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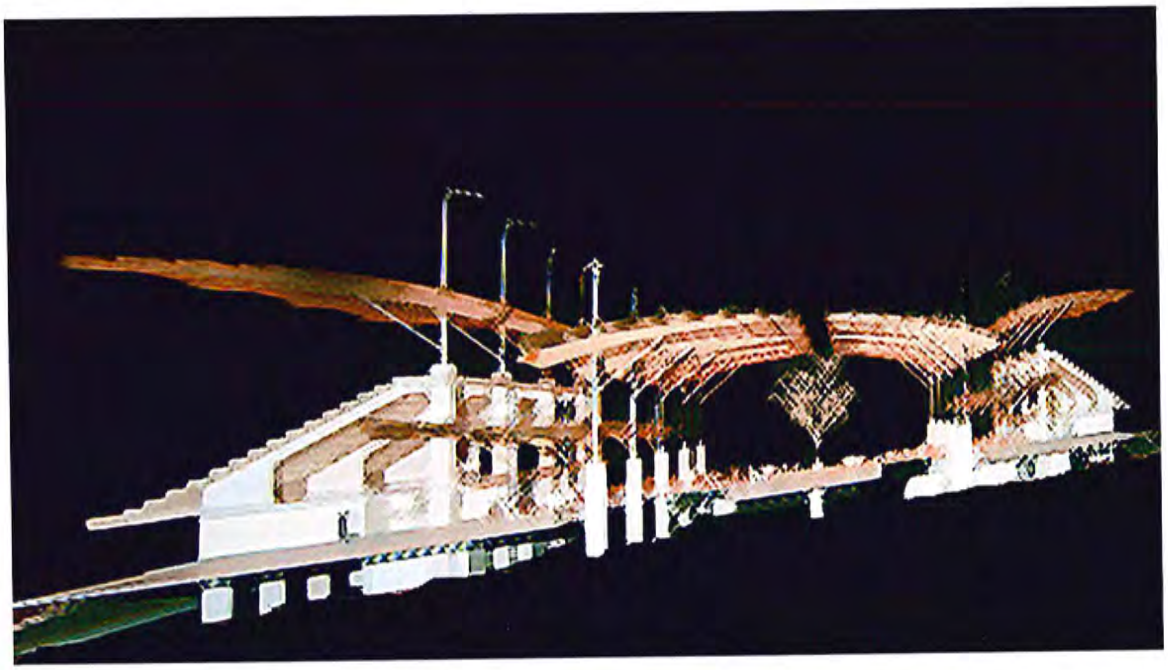
RAIC Syllabus
National Office

# WORLD CLASS MOTORSPORTS FACILITY

**RAIC SYLLABUS – THESIS D9**
**JULY 2003**

**MICHAEL COX**
**BC790004**



## PRESENTATION - DRAWINGS AND MODEL

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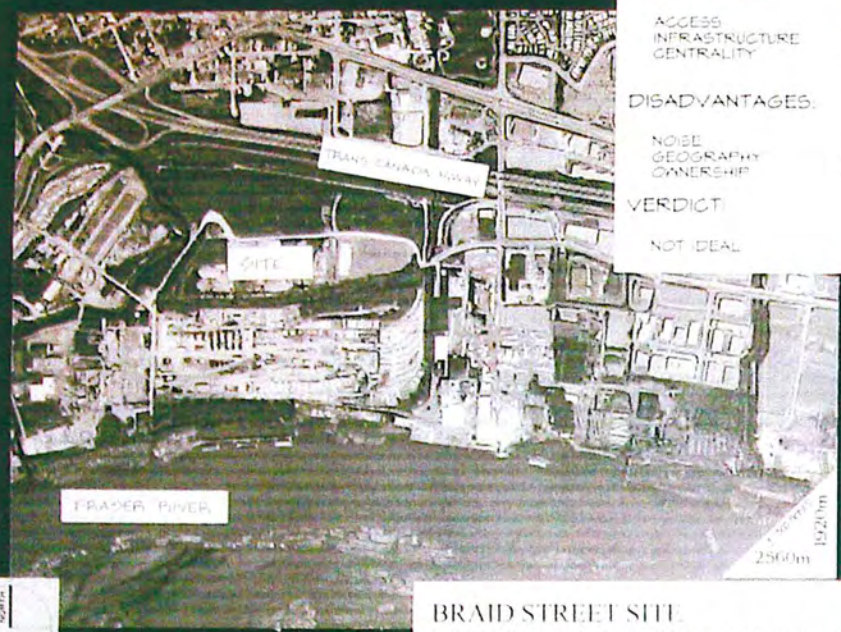



ADVANTAGES:

| | |
|---|---|
| ACCESS | GOOD |
| INFRASTRUCTURE | GOOD |
| CENTRALITY | GOOD |

DISADVANTAGES:

| | |
|---|---|
| NOISE | POOR |
| GEOGRAPHY | PROBLEM |
| OWNERSHIP | PROBLEM |

VERDICT:

NOT IDEAL

BRAID STREET SITE
NEW WESTMINSTER/COQUITLAM

LOOKING EAST

LOOKING WEST

ADVANTAGES:

| | |
|---|---|
| ACCESS | GOOD |
| INFRASTRUCTURE | GOOD |
| CENTRALITY | GOOD |
| GEOGRAPHY | GOOD |
| OWNERSHIP | GOOD |

DISADVANTAGES:

| | |
|---|---|
| NOISE | POOR |

VERDICT:

TOO CONTROVERSIAL

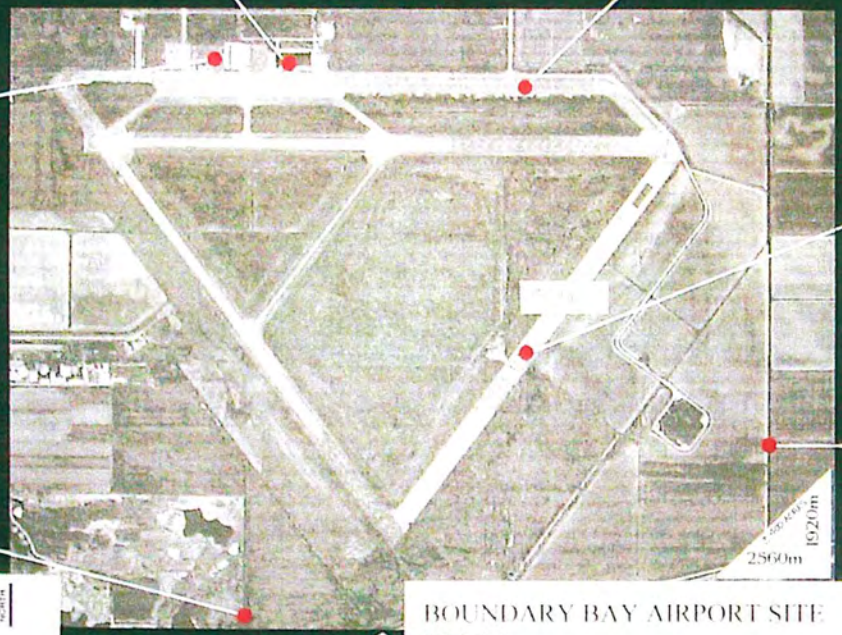
LOOKING EAST

LOOKING WEST

VANCOUVER AIRPORT SITE
RICHMOND

EXISTING TERMINAL

EXISTING TERMINAL



MOTOR VEHICLE TRAINING

WEST BOUNDARY

EAST BOUNDARY

NORTH

BOUNDARY BAY AIRPORT SITE
DELTA

LOOKING NORTH

ADVANTAGES:

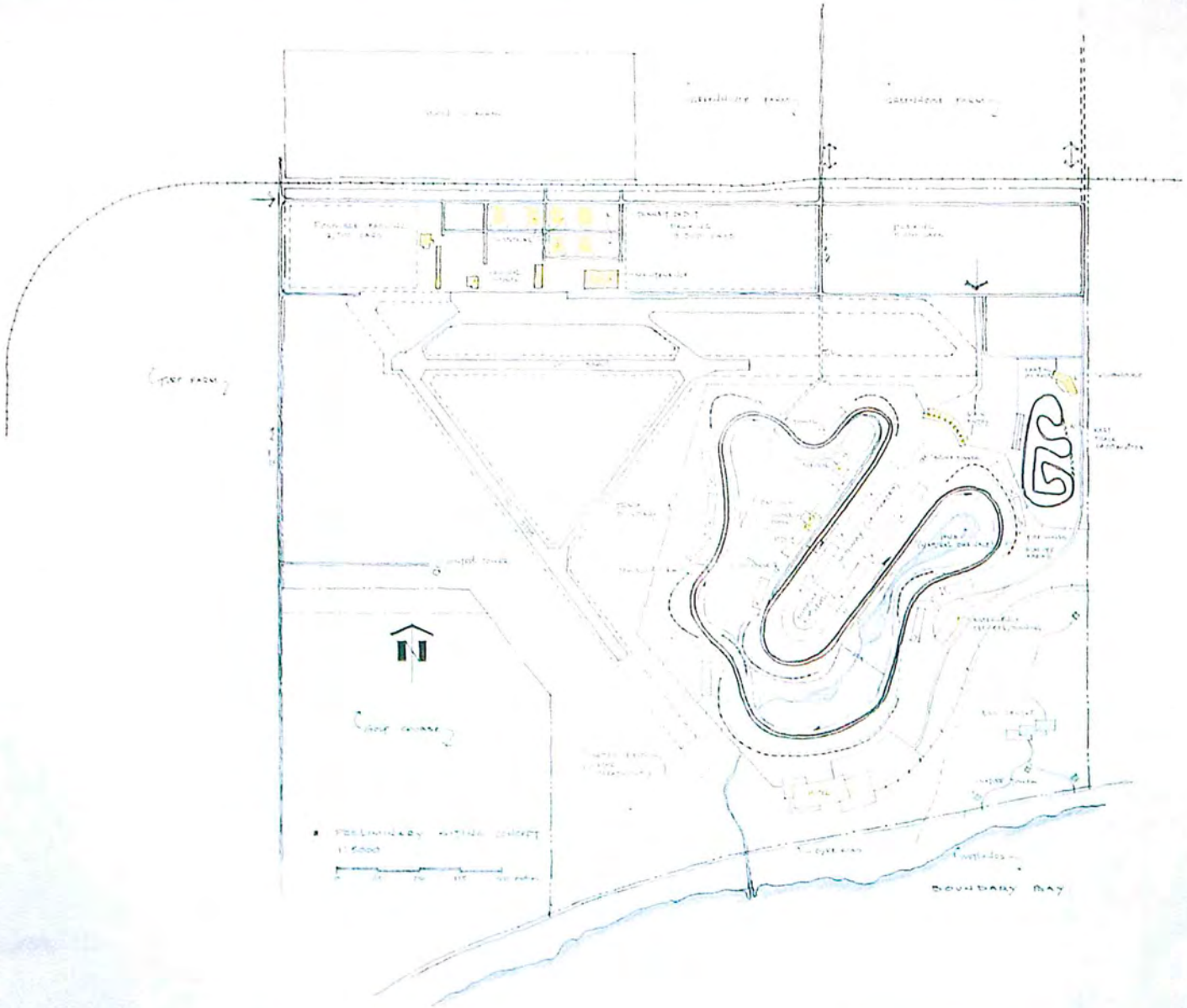
| | |
|---|---|
| ACCESS | GOOD |
| INFRASTRUCTURE | GOOD |
| NOISE | GOOD |
| CENTRALITY | GOOD |
| GEOGRAPHY | GOOD |
| OWNERSHIP | GOOD |

DISADVANTAGES:

NO MAJOR ITEMS

VERDICT:

BEST SITE




PRELIMINARY SITING CONCEPT
BOUNDARY BAY MOTORSPORTS PARK

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

REQUIREMENTS:

| | |
|---|---|
| TRACK LENGTH: | 1.75 miles - 3 miles |
| FACILITIES: | Ticket Booths<br>Parking<br>Concessions<br>Washrooms<br>Race Control<br>Timing & Scoring<br>Support offices<br>Pit Facilities<br>Paddock Area<br>Karting Circuit<br>Emergency<br>Meeting/ Exhibits<br>Grandstands |
| TRACKS: | Length<br>Variations<br>Karting<br>Service Roads<br>Marshall Stands<br>Drag strip<br>FIA Reg's |

