EXPRESSIONS OF INTEREST

ARCHITECTURAL DESIGN COMPETITION FOR THE NEW BUILDING FOR THE FACULTY OF ARCHITECTURE, BUILDING ADN PLANING

COMPANY:

PRAI(PEARL RIVER ARCHITECTURE DESIGNING INSTITUTE)

ADDRESS:

510060

16FLOOR, ZHUJIANG TOWER EAST WING NO.360 HUANSHIDONG ROAD GUANGZHOU, CHINA POSTAL CODE:

PHONE: +86 20 83842958-863 +86 138 25 15 78 28 +86 20 83767857 E-MAIL: VIC HSB@HOTMAIL.COM

PRAI(PEARL RIVER ARCHITECTURE DESIGNING INSTITUTE) WAS FOUNDED IN 1979. THE INSTI-TUTE IS BASED IN GUANGZHOU, CHINA. OUR INSTI-TUTE HAVE ABOUT 200 ARCHITECTS AND ENGINEERS. WE HAVE FINISHED A LOT OF PROJETS IN MANY CITIES SUCH AS GUANGZHOU, SHANGHAI, BEIJING, MACAD, ETC. SOME OF WHICH ARE THE MOST IMPORTANT PROJECT IN THE CITY, WE ARE SPECIALIZE IN DESIGNING OPERA, LIBRARY, HABI-TATION, STADIUM, ETC. IN THESE 30 YEARS, THE PRAI HAS DELIEVERED TOTALITY 10 MILLION SQ.M. OF BUILDINGS.

WE CONSIDER A BUILDING AS A COMPLEX SYSTEM, NOT JUST THE SHAPE, NOR THE TEXTURE OF THE ENVELOPE. A COMPLEX SYSTEM IS A SYSTEM WHICH IS CONTROLED BY SOME SIMPLE RULES, AND THE CONECTIONS BETWEEN THE "CELLS" ARE COMPLEX. WE ATTEMPT TO FIND THE RULES THROUGH THE REPRESENTATION, THE SHAPE THE FORM OF THE BUILDING SHOULD BE REGULAR, EVEN IF IT LOOKS LIKE IRREGULAR. THE LOGIC OF THE CONSTRUCTION IS THE KEY ELEMENT OF DUR DESIGN.

DUR INSTITUTE HAVE THE CHANCE TO COOPER-ATE WITH MANY OTHER ARCHITECTS IN SOME GRAND PROJETS. FOR EXAMPLE. WE ARE COOR-PERATING WIHT ZAHA HADID IN THE PROJET OPERA OF GUANGZHOU WHICH IS OUTSTANDING IN ITS FORM AND INTERIOR SPACE. WE ARE QUITE EX-PERIENCED IN WORKING WITH THE DTHER SUDIO AND DELIVER THE PROJET WHICH IS DIFFICULT IN CONSTRUCTION.











INTAL OPERA IDUSE OCATION: UHAN, CHINA COMPLETION DATE: 2010 TOTAL FLOOR AREA: 05000 Ma

PROJECTI DUSE LDCATIONS HANGCHUN CHINA OMPLETION DATE: TOTAL FLOOR AREA: 30000 M=

ROJECTI MACAD MULTIFUNCTIONAL STADIUMHANGCHUN LOCATION: MACAD, CHINA COMPLETION DATE: 2005 DTAL FLOOR AREA: 58000 M2

PROJECTI JINZHOU MUBIC CENTRE LOCATION: DALIAN, CHINA COMPETITION DATE! 2008 TOTAL FLOOR AREA: 0000 Mª

RICKET STADIUM FOR

GUANGZHOU, CHINA COMPLETION DATE:

TOTAL FLOOR AREA:

LOCATIONS

5000 Mª

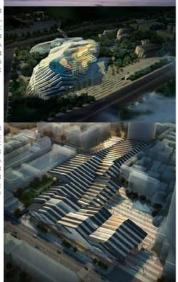
OFFICE BUILDING OF BAIYUN INTERNATIONA CONFERENCE CENTR LOCATION GUANGZHOU, CHINA COMPETITION DATE 2006 TOTAL FLOOR AREA 210000 M2

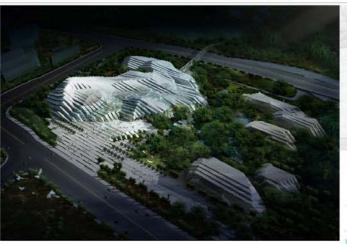
PROJECT THE 16TH ASIAN GAMES MUSEUM DE THE LOCATION GUANGZHOU, CHINA COMPETITION DATE: ZODE TOTAL FLOOR AREA 32200 M











