EMERGENCY ACCESS NOTES

1: ACCESS FOR EMERGENCY VEHICLES, VEHICULAR ACCESS LANES AND WIDTHS, OBSTRUCTION REQUIREMENTS AND TURNING RADII TO BE ACCOMMODATED. CONTINUED VEHICULAR ACCESS TO BE CONTINUOUS THROUGH ANY PROPOSED ENTRANCE FEATURE.

2: FIRE ACCESS LANES MUST BE CAPABLE OF SUPPORTING 32 TONS. AND SURFACED WITH SOLID, NATURAL OR CONCRETE STONES, OR WITH GRASS TURF REINFORCED BY CONCRETE GRIDS OR STABILIZED SUB-GRADE CONSTRUCTION, THAT MEET THE STANDARDS OF THE MIAMI DADE COUNTY PUBLIC WORKS DEPARTMENT.

3: APPROACH ACCESS LANES FOR EMERGENCY FIRE APPARATUS TO BE MAINTAINED AS PER APPROVED SPECIFICATIONS.

4: OPERATION AREA FOR HYDRANT CONNECTION AND SUPPLY TO FDC, EXACT LOCATION TO BE DETERMINED IN THE FIELD WITH THE AHJ.

5: DURING CONFIRMED EMERGENCIES, THE PRIMARY DEDICATED STAGING AREA FOR LADDERING APPARATUS WILL BE ON E CAMPUS CIRCLE.

6: ACCESS POINT (ON EACH TYPICAL FLOOR) THAT WOULD BE THE TARGET PENETRATION POINT FOR "WORST-CASE" LADDERING OPERATIONS. PROVIDE A SMOKE-PROTECTED PERSONNEL STAGING AREA GRANTING ACCESS THROUGH LOWER LEVEL UNITS INTO THE "CORE" AREA ON EACH FLOOR AND, FROM THERE TO 2 AND 1-WAY COMMUNICATIONS, STANDPIPE HOSE CONNECTIONS, ELEVATORS FOR BACK-UP EQUIPMENT, EVACUATION OF NON-AMBULATORY OCCUPANTS, ETC. AND DIRECT ACCESS TO ALL OTHER UNITS.

7: ALL FIRE LANES, AERIAL SET-UP LANES AND SLOPES IN THE PROJECT MUST BE ABLE TO ACCOMMODATE A TRUCK WITH THE DIMENSIONS AND ANGLE REQUIREMENTS SHOWN BELOW:

OVERALL LENGHT: 46'-10"	BUMPER TO BUMPER LENGHT: 32'
WHEEL BASE LENGHT: 256"	ANGLE OF APPROACH: 11° MAXIMUM
BRAKE-OVER ANGLE: 7°	ANGLE OF DEPARTURE: 8°

8: DEAD END DRIVES SHALL BE LIMITED TO 150ft. AND SHALL HAVE "DEAD END" SIGNS LOCATED AT THE ENTRANCE OF EACH DRIVE. IN FULLY SPRINKLERED BUILDINGS DEAD ENDS MAY BE UP TO 250ft.

9: GATED ENTRANCES SHALL BE PROVIDED WITH ELEVATOR LOCK BOXES CONTAINING A SWITCH OR LEVER TO ACTIVATE GATE FOR FIRE DEPARTMENT ENTRY. THE MINIMUM GATE WIDTH SHALL BE 15ft. AND CANNOT BE WITHIN THE TURNING RADIUS OF ANY DRIVE.

10: WHERE REQUIRED, APPROVED SIGNS OR OTHER APPROVED NOTICES SHALL BE PROVIDED AND MAINTAINED FOR FIRE DEPARTMENT ACCESS ROADS TO IDENTIFY SUCH ROADS, OR PROHIBIT THE OBSTRUCTION THEREOF, OR BOTH. THE APPROVED SIGNS, MARKINGS, AND NOTICES ARE TO BE CONSISTENT WITH LOCAL AND STATE LAWS.

11:EMERGENCY ACCESS PLAN DESIGNED TO 2004 FFPC AND NFPA CODES.

12: ACCESS LANES ARE TO BE A MINIMUM OF 20ft. WIDE WITH A VERTICAL CLEARENCE OF 13ft.6in. LANDSCAPING ALONG THIS LANES MUST BE APPROVED AND CONFORM TO LANDSCAPING PLANS.
13: TURNABOUT LANES FOR FIRE APPARATUS SHALL HAVE A MINIMUM CENTERLINE RADIUS OF 50ft. (T or Y TURNABOUTS ACCEPTABLE TO THE AHJ SHALL BE PERMITTED PER FFPC NFPA 13-5.2)
14: AERIAL APPARATUS SET-UP SITES SHALL BE PROVIDED AT THE CORNER OF EACH BUILDING OVER THREE STORIES AND AT THE APPROXIMATE CENTER OF BUILDINGS IN EXCESS OF 125 ft. IN LENGHT.