PROGRAM ANALYSIS

WORLD CLASS MOTOR SPORT FACILITY

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THESIS - D9

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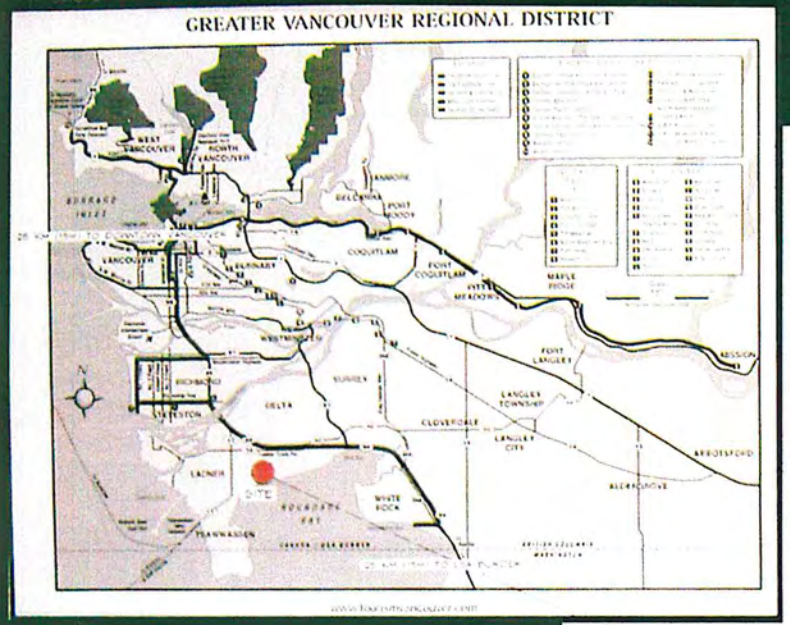

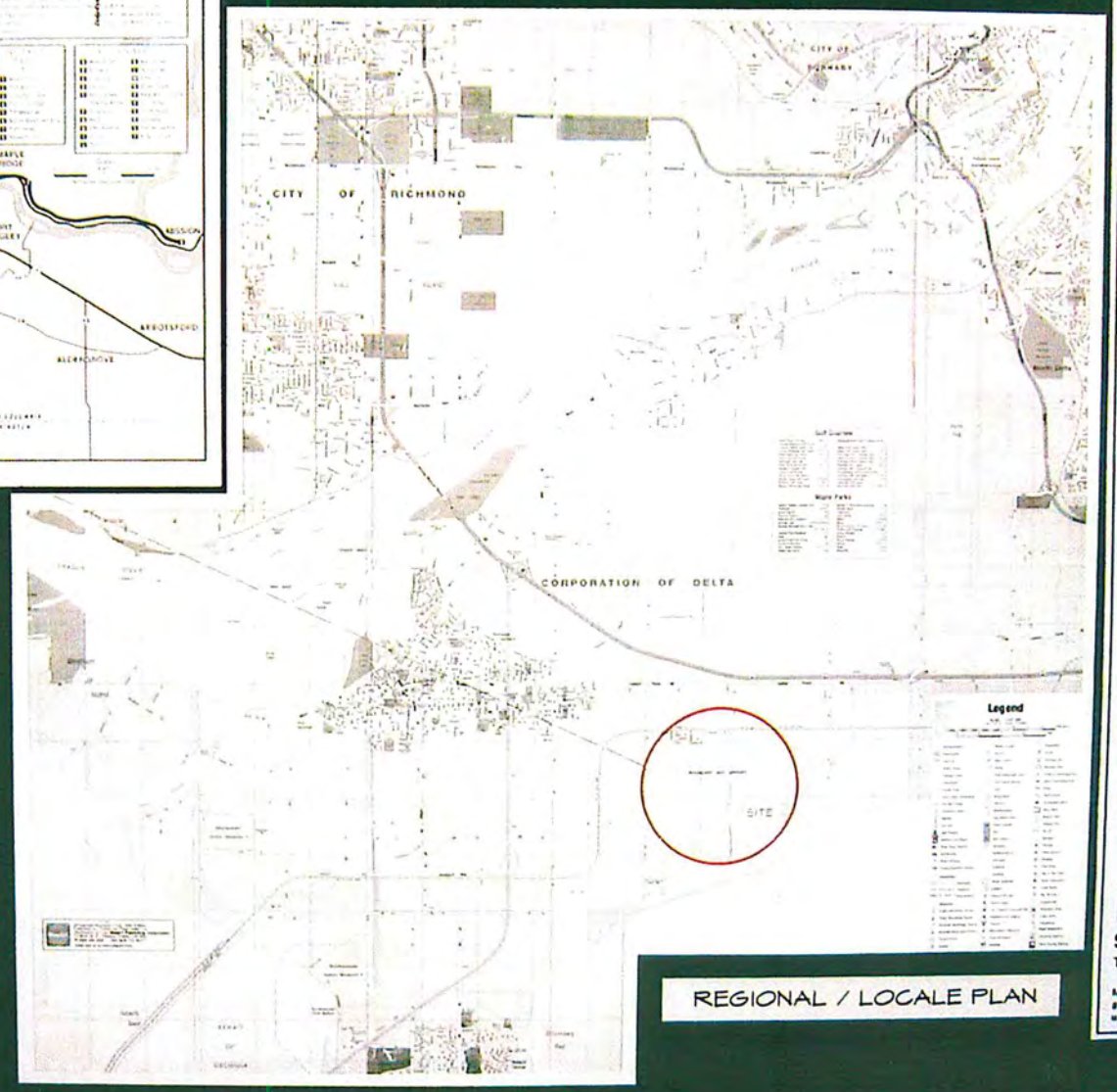


REGIONAL / LOCALE PLAN

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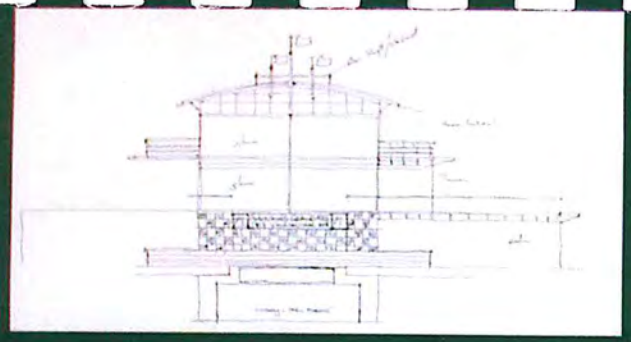