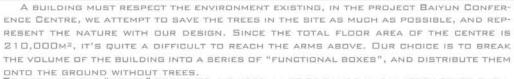
PROJECT:
GUANGZHOU BAIYUN INTERNATIONAL CONFERENCE CENTTRE

LOCATION: GUANGZHOU, CHINA



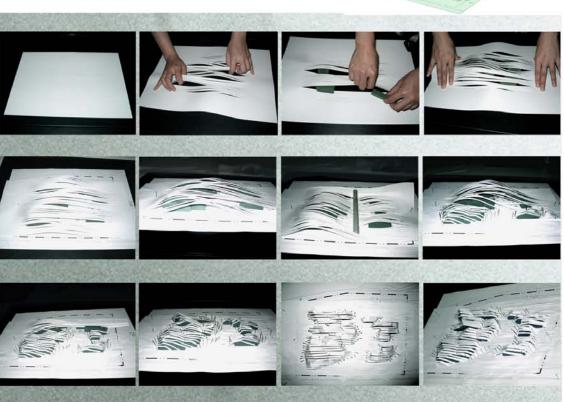
COMPETITION DATE: 2006

TOTAL FLOOR AREA: 214120 M²



TO ORGANIZE THE "BOXES" TOGETHER, WE USED A LOT OF BANDS UNDULATORY COVER THEM, THESE BANDS ALSO COVER SOME OF THE TREES BESIDES THE "BOXES", IN THIS WAY, WE CAN GET A CONTINUE LANDSCAPE FROM EXTERIOR TO INTERIOR. THESE BANDS REPRESENTING THE MOUNTAINS BAIYUN NEAR THE SITE IN THE SAME TIME.

THE TEXTURE OF THE FAÇADE SIMULATED THE SHADOWS OF THE TREES. WE USE THREE KINDS OF MATERIALS WHICH IS ARRANGED CORRESPOND TO THREE ARRAY. IN THIS WAY, THE FAÇADE IS CHANGING GRADATIONALLY FROM OPAQUE TO TRANSPARENCY ACCORDING TO THE REQUIREMENT OF THE NATURAL LIGHT BY THE DIFFERENT INDOOR SPACE, AND IN THE SAME TIME, THE FAÇADE REPRESENT THE SHADOW OF THE TREES.







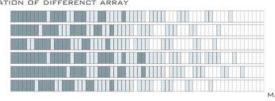
ALUMINIUM PANEL 5 4 3 2 1

TRANSLUCENT GLASS 7 2 3 4 5 4 3 2 1

TRANSPARENCY GLASS 7 2 3 4 5



A COMBINATION OF DIFFERENCT ARRAY





SHADOW ON THE GROUND

MATRIX OF SHADOW

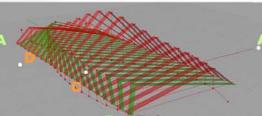


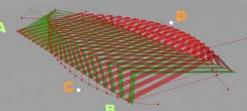
COMPETITION: MUSEUM OF PALACE NANYUE LOCATION: GUANGZHOU, CHINA DATE: 2008.11 TOTAL FLOOR AREA:

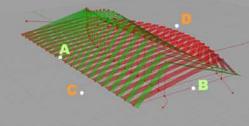












PARAMETRIC DESIGN

AS WE MENTIONED IN THE INTRODUCTION, CURRENTLY THE PARAMETRIC DESIGN IS THE MOST IMPORTANT METHOD FOR DUR WORKS. WE USED TO RHINO+RHINOSCRIPTING+GRASSHOPPER AS THE SOFTWARE FOR CONCEPTUAL WORKS. AND WE ALSO USE MICROSTATION+GENRATIVE COMPONENTS TO DEVELOP THE PROJECTS. WE ARE USING THEM TO FINDING FORMS, CREATING THE TEXTURE OF FAÇADE, AND WE ARE TRYING TO USE THEM TO ORGANIZE THE ARCHITECTURE SYSTEM.

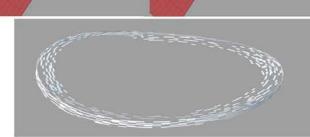
IN THE EXAMPLE ABOVE, WE DO THE WORK OF FORM FINDING OF A ROOF IN THE PROJECT OF MUSEUM OF PALACE NANYUE WITH THE PARAMETRIC METHOD. WE USED 4 POINTS TO

CONTROL TWO SERIES OF UNDULATORY BANDS, POINT A AND B CONTROLS THE GREEN SERIES, SO POINT C AND D CONTROLS THE RED ONE. THE POSITION OF THE POINT DETERMINE THE POSITION OF THE WAVE CREST AND ITS HIGHT.TROL TWO SERIES OF UNDULATORY BANDS, POINT A AND B CONTROLS THE GREEN SERIES, SO POINT C AND D CONTROLS THE RED ONE. THE POSITION OF THE POINT DETERMINE THE POSITION OF THE WAVE CREST AND ITS HIGHT.

