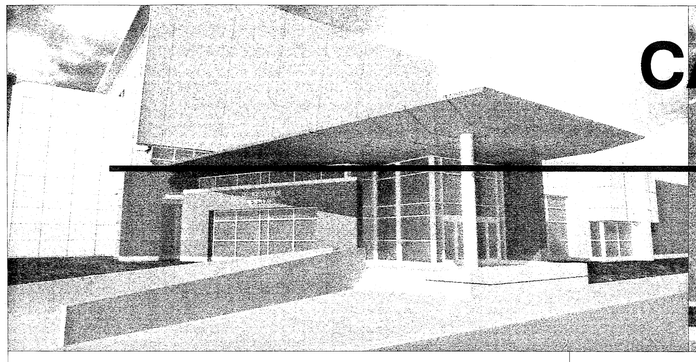


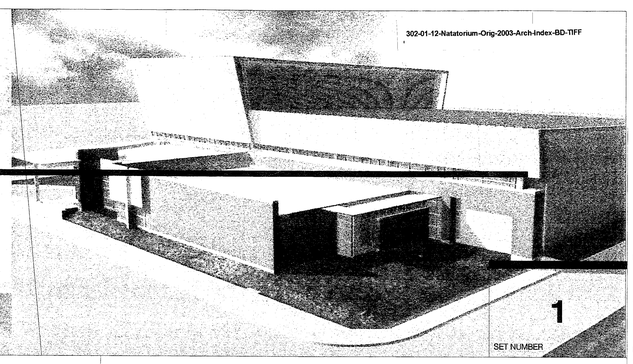
CARDINAL PARK NATATORIUM

UNIVERSITY OF LOUISVILLE

LOUISVILLE, KENTUCKY

CONSTRUCTION DOCUMENTS

ISSUE DATE: AUGUST 27, 2003



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ABBREVIATIONS

A/C	-	air conditioning
ACOUS	-	acoustic(al)
ACT	-	acoustical tile
AD	-	area drain
AFF	-	above finished floor
AHU	-	air handling unit
ALT	-	alternate
ALUM	-	aluminum
AP	-	access panel
ARCH ASSY	-	architect(ural) assembly
BOC	-	bottom of curb
BD	-	board
BLDG	-	building
BLK	-	block(ing)
BM	-	beam or benchmark
BRK	-	brick
BRZ	-	bronze
BSMT	-	basement
BTM	-	bottom
BOW	-	bottom of wall
CAB	-	cabinet
CER	-	ceramic
CHW	-	chilled water
CI	-	cast iron
CIP	-	cast in place
CJ	-	control joint
CL	-	centerline
CLG	-	ceiling
CMU	-	concrete masonry unit
CO	-	clean out
COL	-	column
CONC	-	concrete
CONST	-	construction
CONT	-	continuous
CORR	-	corrugated
CPT	-	carpet
CT	-	ceramic tile
CTSK	-	countersink
CW	-	curtain wall
DBL	-	double
DET	-	detail
DIA	-	diameter
DIAG	-	diagonal
DIM	-	dimension
DIV	-	division
DL	-	dead load
DN	-	down
DS	-	downspout
DWG	-	drawing
E	-	east
EA	-	each
EF	-	each face
EJ	-	expansion joint
ELEC	-	electric(al)
ELEV	-	elevation, elevator
EPDM	-	ethylene propylene diene monomer
EQ	-	equal
EQUIP	-	equipment
EV	-	extruded vinyl
EW	-	each way
EWC	-	electric water cooler
EX	-	exposed
EXH	-	exhaust
EXIST	-	existing
EXP	-	expansion
EXT	-	exterior
FD	-	floor drain
FDW	-	foundation
FE	-	fire extinguisher
FEC	-	fire extinguisher cabinet
FIN	-	finish(ed)
FIX	-	fixture
FL	-	floor
FLG	-	flooring
FT	-	foot, feet
FTG	-	footing
GA	-	guage
GALV	-	galvanized
GB	-	grab bar
GCT	-	glazed ceramic tile
GFRC	-	glass fiber reinforced concrete
GFRG	-	glass fiber reinforced gypsum
GI	-	galvanized iron
GL	-	glass
GL BLK	-	glass block
GLZ	-	glazing
GRD	-	ground
GWB	-	gypsum wallboard
GYP	-	gypsum
HB	-	hose bibb
HCD	-	hollow core door
HCM	-	hollow core metal
HCW	-	hollow core wood
HD	-	head
HDW	-	hardware
HGT	-	height
HM	-	hollow metal
HORIZ	-	horizontal
HPL	-	high pressure laminate
HR	-	hour
HVAC	-	heating/ventilation/ air conditioning
ID	-	inside diameter
IN	-	inch
INSUL	-	insulation
INT	-	interior
INV	-	invert
JAN	-	janitor
JST	-	joist
JT	-	joint
KIT	-	kitchen
LAB	-	laboratory
LAM	-	laminate
LAV	-	lavatory
LF	-	lineal foot
LH	-	left hand
LHR	-	left hand reverse
LL	-	live load
LTG	-	lighting
LVR	-	louver
M	-	meter
MACH	-	machine
MAINT	-	maintenance
MAR	-	marble
MAS	-	masonry
MATL	-	material