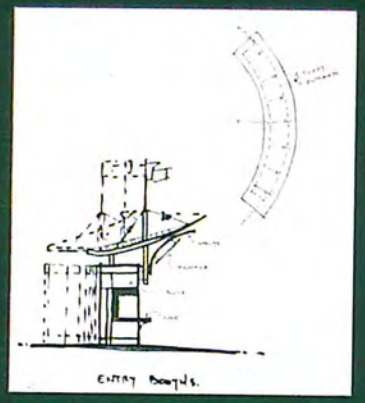


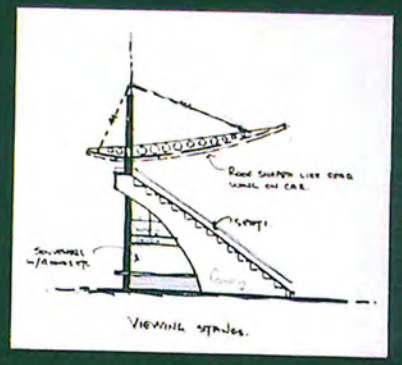


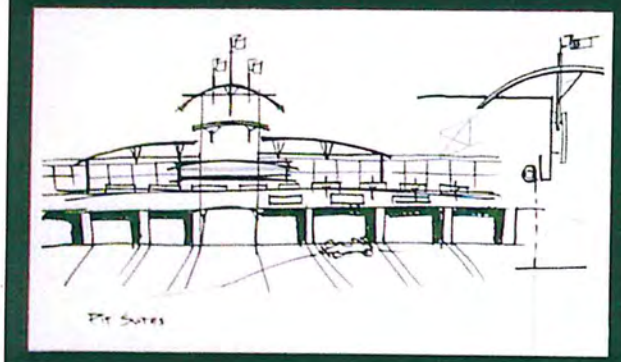


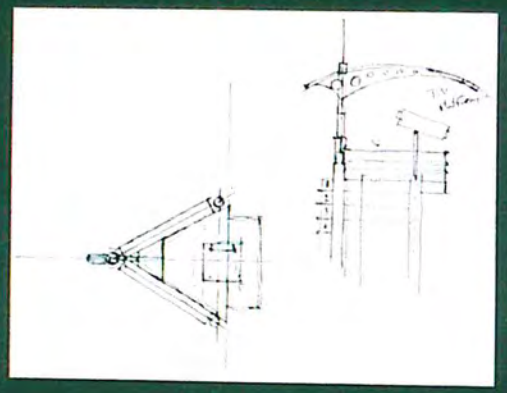

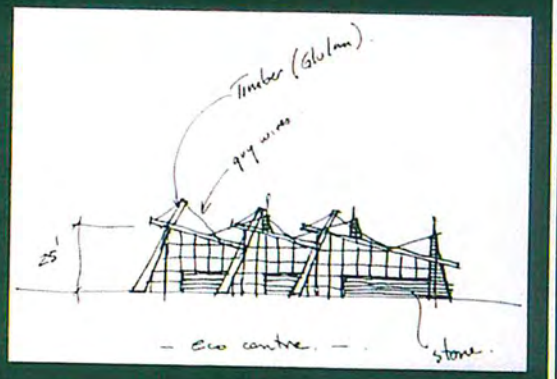


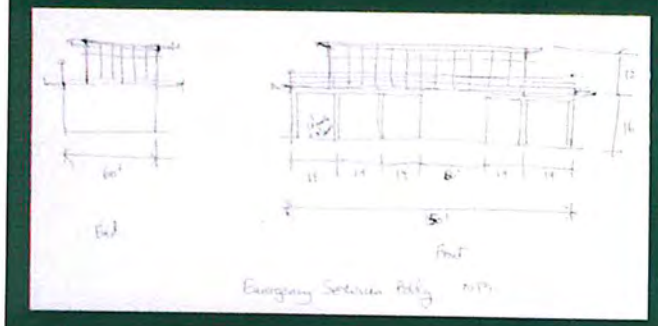


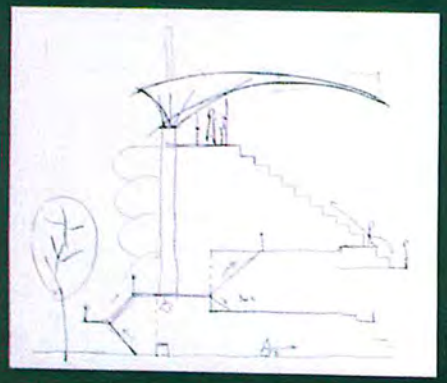

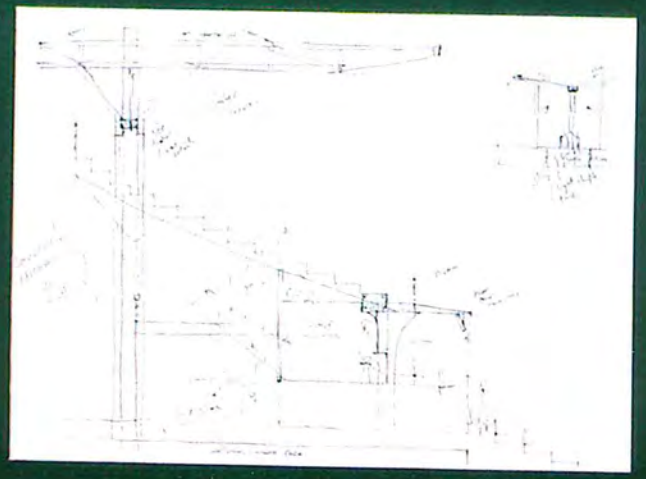

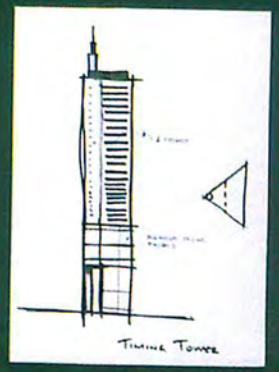


CONCEPTUAL THOUGHTS

WORLD CLASS MOTOR SPORT FACILITY

RAIC
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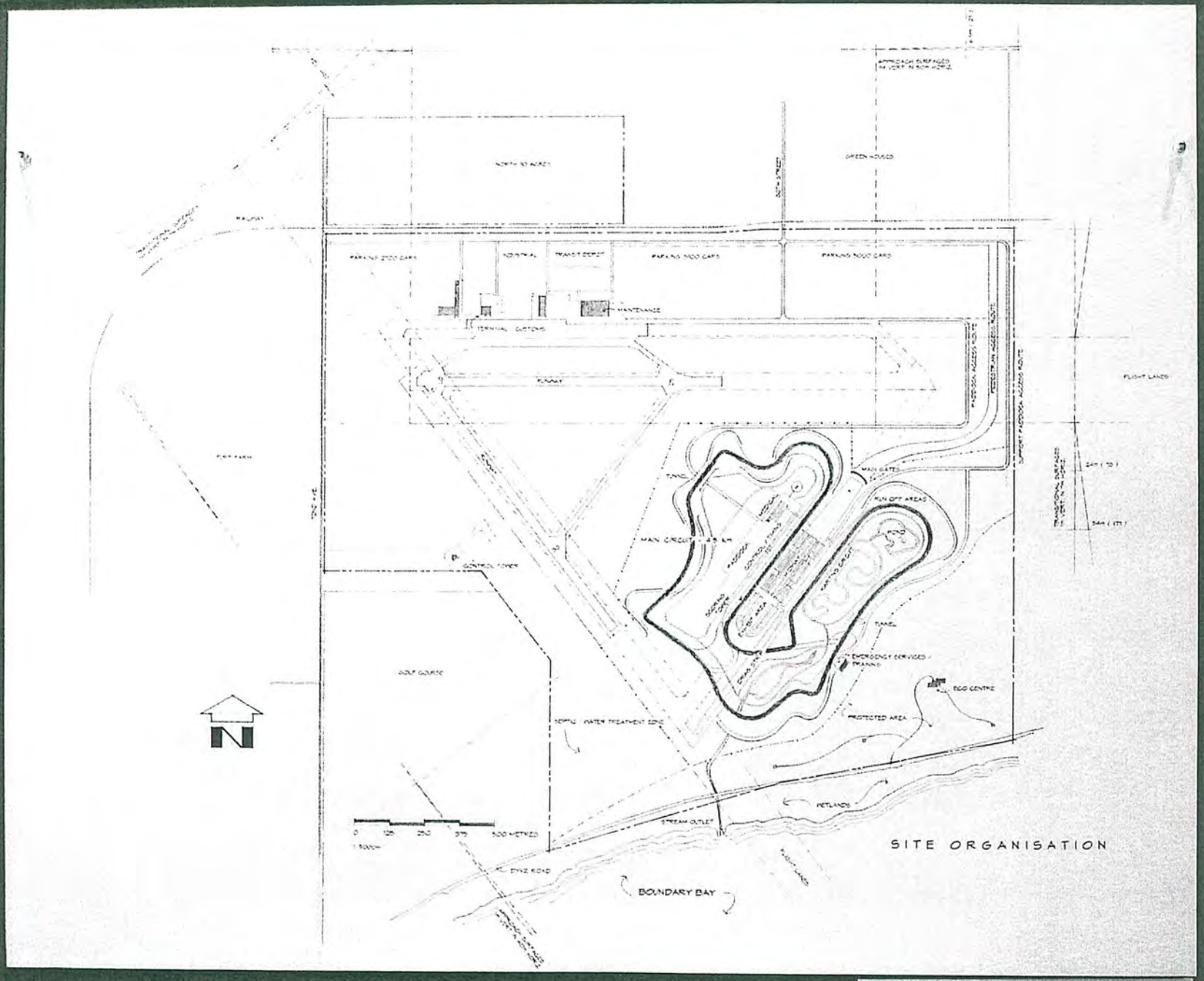
THESIS - D9

MICHAEL COX
#BC790004
MAY 2003




SITE ORGANISATION

WORLD CLASS MOTORSPORT FACILITY

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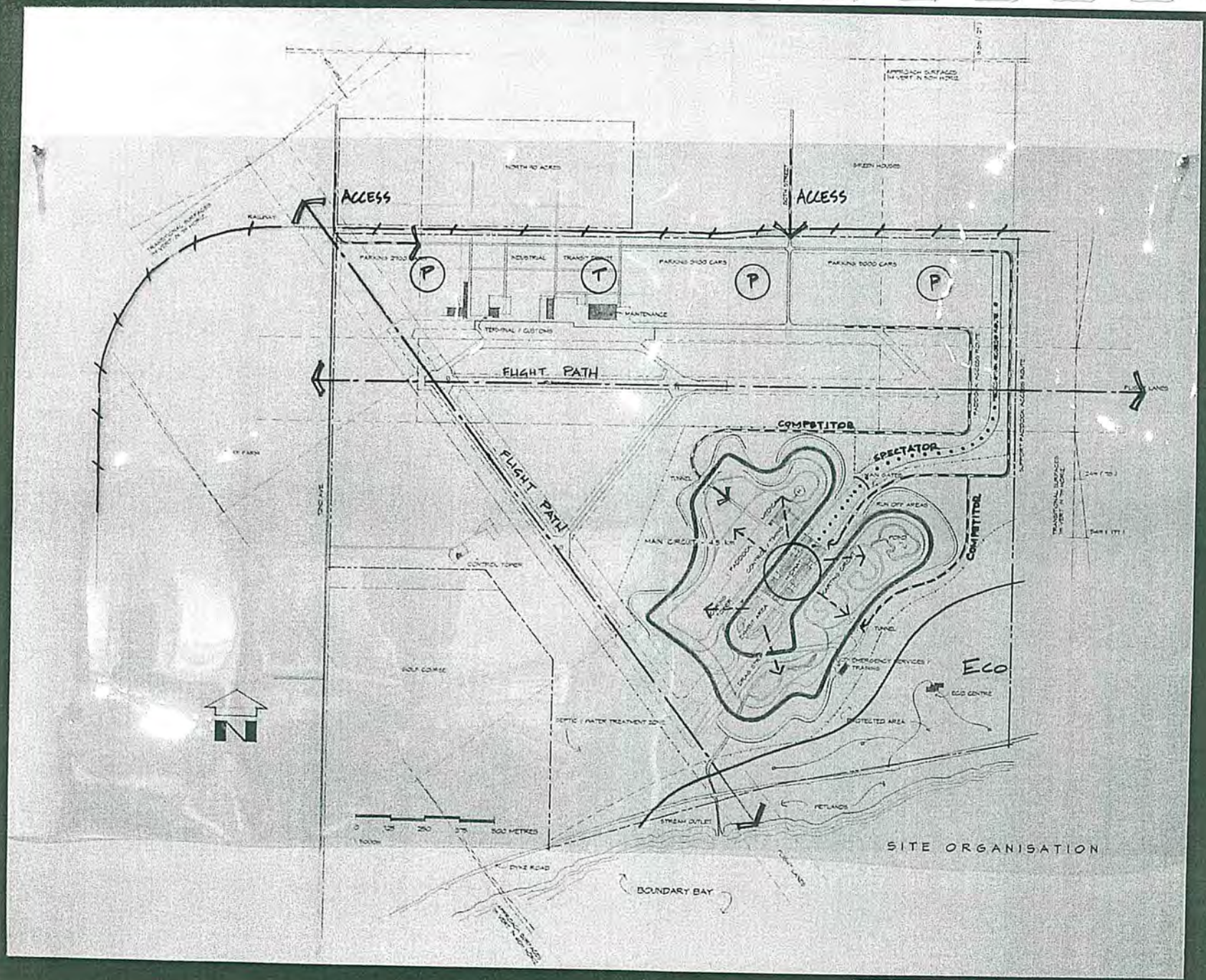


SITE ORGANISATION

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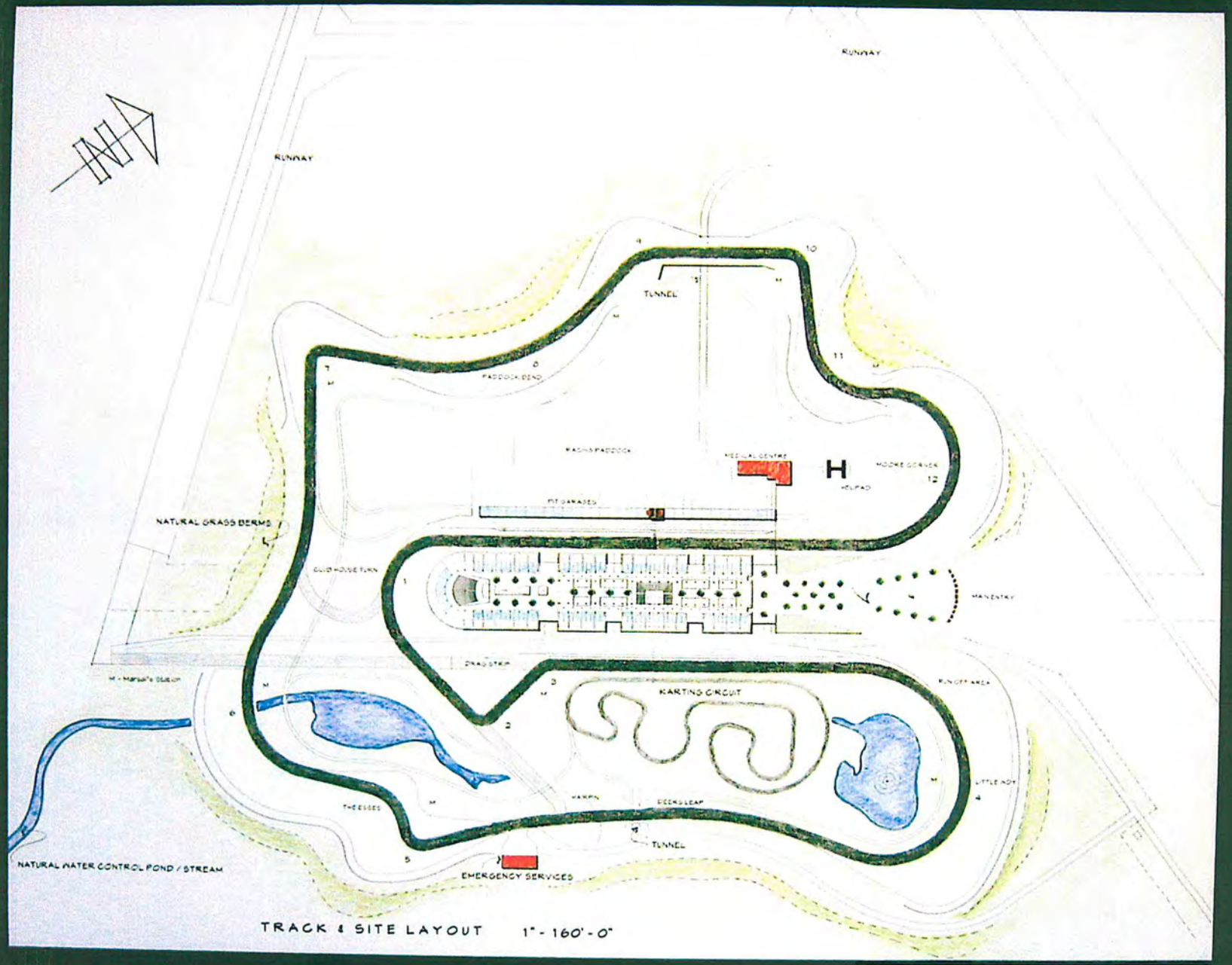


TRACK & SITE LAYOUT

WORLD CLASS MOTOR SPORT FACILITY

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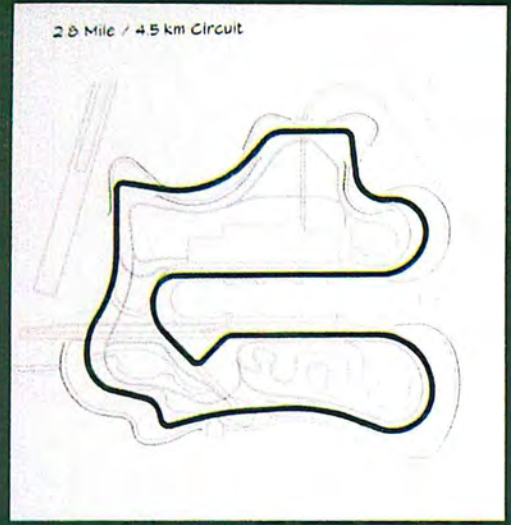
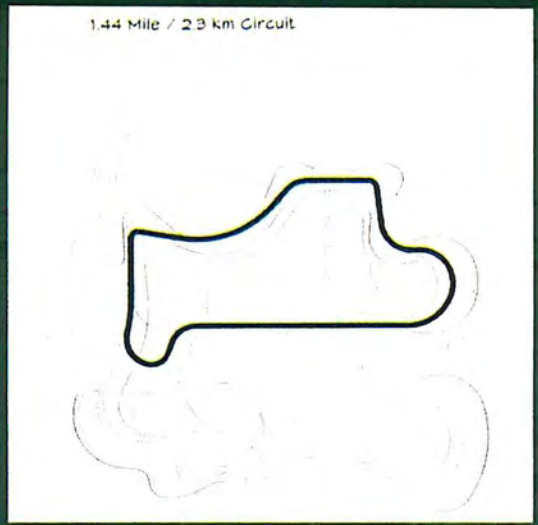
MAY 2001

