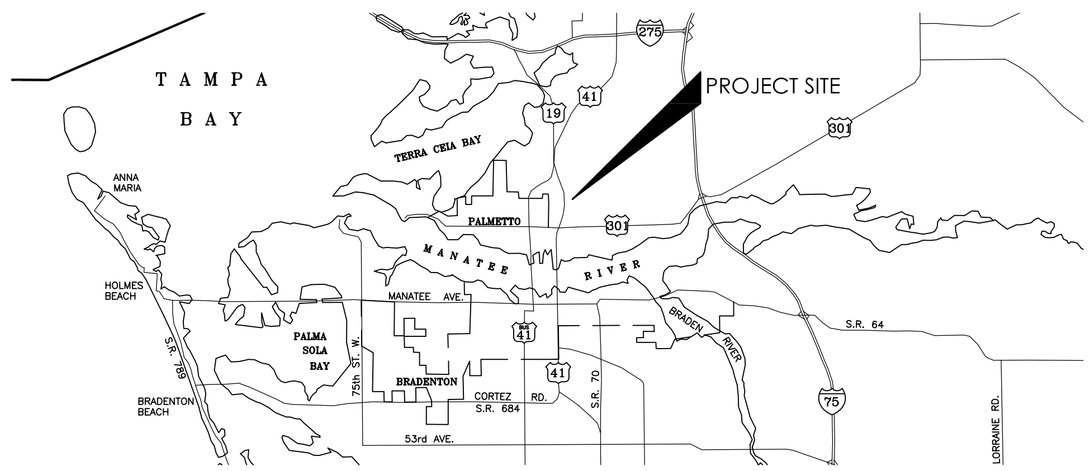
DRAWINGS FOR A NEW

SPLASH PAD AND RESTROOM FACILITIES IN LINCOLN PARK

PALMETTO, FLORIDA



N

VICINITY MAP

SCALE: NOT TO SCALE

BUILDING CODE ANALYSIS - FBC 2007 W/ 2009 UPDATES

CITY OF PALMETTO

PROJECT NAME: * LINCOLN SPLASH PARK

GENERAL BUILDING INFORMATION

SPRINKLER SYSTEM: NO

BUILDING OCCUPANCY (CHAPTER 3): * 'U' – UTILITY

BUILDING CONSTRUCTION TYPE (CHAPTER 6): * VB

DESIGN LOADS AND STRESSES (TABLE 1607.1 & SECTION 1606 & 1607)						MIND LOADS SECTION (1609 AND TABLES 1609A–E)	
ROOF:	DEAD LOAD *	25 PSF.	FLOORS–	DEAD LOAD: *	SLAB ON GRADE PSF.	BASIC WIND SPEED (FIGURE 1609): *	130 MPH
	COLLATERAL: *	NA PSF.		LIVE LOAD: *	NA PSF.	EXPOSURE CATEGORY (1609.4): *	C
	LIVE LOAD: *	30 PSF.	BALCONIES–	DEAD LOAD: *	NA PSF.	IMPORTANCE FACTOR (TABLE 1604.5): *	1.0
CORRIDORS:	DEAD LOAD: *	NA PSF.		LIVE LOAD: *	NA PSF.	INTERNAL PRESSURE COEFFICIENTS *	+.55, –.55
	LIVE LOAD: *	NA PSF.				BUILDING DEFINITION (1609.2) *	PARTIALLY ENCLOSED
				SOIL BEARING CAPACITY: *	2000 PSF PSF.		

BUILDING AREAS, BUILDING SIZE AND EGRESS REQUIREMENTS

MAXIMUM ALLOWABLE FLOOR AREA/STORIES (TABLE 503): * 5,500 SF/ 1 STORY

MAXIMUM ALLOWABLE BUILDING HEIGHT AND NUMBER OF STORIES (TABLE 503): * 40 FT – 1 STORY

ACTUAL BUILDING HEIGHT AND NUMBER OF STORIES: * 15 FT – 1 STORY

COMPUTATION OF AREA MODIFICATIONS (SECTION 506): * NA

OCCUPANT LOAD (TABLE 1004.1.2): * MECH = 2 PERSONS @ 300 GROSS (*)

MINIMUM # OF EXITS REQUIRED (TABLE 1018.1): * 1 PER ROOM

MAXIMUM TRAVEL DISTANCE (TABLE 1015.1): * 300 FT

MAXIMUM COMMON PATH OF TRAVEL (1013.3): * 75 FT

GROSS FLOOR AREA ENTIRE BUILDING: * 885 SQ. FT.

GROSS FLOOR AREA PER FLOOR: * 885 SQ. FT.

NET FLOOR AREA ENTIRE BUILDING: * NA SQ. FT.

NET FLOOR AREA PER FLOOR: * NA SQ. FT.