MAX	-	maximum
MECH	-	mechanical
MEZZ	-	mezzanine
MFR	-	manufacturer
MIN	-	minimum
MISC	-	miscellaneous
MM	-	millimeter
MO	-	masonry opening
MTD	-	mounted
MTL	-	metal
MUL	-	mullion
N	-	north
NIC	-	not in contract
NO	-	number
NOM	-	nominal
NRC	-	noise reduction coefficient
NTS	-	not to scale
OC	-	on center
OD	-	outside diameter
OH	-	overhead door
OHD	-	opposite hand
OPNG	-	opening
OPP	-	opposite
ORD	-	overflow roof drain
P	-	paint
PC	-	precast concrete
PERF	-	perforated
PL	-	plate
PLA	-	plaster
PLWD	-	plywood
PP	-	power pole
PR	-	pair
PRCST	-	precast
PREFAB	-	prefabricated
PSF	-	pounds per square foot
PSI	-	pounds per square inch
PTD	-	painted
QT	-	quarry tile
R	-	riser
RA	-	return air
RAD	-	radius
RB	-	rubber base
RD	-	roof drain
REF	-	refer(ence)
REINF	-	reinforced
REQD	-	required
RES	-	resilient
REV	-	revision
RH	-	right hand
RHR	-	right hand reversed
RM	-	room
RO	-	rough opening
S	-	south
SCHED	-	schedule
SCW	-	solid core wood
SECT	-	section
SF	-	square feet
SHT	-	sheet
SIM	-	similar
SPEC	-	specification(s)
SQ	-	square
SQ FT	-	square feet
SQ IN	-	square inch
SST	-	stainless steel
STD	-	standard
STL	-	steel
STOR	-	storage
STRUCT	-	structural
SUSP	-	suspended
T	-	tread
T&G	-	tongue and groove
TEL	-	telephone
TOC	-	top of curb
TOW	-	top of wall
TYP	-	typical
VB	-	vinyl base
VCT	-	vinyl composition tile
VERT	-	vertical
VWC	-	vinyl wall covering
W	-	west
W/	-	with
W/O	-	without
W/W	-	wall to wall
WC	-	water closet
WD	-	wood
WF	-	wide flange
WGL	-	wire glass
WPT	-	working point
WWF	-	welded wire fabric
YD	-	yard, yard drain

CODE REVIEW

I. Project Site Area: This description disturbs approximately 1.2 +/- acres.

II. Legal Description: See Site Survey.

III. Occupancy Classification
A. Principal Intended Use: Assembly (A-3)
B. Accessory Use: Storage/Mechanical

IV. Physical Properties of the Building
A. Main Level: 37,800 Gross SF
B. Mechanical Level: 3,200 Gross SF

V. Means of Egress
A. Occupancy Load:
1. Main Level
a. Main Level: Assembly = 500 Fixed Seats

B. Number of Exits
1. Main Level 5 exits
C. Maximum Travel Distance:
1. Sprinkled: 250 FT
D. Maximum Dead End Corridor: 20 FT
E. Egress Width Per Person-Level: 0.2 IN
F. Minimum Aisle/Corrdior Width: 44 IN/36 IN if<50 occupants served
G. Minimum Clear Opening Width-Door: 32 IN

VI. Grade and Finish Floor Elevations
A. Grade Elevations:
1. Main Level = 459'-0"

VII. Building Height
A. Building Height in Feet: 58 FT
B. Number of Stories: 1 (with 3,200 s.f. mechanical level at south end of building)