2.8 Mile / 4.5 km Circuit

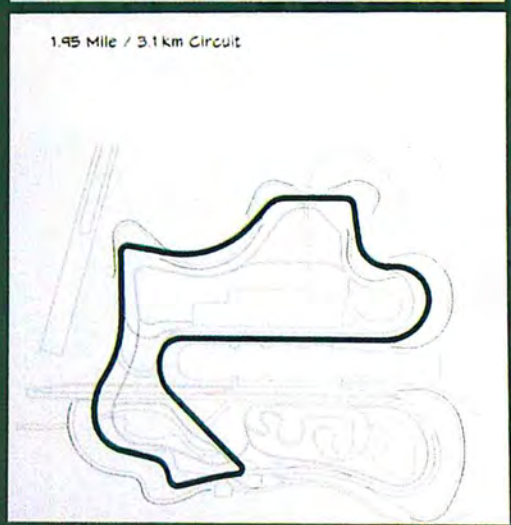


1.44 Mile / 2.3 km Circuit

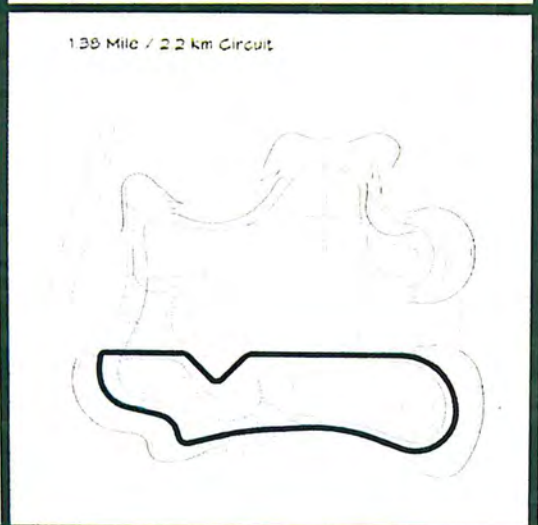


1.67 Mile / 2.7 km Circuit

1.95 Mile / 3.1 km Circuit



1.38 Mile / 2.2 km Circuit



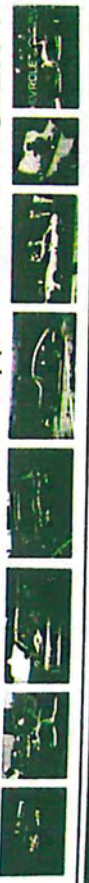
1/4 Mile Drag Strip / Karting / Airshows

POSSIBLE USES-

CHAMP CAR RACING
AMERICAN LEMANS SERIES
TRANS-AM RACING
CASCAR RACING
MOTORCYCLE RACING
SPORTS CAR CLUB OF DC
RACING SCHOOL
PRIVATE TESTING
EMERGENCY SERVICES
AIRSHOWS
ROLLERBLADING ON KART CIRCUIT
TRADE SHOWS/SEMINARS
FORMULA ONE RACING
FORMULA ATLANTIC RACING
NASCAR TRUCK RACING
ENDURANCE RACING
DRAG RACING
MARQUES CLUB RACING
TIRE TESTING-WET/DRY
"STREET" RACING CLUB
CAR/MOTORCYCLE SHOWS
KART RACING
CYCLE RACING
HISTORIC RACING

TRACK VARIATIONS

# WORLD CLASS MOTOR SPORT FACILITY



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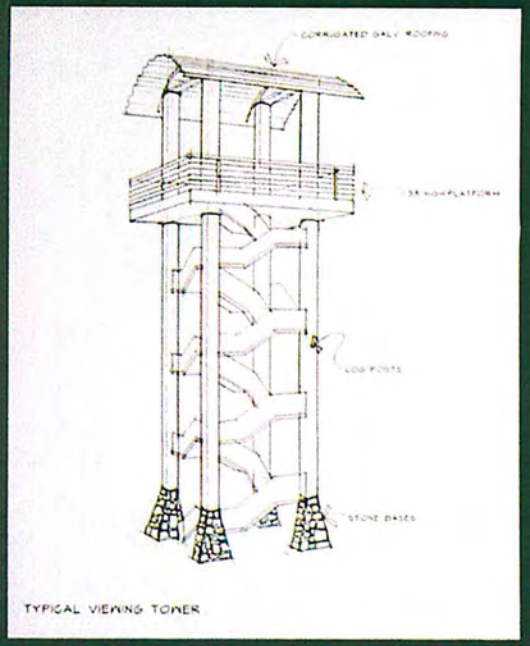
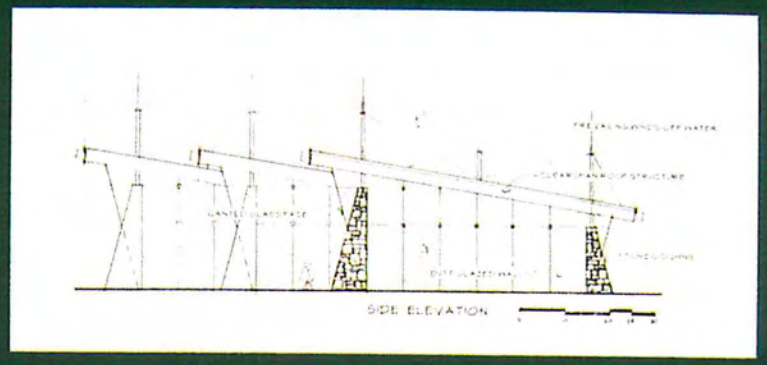
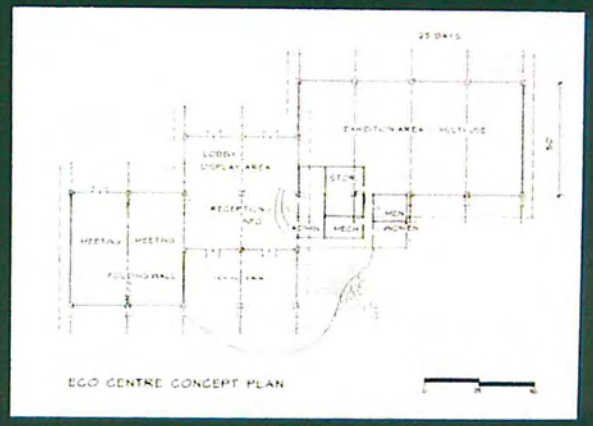
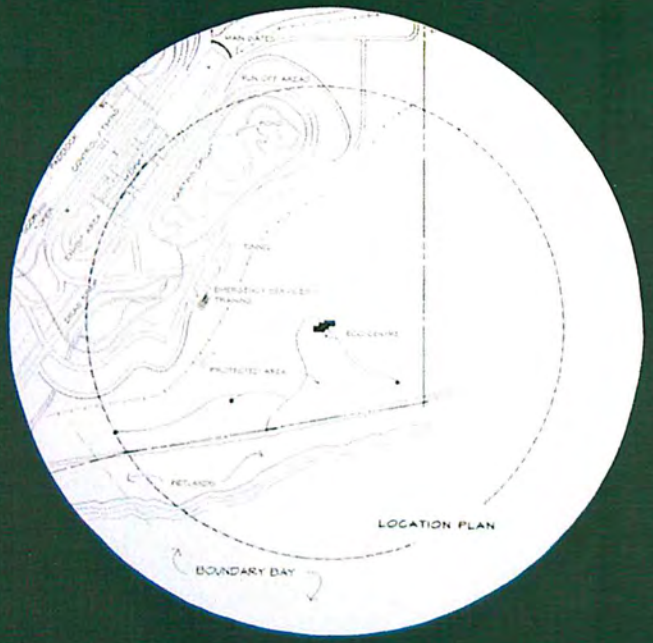



TYPICAL VIEWING TOWER




ECO CENTRE CONCEPT PLAN




LOCATION PLAN

ECO CENTRE CONCEPT

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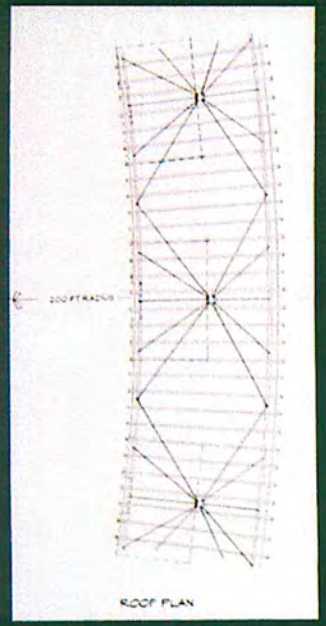

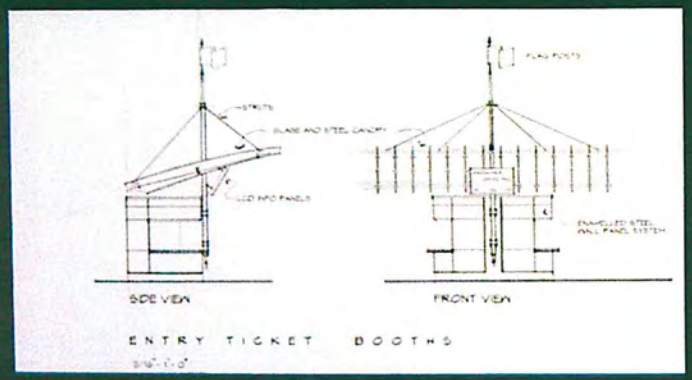


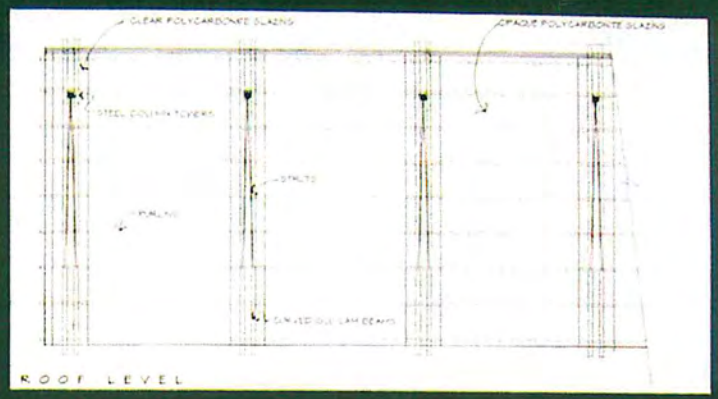


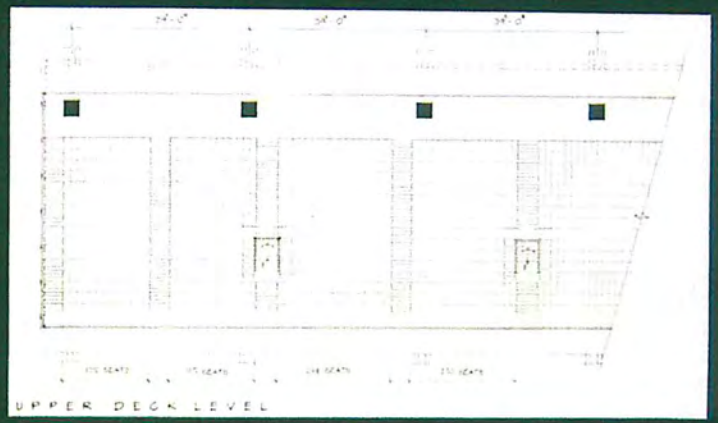


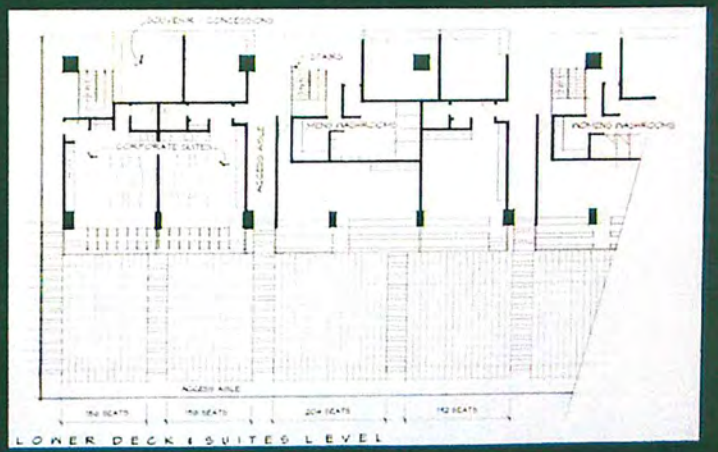


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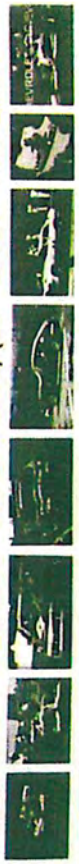