FIRE RESISTANCE RATING OF BUILDING COMPONENTS AND ELEMENTS PER TABLE 601: 0

PARTY AND FIRE WALLS: * N/A

INTERIOR NON-LOAD BEARING WALLS: * 0

BEAMS, GIRDERS, TRUSSES, ARCHES: * 0

ROOFS, ROOF/CEILING ASSEMBLIES: * 0

EXTERIOR NON-LOAD BEARING WALLS: * 0

INTERIOR BEARING WALLS: * 0

COLUMNS: * 0

FLOOR, FLOOR/CEILING ASSEMBLIES: * 0

EXTERIOR BEARING WALLS: * 0

INTERIOR SEPARATION WALL: * 0

REQUIRED SEPARATION FROM A COMMON OR ASSUMED PROPERTY LINE PER TABLE 602: * NA

(*) OCCUPANCY LOAD OF SITE

PER F.B.C. 2007 W/ 2009 UPDATES
TABLE 1004.1.2

OCCUPANCY OF SWIMMING POOL WATER SURFACE
3,500 SF / 50 GROSS = 70 PERSONS

OCCUPANCY OF SWIMMING POOL DECK
1,800 SF / 30 GROSS = 60 PERSONS

OCCUPANCY OF MECHANICAL EQUIPMENT ROOM
400 SF / 300 GROSS = 2 PERSONS

TOTAL SITE OCCUPANCY = 132 PERSONS

RESTROOM FIXTURE COUNT

PER FLORIDA PLUMBING CODE 2007 W/ 2009 UPDATES
TABLE 403.8

PUBLIC SWIMMING POOL FIXTURES REQUIRED
TOTAL SF OF POOL = 3,500 SF
(2,501–5,000)

MEN'S RESTROOMS
URINALS = 2
WC = 1
LAVATORY = 1

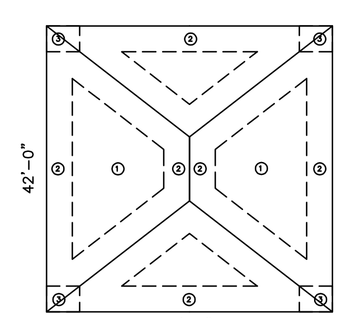
WOMEN'S RESTROOMS
WC = 5
LAVATORY = 1

ROOF UPLIFT DIAGRAM
2007 FLORIDA BUILDING CODE

Wind Speed = 130mph
Exposure Category = C
Importance Factor = 1.0 (T1606)
Building is Partially Enclosed
Internal Pressure Coef. = 0.55
Height = 15.5'
Width =42'
A = .1xW or .4xH (whichever is smaller
but not less then 3').
(4.2') or (6.2') or (3.0') use 6.8'.
Dead Load = 25psf

Sheathing/Cladding – ASCE 7–02

	+P	–P	
Zone '1' =	32.78	–45.26	
Zone '2' =	32.78	–70.24	OH = –68.68
Zone '3' =	32.78	–70.24	OH = –115.50
Zone '4' =	48.39	–51.51	
Zone '5' =	48.39	–60.87	



PRODUCT APPROVAL LIST

APPROVAL No.	MANUFACTURER	PRODUCT CATEGORY	PRODUCT MODEL # or NAME	PRESSURE DESIGN PRESSURE	PRESSURE MAX SYSTEM PRESSURE	APPROVAL ENTITY	EXPIRATION/ APPROVAL DATE	COMMENTS
08–0908.20	INGERSOLL–RAND	DOOR	H16 OUT SWING	--	±60	MIAMI–DADE	EXP. NOV. 13, 2013	--
FL6876.3	GREENHECK	LOUVER	ESD–435X	--	±152	FLORIDA	APP. FEB. 2, 2010	--
09–0901.06	KP BUILDING PRODUCTS	SOFFIT	SOFFIT	--	±40	MIAMI–DADE	EXP. NOV. 11, 2010	--
09–0929.03	METAL SALES MANF. CORP	ROOF	5V	--	±131	MIAMI–DADE	EXP. JUNE 29, 2013	--

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A401 ELEVATIONS
A501 BUILDING SECTION
A502 BUILDING SECTION
A503 WALL SECTIONS
A601 REFLECTED CEILING PLAN AND ELECTRICAL

STRUCTURAL DRAWINGS
S–1 WATER TANK PLAN, SECTION, STRUCTURAL NOTES & TYPICAL DETAILS

CIVIL DRAWINGS
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LANDSCAPE DRAWINGS
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E6.01 LUMINAIRE SCHEDULE

PERMIT SET

9/1/2010 4:19 PM Craig Fisher CAD DWG FILE: A001 TITLE SHEET.DWG

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TITLE SHEET

MANATEE COUNTY - LINCOLN SPLASH PARK

501 17TH STREET EAST PALMETTO, FL 34221

REVISIONS:

PROJECT NO: 2009–46
DATE: 08.27.2010
DRAWN BY: –
CHK'D BY: –

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CARLOS D. UGARTE
LIC. NO. AR-0010725

SHEET

A001