APPARATUS WEIGHT

APPARATUS	62,080	LBS.
BOOSTER TANK (H2O)	2,400	LBS.
MANPOWER / EQUIPMENT	8,000	LBS.
	72,460	LBS. OR 36 TONS

OTHER

REFER TO CIVIL ENGINEERING DWGS FOR FIRE HYDRANT AND FIRE DEPARTMENT CONNECTIONS.

15' HIGH MINIMUM VERTICAL CLEARANCE FOR EMERGENCY VEHICLES REQUIRED. LOADING/DELIVERY AREA IS OPEN TO THE SKY AND 15' MIN. IS PROVIDED AT DROP OFF AREA.

APPLICAPLE CODES

1. THESE DRAWINGS & PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE DEPARTMENT OF EDUCATION SPACE CRITERIA CODE, DOE CHAPTER 6A-2 / STATE REQUIREMENT FOR EDUCATIONAL FACILITIES, 1999 / F.B.C 2004 / F.F.P.C 2004 / N.F.PA. 101 2006

2. THE DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS. SHOULD THERE BE A CONFLICT BETWEEN ANY CODE REQUIREMENTS, COMPLY WITH THE REQUIREMENT THAT PROVIDES THE GREATEST DEGREE OF LIFE SAFETY.

A. FBC (FLORIDA BUILDING CODE), 2004 INCLUDING:
1) FBC - MECHANICAL
2) FBC - PLUMBING
3) FBC - FUEL GAS
4) NEC - (NATIONAL ELECTRICAL CODE 2005 EDITION
5) FBC CHAPTER 11 - FLORIDA ACCESIBILTY CODE FOR BUILDING CONSTRUCTION
6) FBC CHAPTER 30 - SAFETY CODE FOR ELEVATORS & ESCALATORS, INCLUDING ASME A17.1 & ADOPTED ADDENDA
7) FBC TEST PROTOCOLS FOR HIGH VELOCITY HURRICANE ZONES

B. FLORIDA FIRE PREVENTION CODE FBC 04 CHAPTER 25 & FAC 69-A.60 INCLUDING:
1) NFPA 1-2006
2) NFPA 101-2006
3) NFPA CODE LISTED IN FAC 69A-60.005
4) NFPA 13; STANDARDS FOR THE INSTALLATION OF SPRINKLER SYSTEM
5) NFPA 45-00; INSTRUCTIONAL LABORATORIES
6) NFPA 30-03; FLAMMABLE AND COMBUSTIBLE LIQUID CODE
7) NFPA 33-03; STANDARD FOR SPRAY APPLICATION USING FLAMMABLE OR COMBUSTIBLE LIQUIDS
8) NFPA 51B-03; STANDARD FOR FIRE PROTECTION DURING WELDING, CUTTING, AND OTHER HOT WORK
9) NFPA 92A: STANDARD FOR SMOKE-CONTROL SYSTEMS UTILIZING BARRIERS AND PRESSURE DIFFERENCES
10) NFPA 241-00; STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATION

C. STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES, 1999, VOLUME , CHAPTERS 1-4 & 6.
D. ASCE 7098; AMERICAN SOCIETY OF CIVIL ENGINEERS
E. UL FIRE RESISTANCE DIRECTORY 2005 OR VERIFIED AT WWW.UL.COM
F. FEDERAL REQUIREMENTS INCLUDING:
1. OSHA (OCUPPATIONAL SAFETY AND HEALTH ADMINIISTRATION. US DEPARTMENT OF LABOR, CFR 29 AS REVISED JULY 1995
2. FEMA (FEDERAL EMERGENCY MANAGEMENT AGENCY) , RULES & REGULATIONS 44 CFR, PARTS 59 & 60, REVSED OCTOBER 1995 FOR FLOOD PLAIN CRITERIA GOVERNING INSURABILTY OF FACILITIES CONSTRUCTED IN FLOOD PLAIN AREAS.
G. AMERICAN NATIONAL STANDARD SAFETY CODE FOR ELEVATORS (ANSI 17 a 17.1-1971 WITH LATEST SUPPLEMENTS) AND FLORIDA AMERICNA WITH DISABILITIES ACCESSIBILITY IMPLEMENTATION ACT)
H. NATIONAL ELECTRIC CODES
I. SMACNA
J. DEPARTMENT OF ENVIRONMENTAL PROTECTION
K. SOUTH FLORIDA WATER MANAGEMENT DISTRICT