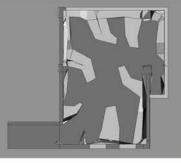
AND IN THE EXAMPLE BELOW, WE ARE USING THE RHINOSCRIPTING TO CREATE THE TEXTURE OF THE FAÇADE OF THE CRICKET STADIUM WHICH IS COMPOSED BY A LOTS OF RANDOM RIBBON ALONG THE SURFACE.

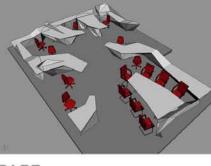


PROJECT: CRICKET STADIUM FOR THE 16TH ASIAN GAMES LOCATION: BUANGZHOU, CHINA COMPLETION DATE: TOTAL FLOOR AREA: 5000 M²









PROJECT:
INTERION OF OUR
A R C H I T E C T U R E
STUDIO AT 1 ZFLOOR
LOCATION:
GUANGZHOU, CHINA
COMPLETION DATE:
2006
TOTAL FLOOR AREA:
60 M²

THE STUDY OF THE POSSIBILITIES TO JOINT THE DESKS AND THE SPACE, THE DIFFERENT WAYS OF DISPOSAL CONTAIN DIFFERENT NUMBERS OF STAFF INSIDE.

WORK SPACE WHERE THE IDEA COMES FROM

WE MUST REINVENTED THE OFFICE SPACE TO MEET THE REQUIREMENT OF THE DESIGNERS, ARCHITECTURES WHO ARE CREATING SOMETHING . THE ENVIRONMENT INFLUENCE HOW THEY ARE WORKING, THAT'S WHERE THE IDEAS COME FROM.

COMPARE TO THE "PROCESS WORK", TO WHICH THE WORK PROCEDURE IS IMPORTANT, THE "CREATING WORK" NEEDS THE SPIRIT OF COOPERATION, INITIATIVE AND ADVENTURE. THESE MUST BE ENCOURAGED BY THE WORKING SPACE.

THERE IS NO CLEARLY BORDERLINE BETWEEN THE CEILING, THE WALL, THE DESK AND THE BED. THEY HAVE BEEN MERGED INTO ONE CONTINUE SURFACE WHICH IS COMPOSED BY TRIANGLES. THE STUDIO LOOKS LIKE A "CAVE". THE DESIGN OF WORKING SPACE CAN REMOVE THE BOUNDARIES OF THE AREAS OF EACH STAFF, AND THERE IS NO UNITIVE ORIENTATION WHICH MAKE THE OFFICE LOOKS BORING. THE COMMUNICATION BETWEEN THE ARCHITECTS ARE ACTIVE HERE, THE STUDIO JUST LIKE A BRAINSTORM ROOM.

THE PROCESS OF CONSTRUCTION







PROJECT:
PROJECT STUDY
THE LIBRARY OF THE
UNIVERSITY XINHUA

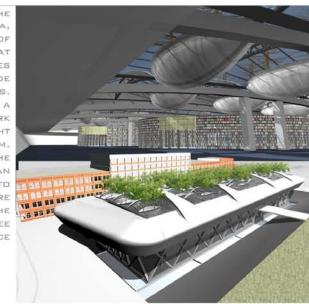
HEFEI, CHINA

DATE: 2007

TOTAL FLOOR AREA:

IN THE PROJECT STUDYING OF THE LIBRARY OF THE UNIVERSITY XINHUA, WE HAVE DESIGNED A NATURE ROOF SUN-SHADE SYSTEM. WE FIND THAT THE GROWTH CYCLE OF THE LEAVES MEETS WELL WITH THE SUN-SHADE REQUIREMENT OF HUMAN ACTIVITIES. SO WE HAVE TRIED TO DESIGN A ROOF GARDEN, THE TREES WORK TOGETHER WITH THE SKYLIGHT BUILDUP A NATURE CHANGE SYSTEM. THIS SYSTEM WORKS BETTER IN THE MIDDLE-LATITUDE AREA, AND WE DAN CHOSE THE PLANT ACCORDING TO THE REGION. THREE PARAMETERS ARE IMPORTANT, THE HEIGHT OF THE PLANT(H), THE RADIUS OF THE TREE CROWN(L), AND THE DISTANCE BETWEEN THE TREES(D).

SUMMER





LOVELY GREEN THE YOUNG LEAVES COME OUT FROM THE BRANCH

SUMMER

DARK GREEN THE LEAVES GROWING LUXURIANTLY THEY DAN SHADOW THE SPACES BELOW

AUTUMN

BRILLIANT YELLOW THE MOST BEAUTIFUL DAYS IN THE YEAR

WINTER

THE LEAVES HAVE FALLEN, SUNSHINE CAN GET INTO THE SPACES BELOW THROUGH THE NULL BRANCHES

