.

Policy 1.1.5 Apply building design and construction criteria to encourage energy efficiency including cost containment guidelines, active and passive solar design features and life cycle (capital and operating) cost analysis.

Policy 1.1.6 Apply building design and construction criteria that supports the Research I status of the University, addressing fully all the special needs associated with research and scientific buildings.

Objective 1.2 **Locations:**
Locate future academic and research facilities to create and reinforce academic neighborhoods, college identity and to cluster related programs within a compact "academic core".

Policy 1.2.1

Implement the pattern of academic facility clusters, quadrangles and malls.

MODESTO A. MAIDIQUE CAMPUS

- Academic and research infill sites are located within close proximity to similar facilities that reinforce each other in use (see Element 5.1A & Element 5.1B Modesto A. Maidique Campus).
- The northeast corner of campus is reserved for facilities that house laboratory, research and clinical facilities. These future building sites form an academic neighborhood defined primarily by academic health science facilities.
- Additional building sites, for primarily classroom use, surround the Avenue of the Professions. These support Social Science and Arts and Science expansion sites and strengthen the edge of the quadrangle anchored by the Rafael Diaz-Balart Hall on the west and the Green Library on the east.
- Building sites for the Colleges of Business, Law, Education and other professional programs are located north of Rafael Diaz-Balart Hall. They reinforce the edge of a pedestrian corridor that runs parallel to the Avenue of the Professions, terminates at Owa Ehan and extends the Main Street created by Parkview Housing Phases I and II.