3. OTHER REQUIREMENTS:

A. FBC 423.7: PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED, INSPECTED AND MAINTAINED IN ACCORDANCE WITH NFPA 10-98, "STANDARD FOR PORTABLE FIRE EXTINGUISHERS"
B. FBC 410 STAGE CONSTRUCTION
1) WORKING STAGE > 1,000 SF LESS THAN 50' IN HEIGHT
2) VENTILATORS (INCLUDING SMOKE VENTS) ARE REQUIRED FIRE SPRINKLERS SYSTEM AND 1-1/2" STAND PIPES ARE REQUIRED.

4. SPECIAL REQUIREMENTS

A. ENTIRE BUILDING STRUCTURE SHALL BE TYPE IB CONSTRUCTION, SPRINKLERED AND FIRE PROTECTED IN COMPLIANCE WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2004 AND NFPA 13-02 & 72-02

GENERAL NOTES

PROJECT DATA:

NEW 5-STORY CLASSROOM AND ADMINISTRATIVE BUILDING WITH ATTACHED 2-STORY AUDITORIUM.

BUILDING AREA: 58,238 GSF

CODE DATA:

CONSTRUCTION TYPE:	1B - FULLY SPRINKLERED
ZONING:	BU-2 - SPECIAL BUSINESS DISTRICT GU - INSTITUTIONAL
MUNICIPALITY:	UNINCORPORATED MIAMI-DADE
FEMA FLOOD ZONE:	X-500 - NO BASE
HIGH-RISE BUILDING:	NO
MIXED OCCUPANCIES:	A-1 - AUDITORIUM A-2 - CAFETERIA A-3 - CLASSROOM / LECTURE HALL > 50 PEOPLE B - TYPICAL CLASSROOM & OFFICE LEVEL

FIRE RESISTANCE RATINGS: FBC TABLE 601/602

STRUCTURAL FRAME - 2HR
EXTERIOR NON-BEARING WALLS - 0 HR (> 30' DISTANCE FROM ADJACENT BLDG)

CONSTRUCTION
INTERIOR BEARING WALLS - 2 HR
INTERIOR NON-BEARING WALLS - 0 HR
FLOOR CONSTRUCTION - 2 HR
ROOF CONSTRUCTION - 1 HR

ROOM SEPARATION
STORAGE > 100 SF - 1 HR OR SPRINKLERED
ELEVATOR & STAIR SHAFTS - 2 HR
ATRIUMS - 1 HR W/ SMOKE CONTROL
CORRIDORS - NR

OCCUPANCY SEPARATIONS:
FBC TABLE 302.3.2 - WITH 1 HR SPRINKLER REDUCTION TO 1 HR MINIMUM ON RATED SEPARATIONS - LIFE SAFETY 6.1.1.4.4

A1 / A2 - 1 HR	A2 / B - 1 HR
A1 / B - 1 HR	A3 / B - 1 HR

TERMITE PROTECTION

TERMITE PEST CONTROL CERTIFICATION AS REQ. PER FBC-103.6.5

TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION. SEE SECTION 202, REGISTERED TERMITICIDE. UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

TRAVEL DISTANCE, DEAD END LENGTH, EXIT AND MEANS OF EGRESS WIDTH (F.F.P.C. NFPA 101)

OCCUPANCY CLASSIFICATION		MAXIMUM TRAVEL DISTANCE TO EXIT	MAXIMUM COMMON PATH OF TRAVEL	MAXIMUM DEAD END CORRIDOR LENGTH	EGRESS WIDTH PER PERSON SERVED		MINIMUM CORRIDOR/ AISLE WIDTH	MINIMUM CLEAR OPENING OF EXIT DOORS	MINIMUM STAIR WIDTH
OCCUPANCY	FACTOR	(SPRINKLERED)	(SPRINKLERED)	(SPRINKLERED)	LEVEL	STAIRS			
ASSEMBLY W/ FIXED SEATS	a , b	250 FT.	20 FT. / 75 FT. **	20 FT.	0.2	0.3	44 IN.	32 IN.	44 IN.
ASSEMBLY W/ OUT FIXED SEATS *	15 NET	250 FT.	20 FT. / 75 FT. **	20 FT.	0.2	0.3	44 IN.	32 IN.	44 IN.
BUISINESS	100 GR	300 FT.	100 FT.	50 FT.	0.2	0.3	44 IN.	32 IN.	44 IN.
		NFPA 101-TABLE A.7.6			NFPA 101-TABLE 7.3.3.1			NFPA 101 7.2.1.2.4	NFPA 101 7.2.2.2.1a

TRAVEL DISTANCE, DEAD END LENGTH, EXIT AND MEANS OF EGRESS WIDTH (F.B.C.)