VIII. Exterior Horizontal Separation Distance
(based on Type II-Protected, Sprinkled)
A. North Over 30 FT No Limit - Non-combustible
B. East Over 30 FT No Limit - Non-combustible
C. South Over 30 FT No Limit - Non-combustible
D. West Over 30 FT No Limit - Non-combustible

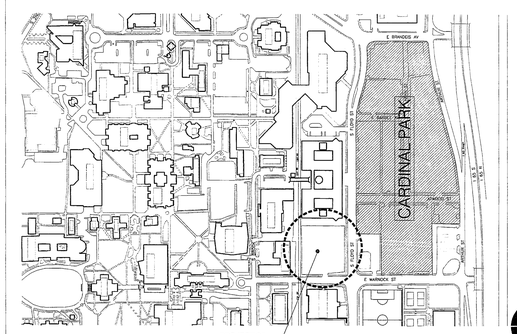
IX. Type of Construction
A. Proposed Type of Construction:
Type IV-Unprotected Sprinkled
1. Maximum Height: 65 FT
2. Maximum Stories: 5
3. Allowable Area Per Floor: 34,000 SF/Floor; 51,000 SF/Floor One Story

X. Detailed Occupancy Requirements:
A. Occupancy Separation Requirements
1. Assembly: 1 Hour
2. Storage: NR
3. Mechanical 1 Hour

XI. Detailed Construction Requirements:
A. Fire Protection of Structural Members:
1. Interior Bearing Walls
a. Supporting Roof Only: Non-combustible
2. Interior NonBearing Partitions: Non-combustible
3. Columns
a. Supporting Roof Only: Non-combustible
4. Beams, Girders, Trusses, and Arches
a. Supporting Roof Only: Non-combustible
5. Floors and Floor/Ceiling Assemblies: Non-combustible
6. Roofs and Roof/Ceiling Assemblies: Non-combustible
7. Exterior Bearing Walls
a. Over 30 FT Non-combustible
8. Exterior NonBearing Walls Non-combustible
a. Over 30 FT

XII. Minimum Fire Resistance Walls/Partitions Opening Protectives
A. Walls and Partitions
1. Within Tenant Space 0 Hour NR
2. Exit Access Corridors 1 Hour 3/4
3. Bathrooms and Restrooms 0 Hour NR
4. Mech. Equipment Room 1 Hour 3/4

LOCATION MAP



GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE CONTRACT DOCUMENTS AND UNDERSTANDING THE SCOPE OF THE CONTRACT DOCUMENTS AS THE FOLLOWING. THE CONTRACT DOCUMENTS INDICATE THE GENERAL SCOPE OF THE WORK FOR THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPTS, THE DIMENSION OF THE BUILDING, THE ARCHITECTURAL ELEMENTS. THE CONSTRUCTION DOCUMENTS DO NOT, AND ARE NOT INTENDED TO, INDICATE OR DESCRIBE, THE WORK REQUIRED FOR FULL PERFORMANCE OF, AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT. ON THE BASIS OF GENERAL SCOPE OF WORK INDICATED, OR DESCRIBED IN THESE CONTRACT DOCUMENTS, THE TRADE CONTRACTOR IS TO PROVIDE THE ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
2. IT IS THE CONTRACTORS, OR SUB-CONTRACTORS, RESPONSIBILITY TO VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF THE WORK, OR FABRICATION OF COMPONENTS.
3. DIMENSIONS ARE NOMINAL FROM FACE OF STUD OR FINISH FACE OF BLOCK OR FINISH CONSTRUCTION UNLESS OTHERWISE NOTED.
4. DO NOT SCALE DRAWINGS. DIMENSIONS SHALL GOVERN FINAL BUILDING COMPONENT LOCATIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
5. LOCATE ALL DOORS 4" OFF ADJACENT HINGE SIDE WALL, UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE ACCESS DOORS REQUIRED BY THE 'M', 'E', AND 'P' SERIES CONTRACT DOCUMENTS.
7. MINIMUM SLOPE ON INTERIOR DRAINS INDICATED AS " * 1S 1/8 INCH PER FOOT.
8. VERIFY SIZE AND LOCATION OF ALL REQUIRED MECHANICAL HOUSEKEEPING PADS AND WALL OPENINGS WITH THE MECHANICAL CONTRACTOR.
9. SEE SHEETS THROUGH FOR REFLECTED CEILING PLANS AND RELATED WORK.
10. WINDOW/ DOOR SCHEDULE, REFER TO SHEETS

