

NATIONAL SPORTS CENTER OF LA DEFENSE

ARCHITECT: PHILIPPE BARTHÉLÉMY & SYLVIA GRIÑO ARCHITECTS



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For the last 50 years, at the edge of the forest of Fontainebleau, the «National sports center of la defense» has housed the full range of sports training of the French military. The uncoordinated layout of the site, the dispersion of infrastructures that have become obsolete and the determination to open this military sports complex to sporting members of civil society to guarantee to all, the possibility of practicing sports at a high level in an exceptional location led the Ministry of Defense to undertake an ambitious project to redevelop the entire site. The spatial reorganization is carried out in 3 phases.

1) Cleaning, calming and clarifying the campus in order to reduce the footprint of the built

environment and reorganize the reserves of landscaped property to restore the ambiance of a clearing, an atmosphere of being in the heart of the forest, by restoring the maximum amount of surface area to the forest.

2) Structure the site thanks to a new urban framework from the entrance all the way to the sports plateau serving all the facilities. Two new places charged with powerful symbolism - the Place d'Armes and the Esplanade des Sports - connected by a pedestrian mall linking the features of the site and organizing its circulations.

3) Qualify the new sequence by inserting light buildings, whose lines echo the forested

character of the campus. Gentle and peaceful yet decidedly contemporary architecture, whose variations are expressed through the reference material, i.e., wood.

Two new sports halls rise along the edges of the sports esplanade. The pool or swimming hall, with a 50 m pool, a dojo and a restaurant, stands in alignment with the housing units while the athletics hall closes off the esplanade. The two halls are similar in conception. A vast roof with two slopes with a constellation of lanterns overhanging the gables to form an awning and curve back in long swathes to cover the façades of the 1st floor while the façades of the ground floors are all clad in glass overlooking the various sports activities

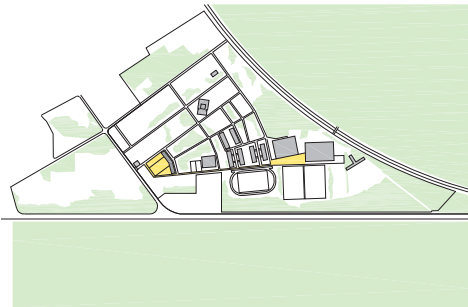
in the forest, while detaching the halls from the ground.

Written by philippe barthélémy & sylvia griño architects

Location Fontainebleau, France **Use** Olympic swimming pool, Dojos, Fitness and gymnastics rooms, Athletics track, Locker rooms, Restaurant **Site area** Campus 400,000m² **Floor area** Swimming hall_7200m², Athletic hall_7000m²
Structure Steel frame - length 54m for the athletics hall **Exterior finish** Wood, Glass curtain wall **Design period** 2011 ~ 2012 **Construction period** 2012 ~ 2015 **Structural engineering** TESS **Energy supplies engineer** SNC Lavalin **Photographer** Arnaud Schelstraete **Editorial design** Shin Min-Ki **Editor** Yoon Seon-Min



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SITE PLAN



Fontainebleau) 숲 언저리에 위치한 (라 데팡스 국립체육센터)는 지난 50년 동안 프랑스 군 전용 종합 스포츠 훈련 시설로 사용되어 왔다. 조정이 필요한 대지와 분산 배치된 낡은 기반 설비 상황을 개선하고 군용 스포츠 시설을 개방해 운동을 즐기는 시민들이 훌륭한 환경 속에서 수준 높은 스포츠 활동을 누릴 수 있도록 하고자 국방부는 전체 시설에 대한 재개발 프로젝트를 계획하게 되었다.

재개발 프로젝트는 3단계로 진행되었다.

1) 청소, 정비 및 구획으로 부지 내 동선 환경을 줄이고, 숲이 드러나는 면을 극대화시켜 자연 공원들을 재구성해 청정 환경을 회복하고 숲의 존재감을 부각하였다.

2) 입구에서부터 중심 스포츠 시설까지 이어져 모든 시설들을 연계해주는 도시형 연결망을 구축했다. 신설된 다름 광장(the Place d'Armes)과 스포츠 광장(the Esplanade des Sports)에는 강렬한 상징성을 부여하여 이들과 이어진 보행자 전용 도로는 각 시설들로

연계된 동선을 확보하였다.