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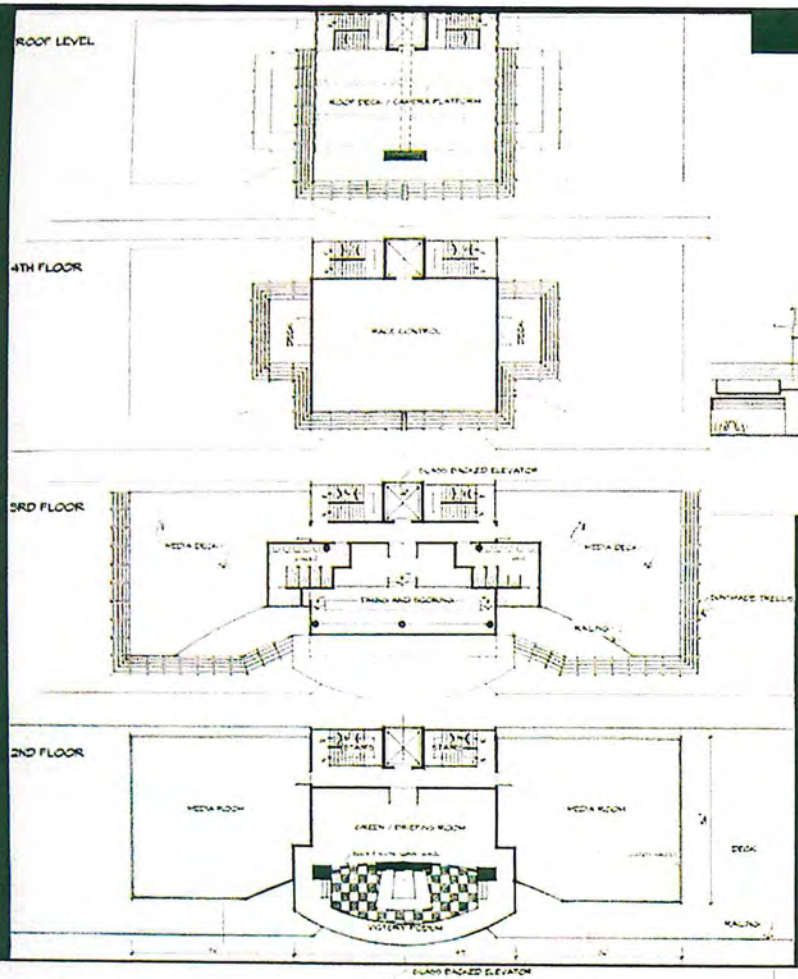
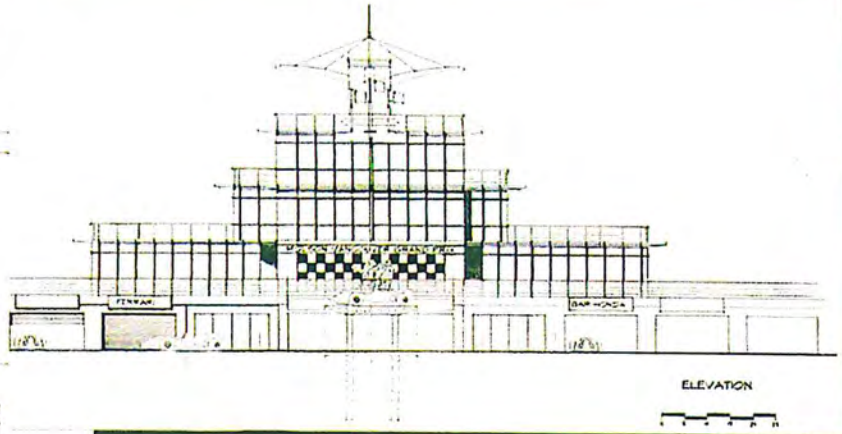
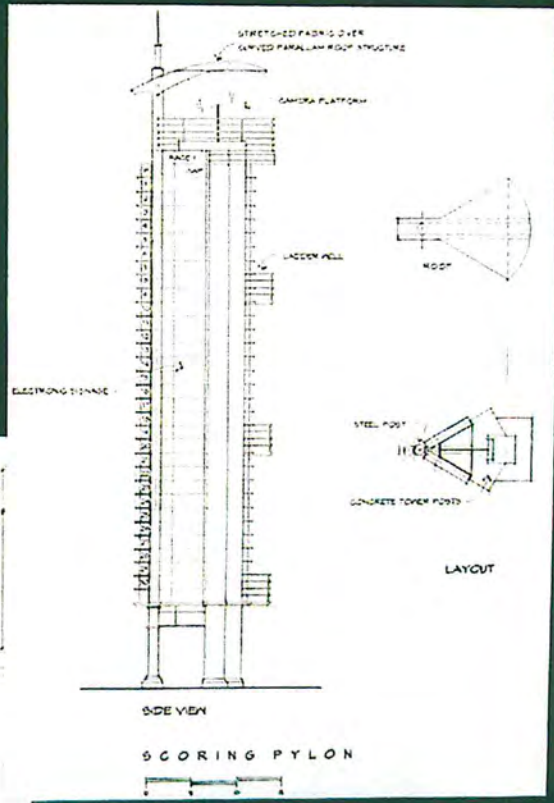
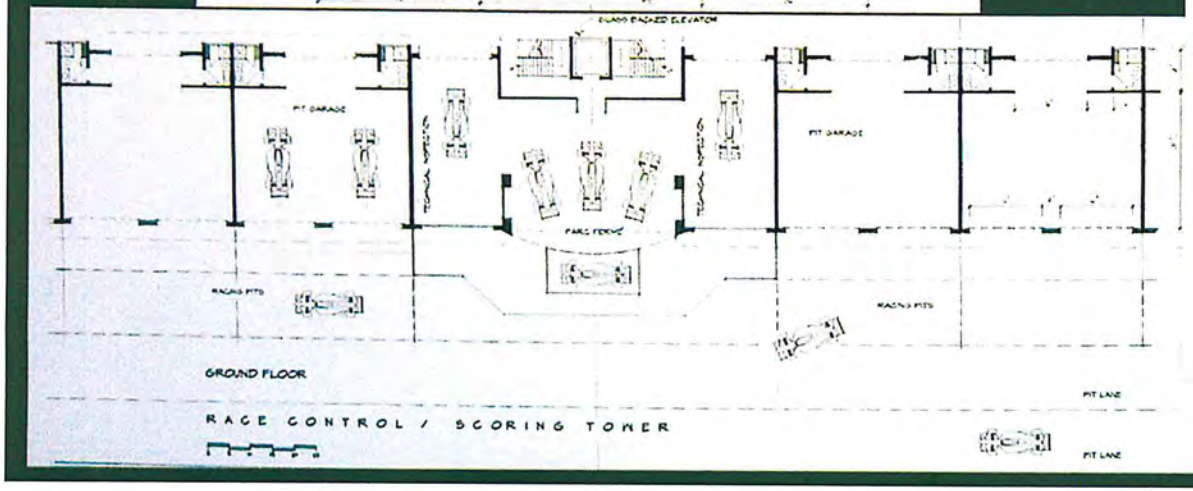


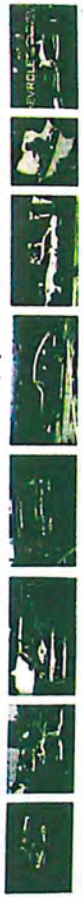




PIT BUILDINGS

WORLD CLASS MOTORSPORT FACILITY



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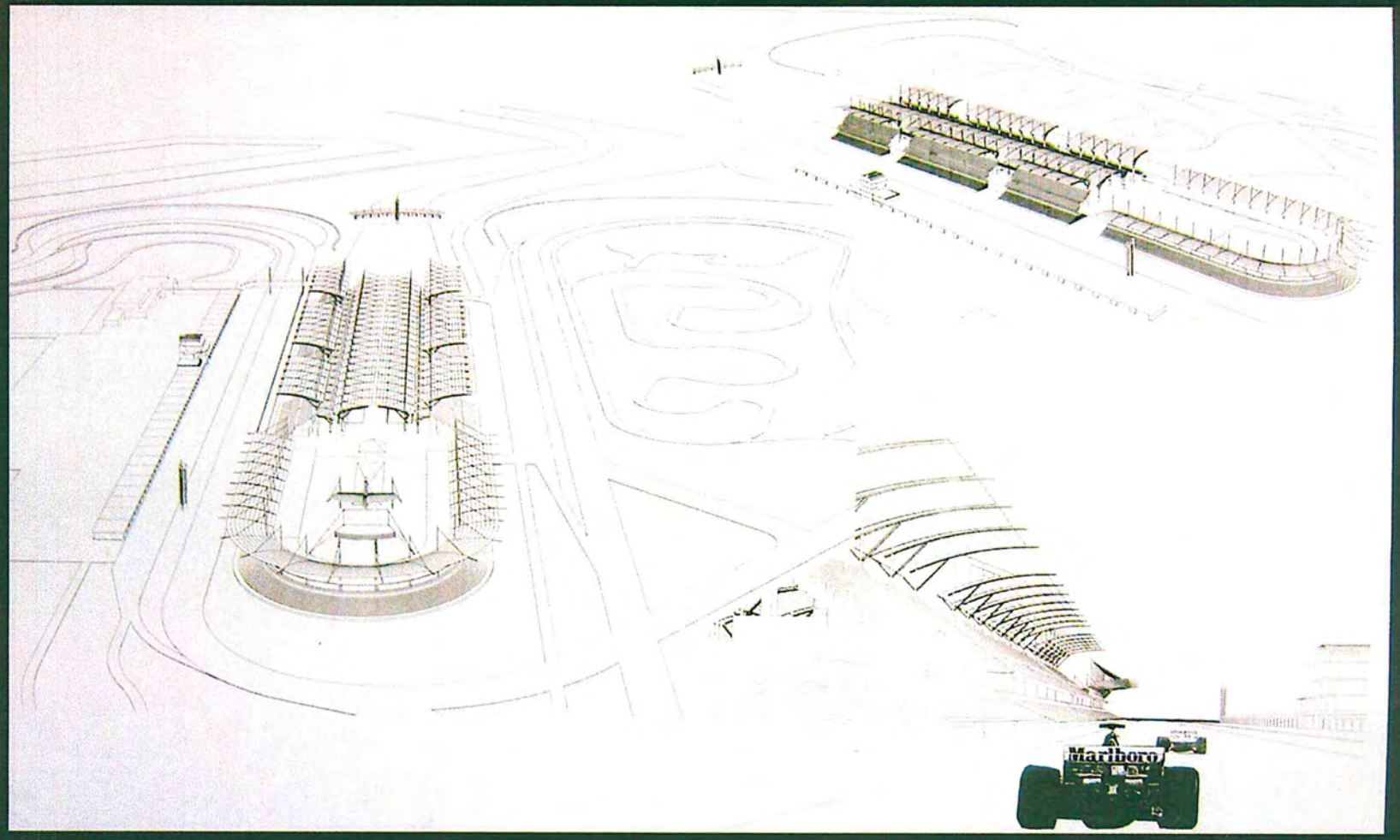