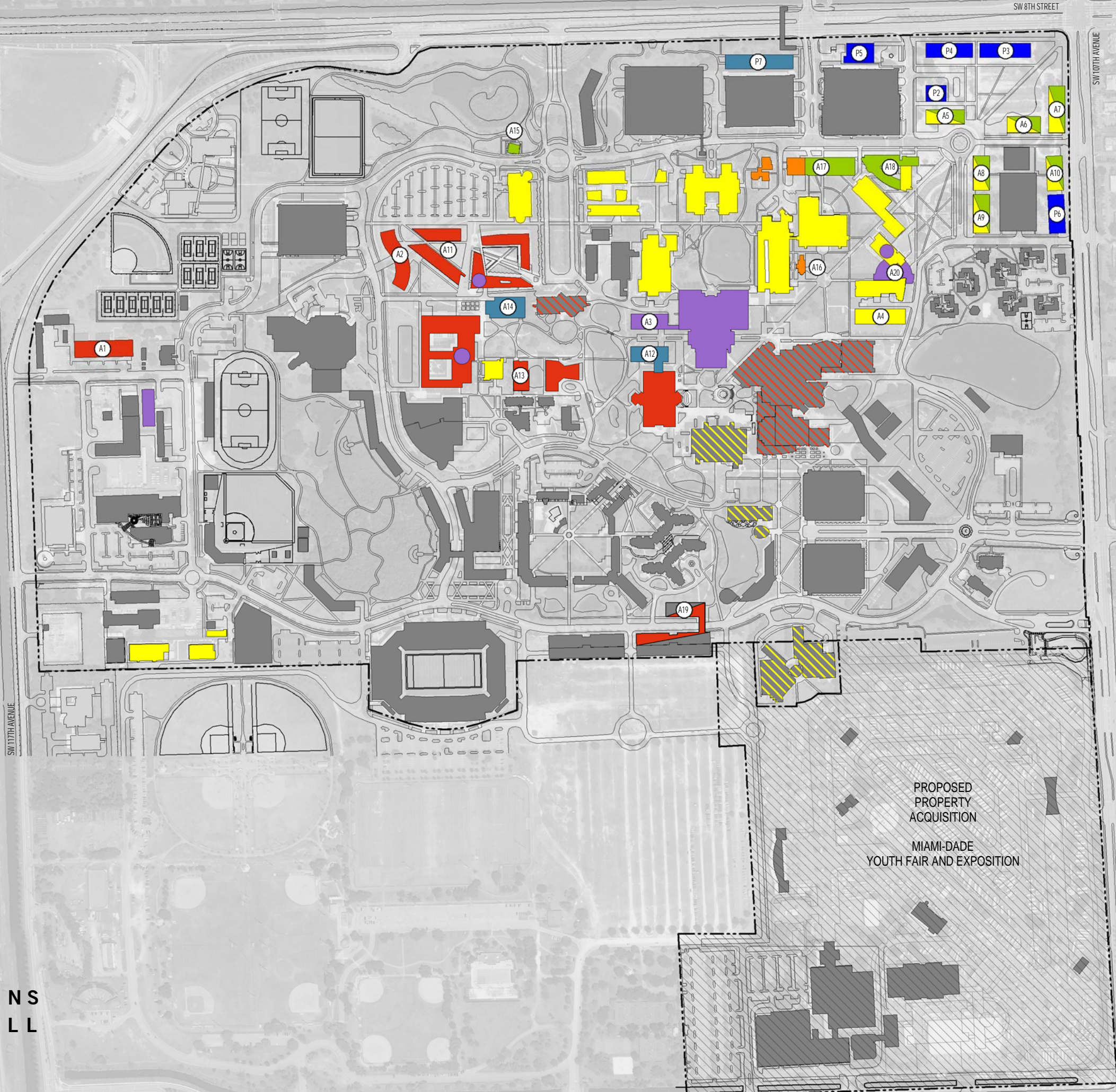
ENGINEERING CAMPUS

- A future academic and research facility is located adjacent to the existing building, defining a central quadrangle. (See Element 5.2A and Element 5.2B Engineering Campus)

BISCAYNE BAY CAMPUS

- Two future laboratory/research facilities are proposed to the south of Academic Two. Aligned with the existing Marine Biology building, the future facilities enclose an academic quadrangle focused around the existing pond. (See Element 5.3A and Element 5.3B Biscayne Bay Campus)
- An Academic Health Center housing clinical space should be located in the southeast corner of the site.
- The new RCCL training facility is located north of the academic core and adjacent to its associated housing.

- The Wildlife Center should be located north of the academic core in the north east corner of the campus.
- The Magnet School should be located west of the academic core and south of the existing, expanded surface parking lot.



KEY

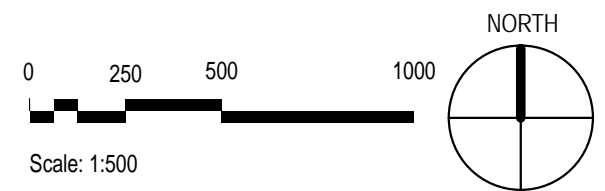
- A1. ACADEMIC 1
- A2. ACADEMIC 2
- A3. LIBRARY / STUDY ADDITION
- A4. ACADEMIC 4
- A5. ACADEMIC 5
- A6. ACADEMIC 6
- A7. ACADEMIC 7
- A8. ACADEMIC 8
- A9. ACADEMIC 9
- A10. ACADEMIC 10
- A11. ACADEMIC 11
- A12. SOCIAL SCIENCES / HUMANITIES
- A13. SIPA II
- A14. MANGO
- A15. SOLAR HOUSE
- A16. STOCKER ASTROSCIENCE
- A17. SCIENCE CLASSROOM COMPLEX
- A18. ACADEMIC HEALTH CENTER 5
- A19. HONORS COLLEGE
- A20. ACADEMIC HEALTH CENTER LIBRARY ADDITION
- P2. MEDICAL ARTS PAVILION 4
- P3. MEDICAL ARTS PAVILION 2
- P4. MEDICAL ARTS PAVILION 3
- P5. AMBULATORY CARE CENTER
- P6. MEDICAL ARTS PAVILION 1
- P7. PARTNERSHIP