SHEET INDEX

CIVIL

C1.00	EXISTING SITE SURVEY
C2.00	CONSTRUCTION FENCING & DEMOLITION PLAN
C3.00	LAYOUT & GRADING PLAN
C4.00	DETAILS
C5.00	EROSION PREVENTION & SEDIMENT CONTROL PLAN

LANDSCAPE

L1.00	LANDSCAPE PLAN
I1.01	IRRIGATION PLANS & DETAILS

ARCHITECTURAL

A1.00	ORIENTATION PLAN
A1.01	MAIN LEVEL FLOOR PLAN - UNIT A
A1.02	MAIN LEVEL FLOOR PLAN - UNIT B
A1.03	MECHANICAL FLOOR PLAN
A1.04	ROOF PLAN - UNIT B
A1.05	ROOF PLAN - OVERALL
A2.01	BUILDING ELEVATIONS
A2.02	BUILDING ELEVATIONS
A2.03	BUILDING ELEVATIONS
A3.01	BUILDING SECTIONS
A3.02	BUILDING SECTIONS
A3.03	WALL SECTIONS
A3.04	WALL SECTIONS
A3.05	WALL SECTIONS
A3.06	WALL SECTIONS
A3.07	WALL SECTIONS
A3.08	WALL SECTIONS
A3.09	WALL SECTIONS
A3.10	WALL SECTIONS
A3.11	WALL SECTIONS
A3.12	WALL SECTIONS
A3.13	WALL SECTIONS
A3.14	WALL SECTIONS
A4.01	EQUIPMENT PLANS & SCHEDULES
A4.02	EQUIPMENT PLANS & SCHEDULES
A5.01	SECTION DETAILS
A5.03	PLAN DETAILS
A5.04	PLAN DETAILS
A6.01	ROOM/ DOOR SCHEDULE
A6.02	WINDOW ELEVATIONS
A6.03	WINDOW ELEVATIONS
A6.04	DOOR DETAILS
A7.01	MAIN LEVEL RCP - UNIT A
A7.02	MAIN LEVEL RCP - UNIT B
A8.01	POOL PLANS & DETAILS
A8.01a	POOL PLANS & DETAILS (MYRTHA ALTERNATE)
A8.02	POOL WALL SECTIONS
A8.03	POOL DETAILS
A8.04	DIVING PLATFORMS

STRUCTURAL

S1.01	FOUNDATION PLAN
S1.01A	FOUNDATION PLAN (ALTERNATE)
S1.02	FOUNDATION PLAN
S2.01	FOUNDATION SECTIONS
S2.01A	FOUNDATION SECTIONS (ALTERNATE)
S2.02	FOUNDATION SECTIONS
S2.03	FOUNDATION SECTIONS
S2.04	FOUNDATION SECTIONS
S3.01	SECOND FLOOR FRAMING PLAN
S4.01	ROOF FRAMING PLAN
S4.02	ROOF FRAMING PLAN
S5.01	FRAMING SECTIONS
S5.02	FRAMING SECTIONS
S5.03	FRAMING SECTIONS

MECHANICAL

M001	SYMBOLS AND ABBREVIATIONS - MECHANICAL
M201	ROOF PLAN - MECHANICAL

HVAC

H101	SITE PLAN - HVAC
H201	MAIN LEVEL FLOOR PLAN - HVAC
H202	MECHANICAL FLOOR PLAN - HVAC
H203	MAIN LEVEL FLOOR PLAN - HVAC PIPING
H204	MECHANICAL FLOOR PLAN - HVAC PIPING
H301	SECTIONS - HVAC
H302	SECITONS - HVAC
H401	DIAGRAMMS- HVAC
H501	SCHEDULES- HVAC
H601	DETAILS- HVAC
H602	DETAILS- HVAC

FIRE PROTECTION

F201	MAIN LEVEL FLOOR PLAN - FIRE PROTECTION
F202	MECHANICAL FLOOR PLAN - FIRE PROTECTION
F401	DIAGRAMS- FIRE PROTECTION

PLUMBING

P201	UNDERSLAB PLAN- PLUMBING
P202	MAIN LEVEL FLOOR PLAN - PLUMBING
P203	MECHANICAL FLOOR PLAN - PLUMBING
P301	ENLARGED MECHANICAL ROOM - PLUMBING
P401	DIAGRAMS - PLUMBING
P402	POOL SYSTEMS PIPING DIAGRAM - PLUMBING
P501	SCHEDULES - PLUMBING
P601	DETAILS - PLUMBING
P602	POOL DETAILS - PLUMBING