3) 주변 숲에 대응하여 선이 돋보이는 경량구조 건축물을 도입해 공간 맥락을 확장시켰다. 점잖고 온화한 현대적인 건축물은 목재 등의 기본 소재를 통해 다양한 모습을 드러냈다. 두 채의 스포츠동은 스포츠 광장 끝자락에 세워졌다. 50m 수영장이 있는 수영장 홀과, 라운지 및 레스토랑을 갖춘 수영장동은 주거동과 나란히 서있고, 선수동은 광장으로 인해 분리된 곳에 자리하고 있다. 두 스포츠동은 서로 비슷한 모습으로 설계되었다. 넓게 펼쳐진 지붕은 채광창들이 있는 두 경사면으로 구성되어 있다. 내물림 지붕 구조는 차양 역할을 하며 1층 입면을 길게 감싼다. 지중 입면을 덮고 있는 전면 유리 구조는 숲 속의 여러 스포츠 활동들을 조망할 수 있게 해주며, 동시에 내부 홀 공간과 외부 공간을 분리한다.

글: 필리프 바르테레미 & 실베리 그레노 아키텍츠



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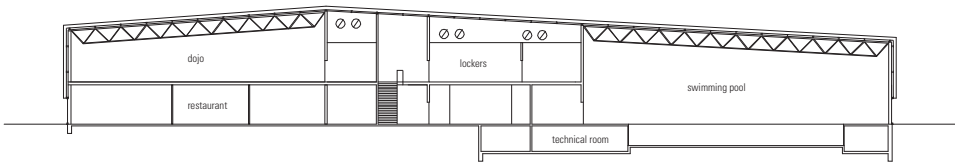
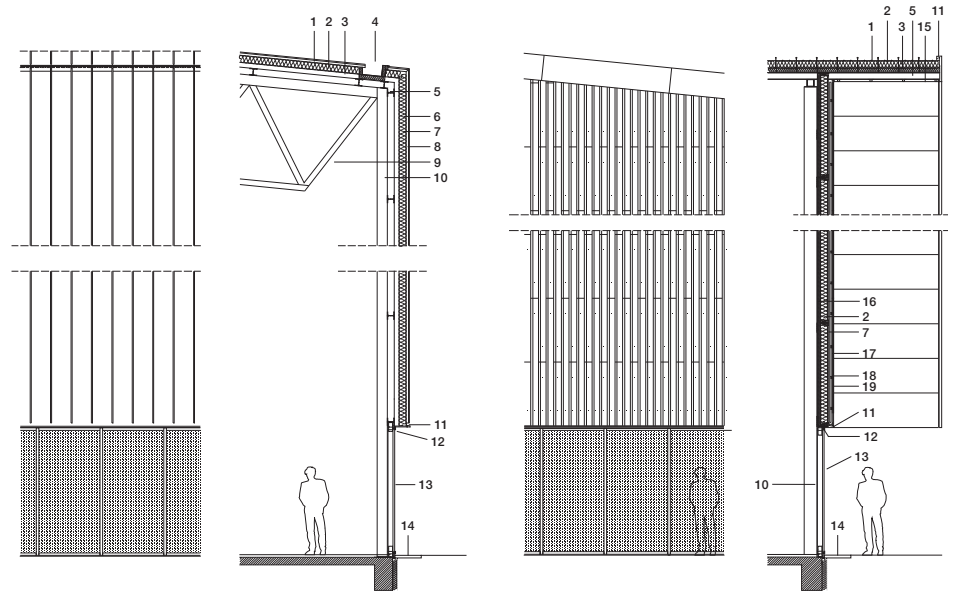