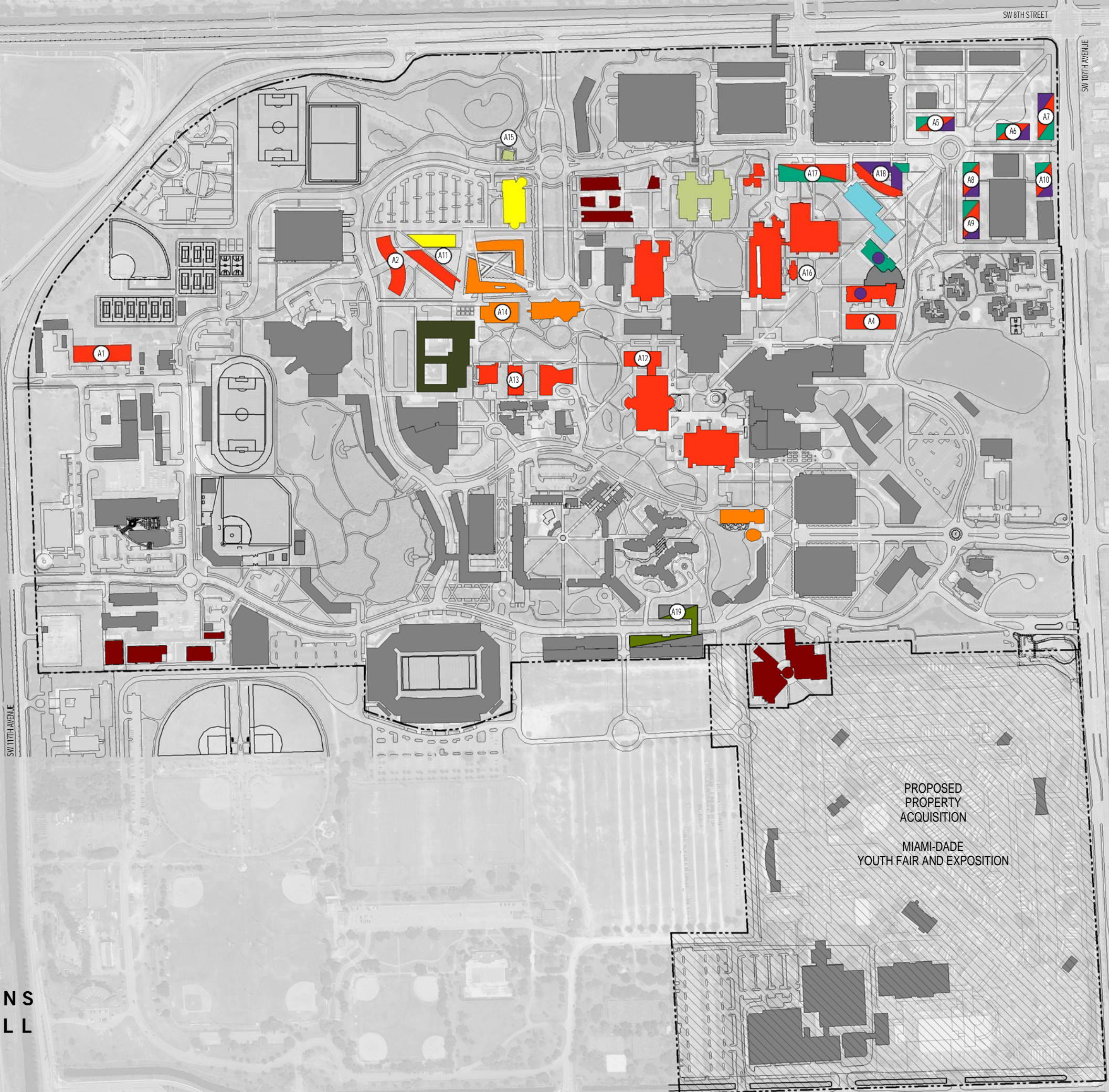
LEGEND

- CLASSROOM (FICM 100)
- LABORATORY (FICM 200)
- RESEARCH (FICM 200)
- STUDY (FICM 400)
- CLINICAL (FICM 500)
- SPECIAL USE ACADEMIC (FICM 500)
- MULTI-PURPOSE
- PROPOSED / EXISTING BUILDING
- STUDY SPACE HUB