WIREFRAME MODELS

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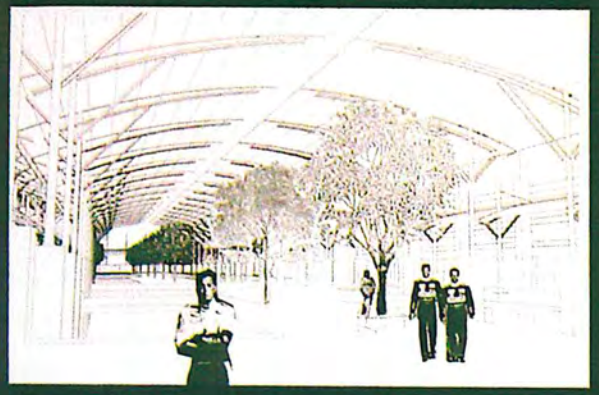
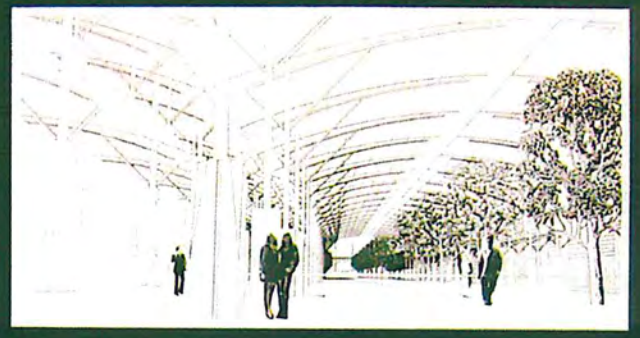
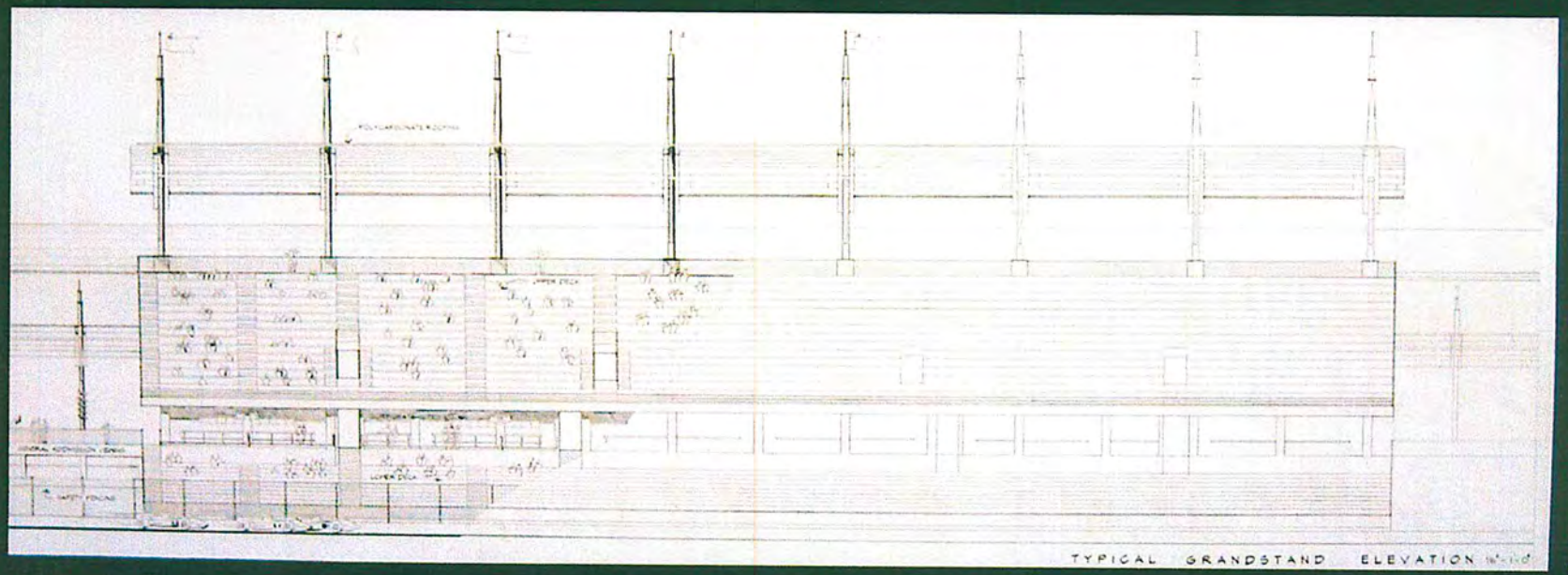


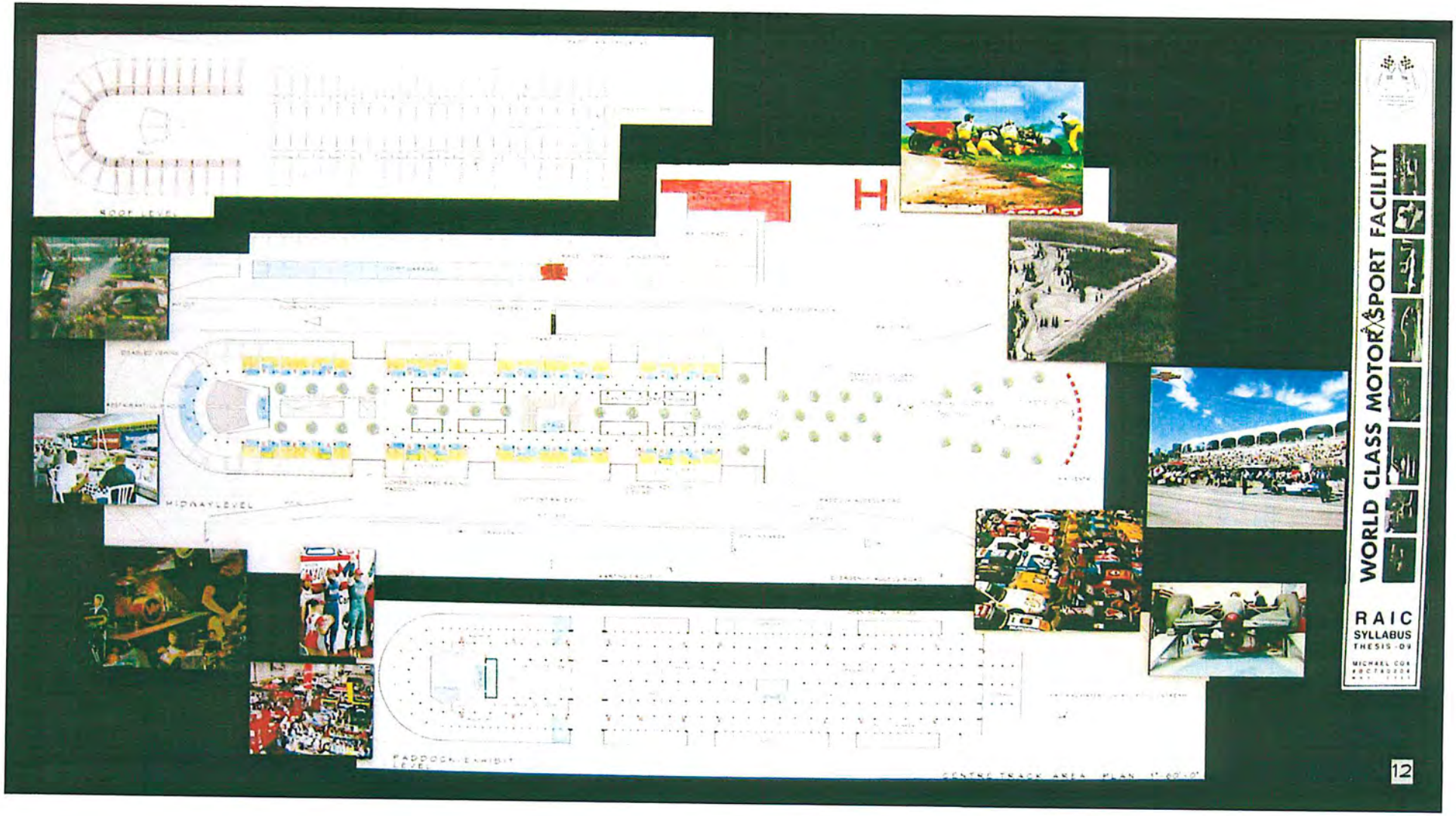


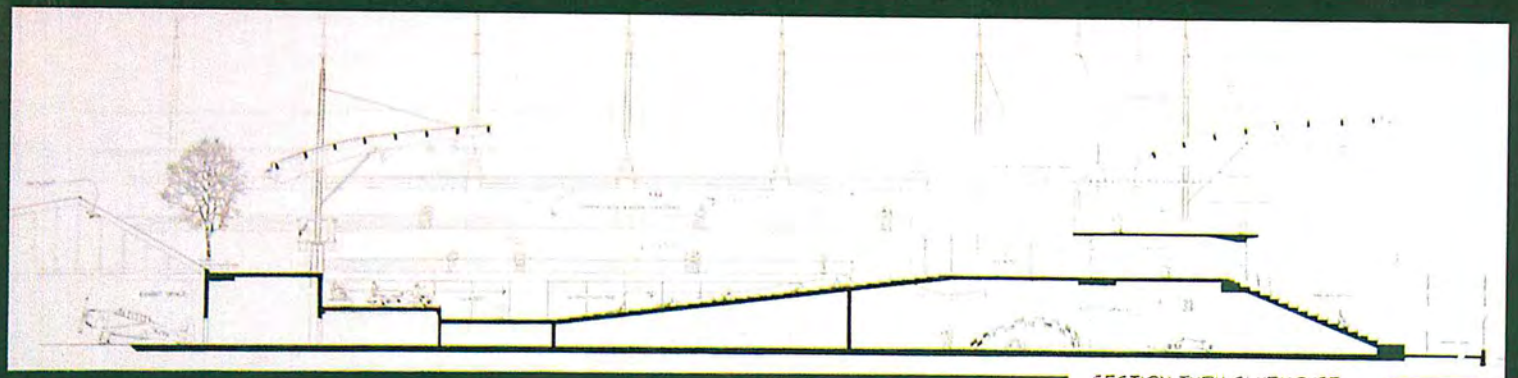



# WORLD CLASS MOTORSPORT FACILITY

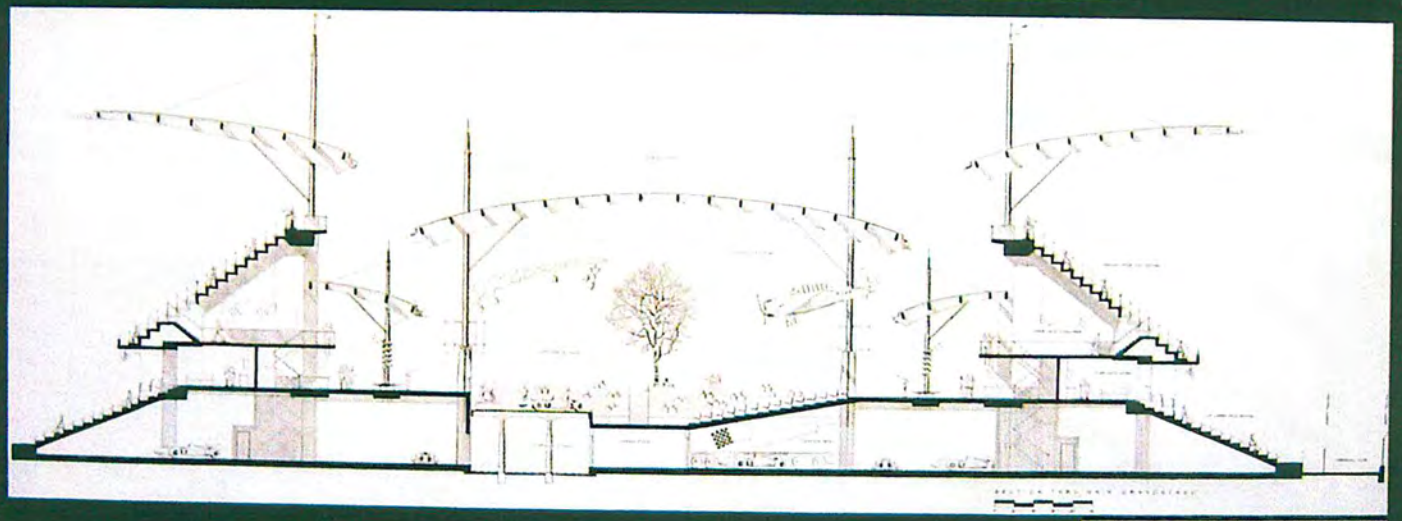
**RAIC**
**SYLLABUS**
**THESIS - D9**

MICHAEL COX
#BC790004


ROOF LEVEL
MIDWAY LEVEL
PADDOCK-EXHIBIT LEVEL
CENTRE TRACK AREA PLAN
WORLD CLASS MOTOR SPORT FACILITY
RAIC
SYLLABUS
THESIS - 09
12