OCCUPANCY CLASSIFICATION		MAXIMUM TRAVEL DISTANCE TO EXIT	MAXIMUM COMMON PATH OF TRAVEL	MAXIMUM DEAD END CORRIDOR LENGTH	EGRESS WIDTH PER PERSON SERVED		MINIMUM CORRIDOR/ AISLE WIDTH	MINIMUM CLEAR OPENING OF EXIT DOORS	MINIMUM STAIR WIDTH
OCCUPANCY	FACTOR	(SPRINKLERED)	(SPRINKLERED)	(SPRINKLERED)	LEVEL	STAIRS			
ASSEMBLY W/ FIXED SEATS	a , c	200 FT.	20FT./50FT./75FT. ***	20 FT.	0.2	0.3	44 IN.	32 IN.	44 IN.
ASSEMBLY W/ OUT FIXED SEATS *	15 NET	200 FT.	20FT./50FT./75FT. ***	20 FT.	0.2	0.3	44 IN.	32 IN.	44 IN.
BUSINESS	100 GR	300 FT.	100 FT.	50 FT.	0.2	0.3	44 IN.	32 IN.	44 IN.
		FBC-TABLE 1015.1		FBC-1016.3	FBC-TABLE 1005.1		FBC-1016.2	FBC-1008.1.1	FBC-1009.1

* UNCONCENTRATED

** ASSEMBLY OCCUPANCIES >50 PERSONS= 20' COMMON PATH, <50 PERSONS= 75 COMMON PATH

***ASSEMBLY OCCUPANCIES >50 PERSONS= 20' COMMON PATH, <50 PERSONS= 75' COMMON PATH, SMOKE PROTECTED ASSEMBLY= 50' COMMON PATH

a BENCH TYPE SEATING (NO DIVIDER ARMS) = 1 PERSON / 18 L IN.
b FIXED SEATING = NUMBER OF FIXED SEATS
c FIXED SEATING = 1 PERSON / 24 IN.

SCHOOL OF INTERNATIONAL AND PUBLIC AFFAIRS
BT-835
MIAMI, FLORIDA

FLORIDA INTERNATIONAL UNIVERSITY
MIAMI, FLORIDA

ARCHITECT OF RECORD
ARQUITECTONICA
801 Brickell Ave, Suite 1100
Miami, Florida 33131
T 305.372.1812
F 305.372.1175
www.arquitectonica.com

STRUCTURAL ENGINEER:
PISTORINO & ALAM
7171 S.W. 62nd Ave, 4th FL
MIAMI, FL 33143
305.669.2700
305.669.2165

M.E.P. ENGINEER:
MEP ENGINEERING, INC
10590 N.W. 27th Street, SUITE 101
MIAMI, FL 33172
305.471.0160
305.593.2530

LANDSCAPE ARCHITECT
ARQUITECTONICAGEO
801 BRICKELL AVE, SUITE 1100
MIAMI, FL 33131
305.372.1812
305.372.1175

CIVIL ENGINEER:
TERRA CIVIL ENGINEERING
7855 NW 12 STREET, SUITE 202
DORAL, FL 33126
305.499.5010
786.664.6500

CONSULTANT:
NUTTING ENGINEERS
1310 NEPTUNE DRIVE
BOYTON BEACH, FL 33246
561.736.4900
561.737.9975

CONSULTANT:
WAVEGUIDE
8270 WOODLAND CENTER BLVD.
TAMPA, FLORIDA 33614
813-739-8998
813-769-3516

SEAL / SIGNATURE / DATE

100% CONSTRUCTION DOCUMENTS

OFFICE REGISTRATION #: AA C000465

Issue #	Issue Date / For
7.24.07	SCHEMATIC DESIGN APPROVAL
11.12.07	SCHEMATIC DESIGN APPROVAL
02.22.08	SCHEMATIC DESIGN APPROVAL
03.28.08	SCHEMATIC DESIGN APPROVAL
10.21.08	PROGRESS DESIGN DEVELOPMENT
11.26.08	100 % DESIGN DEVELOPMENT
02.25.09	FOUNDATION PERMIT
03.18.09	50% CONSTRUCTION DOCUMENTS
05.18.09	100% CONSTRUCTION DOCUMENTS

PROJECT NO.: 2441

SHEET INDEX

GENERAL NOTES

A0.03