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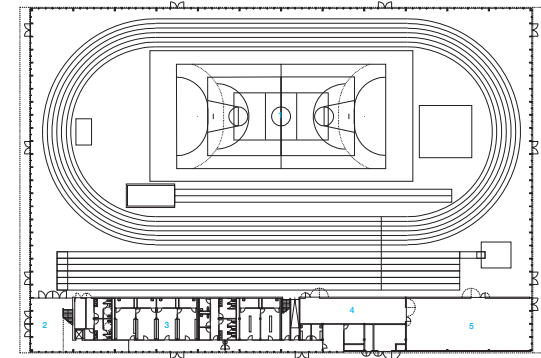
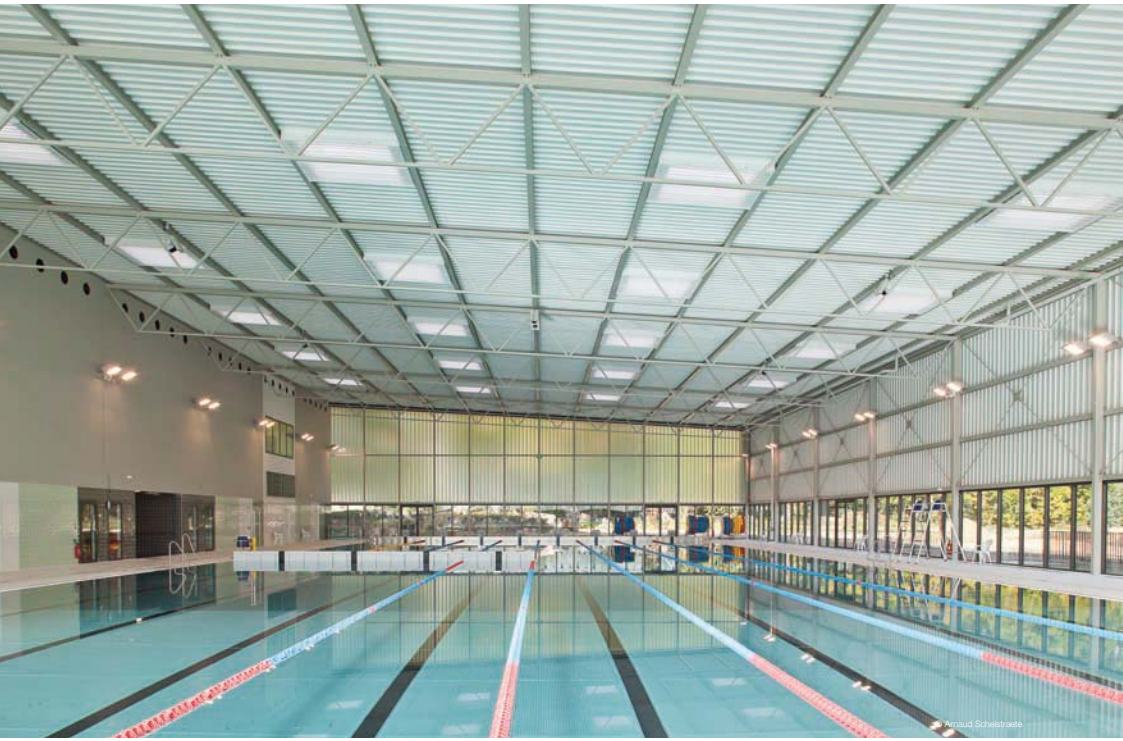
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|--|---|---------------------------------|---------------------------------|
| 1 NATURAL ALUMINUM COVER | 6 TRAPEZOIDAL-SECTION SHEETING + PERFORATED SOUND-ABSORBENT BOARDING + INSULATION | 10 STEEL COLUMN | 16 WOODBOARD DUBBING |
| 2 INSULATION | 7 RAINDSCREEN | 11 ALUMINUM FOLDED SHEET | 17 WATERPROOF WOODBOARD SUPPORT |
| 3 TRAPEZOIDAL-SECTION SHEETING + PERFORATED SOUND-ABSORBENT BOARDING | 8 ALUMINUM CLADDING | 12 COATED ALUMINUM CURTAIN WALL | 18 WOOD FRAME FACADE |
| 4 ALUMINUM GUTTERS | 9 STEEL FRAME | 13 DOUBLE GLAZING | 19 DOUGLAS FIR CLADDING |
| 5 STEEL HEA BEAM | | 14 PREFABRICATED CONCRETE SLAB | |
| | | 15 ALUMINUM CEILING | |



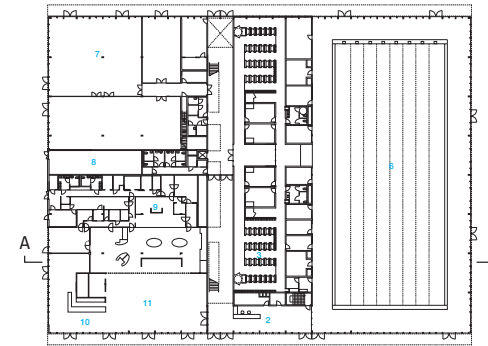
SWIMMING HALL SECTION A

FACADE SECTION DETAIL



ATHLETIC HALL PLAN

- 1 MULTIPURPOSE TRAY & BALL GAMES FIELD
- 2 ENTRANCE
- 3 LOCKERS
- 4 STORAGE
- 5 GYM HALL
- 6 SWIMMING POOL 50M
- 7 FITNESS ROOM
- 8 TECHNICAL ROOM
- 9 KITCHEN
- 10 BAR
- 11 RESTAURANT



SWIMMING HALL PLAN



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