SECTION THRU CLUBHOUSE
GRANDSTAND



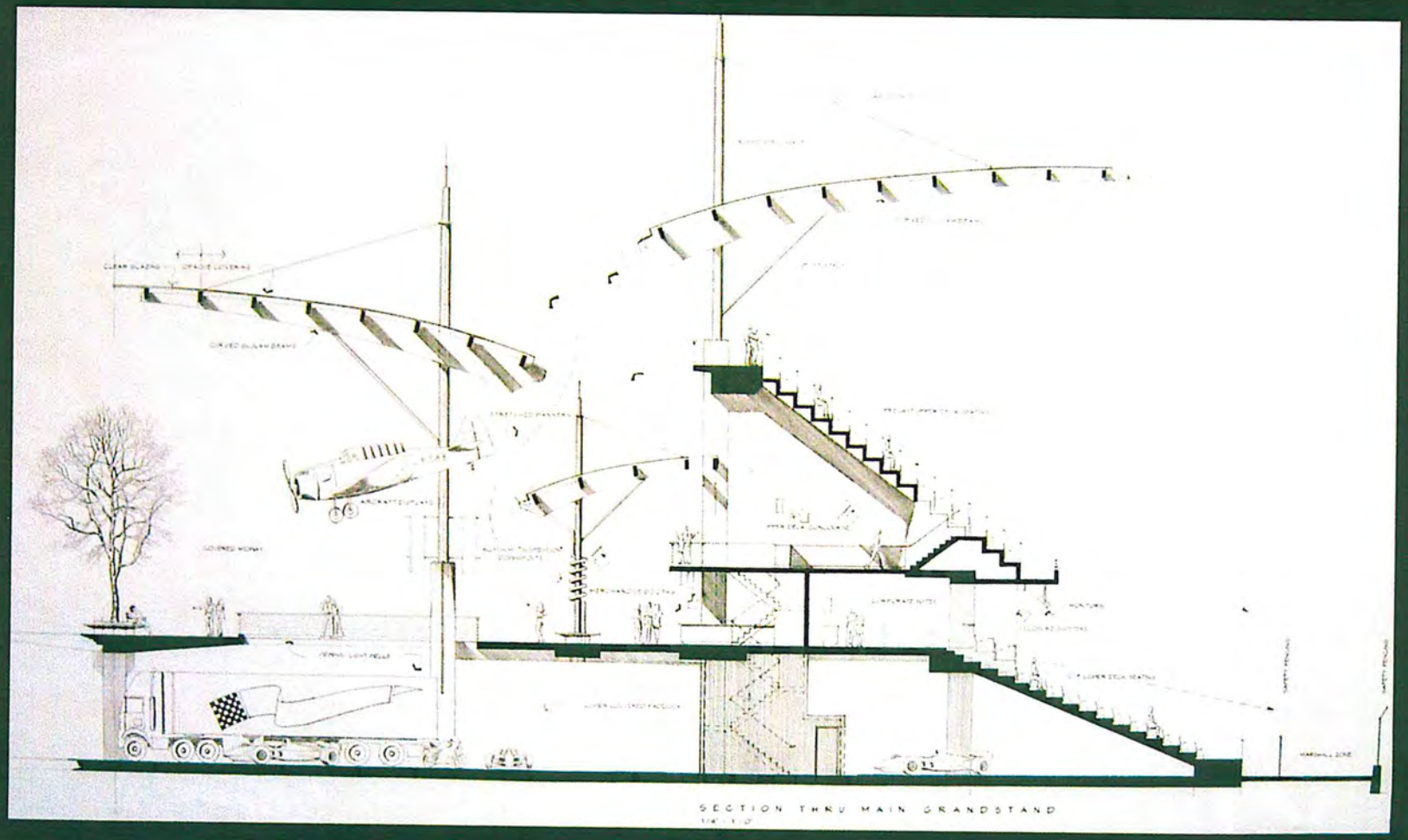
SECTION THRU CENTRE
STAGE/MIDWAY

WORLD CLASS MOTOR SPORT FACILITY

RAIC
SYLLABUS
THESIS - 09

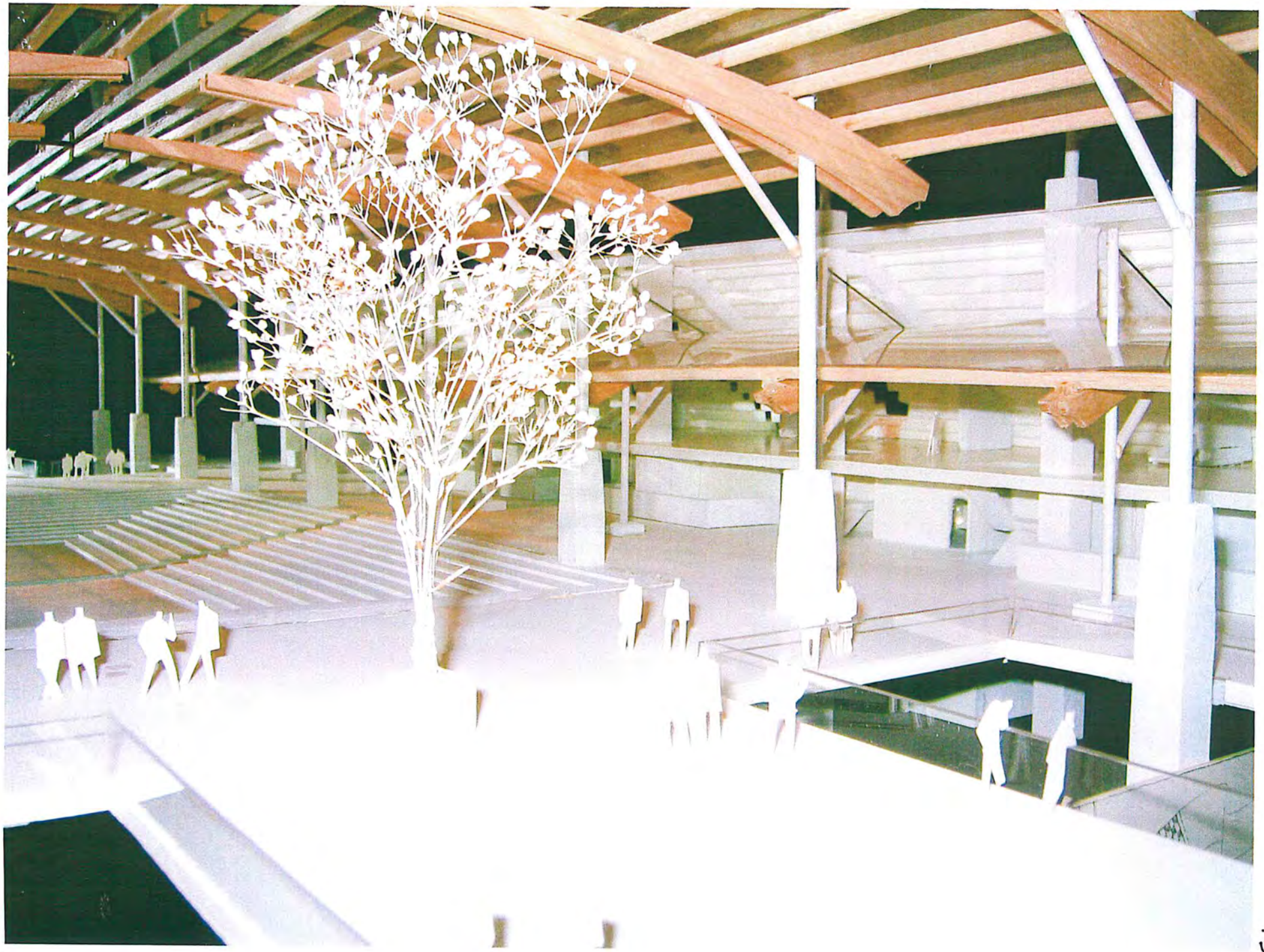
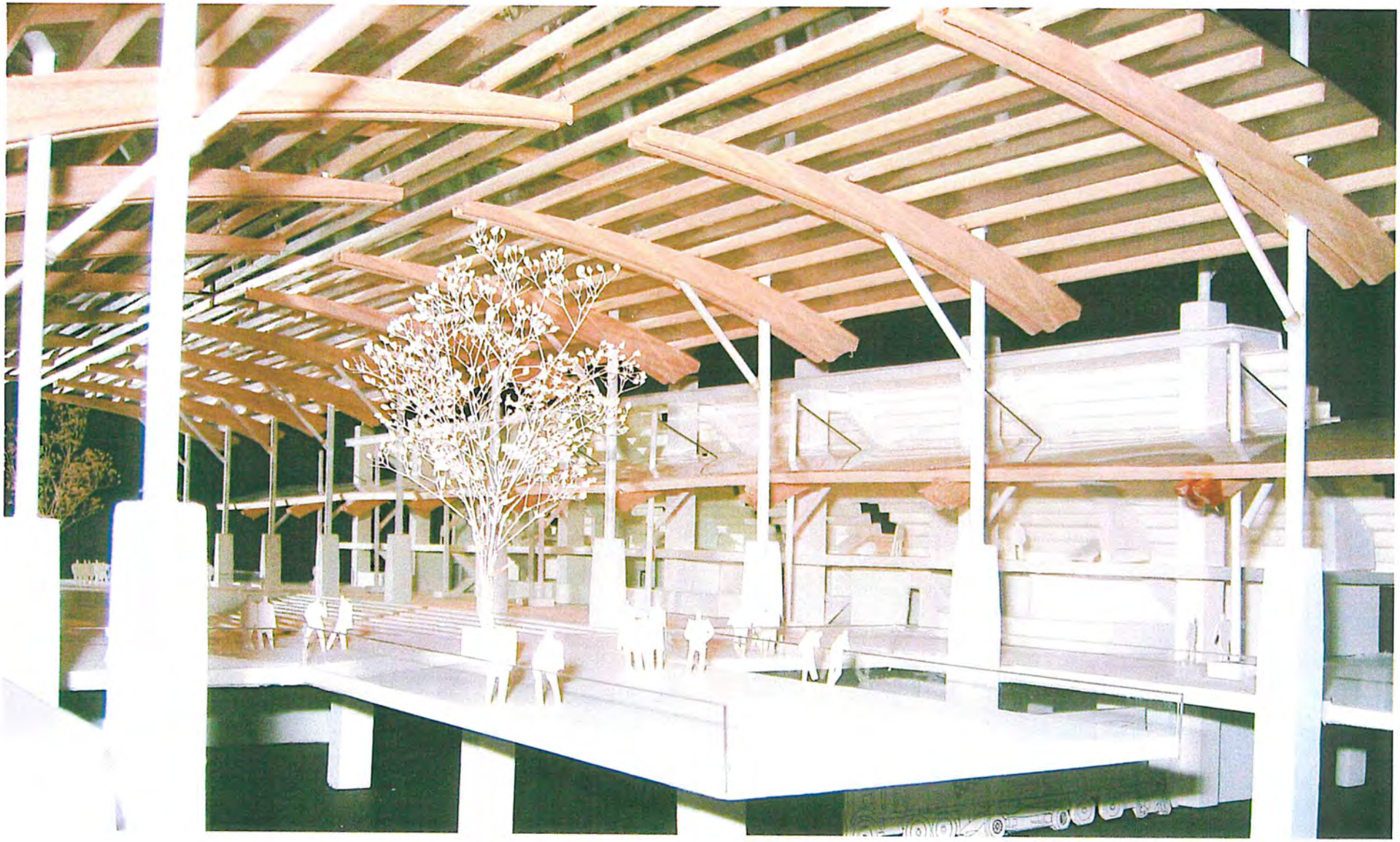
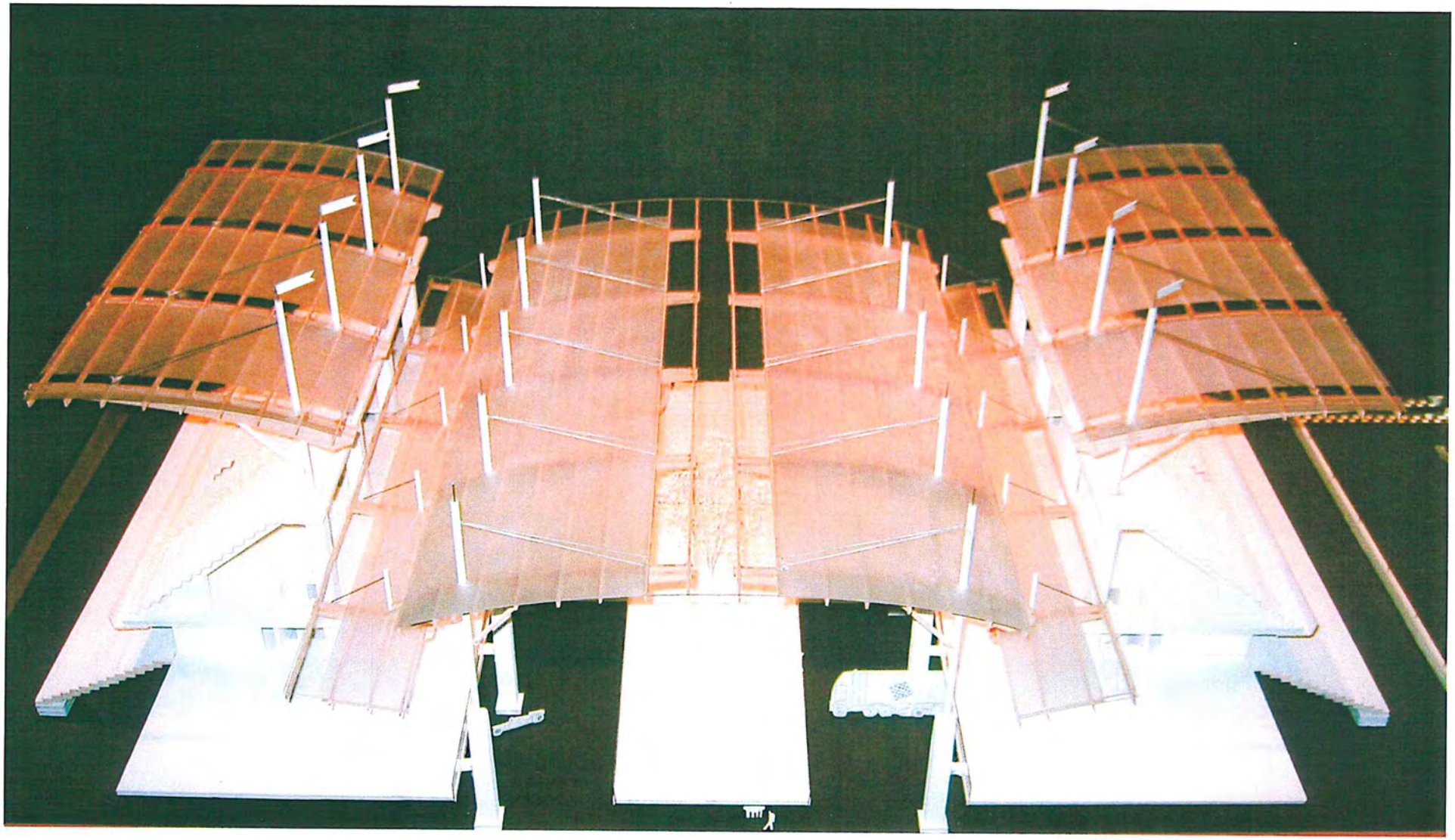