HATCHED BUILDINGS REPRESENT ACADEMIC FUNCTIONS THAT OCCUPY LESS THAN HALF OF THE BUILDING

**ELEMENT 5.1A: ACADEMIC FACILITIES
MODESTO A. MAIDIQUE CAMPUS**





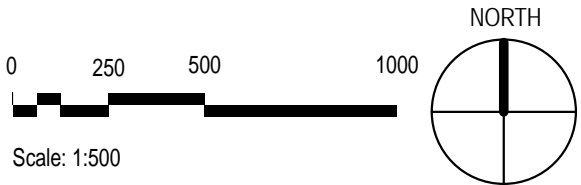
KEY

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- A6. ACADEMIC 6
- A7. ACADEMIC 7
- A8. ACADEMIC 8
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- A13. SIPA II
- A14: MANGO
- A15: SOLAR HOUSE
- A16: STOCKER ASTROSCIENCE
- A17: SCIENCE CLASSROOM COMPLEX
- A18. ACADEMIC HEALTH CENTER 5
- A19. HONORS COLLEGE

LEGEND

- COLLEGE OF ARCHITECTURE AND THE ARTS
- COLLEGE OF ARTS AND SCIENCES
- COLLEGE OF BUSINESS
- COLLEGE OF EDUCATION
- COLLEGE OF ENGINEERING AND COMPUTING
- HONORS COLLEGE
- COLLEGE OF LAW
- COLLEGE OF MEDICINE
- COLLEGE OF NURSING AND HEALTH SCIENCES
- SCHOOL OF HOSPITALITY MANAGEMENT
- SCHOOL OF JOURNALISM AND MASS COMM.
- COLLEGE OF PUBLIC HEALTH AND SOCIAL WORK

**ELEMENT 5.1B: COLLEGE SPACE NEEDS
MODESTO A. MAIDIQUE CAMPUS**





KEY

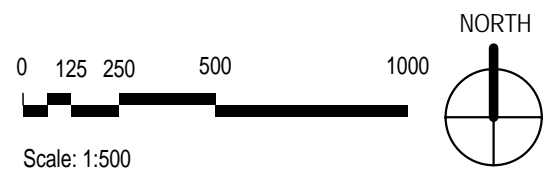
- A1. ENGINEERING BUILDING
- A2. RESEARCH FIELD

LEGEND

- CLASSROOM (FICM 100)
- LABORATORY (FICM 200)
- RESEARCH (FICM 200)
- STUDY (FICM 400)
- CLINICAL (FICM 500)
- SPECIAL USE ACADEMIC (FICM 500)
- MULTI-PURPOSE
- PROPOSED / EXISTING BUILDING
- STUDY SPACE HUB