ELECTRICAL

E001	ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
E101	ELECTRICAL SITE PLAN
E201	MAIN LEVEL FLOOR PLAN - LIGHTING
E202	MECHANICAL FLOOR PLAN - LIGHTING
E203	MAIN LEVEL FLOOR PLAN - POWER
E204	MECHANICAL FLOOR PLAN - POWER
E205	MAIN LEVEL FLOOR PLAN - SIGNALS
E206	MECHANICAL FLOOR PLAN - SIGNALS
E301	ENLARGED ELECTRICAL ROOM- ELECTRICAL
E401	ELECTRICAL RISER DIAGRAMS
E402	SECURITY SYSTEM RISER & DETAILS

MATERIAL DESCRIPTIONS

WALL SECTION HATCH PATTERNS

STEEL	BRICK	CMU
EARTH	COMPACTED FILL	GYPSUM WALLBOARD
RIGID INSULATION	GRANULAR FILL	ROUGH LUMBER
SHIM	PLYWOOD	BATT INSULATION
CONCRETE	-	-

PLAN HATCH PATTERNS

BRICK	CMU	CONCRETE
STEEL	-	-

RATED WALL DESIGNATIONS

ONE HOUR WALL	TWO HOUR WALL	SMOKE COMPARTMENT

GRAPHIC SYMBOLS

NORTH COMPASS DIRECTION
705.0 — EXISTING GRADE CONTOUR
705.0 — NEW GRADE CONTOUR
PROPERTY LINE
EASEMENT LINE
MATCH LINE
CENTER LINE
1 5/8" — DIMENSION LINE
BREAK LINE
UP — STAIR DIRECTION LINE
NOTE — NOTE REFERENCE LINE
1 — KEY NOTE REFERENCE LINE
T.O. FLOOR SLAB ELEV = 0'-0" — LEVEL LINE
712.20' — EXISTING POINT OF ELEVATION
711.20' — NEW POINT OF ELEVATION
789.50' — POINT OF ELEVATOIN @ TOP OF CURB
789.00' — POINT OF ELEVATOIN @ BASE OF CURB
FENCING

A 3 — EXISTING STRUCTURAL REFERENCE GRID
A 3 — STRUCTURAL REFERENCE GRID
DETAIL REFERENCE — DRAWING NUMBER, SHEET NUMBER (10/A5.01)
1/A3.01 1/A3.01 — BUILDING SECTION REFERENCE — SHEET NUMBER, DRAWING NUMBER
1/A3.02 — WALL SECTION/DETAIL REFERENCE — SHEET NUMBER, DRAWING NUMBER
1/A2.01 — ELEVATION REFERENCE — SHEET NUMBER, DRAWING NUMBER

100A — DOOR NUMBER
W1 — WINDOW NUMBER
1 — REVISION NUMBER
MAIN OFFICE 100 1,000 S.F. — AREA NAME AND ROOM NUMBER
MAIN OFFICE 100 F1 B1 W1 — FINISH PLAN ROOM INFORMATION
BASE MATERIAL AND FINISH
WALL FINISH
FLOOR MATERIAL AND FINISH
MAIN OFFICE 100 12'-0" AG1 — RCP ROOM INFORMATION
CEILING HEIGHT
CEILING MATERIAL AND FINISH
A — WALL TYPE REFERENCE
A — EQUIPMENT REFERENCE NUMBER
∠ ANGLE
@ AT
⊏ CHANNEL
℄ CENTERLINE
d PENNYWEIGHT
⊥ PERPENDICULAR
= PARALLEL
PL PLATE

JOHN M. DIERDORF REGISTERED No. 3589 STATE OF KENTUCKY ARCHITECT

CERTIFICATION

CONSTRUCTION DOCUMENTS

CARDINAL PARK NATATORIUM

UNIVERSITY OF LOUISVILLE

Project: 03006
Drawn: D. MCCLOSKEY
Checked: J. LINDSTAEDT
Scale: AS NOTED
Issue Date: AUGUST 27, 2003
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INDEX

OFFICIAL BID DOCUMENT

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