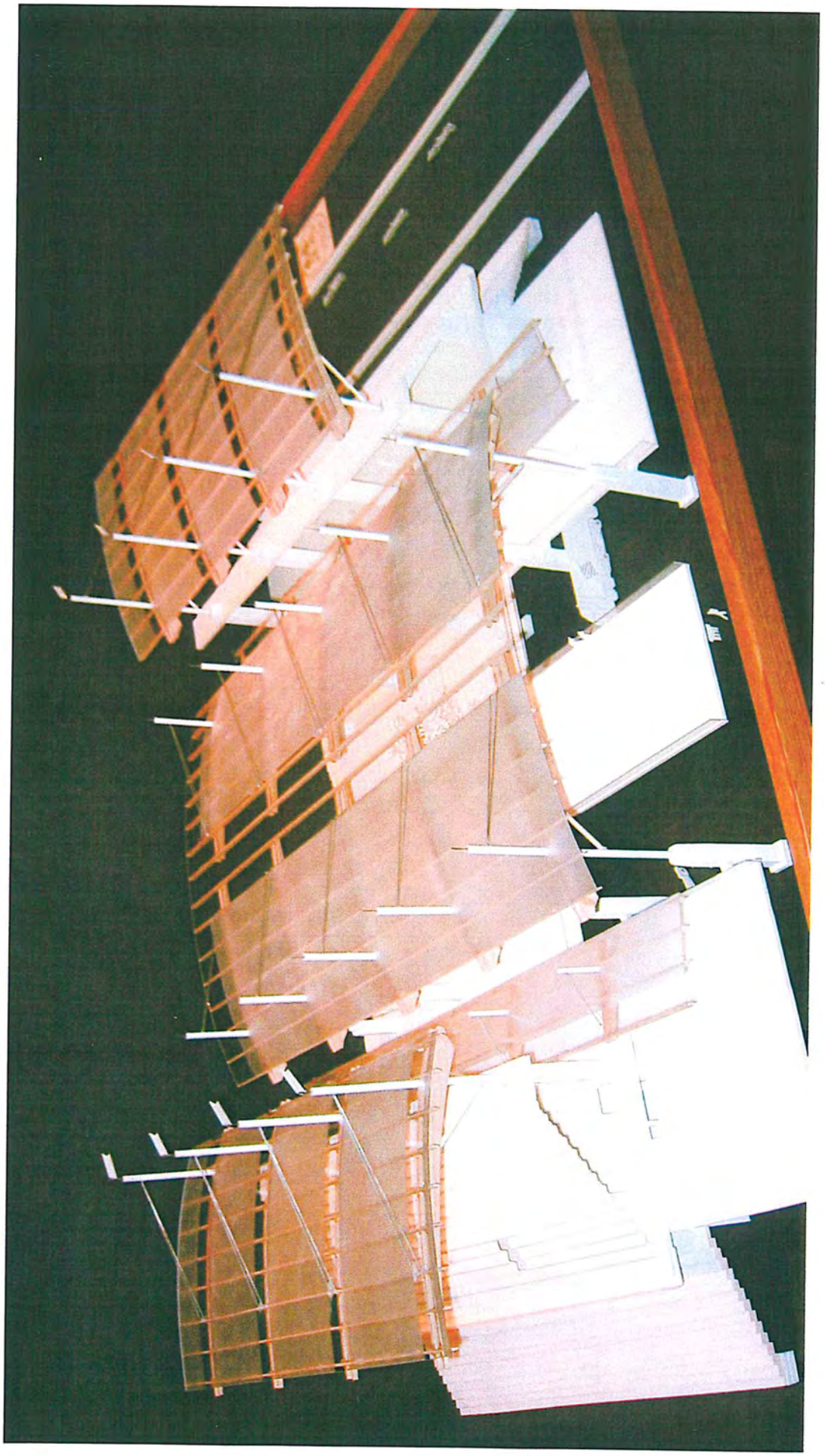
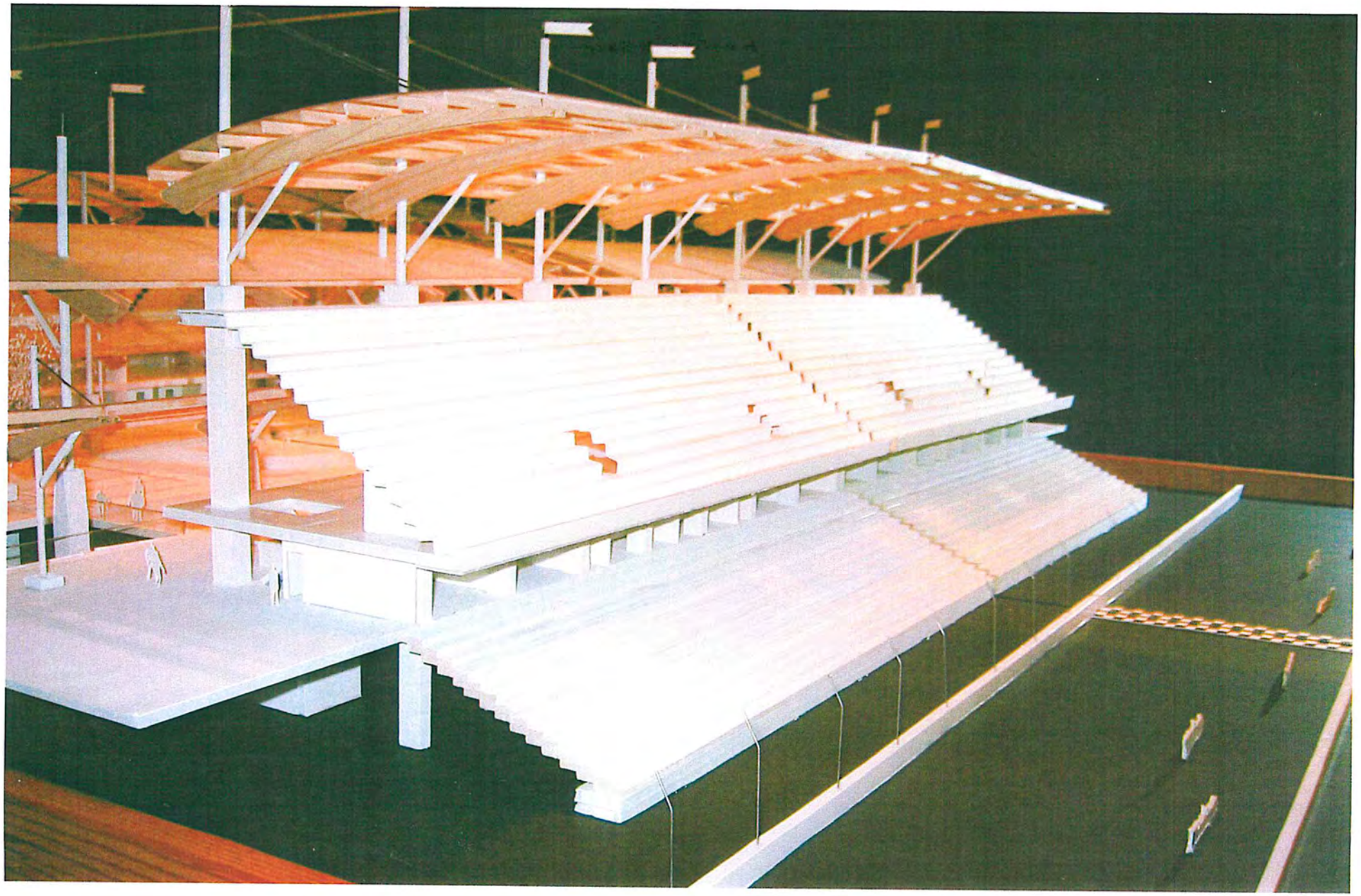
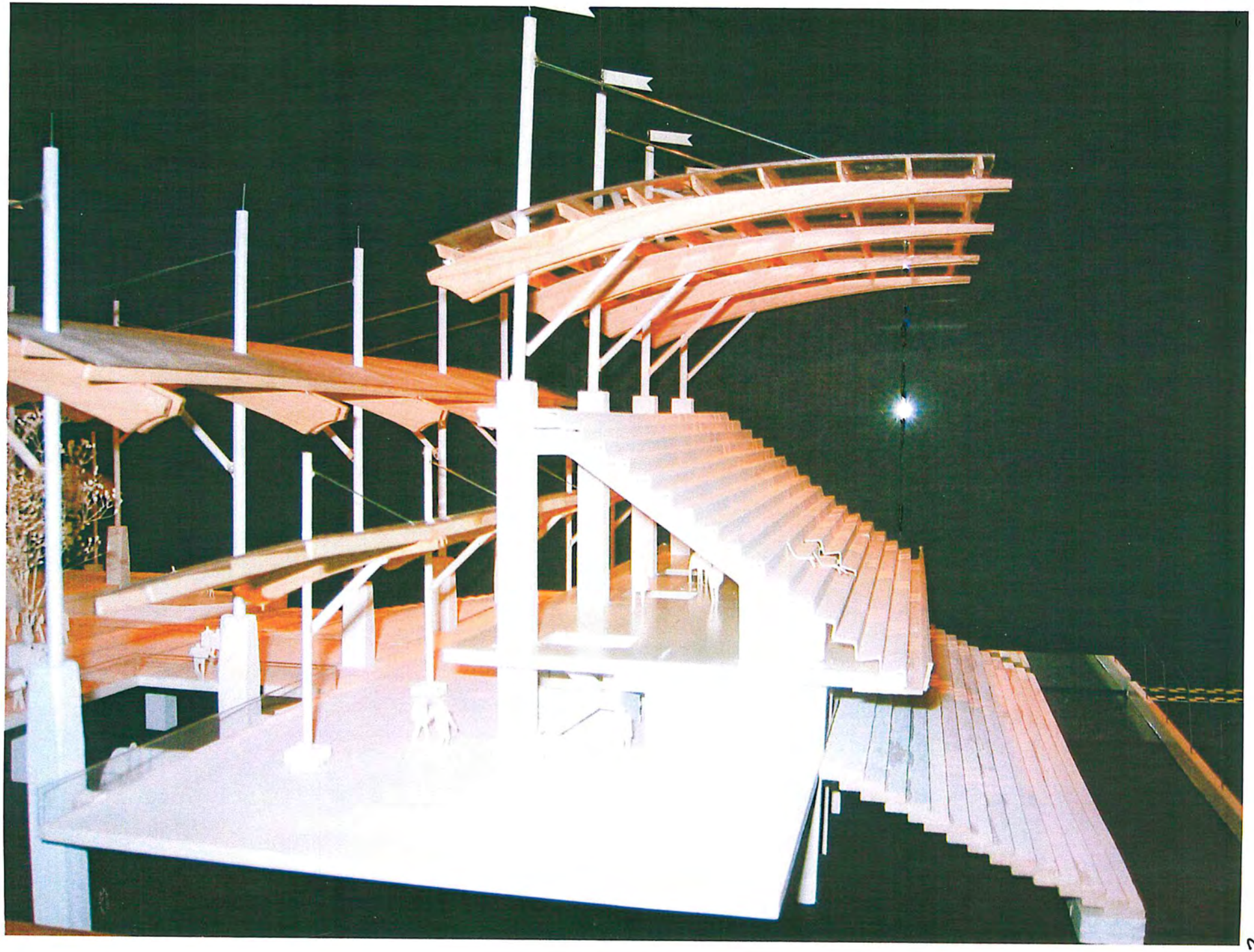
MICHAEL COX
ARCT9029

13




WORLD CLASS MOTOR SPORT FACILITY

RAIC
SYLLABUS
THESIS - 09

MICHAEL COX

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