HATCHED BUILDINGS REPRESENT ACADEMIC FUNCTIONS THAT OCCUPY LESS THAN HALF OF THE BUILDING

**ELEMENT 5.2A: ACADEMIC FACILITIES
ENGINEERING CENTER**





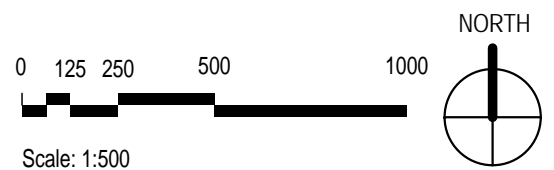
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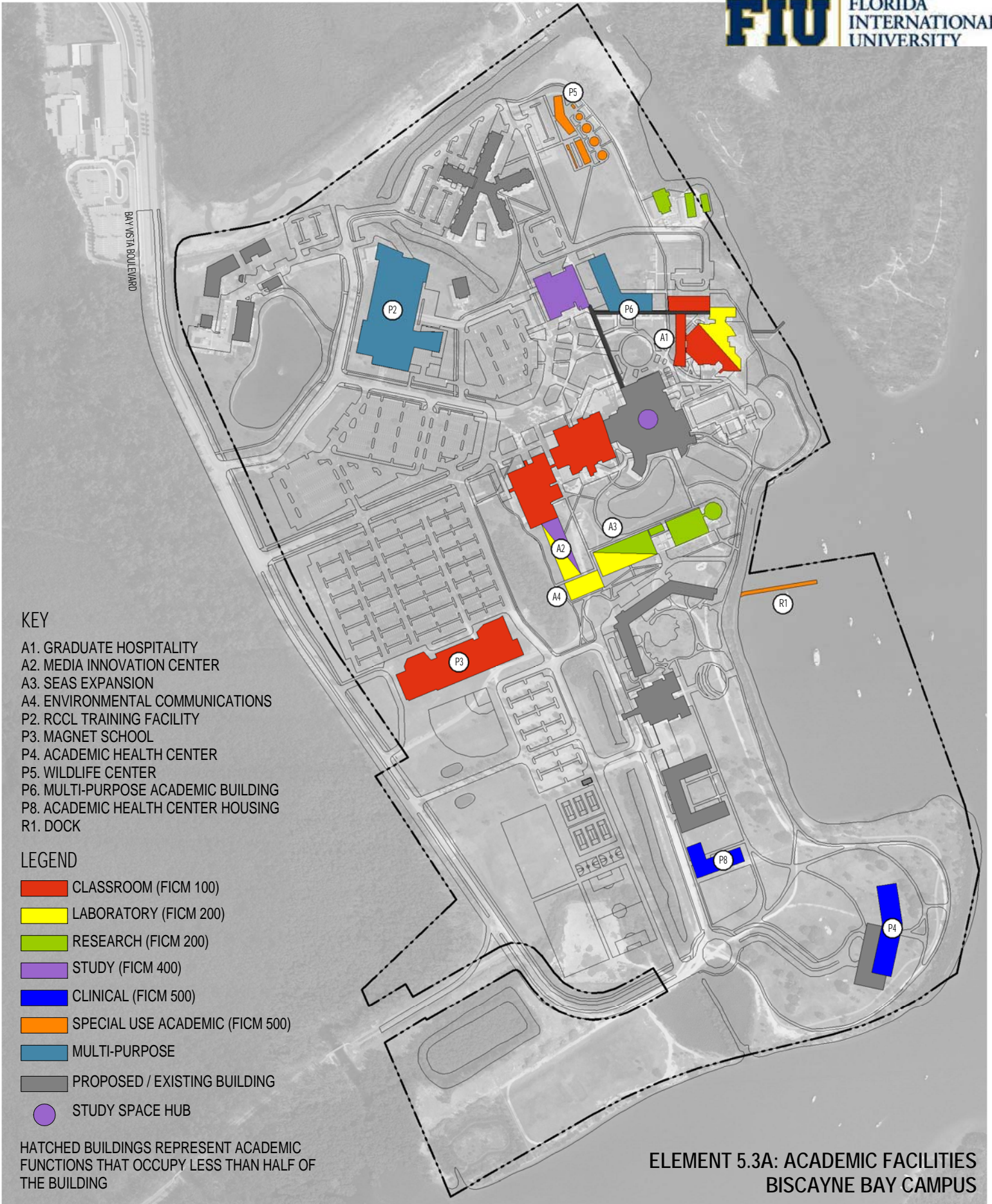
- A1. ENGINEERING BUILDING
- A2. RESEARCH FIELD

LEGEND

-  COLLEGE OF ENGINEERING AND COMPUTING

ELEMENT 5.2B COLLEGE SPACE NEEDS
ENGINEERING CENTER





BAY VISTA BOULEVARD

KEY

- A1. GRADUATE HOSPITALITY
- A2. MEDIA INNOVATION CENTER
- A3. SEAS EXPANSION
- A4. ENVIRONMENTAL COMMUNICATIONS
- P2. RCCL TRAINING FACILITY
- P3. MAGNET SCHOOL
- P4. ACADEMIC HEALTH CENTER
- P5. WILDLIFE CENTER
- P6. MULTI-PURPOSE ACADEMIC BUILDING
- P7. HOTEL
- P8. ACADEMIC HEALTH CENTER HOUSING

LEGEND

- COLLEGE OF ARCHITECTURE AND THE ARTS
- COLLEGE OF ARTS AND SCIENCES
- COLLEGE OF BUSINESS
- COLLEGE OF EDUCATION
- HONORS COLLEGE
- COLLEGE OF MEDICINE
- COLLEGE OF NURSING AND HEALTH SCIENCES
- SCHOOL OF HOSPITALITY MANAGEMENT
- SCHOOL OF JOURNALISM AND MASS COMM.
- COLLEGE OF PUBLIC HEALTH AND SOCIAL WORK

**ELEMENT 5.3B: COLLEGE SPACE NEEDS
BISCAYNE BAY CAMPUS**

